

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081618\
 Data File : VD059810.D
 Acq On : 16 Aug 2018 14:56
 Operator : VA/AP
 Sample : VD0816SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Quant Time: Aug 17 01:09:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	250396	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.66	114	333325	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	270103	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	154737	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	176607	54.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.78%	
35) Dibromofluoromethane	5.52	113	158032	54.40	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.80%	
50) Toluene-d8	8.69	98	339709	49.38	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.92	95	154835	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.32	85	49223	16.132	ug/l	97
3) Chloromethane	1.46	50	29665	17.710	ug/l	92
4) Vinyl Chloride	1.54	62	31995	18.032	ug/l	97
5) Bromomethane	1.76	94	6519	11.540	ug/l	95
6) Chloroethane	1.85	64	8246	11.143	ug/l	92
7) Trichlorofluoromethane	2.06	101	43953	15.775	ug/l	97
8) Diethyl Ether	2.32	74	10013	18.678	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.52	101	26264	16.808	ug/l	87
10) Methyl Iodide	2.67	142	24891	15.394	ug/l	95
11) Tert butyl alcohol	3.24	59	13219	116.133	ug/l	96
12) 1,1-Dichloroethene	2.52	96	20241	17.916	ug/l	80
13) Acrolein	2.44	56	7646	86.648	ug/l #	81
14) Allyl chloride	2.88	41	50446	17.770	ug/l	94
15) Acrylonitrile	3.33	53	30969	77.659	ug/l	96
16) Acetone	2.59	43	54702	107.740	ug/l	95
17) Carbon Disulfide	2.73	76	64092	16.929	ug/l	98
18) Methyl Acetate	2.91	43	20134	18.555	ug/l	97
19) Methyl tert-butyl Ether	3.37	73	81861	14.845	ug/l	100
20) Methylene Chloride	3.04	84	29020	19.187	ug/l	99
21) trans-1,2-Dichloroethene	3.35	96	24213	10.876	ug/l	91
22) Diisopropyl ether	4.03	45	138625	18.101	ug/l	95
23) Vinyl Acetate	3.99	43	445395	102.690	ug/l	96
24) 1,1-Dichloroethane	3.94	63	82181	18.088	ug/l	98
25) 2-Butanone	4.81	43	70565	90.808	ug/l	95
26) 2,2-Dichloropropane	4.76	77	81254	19.558	ug/l	98
27) cis-1,2-Dichloroethene	4.76	96	46833	19.201	ug/l	94
28) Bromochloromethane	5.12	49	36263	20.341	ug/l	97
29) Tetrahydrofuran	5.16	42	32818	98.986	ug/l	99
30) Chloroform	5.29	83	99482	18.235	ug/l	99
31) Cyclohexane	5.56	56	56319	17.235	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	89582	18.676	ug/l	96
36) 1,1-Dichloropropene	5.72	75	61344	17.938	ug/l	98
37) Ethyl Acetate	4.90	43	35691	20.866	ug/l #	97
38) Carbon Tetrachloride	5.70	117	78309	18.980	ug/l	97

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 Data File : VD059810.D
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 Operator : VA/AP
 Sample : VD0816SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
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Quant Time: Aug 17 01:09:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	51319	17.347	ug/l	98
40) Benzene	5.98	78	125636	17.320	ug/l	99
41) Methacrylonitrile	5.10	41	16779	20.504	ug/l	97
42) 1,2-Dichloroethane	6.10	62	77655	19.781	ug/l	97
43) Isopropyl Acetate	7.59	43	42426	19.642	ug/l	99
44) Trichloroethene	6.96	130	43842	17.650	ug/l	91
45) 1,2-Dichloropropane	7.32	63	35820	18.998	ug/l	96
46) Dibromomethane	7.44	93	29421	19.079	ug/l	93
47) Bromodichloromethane	7.71	83	68159	18.039	ug/l	98
48) Methyl methacrylate	7.48	41	28461	20.194	ug/l	92
49) 1,4-Dioxane	7.47	88	5200	418.938	ug/l	94
51) 4-Methyl-2-Pentanone	8.58	43	149571	91.609	ug/l	97
52) Toluene	8.78	92	88734	19.095	ug/l	97
53) t-1,3-Dichloropropene	9.17	75	62918	20.085	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	65366	19.308	ug/l	95
55) 1,1,2-Trichloroethane	9.43	97	32278	18.814	ug/l	93
56) Ethyl methacrylate	9.30	69	38212	20.567	ug/l	98
57) 1,3-Dichloropropane	9.65	76	51803	19.276	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.17	63	98094	106.824	ug/l	98
59) 2-Hexanone	9.77	43	112978	96.500	ug/l	98
60) Dibromochloromethane	9.94	129	48653	19.532	ug/l	100
61) 1,2-Dibromoethane	10.07	107	37798	19.890	ug/l	94
64) Tetrachloroethene	9.49	164	43396	18.655	ug/l	93
65) Chlorobenzene	10.70	112	104313	19.070	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.83	131	46313	21.006	ug/l	95
67) Ethyl Benzene	10.84	91	187465	19.905	ug/l	96
68) m/p-Xylenes	11.00	106	124543	39.015	ug/l	94
69) o-Xylene	11.39	106	60110	19.618	ug/l	84
70) Styrene	11.42	104	103781	19.098	ug/l	98
71) Bromoform	11.59	173	34505	21.530	ug/l	97
73) Isopropylbenzene	11.77	105	181677	18.543	ug/l	99
74) N-amyl acetate	11.64	43	61486	20.467	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.06	83	39292	19.748	ug/l	94
76) 1,2,3-Trichloropropane	12.10	75	44999	20.497	ug/l	100
77) Bromobenzene	12.03	156	54994	19.642	ug/l	96
78) n-propylbenzene	12.14	91	234830	19.214	ug/l	97
79) 2-Chlorotoluene	12.21	91	136293	18.493	ug/l	91
80) 1,3,5-Trimethylbenzene	12.31	105	147652	18.821	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	9887	19.249	ug/l	84
82) 4-Chlorotoluene	12.32	91	158129	18.903	ug/l	99
83) tert-Butylbenzene	12.56	119	167227	19.292	ug/l	98
84) 1,2,4-Trimethylbenzene	12.61	105	155972	18.449	ug/l	98
85) sec-Butylbenzene	12.75	105	188889	18.800	ug/l	96
86) p-Isopropyltoluene	12.88	119	165324	19.665	ug/l	94
87) 1,3-Dichlorobenzene	12.83	146	94166	18.757	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	94909	19.068	ug/l	99
89) n-Butylbenzene	13.18	91	158339	18.628	ug/l	99
90) Hexachloroethane	13.39	117	41064	19.465	ug/l	87
91) 1,2-Dichlorobenzene	13.18	146	80241	19.432	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	6574	18.520	ug/l	98

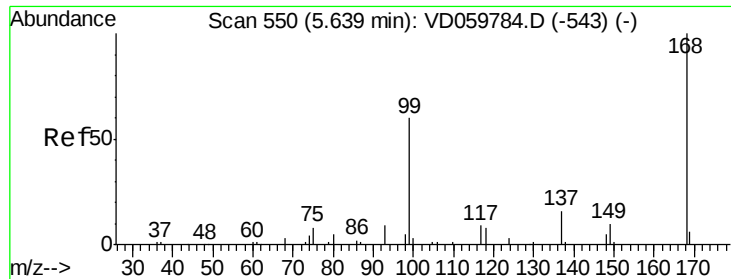
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081618\
Data File : VD059810.D
Acq On : 16 Aug 2018 14:56
Operator : VA/AP
Sample : VD0816SBSD01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VD0816SBSD01

Quant Time: Aug 17 01:09:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	72610	21.030	ug/l	97
94) Hexachlorobutadiene	14.42	225	48139	18.888	ug/l	98
95) Naphthalene	14.50	128	102446	19.380	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	58524	19.209	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

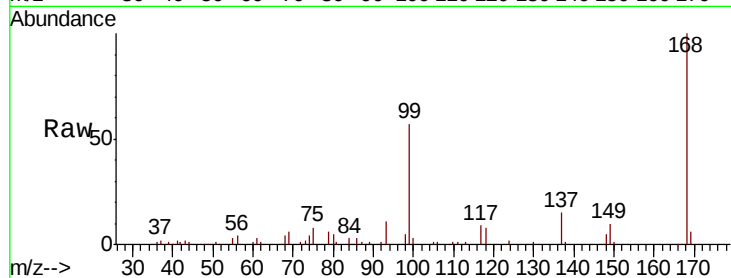
VD0816SBS01

Tgt Ion:168 Resp: 250396

Ion Ratio Lower Upper

168 100

99 57.0 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.62

80000

60000

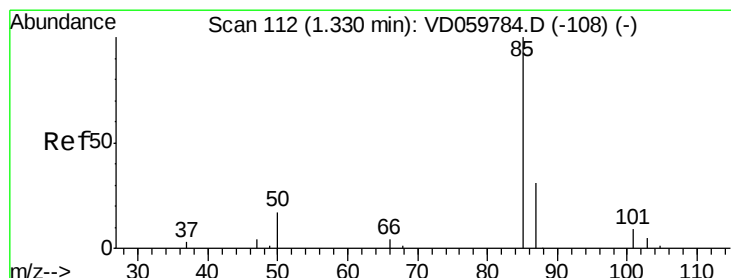
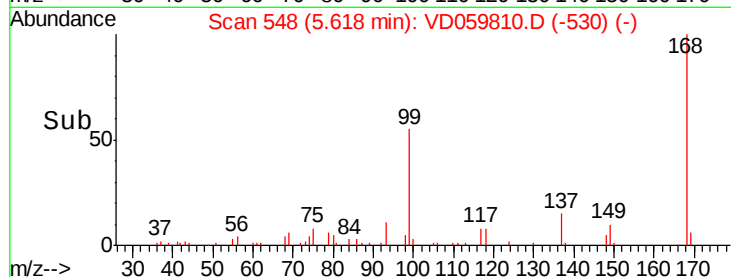
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.132 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.01 min

Lab File: VD059810.D

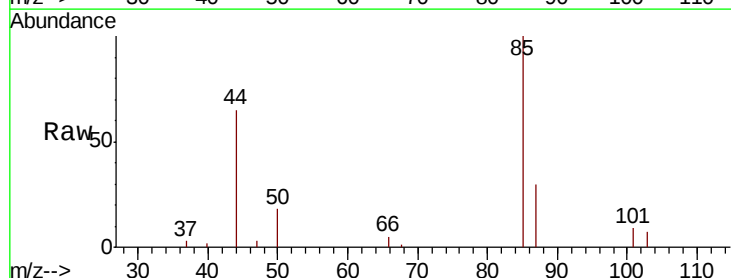
Acq: 16 Aug 2018 14:56

Tgt Ion: 85 Resp: 49223

Ion Ratio Lower Upper

85 100

87 30.0 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.32

30000

25000

20000

15000

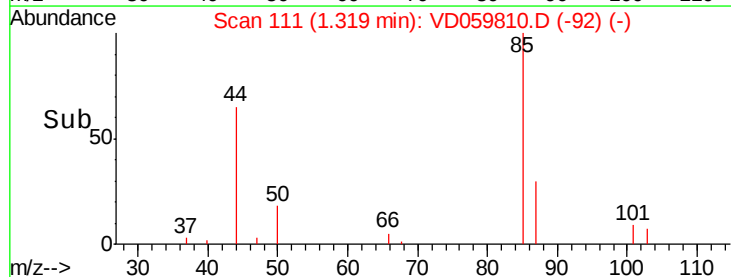
10000

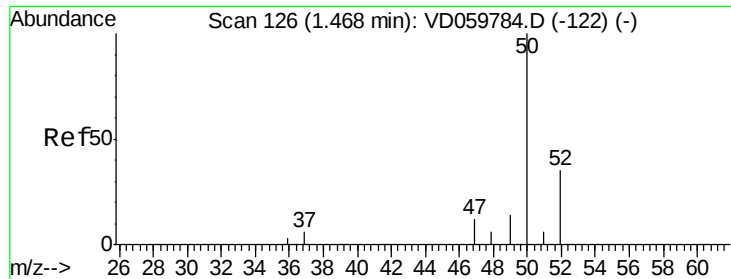
5000

0

1.20 1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 17.710 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.01 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

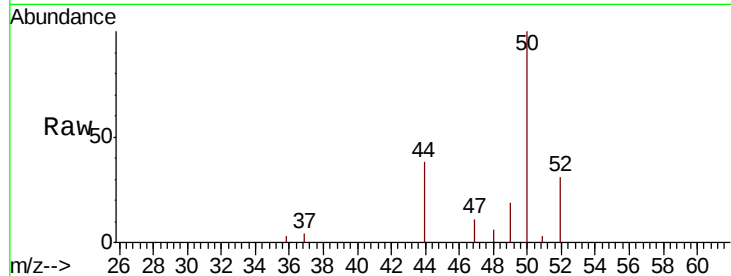
VD0816SBS01

Tgt Ion: 50 Resp: 29665

Ion Ratio Lower Upper

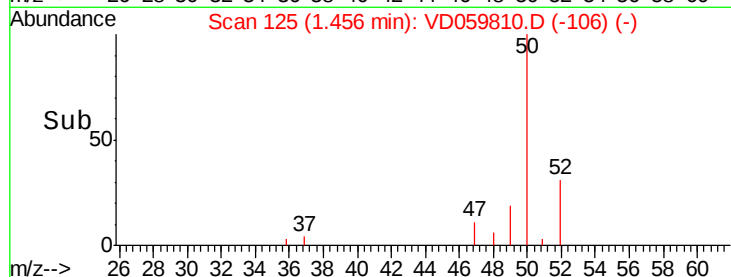
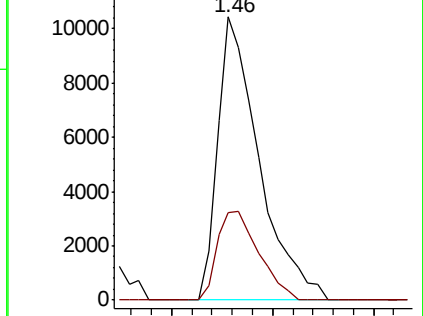
50 100

52 30.9 28.4 42.6

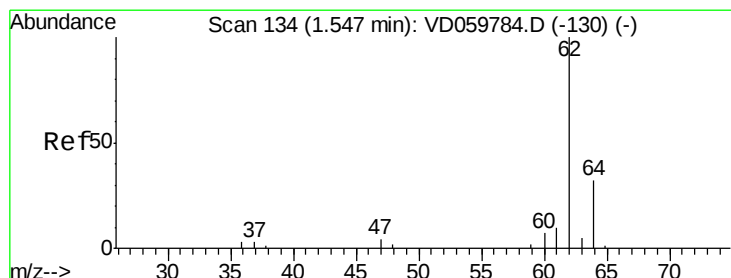


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 18.032 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059810.D

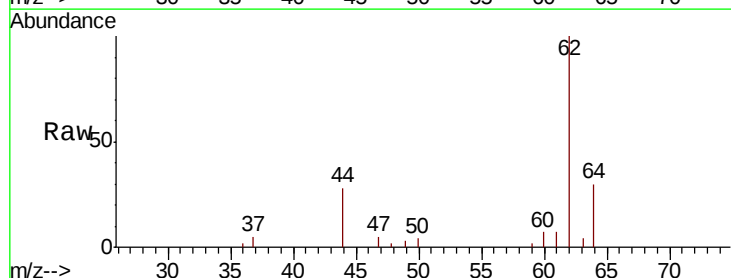
Acq: 16 Aug 2018 14:56

Tgt Ion: 62 Resp: 31995

Ion Ratio Lower Upper

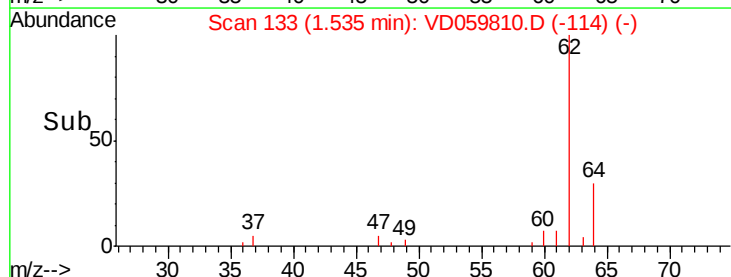
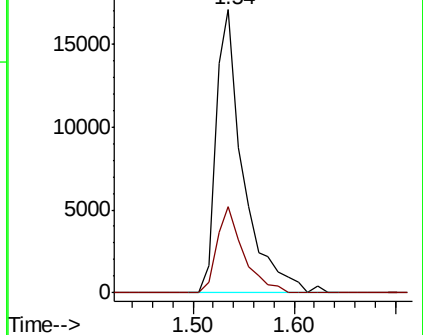
62 100

64 30.3 25.5 38.3

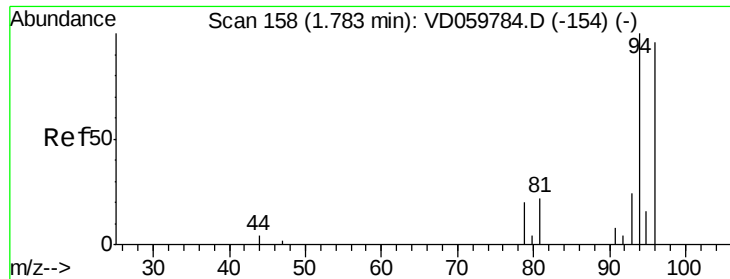


Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->



#5

Bromomethane

Concen: 11.540 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

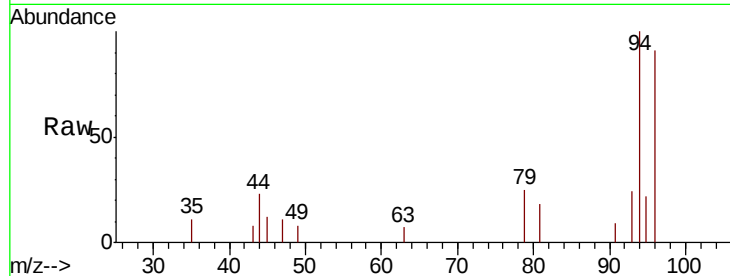
VD0816SBSD01

Tgt Ion: 94 Resp: 6519

Ion Ratio Lower Upper

94 100

96 91.1 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.76

5000

4000

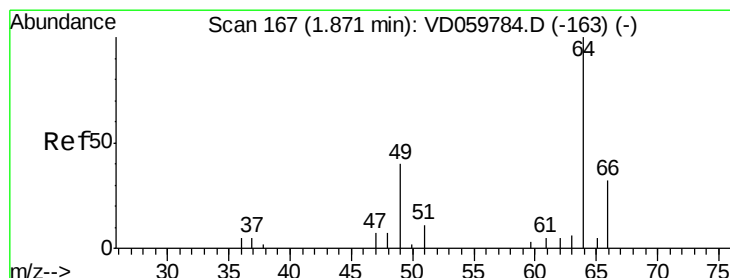
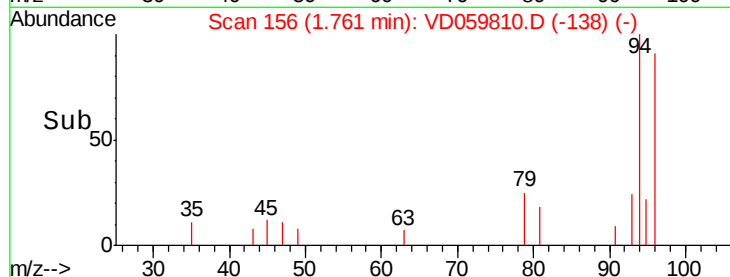
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 11.143 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD059810.D

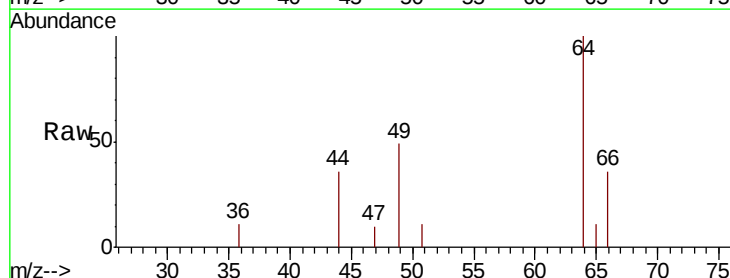
Acq: 16 Aug 2018 14:56

Tgt Ion: 64 Resp: 8246

Ion Ratio Lower Upper

64 100

66 36.4 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.85

4000

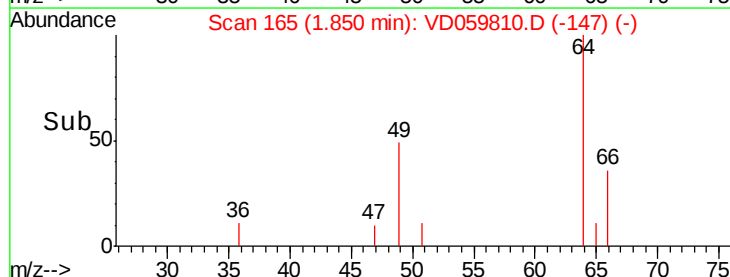
3000

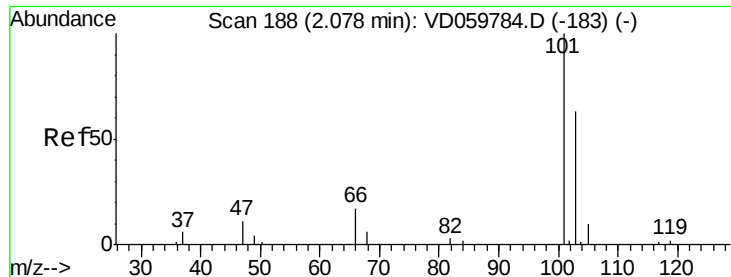
2000

1000

0

Time-->



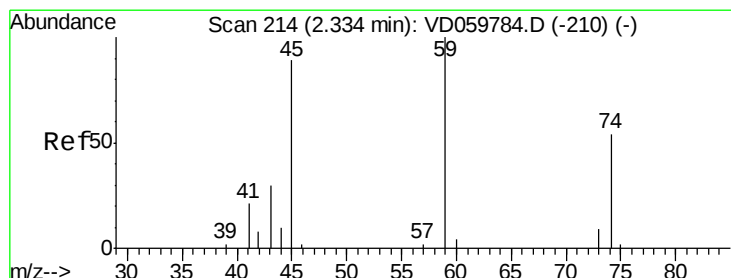
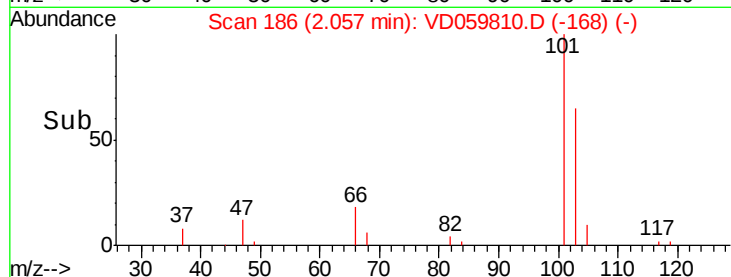
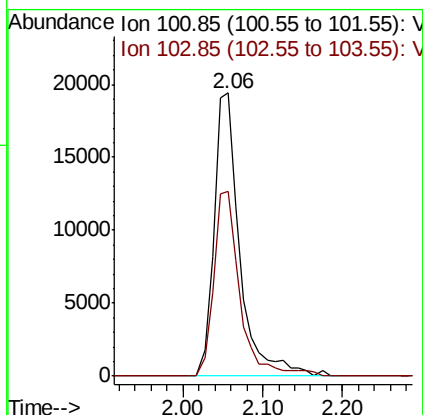
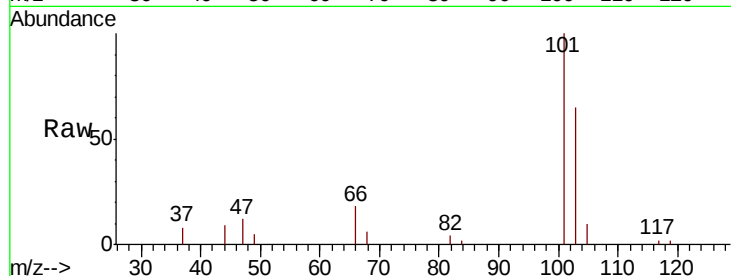


#7

Trichlorofluoromethane
 Concen: 15.775 ug/l
 RT: 2.06 min Scan# 186
 Delta R.T. -0.02 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

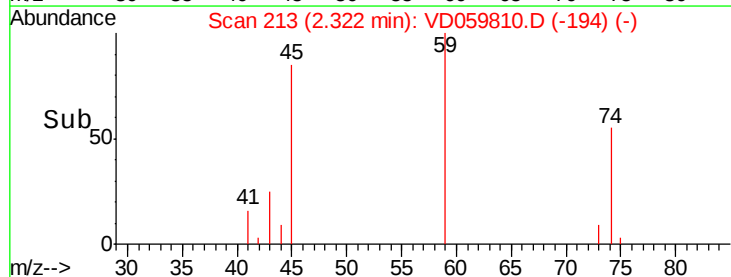
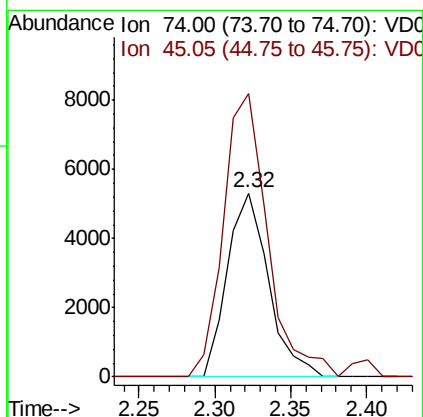
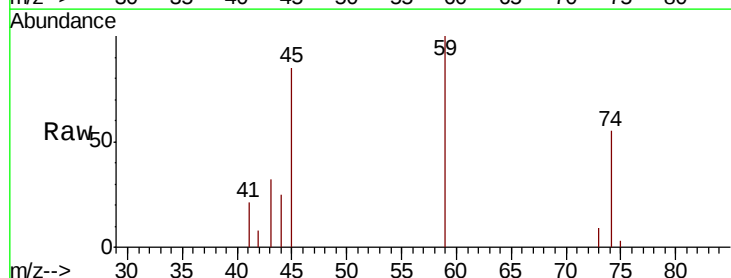
Tgt Ion: 101 Resp: 43953
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.4 75.6

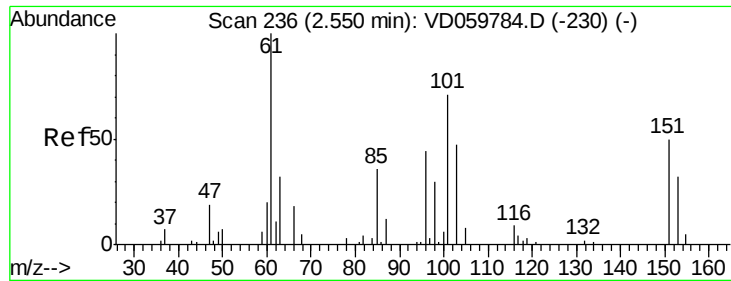


#8

Diethyl Ether
 Concen: 18.678 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion: 74 Resp: 10013
 Ion Ratio Lower Upper
 74 100
 45 154.2 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.808 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.03 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

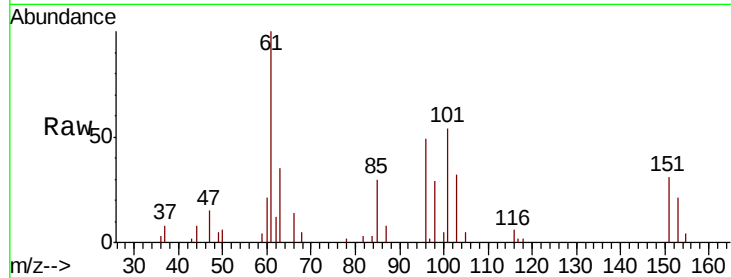
Tgt Ion:101 Resp: 26264

Ion Ratio Lower Upper

101 100

85 55.2 40.6 61.0

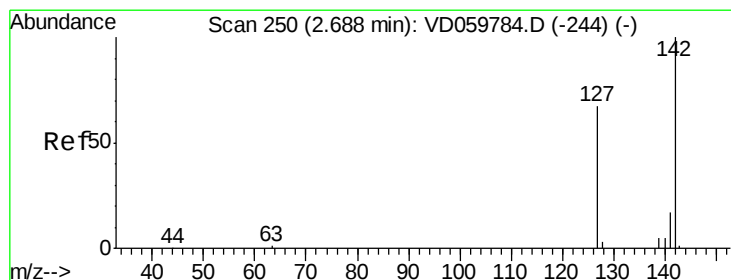
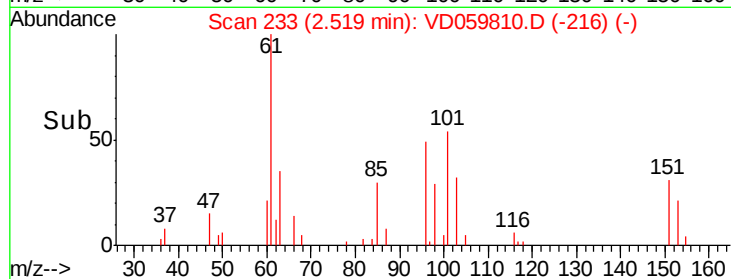
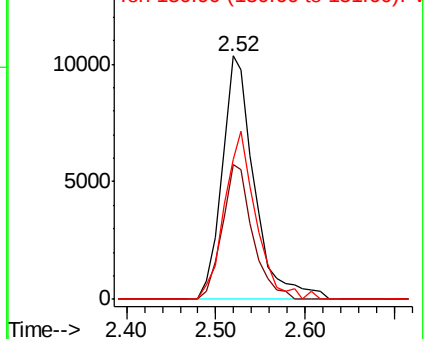
151 57.4 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.394 ug/l

RT: 2.67 min Scan# 248

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

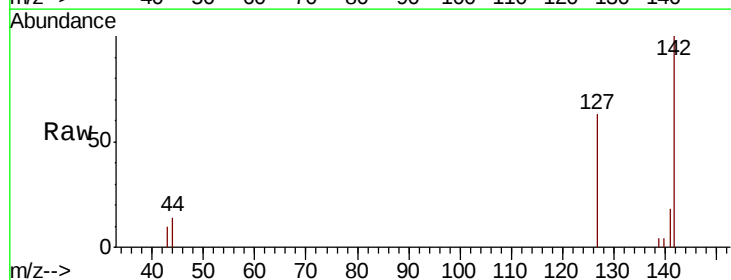
Tgt Ion:142 Resp: 24891

Ion Ratio Lower Upper

142 100

127 62.8 54.0 81.0

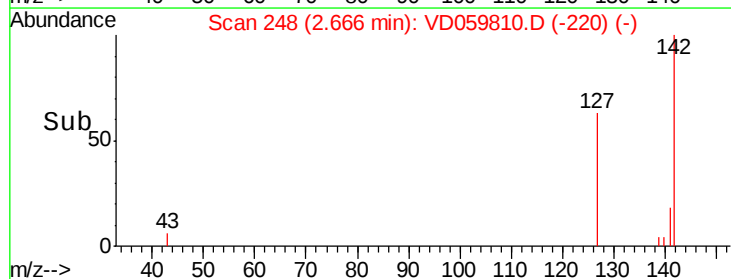
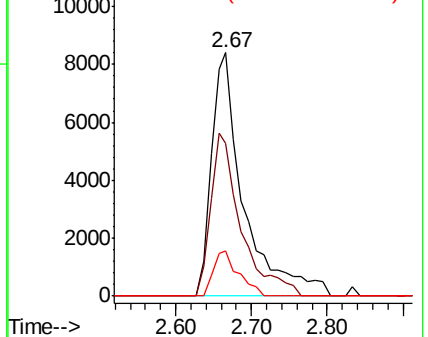
141 18.4 13.3 19.9

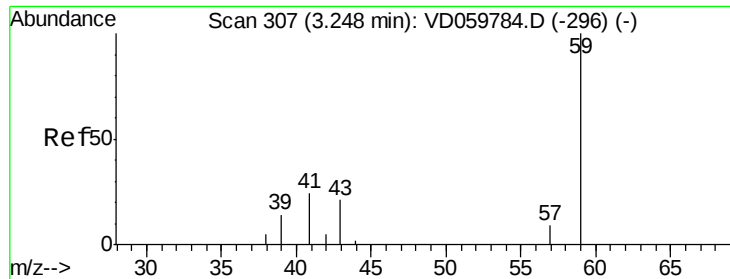


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

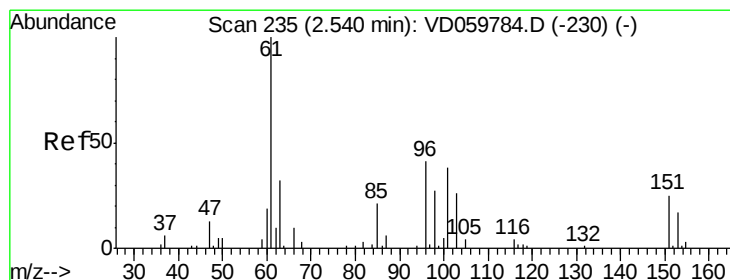
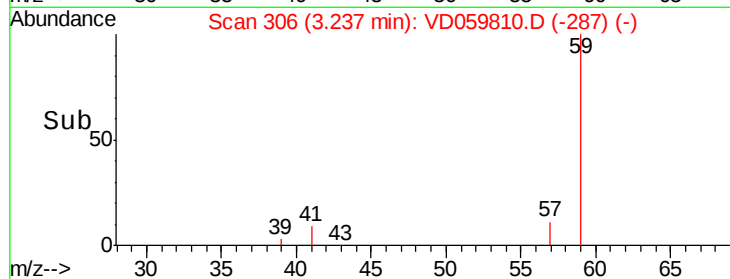
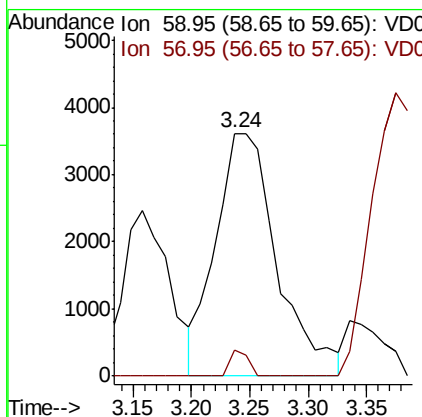
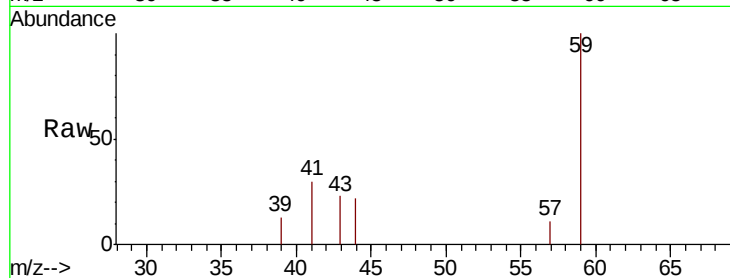




#11
Tert butyl alcohol
Concen: 116.133 ug/l
RT: 3.24 min Scan# 306
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

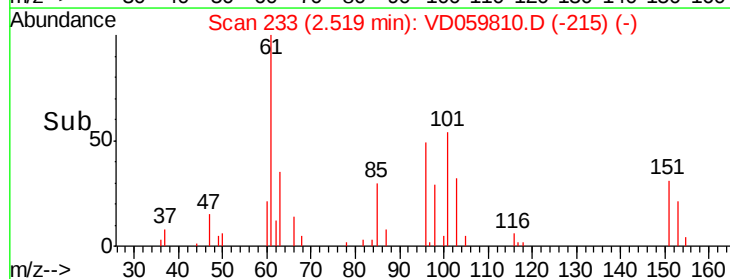
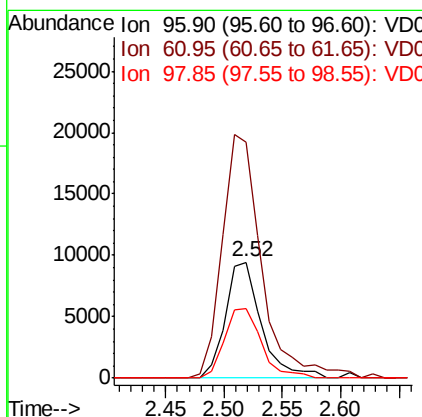
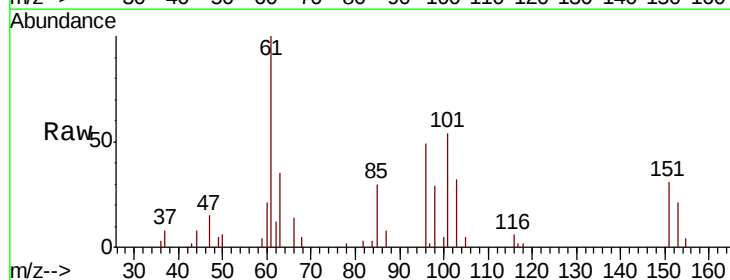
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

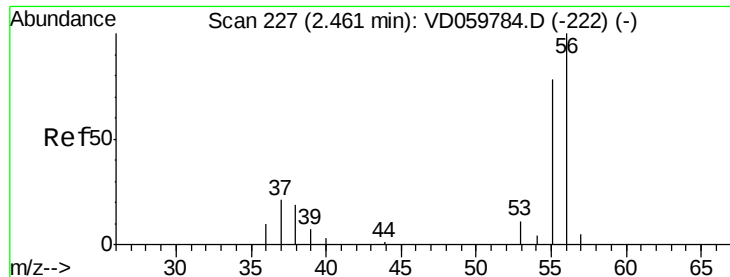
Tgt Ion: 59 Resp: 13219
Ion Ratio Lower Upper
59 100
57 10.9 7.5 11.3



#12
1,1-Dichloroethene
Concen: 17.916 ug/l
RT: 2.52 min Scan# 233
Delta R.T. -0.02 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion: 96 Resp: 20241
Ion Ratio Lower Upper
96 100
61 202.7 194.1 291.1
98 59.4 52.3 78.5





#13

Acrolein

Concen: 86.648 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

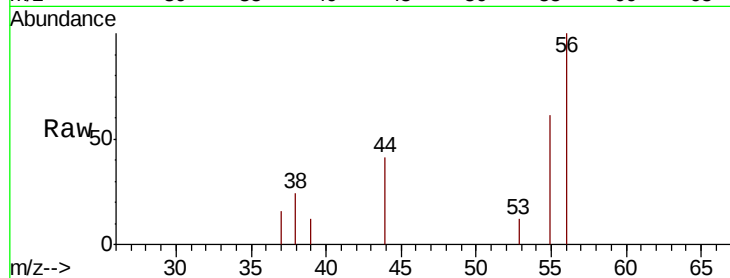
VD0816SBSD01

Tgt Ion: 56 Resp: 7646

Ion Ratio Lower Upper

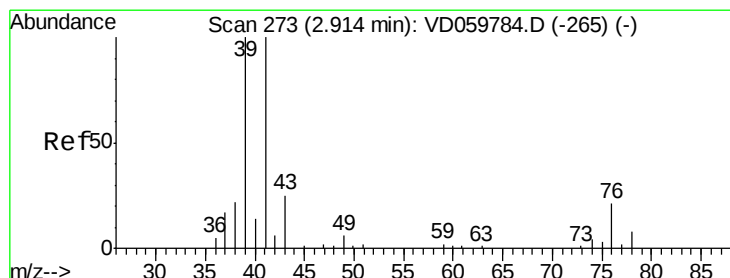
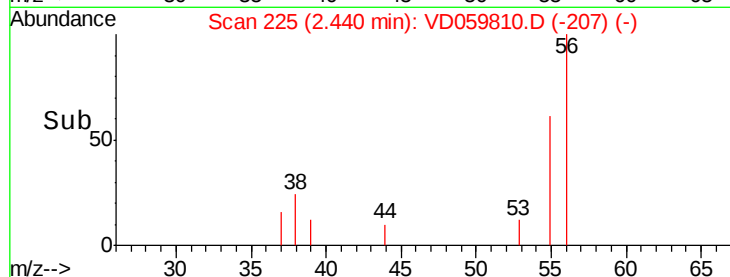
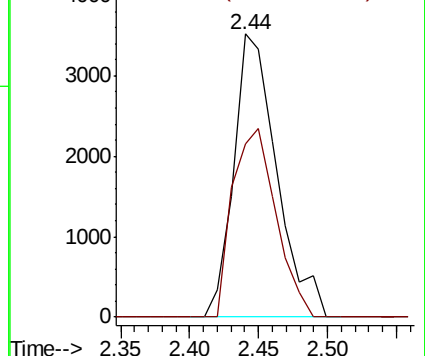
56 100

55 61.0 62.2 93.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.770 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.03 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

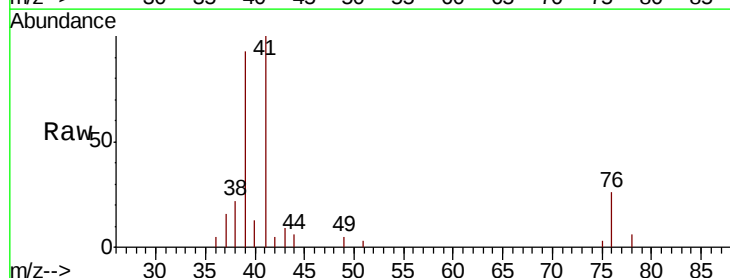
Tgt Ion: 41 Resp: 50446

Ion Ratio Lower Upper

41 100

39 92.7 79.8 119.6

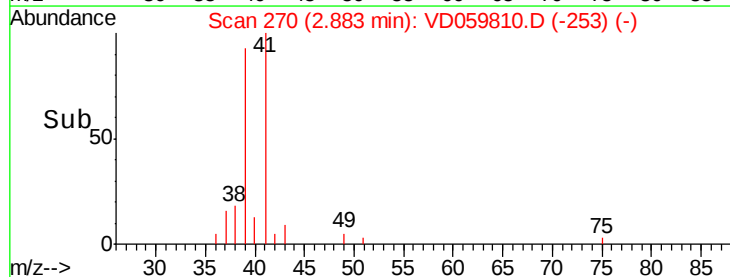
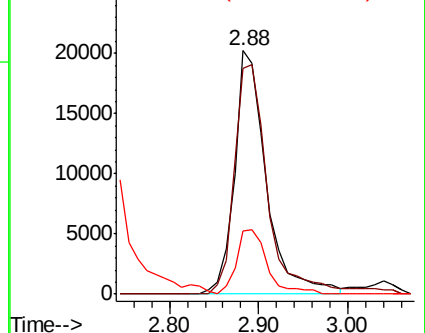
76 25.7 20.4 30.6

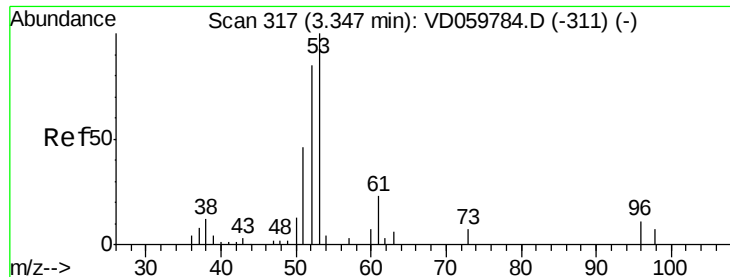


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

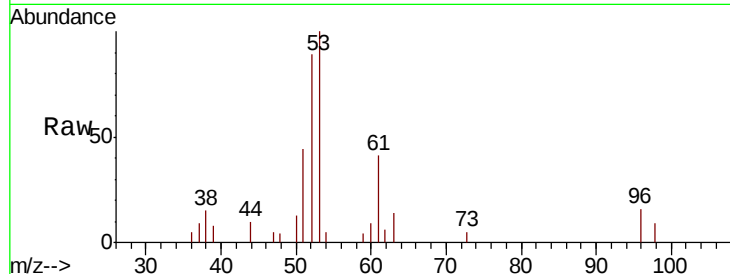




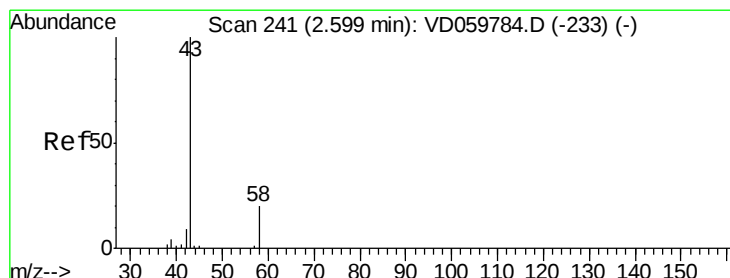
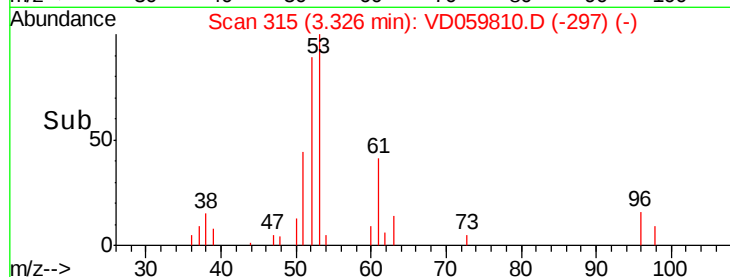
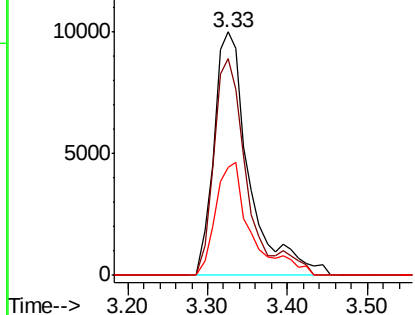
#15
 Acrylonitrile
 Concen: 77.659 ug/l
 RT: 3.33 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

Tgt Ion: 53 Resp: 30969
 Ion Ratio Lower Upper
 53 100
 52 89.2 68.2 102.2
 51 44.1 36.6 54.8

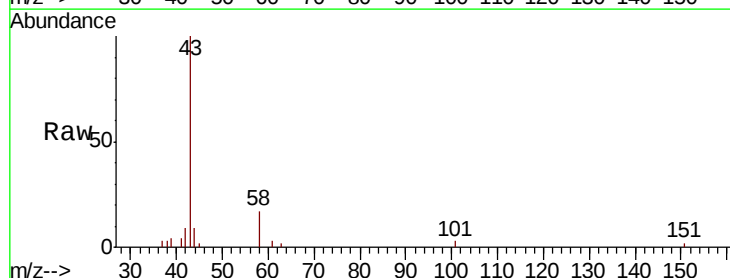


Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

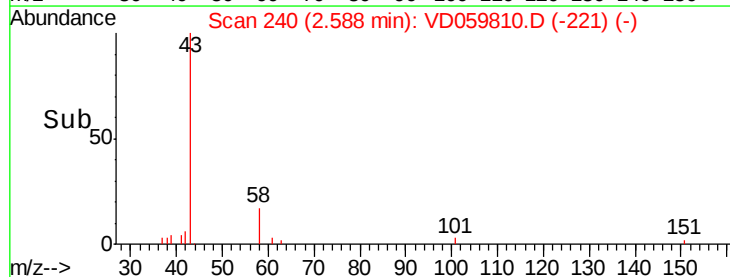
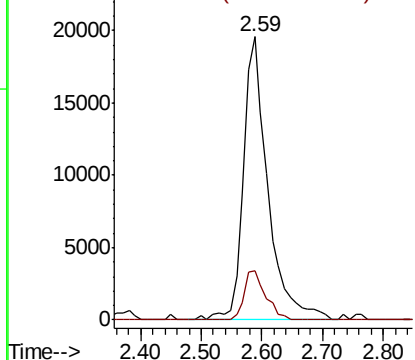


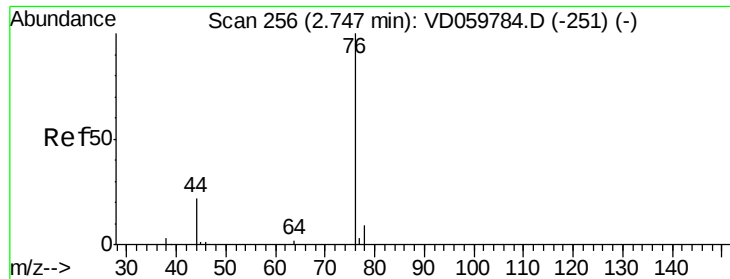
#16
 Acetone
 Concen: 107.740 ug/l
 RT: 2.59 min Scan# 240
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion: 43 Resp: 54702
 Ion Ratio Lower Upper
 43 100
 58 17.2 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

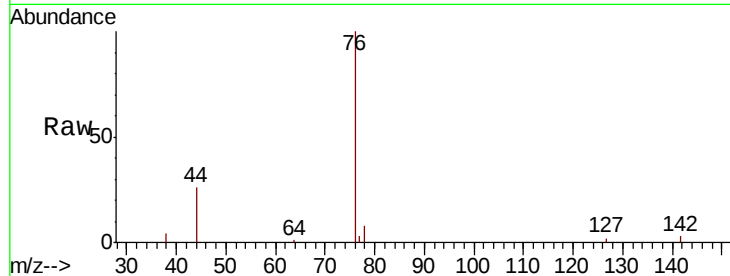




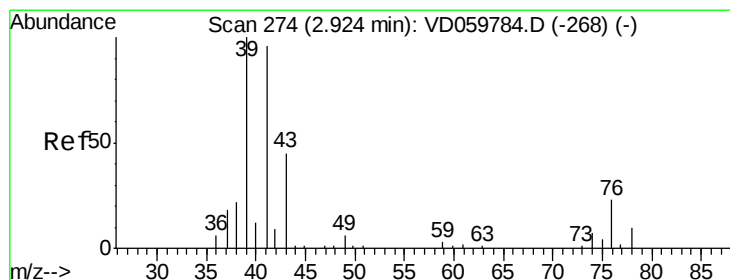
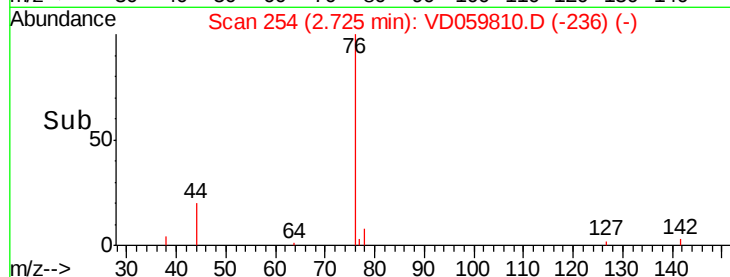
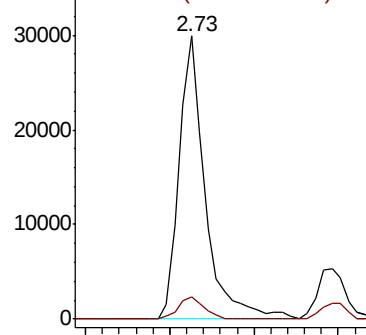
#17
 Carbon Disulfide
 Concen: 16.929 ug/l
 RT: 2.73 min Scan# 254
 Delta R.T. -0.02 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

Tgt Ion: 76 Resp: 64092
 Ion Ratio Lower Upper
 76 100
 78 7.8 6.9 10.3

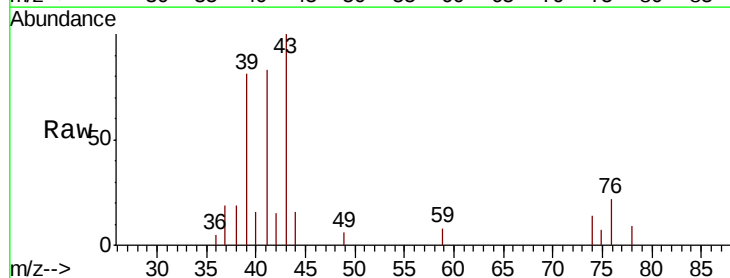


Abundance Ion 75.85 (75.55 to 76.55): VDC
 Ion 77.85 (77.55 to 78.55): VDC

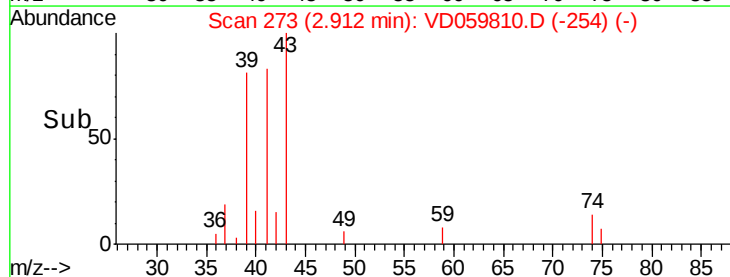
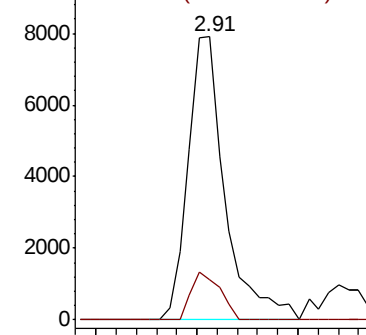


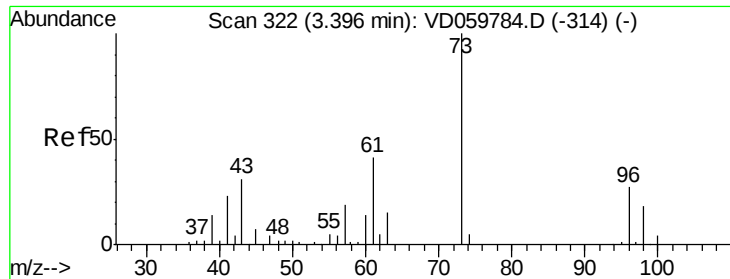
#18
 Methyl Acetate
 Concen: 18.555 ug/l
 RT: 2.91 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion: 43 Resp: 20134
 Ion Ratio Lower Upper
 43 100
 74 14.2 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 74.00 (73.70 to 74.70): VDC



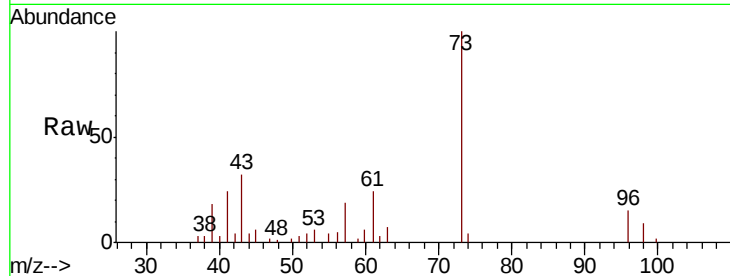


#19

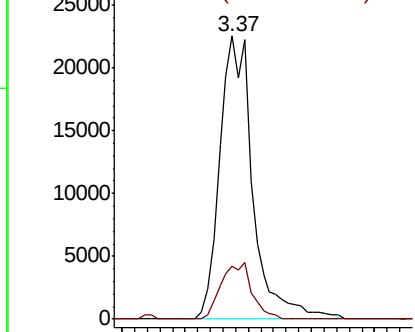
Methyl tert-butyl Ether
 Concen: 14.845 ug/l
 RT: 3.37 min Scan# 320
 Delta R.T. -0.02 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

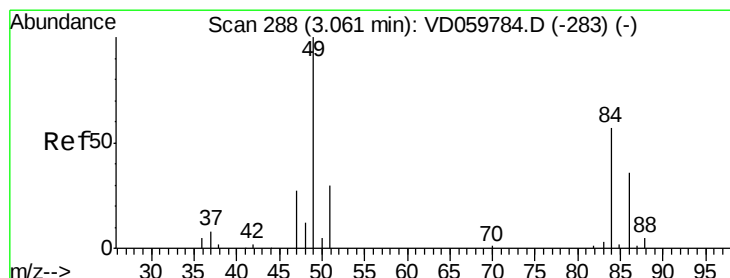
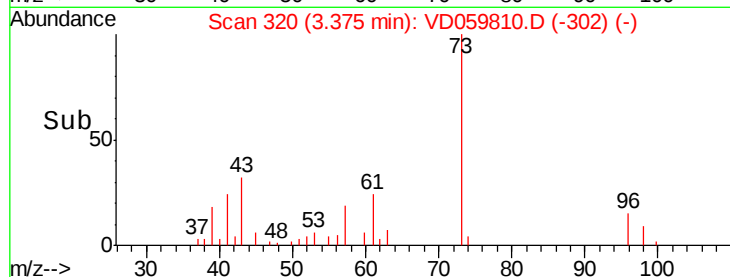
Tgt Ion: 73 Resp: 81861
 Ion Ratio Lower Upper
 73 100
 57 18.7 14.8 22.2



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



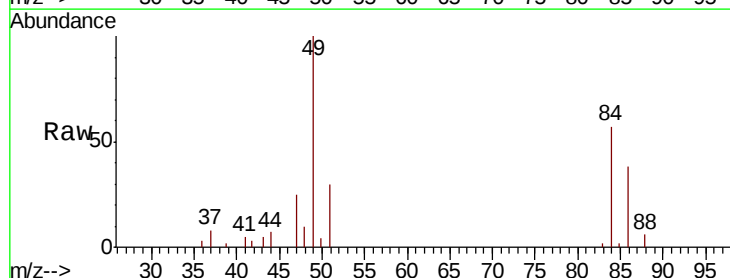
Time-->



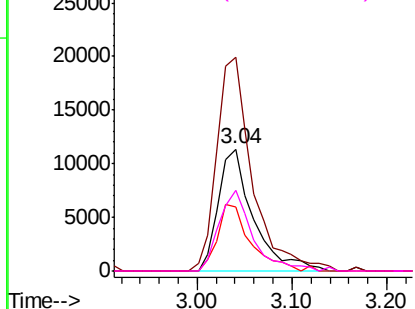
#20

Methylene Chloride
 Concen: 19.187 ug/l
 RT: 3.04 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

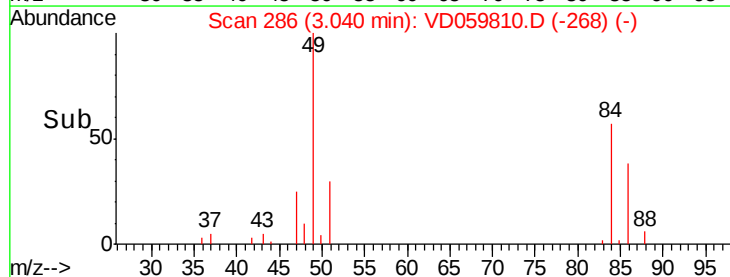
Tgt Ion: 84 Resp: 29020
 Ion Ratio Lower Upper
 84 100
 49 175.0 140.9 211.3
 51 52.2 42.8 64.2
 86 66.2 51.3 76.9

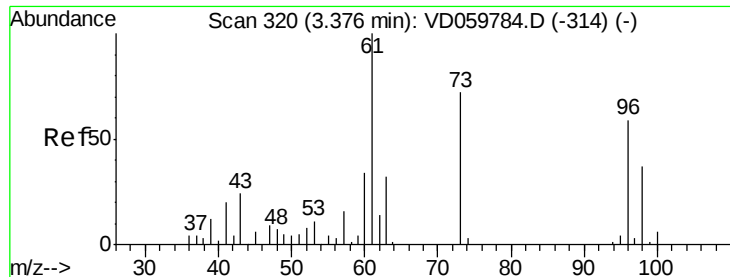


Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC



Time-->





#21

trans-1,2-Dichloroethene

Concen: 10.876 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.03 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

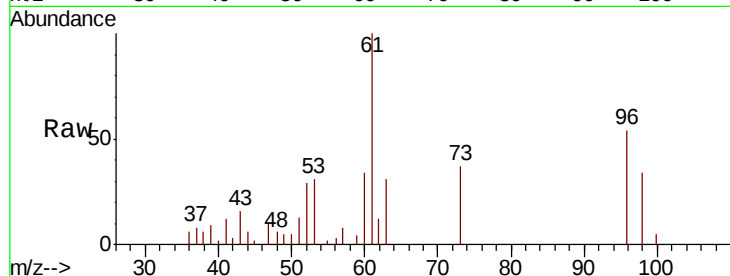
Tgt Ion: 96 Resp: 24213

Ion Ratio Lower Upper

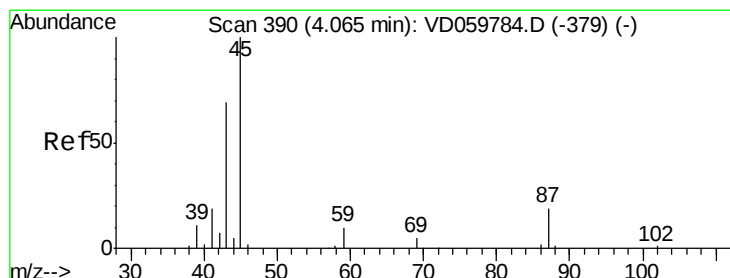
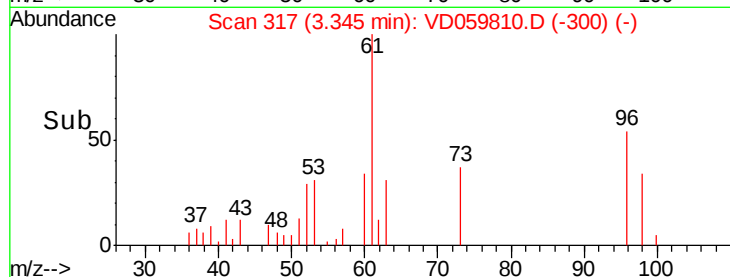
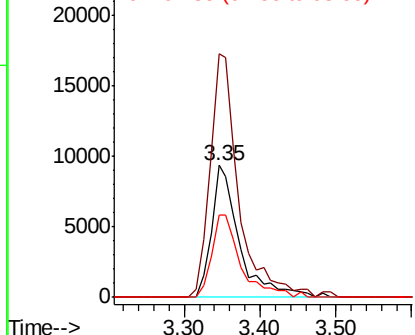
96 100

61 184.3 134.8 202.2

98 62.2 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 18.101 ug/l

RT: 4.03 min Scan# 387

Delta R.T. -0.03 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Tgt Ion: 45 Resp: 138625

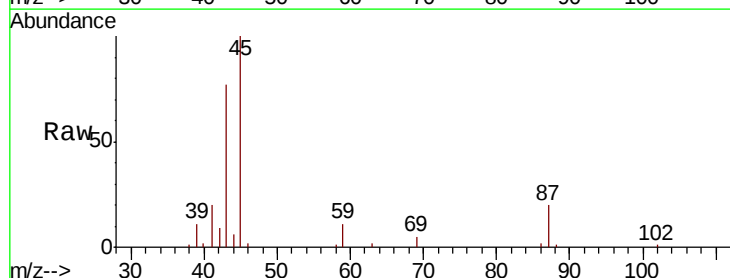
Ion Ratio Lower Upper

45 100

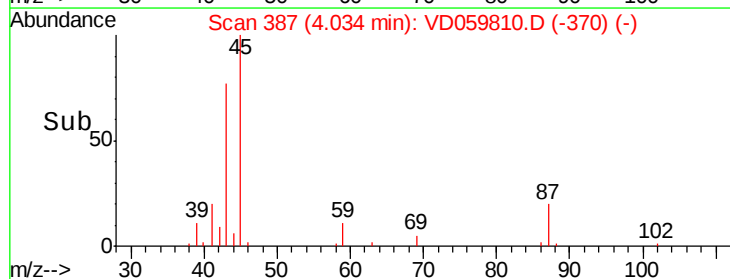
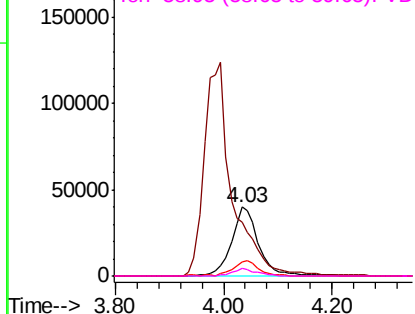
43 77.4 57.5 86.3

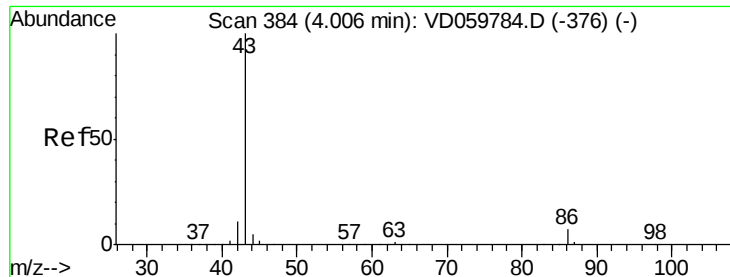
87 19.9 16.1 24.1

59 10.5 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 102.690 ug/l

RT: 3.99 min Scan# 383

Delta R.T. -0.01 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

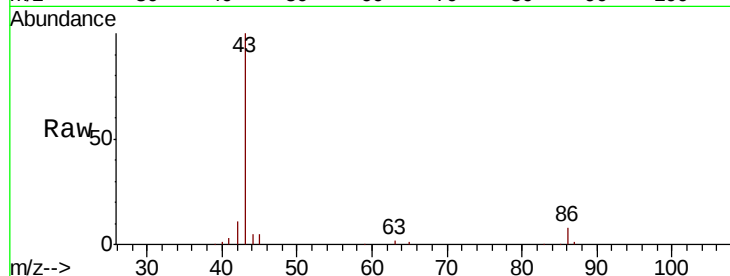
VD0816SBSD01

Tgt Ion: 43 Resp: 445395

Ion Ratio Lower Upper

43 100

86 7.9 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

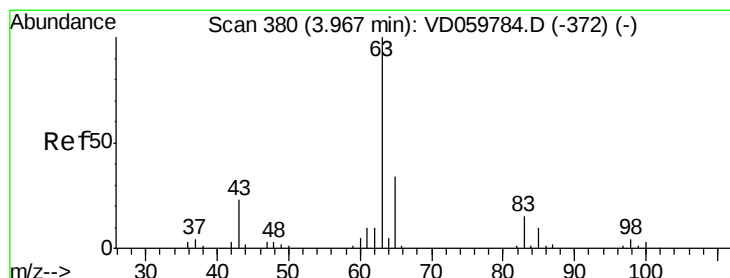
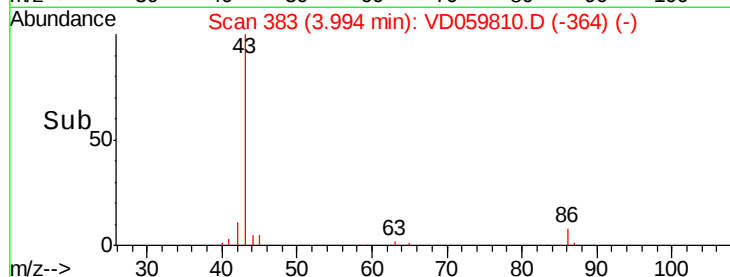
3.99

100000

50000

0

Time--> 3.80 3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 18.088 ug/l

RT: 3.94 min Scan# 377

Delta R.T. -0.03 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

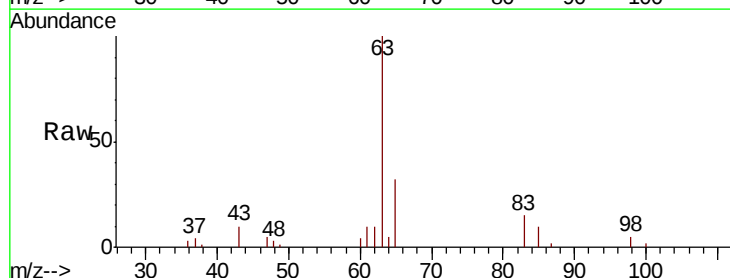
Tgt Ion: 63 Resp: 82181

Ion Ratio Lower Upper

63 100

98 4.7 2.2 6.6

100 2.2 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

3.94

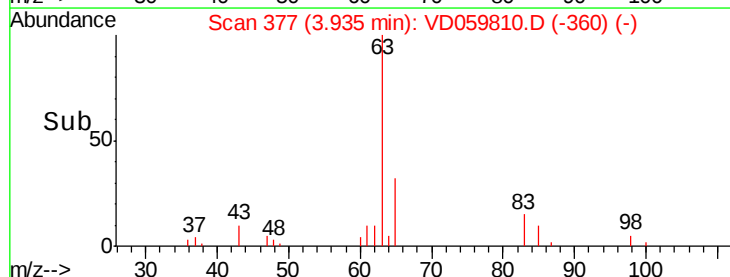
30000

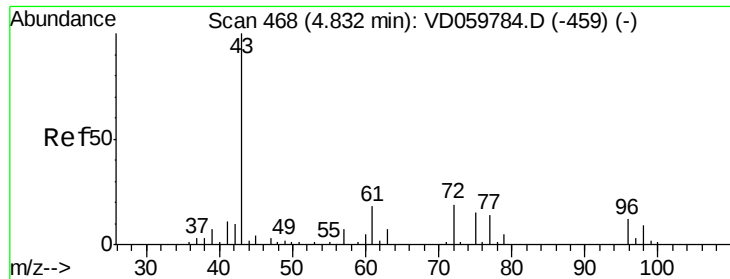
20000

10000

0

Time--> 3.80 3.90 4.00 4.10





#25

2-Butanone

Concen: 90.808 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

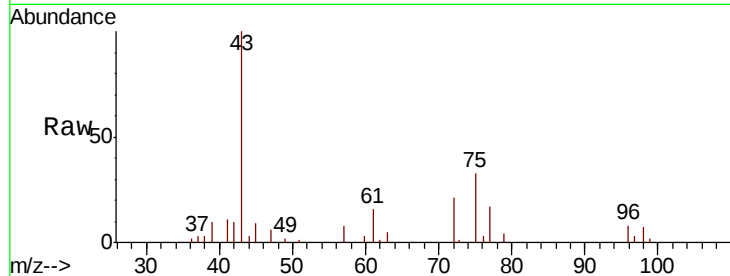
VD0816SBSD01

Tgt Ion: 43 Resp: 70565

Ion Ratio Lower Upper

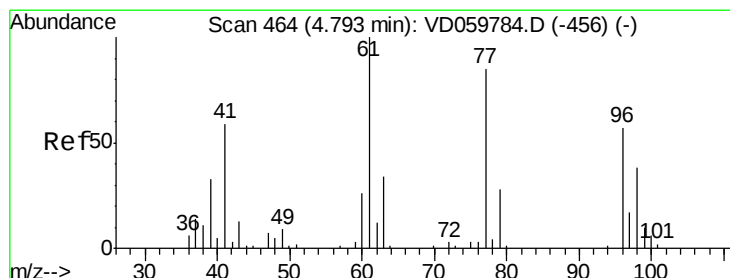
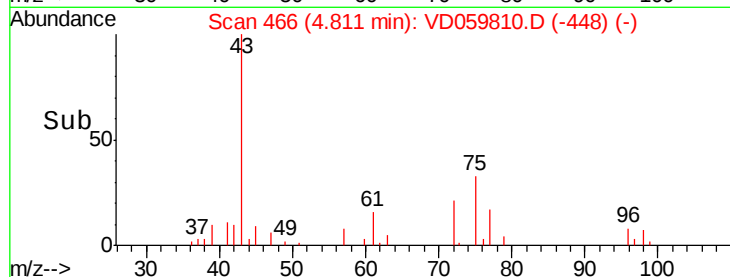
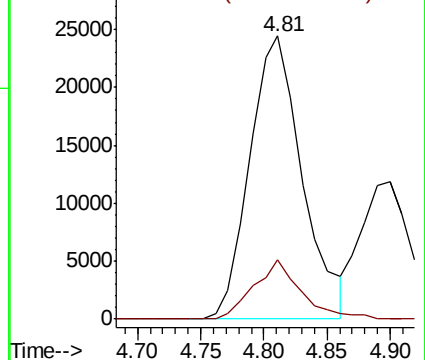
43 100

72 20.8 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.558 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.03 min

Lab File: VD059810.D

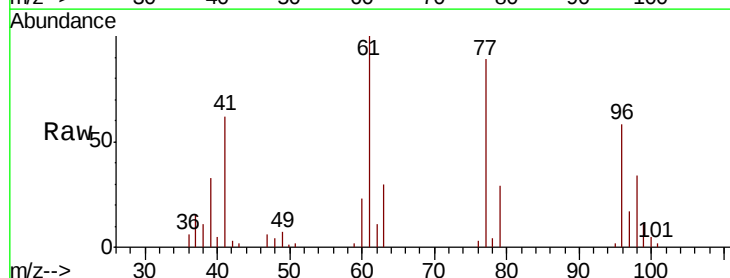
Acq: 16 Aug 2018 14:56

Tgt Ion: 77 Resp: 81254

Ion Ratio Lower Upper

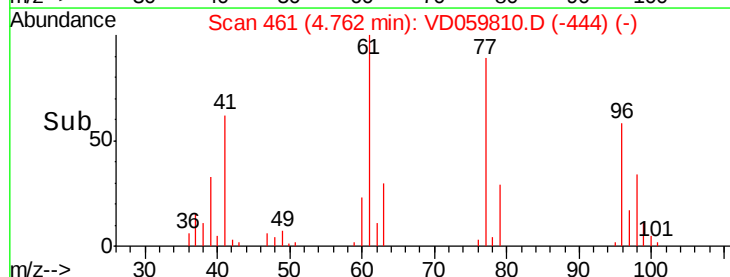
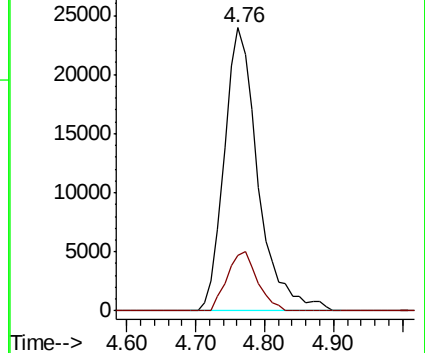
77 100

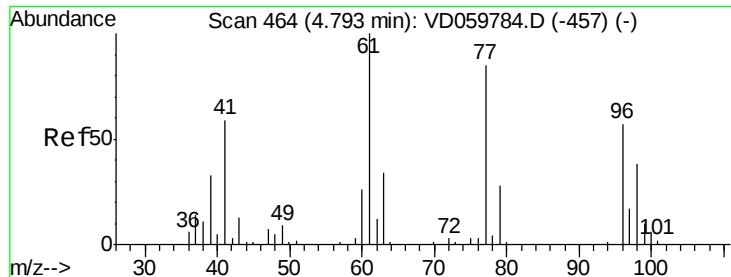
97 19.7 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



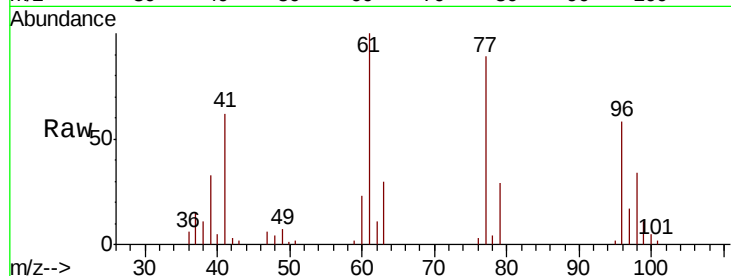


#27

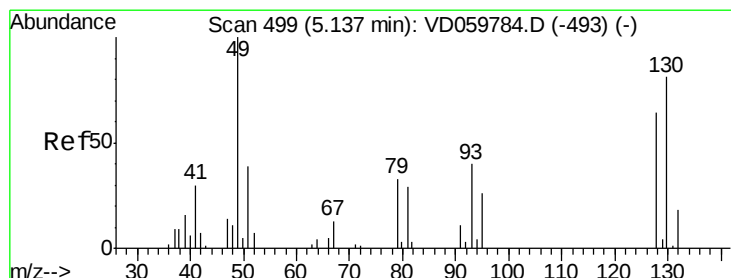
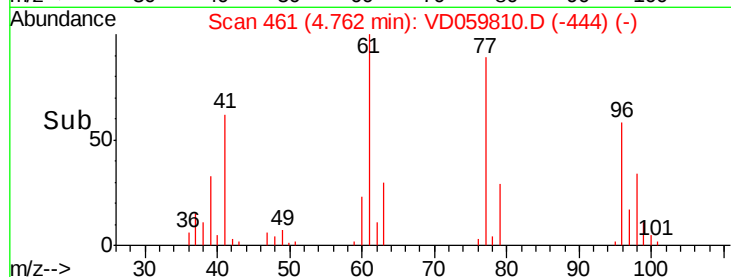
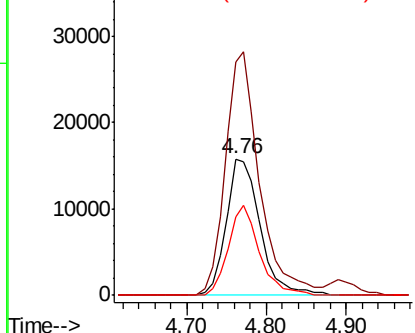
cis-1,2-Dichloroethene
Concen: 19.201 ug/l
RT: 4.76 min Scan# 461
Delta R.T. -0.03 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

Tgt Ion: 96 Resp: 46833
Ion Ratio Lower Upper
96 100
61 171.0 0.0 351.6
98 57.4 0.0 135.2



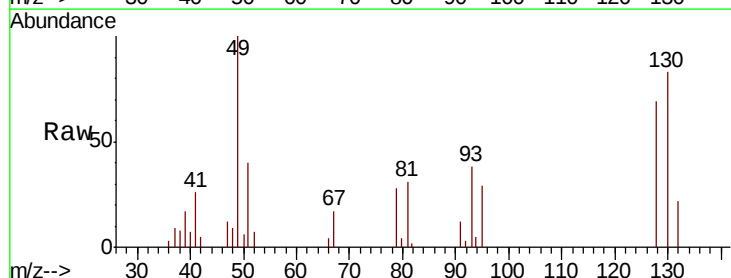
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



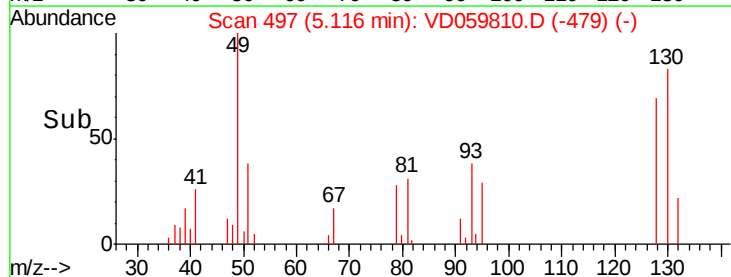
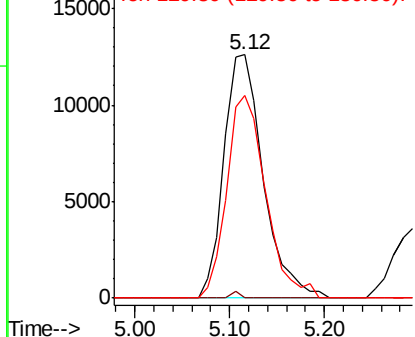
#28

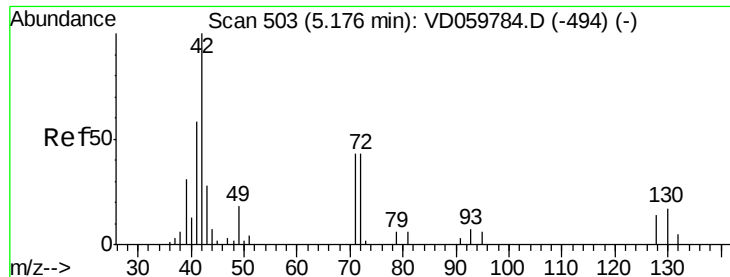
Bromochloromethane
Concen: 20.341 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.02 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion: 49 Resp: 36263
Ion Ratio Lower Upper
49 100
129 0.0 0.0 7.0
130 83.3 64.8 97.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.986 ug/l

RT: 5.16 min Scan# 501

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

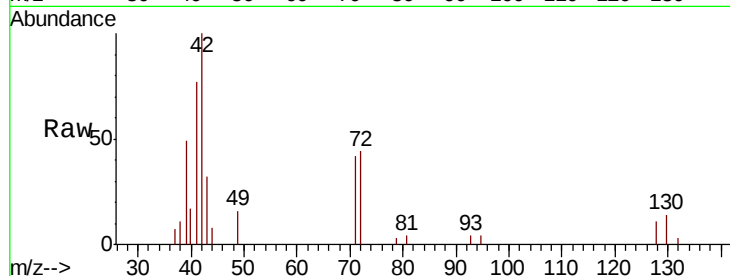
Tgt Ion: 42 Resp: 32818

Ion Ratio Lower Upper

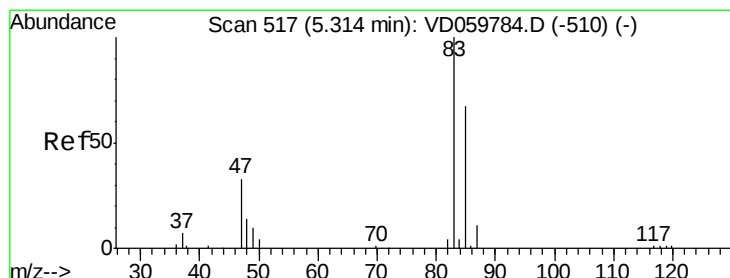
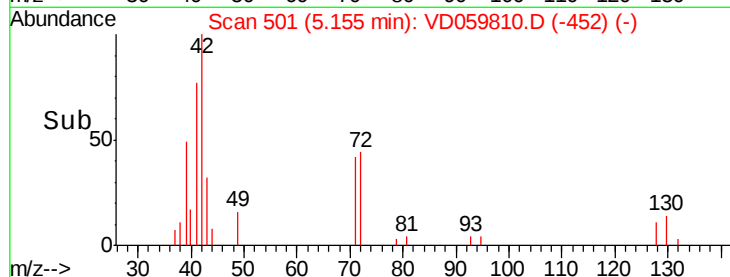
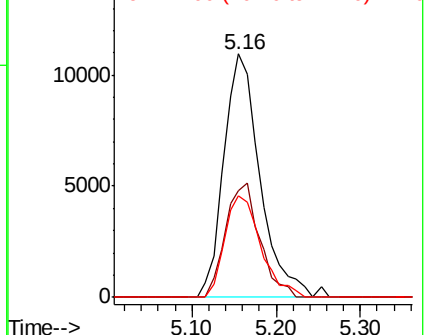
42 100

72 43.9 34.3 51.5

71 41.4 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 18.235 ug/l

RT: 5.29 min Scan# 515

Delta R.T. -0.02 min

Lab File: VD059810.D

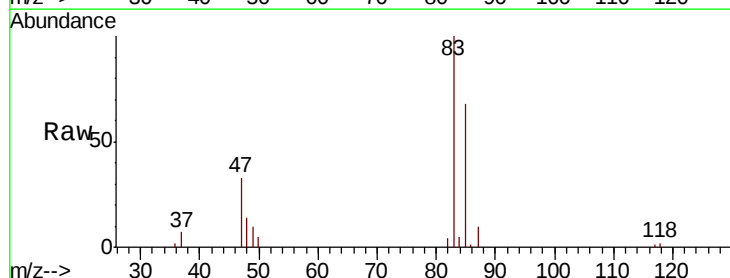
Acq: 16 Aug 2018 14:56

Tgt Ion: 83 Resp: 99482

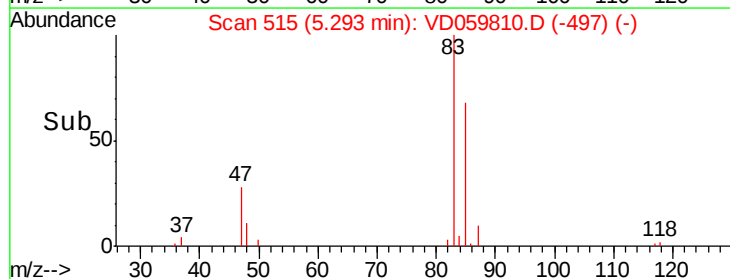
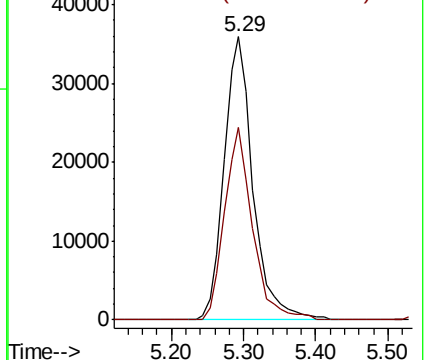
Ion Ratio Lower Upper

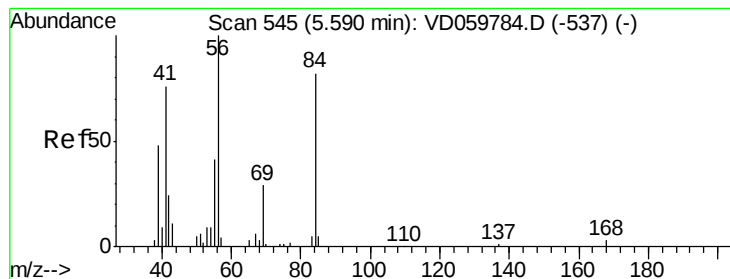
83 100

85 67.9 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 17.235 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.03 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

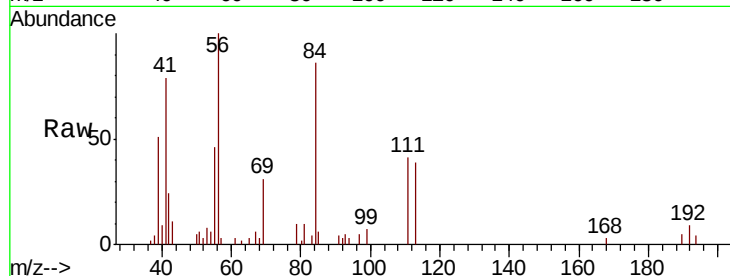
Tgt Ion: 56 Resp: 56319

Ion Ratio Lower Upper

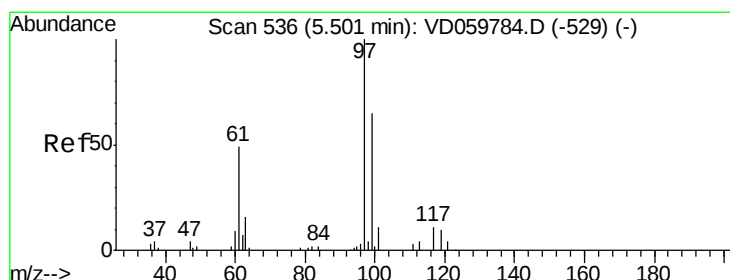
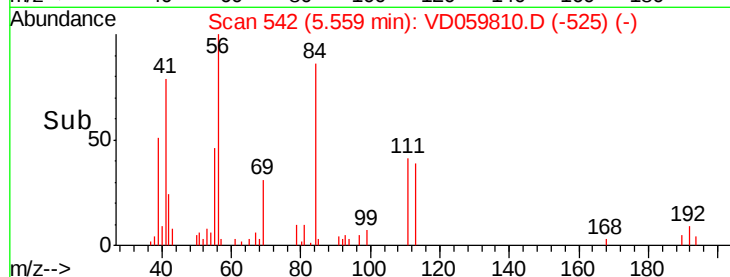
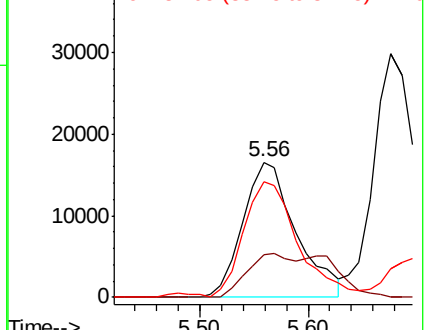
56 100

69 31.2 23.4 35.2

84 85.5 65.4 98.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 18.676 ug/l

RT: 5.48 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

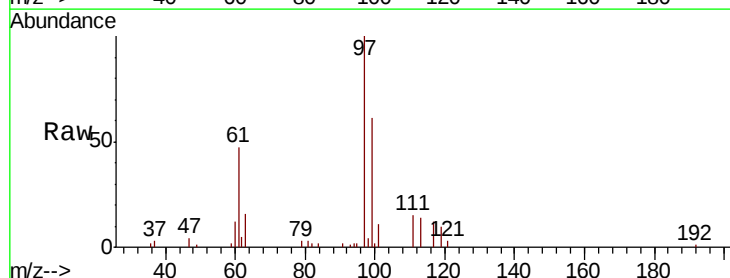
Tgt Ion: 97 Resp: 89582

Ion Ratio Lower Upper

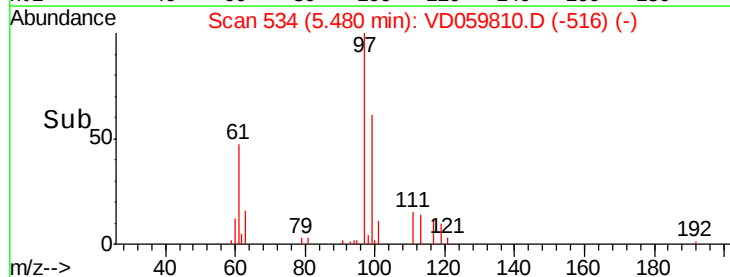
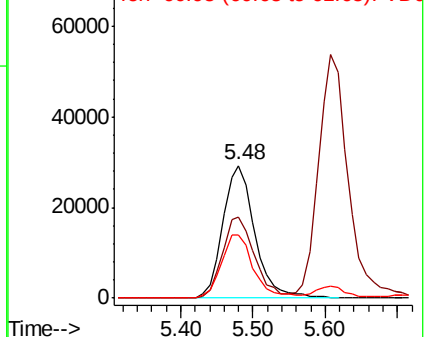
97 100

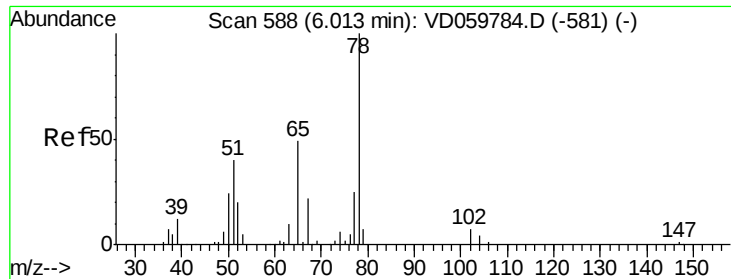
99 61.0 52.2 78.2

61 47.4 39.6 59.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

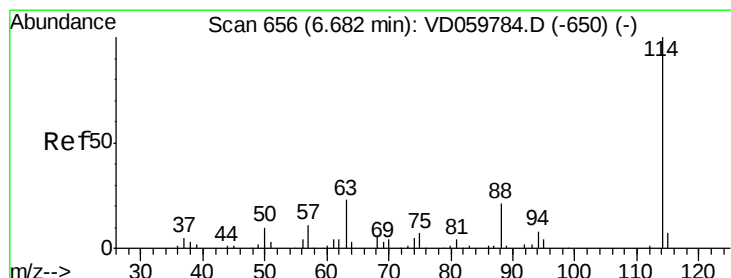
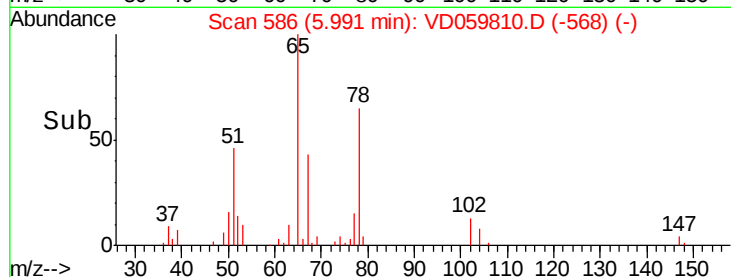
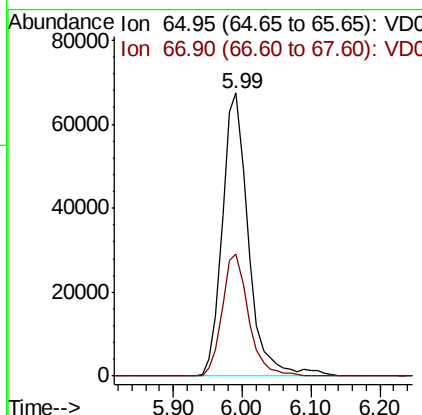
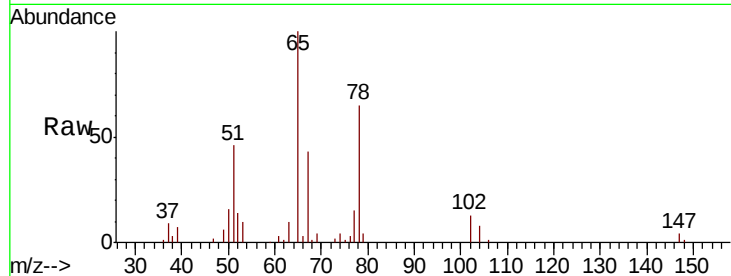




#33
 1,2-Dichloroethane-d4
 Concen: 18.676 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. -0.02 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

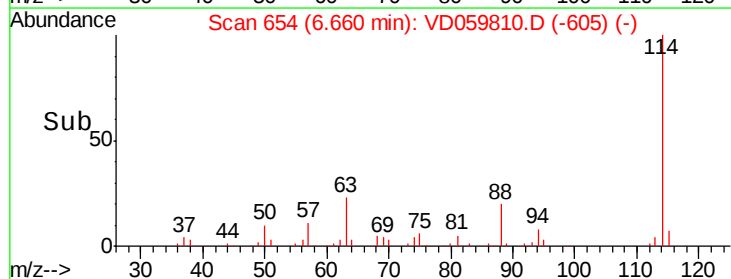
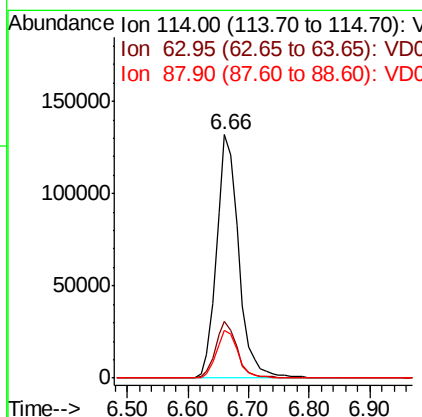
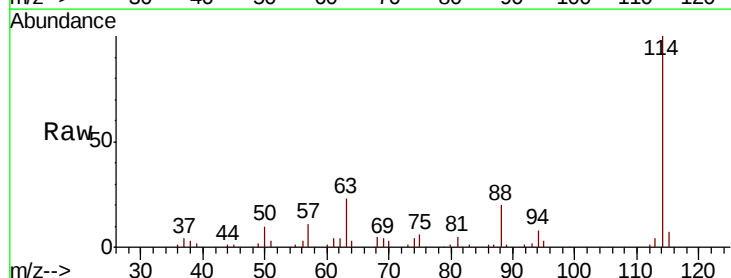
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

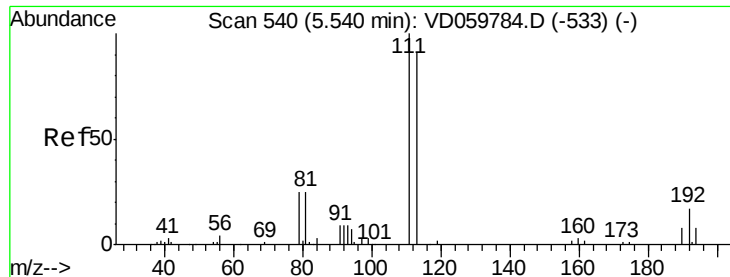
Tgt Ion: 65 Resp: 176607
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion: 114 Resp: 333325
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.0
 88 19.6 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

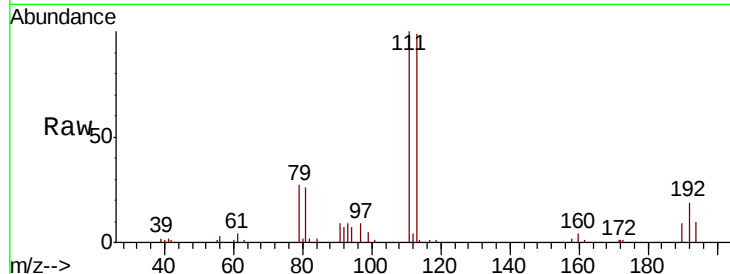
Tgt Ion:113 Resp: 158032

Ion Ratio Lower Upper

113 100

111 101.3 87.7 131.5

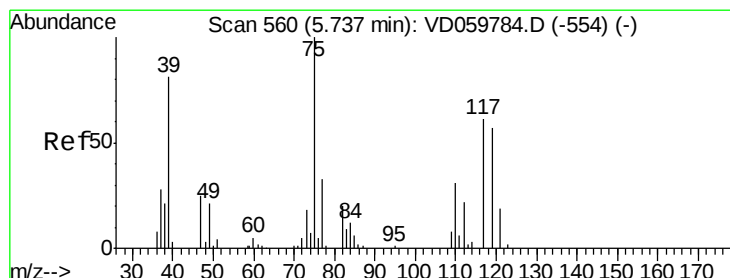
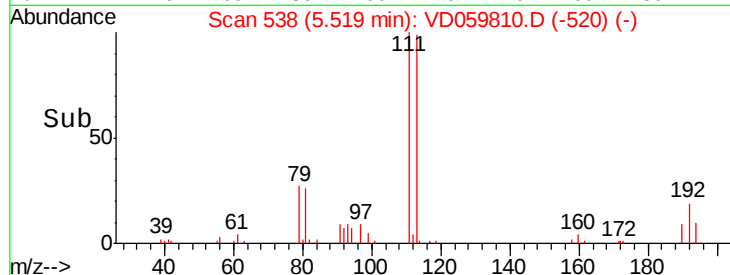
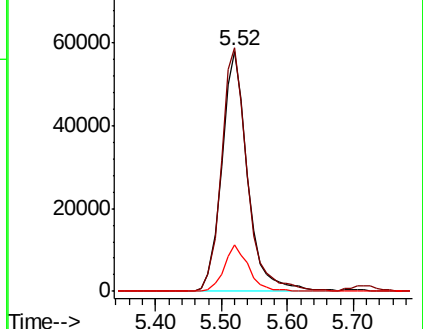
192 19.6 14.6 21.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 17.938 ug/l

RT: 5.72 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

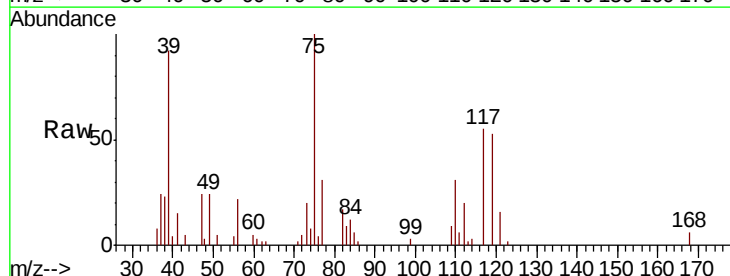
Tgt Ion: 75 Resp: 61344

Ion Ratio Lower Upper

75 100

110 30.9 15.3 45.8

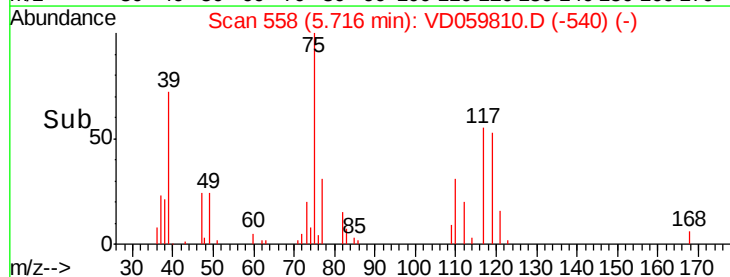
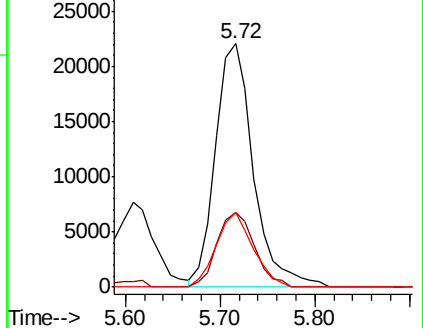
77 30.5 26.2 39.4

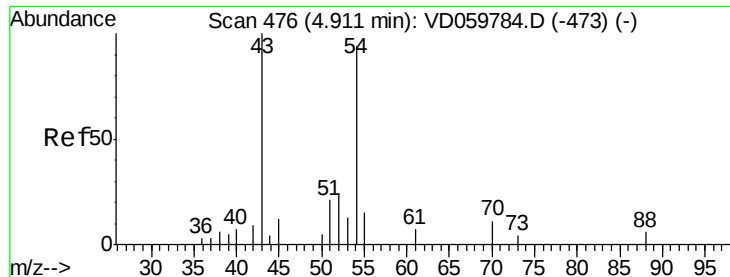


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 20.866 ug/l

RT: 4.90 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

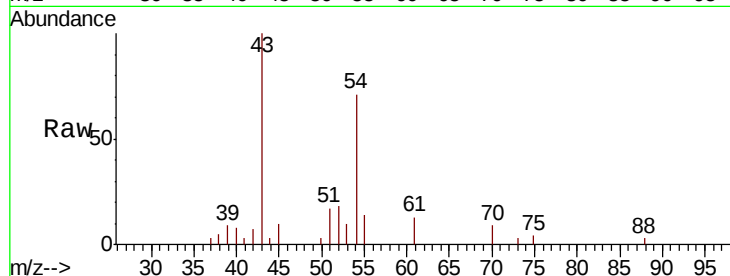
Tgt Ion: 43 Resp: 35691

Ion Ratio Lower Upper

43 100

61 13.4 10.2 15.2

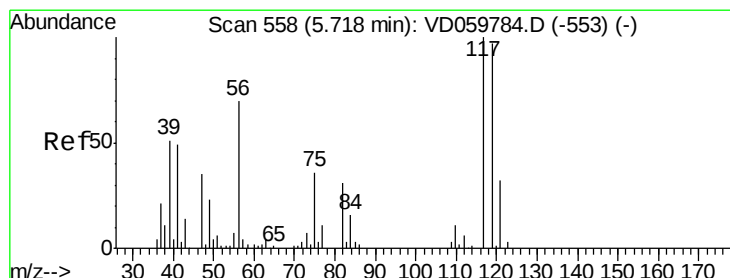
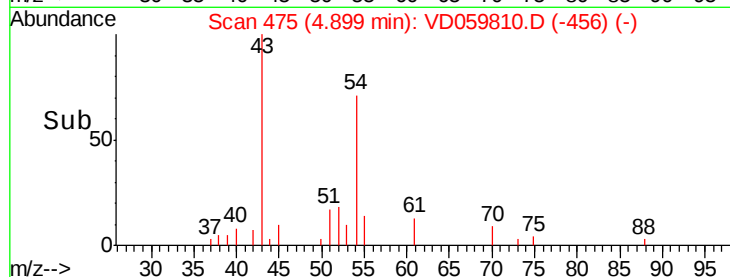
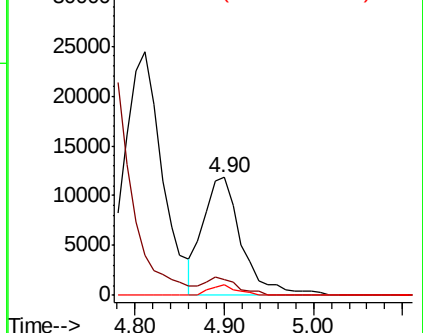
70 9.4 5.8 8.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 18.980 ug/l

RT: 5.70 min Scan# 556

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

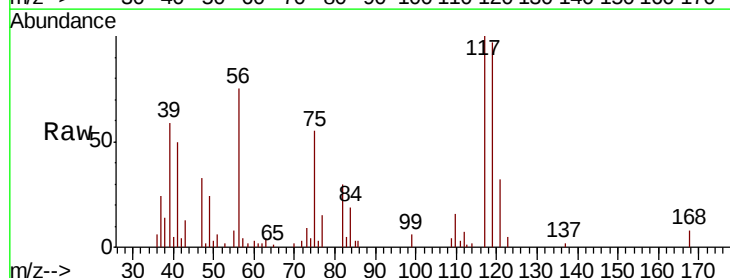
Tgt Ion: 117 Resp: 78309

Ion Ratio Lower Upper

117 100

119 97.4 75.7 113.5

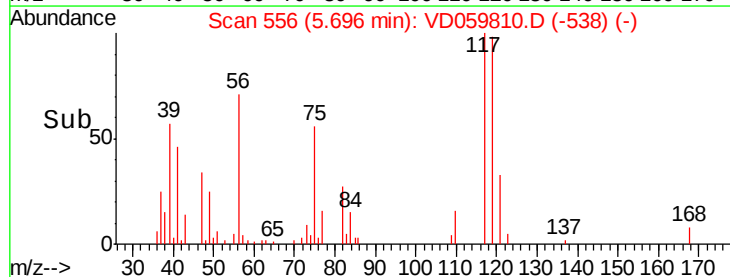
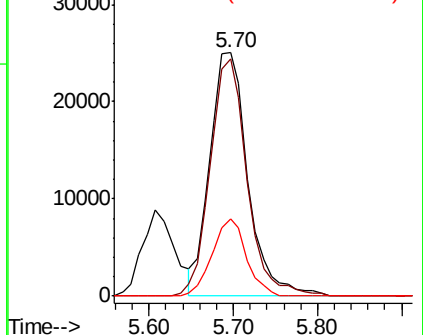
121 31.7 24.7 37.1

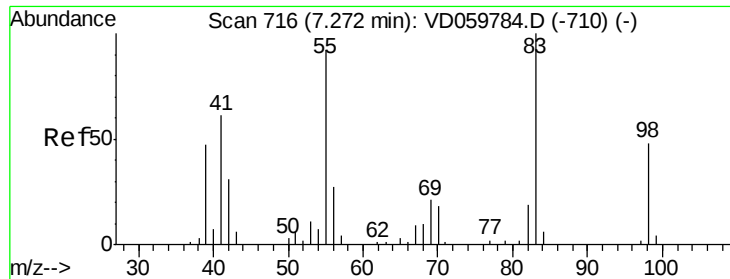


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

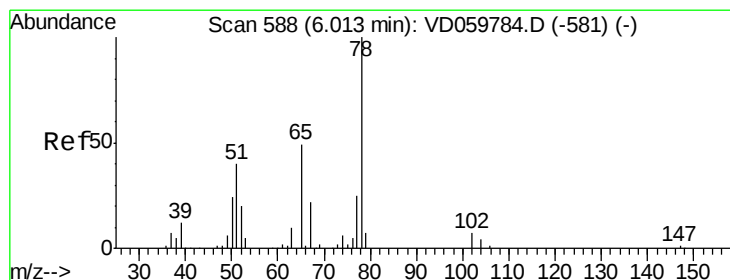
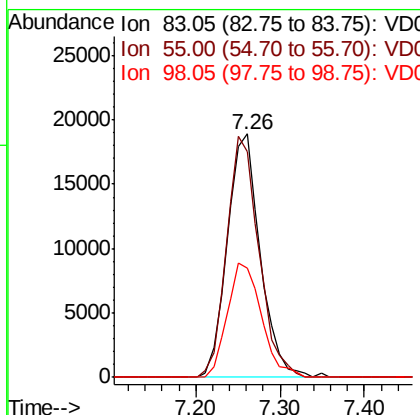
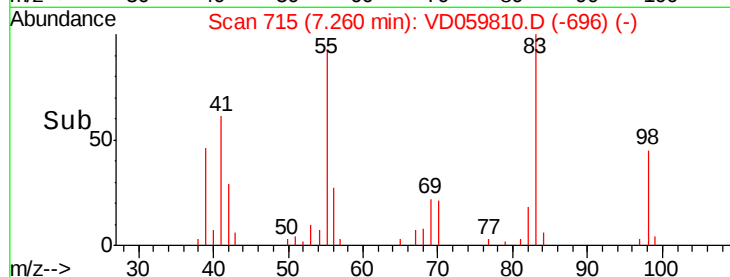
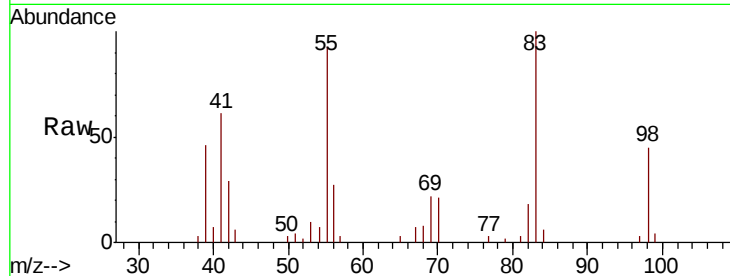




#39
Methylcyclohexane
Concen: 17.347 ug/l
RT: 7.26 min Scan# 715
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

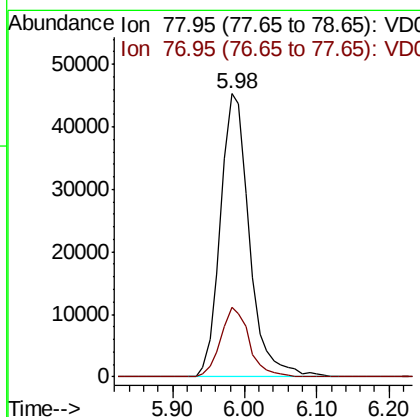
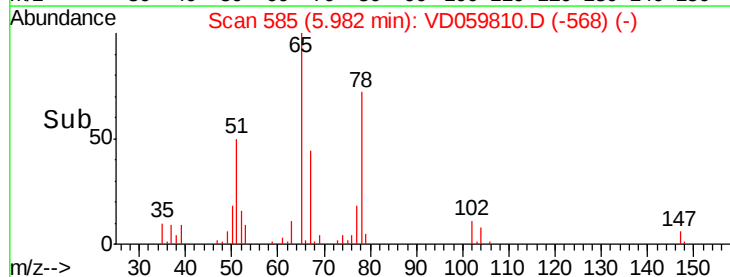
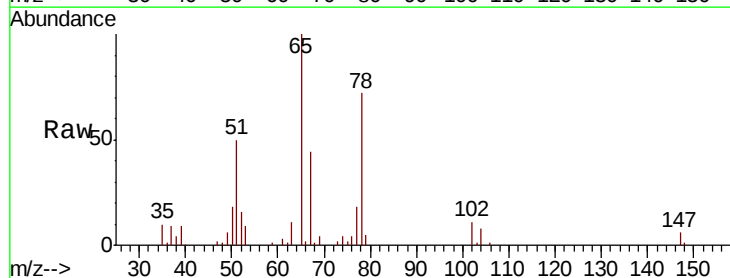
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

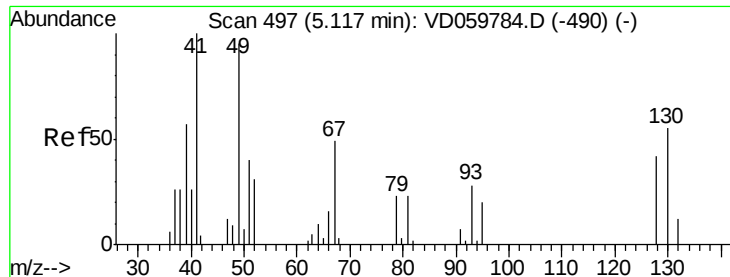
Tgt Ion: 83 Resp: 51319
Ion Ratio Lower Upper
83 100
55 92.6 73.8 110.6
98 44.7 38.4 57.6



#40
Benzene
Concen: 17.320 ug/l
RT: 5.98 min Scan# 585
Delta R.T. -0.03 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion: 78 Resp: 125636
Ion Ratio Lower Upper
78 100
77 24.8 19.6 29.4





#41

Methacrylonitrile

Concen: 20.504 ug/l

RT: 5.10 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

Tgt Ion: 41 Resp: 16779

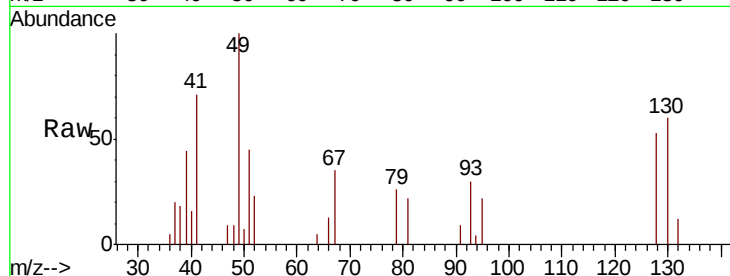
Ion Ratio Lower Upper

41 100

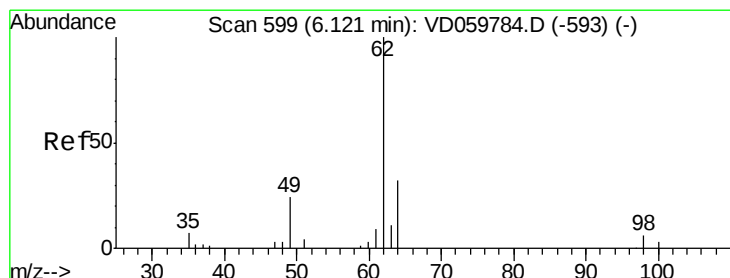
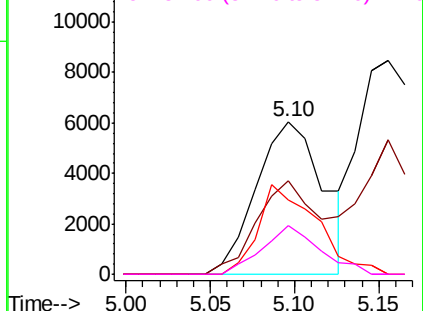
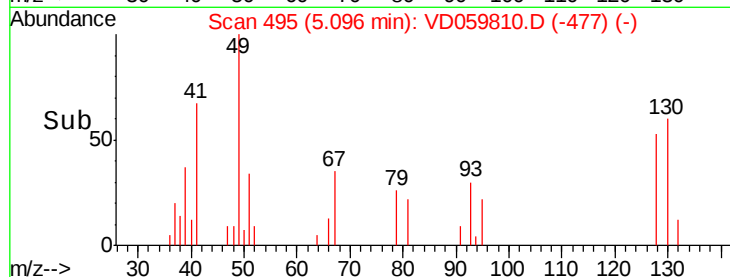
39 61.1 45.4 68.2

67 48.7 39.5 59.3

52 31.7 24.8 37.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.781 ug/l

RT: 6.10 min Scan# 597

Delta R.T. -0.02 min

Lab File: VD059810.D

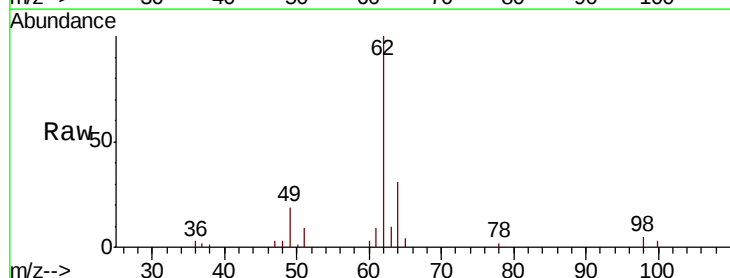
Acq: 16 Aug 2018 14:56

Tgt Ion: 62 Resp: 77655

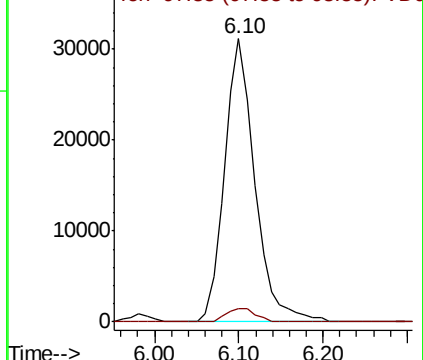
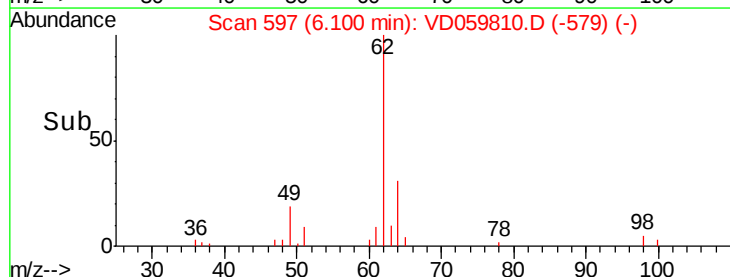
Ion Ratio Lower Upper

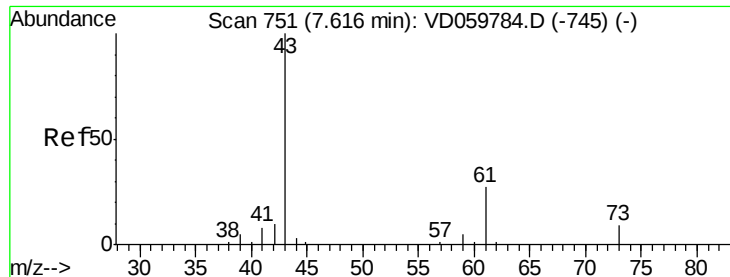
62 100

98 4.8 0.0 12.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.642 ug/l

RT: 7.59 min Scan# 749

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

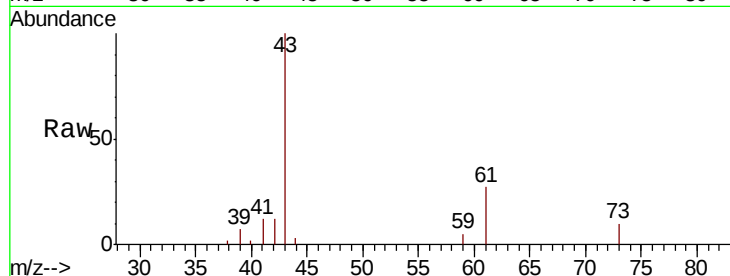
Tgt Ion: 43 Resp: 42426

Ion Ratio Lower Upper

43 100

61 26.8 21.2 31.8

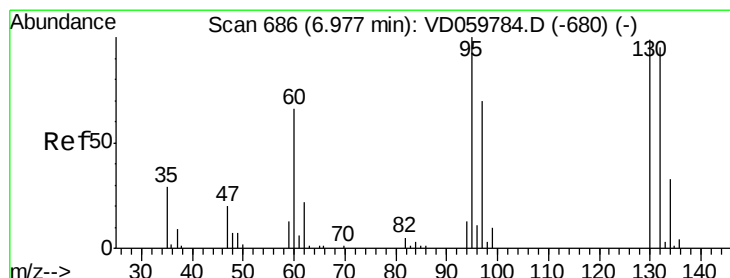
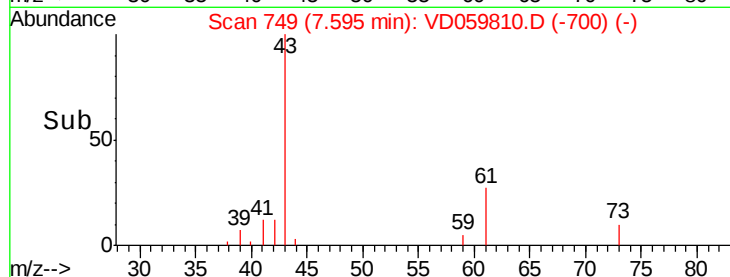
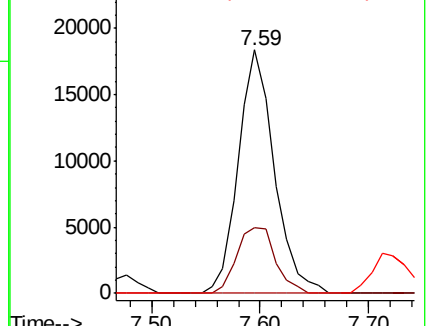
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 17.650 ug/l

RT: 6.96 min Scan# 684

Delta R.T. -0.02 min

Lab File: VD059810.D

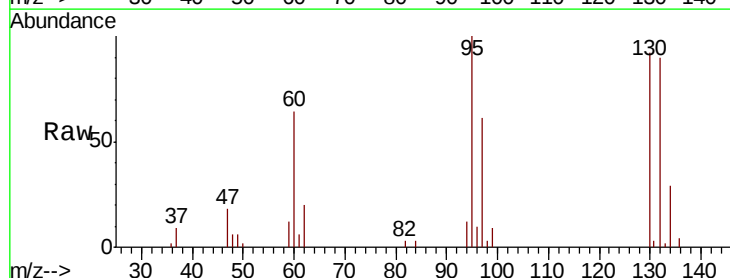
Acq: 16 Aug 2018 14:56

Tgt Ion: 130 Resp: 43842

Ion Ratio Lower Upper

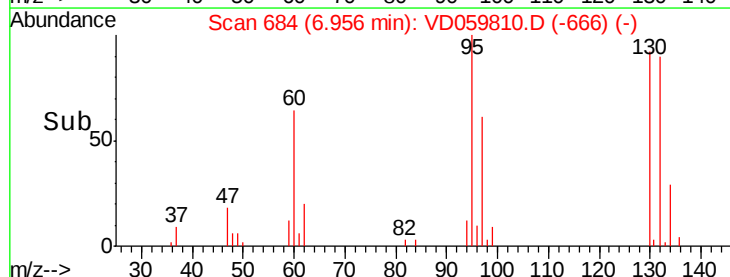
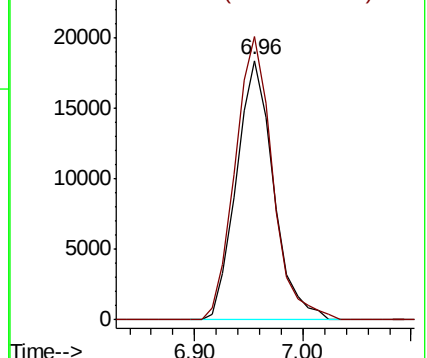
130 100

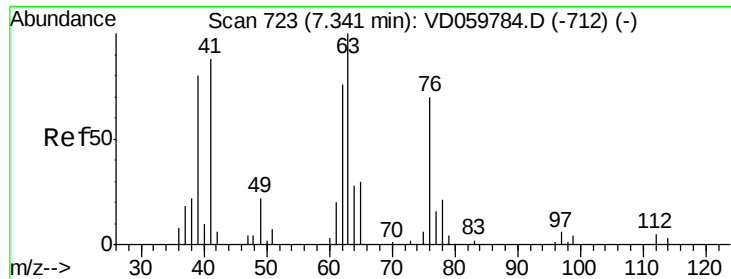
95 109.1 0.0 201.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.998 ug/l

RT: 7.32 min Scan# 721

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

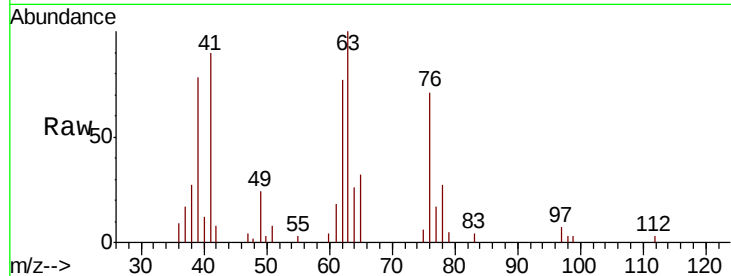
VD0816SBSD01

Tgt Ion: 63 Resp: 35820

Ion Ratio Lower Upper

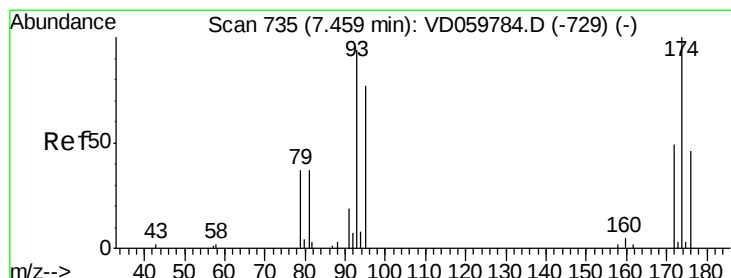
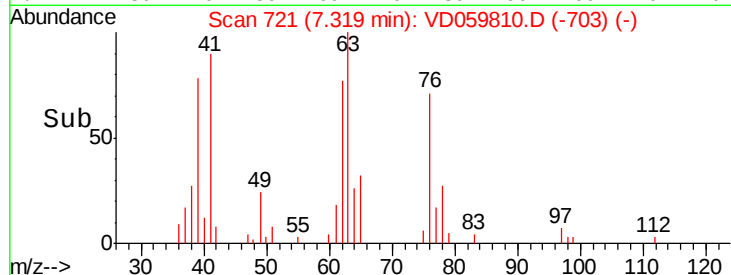
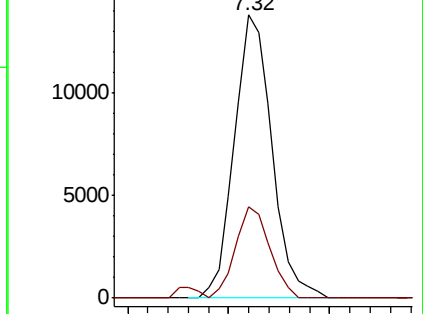
63 100

65 32.4 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.079 ug/l

RT: 7.44 min Scan# 733

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

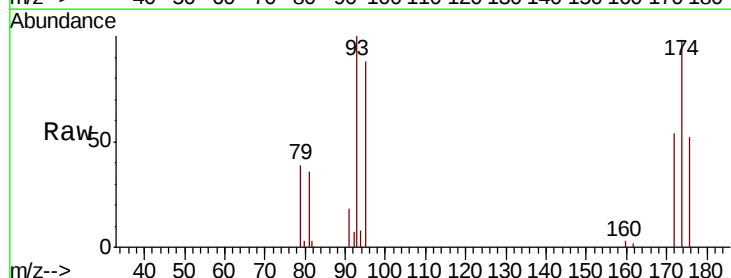
Tgt Ion: 93 Resp: 29421

Ion Ratio Lower Upper

93 100

95 87.7 66.2 99.4

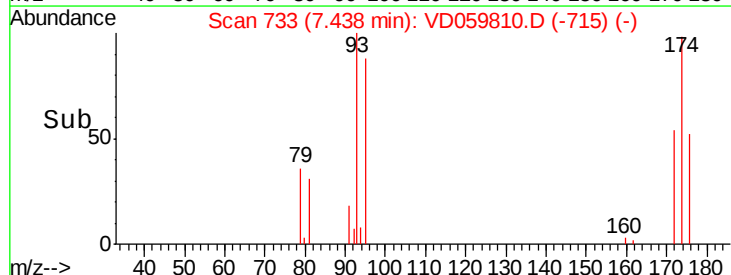
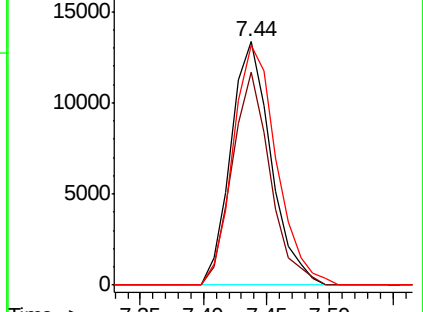
174 98.2 85.5 128.3

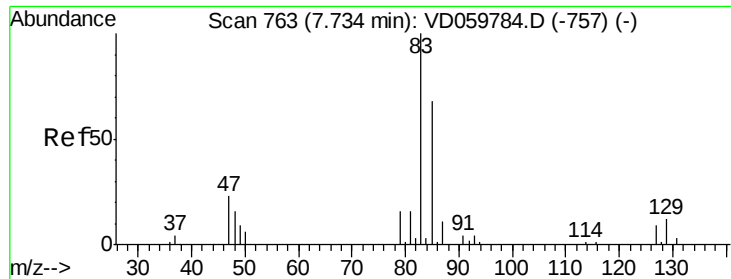


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

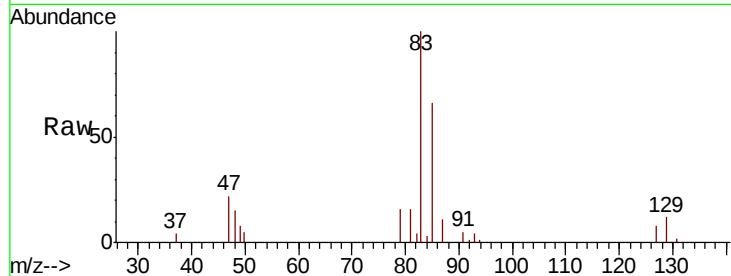




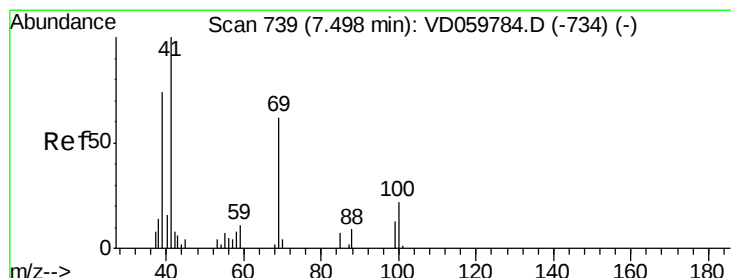
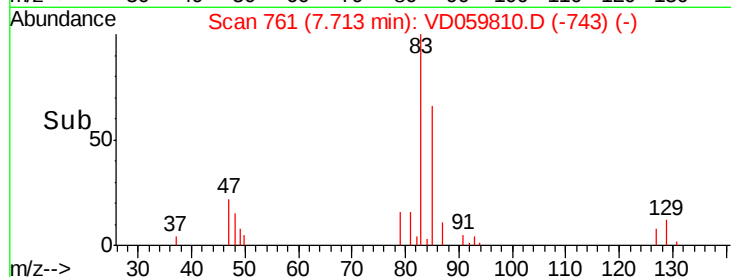
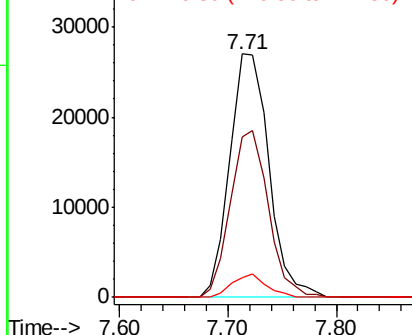
#47
 Bromodichloromethane
 Concen: 18.039 ug/l
 RT: 7.71 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

Tgt Ion: 83 Resp: 68159
 Ion Ratio Lower Upper
 83 100
 85 66.0 54.1 81.1
 127 8.2 7.5 11.3

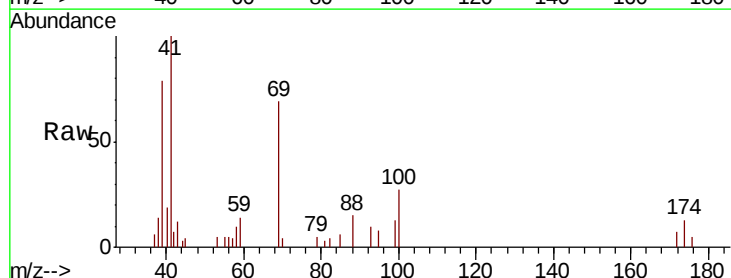


Abundance Ion 82.85 (82.55 to 83.55): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 126.80 (126.50 to 127.50): VDC

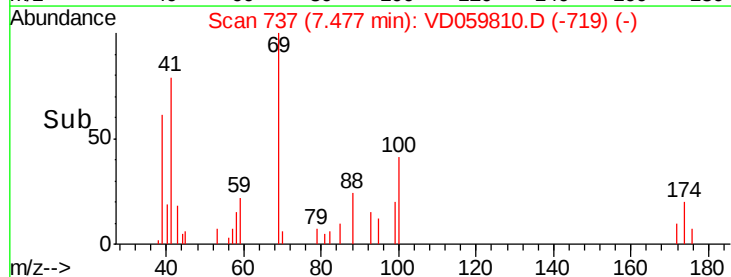
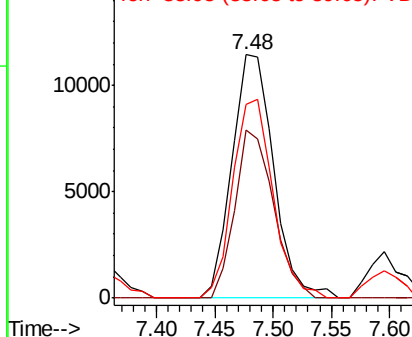


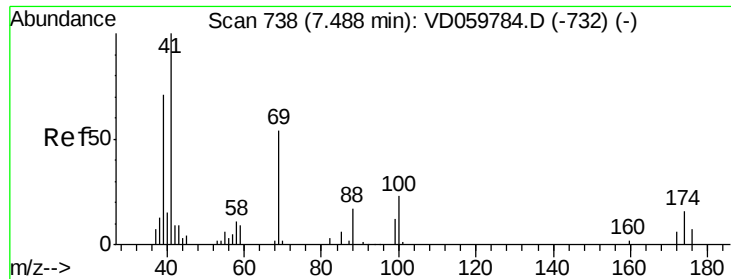
#48
 Methyl methacrylate
 Concen: 20.194 ug/l
 RT: 7.48 min Scan# 737
 Delta R.T. -0.02 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion: 41 Resp: 28461
 Ion Ratio Lower Upper
 41 100
 69 69.1 49.8 74.8
 39 79.5 59.0 88.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
 Ion 69.00 (68.70 to 69.70): VDC
 Ion 38.95 (38.65 to 39.65): VDC

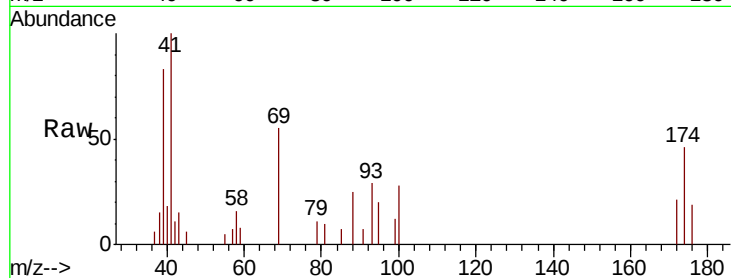




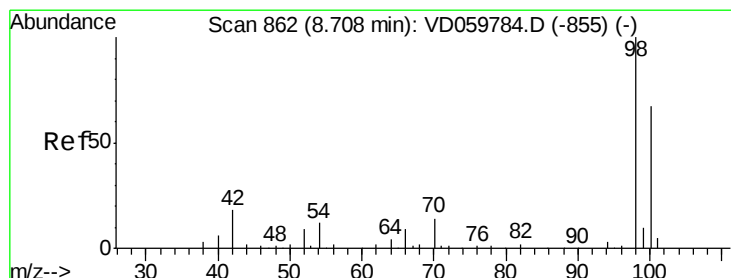
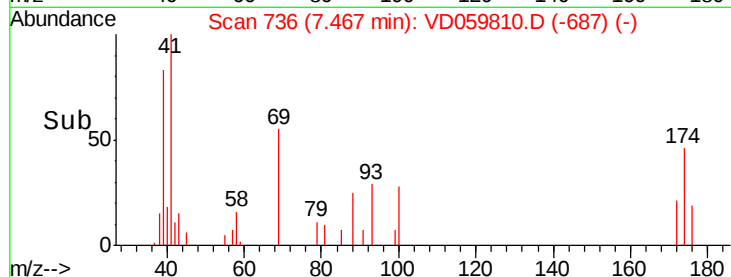
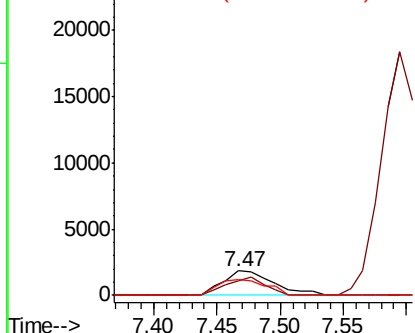
#49
1,4-Dioxane
Concen: 418.938 ug/l
RT: 7.47 min Scan# 736
Delta R.T. -0.02 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

Tgt Ion: 88 Resp: 5200
Ion Ratio Lower Upper
88 100
43 61.7 42.0 63.0
58 65.0 51.4 77.0

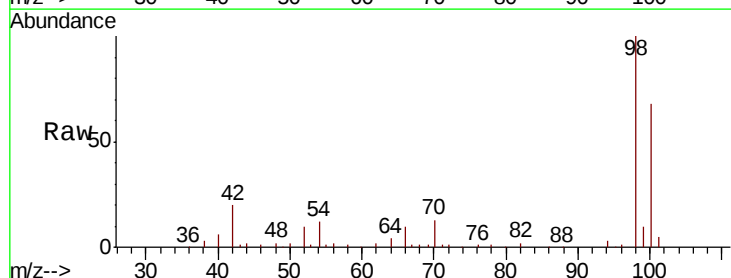


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

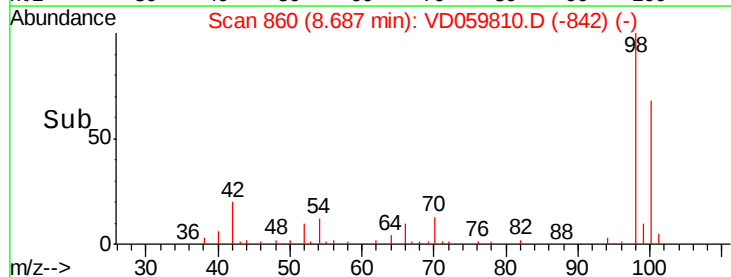
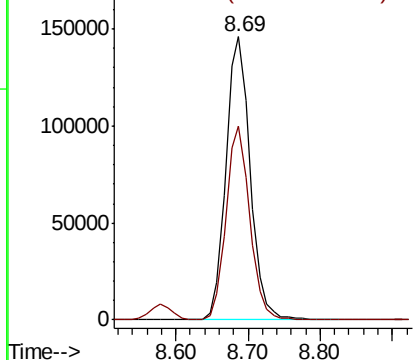


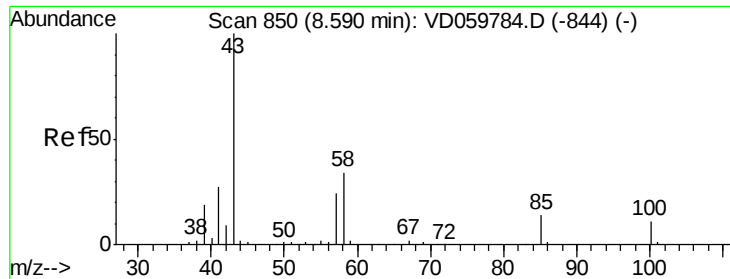
#50
Toluene-d8
Concen: 418.938 ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion: 98 Resp: 339709
Ion Ratio Lower Upper
98 100
100 68.4 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 91.609 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.01 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

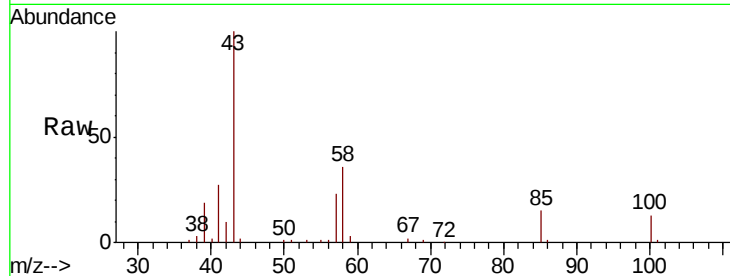
VD0816SBSD01

Tgt Ion: 43 Resp: 149571

Ion Ratio Lower Upper

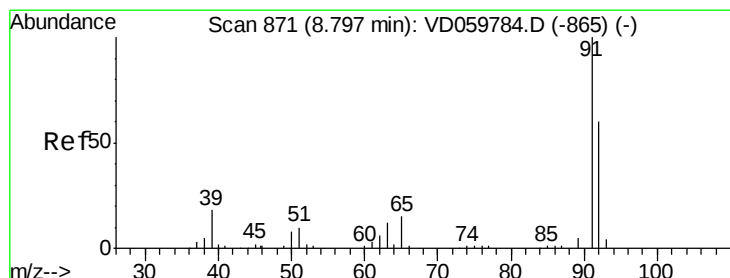
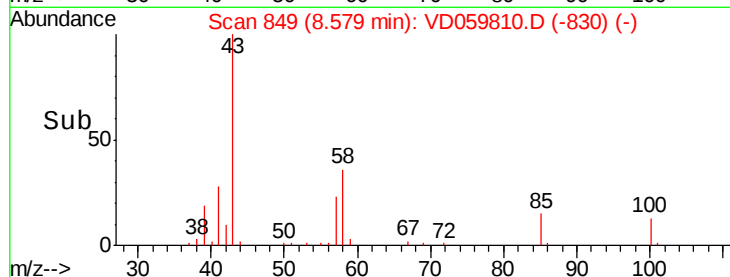
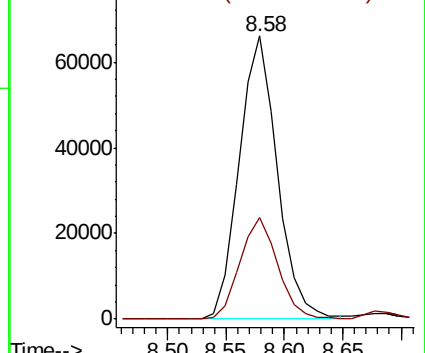
43 100

58 36.1 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.095 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.02 min

Lab File: VD059810.D

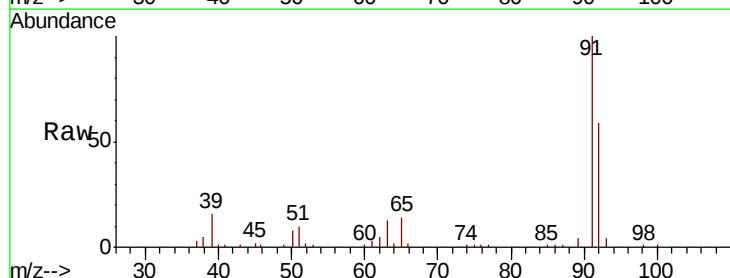
Acq: 16 Aug 2018 14:56

Tgt Ion: 92 Resp: 88734

Ion Ratio Lower Upper

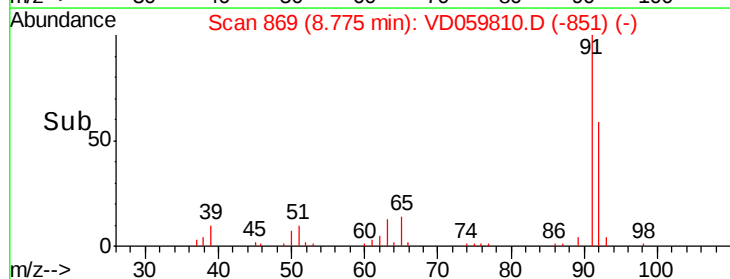
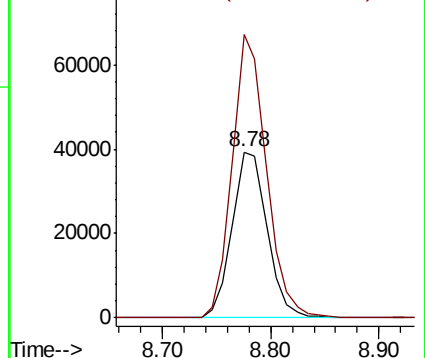
92 100

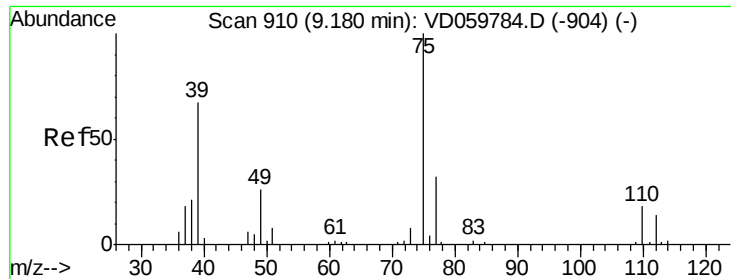
91 170.3 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

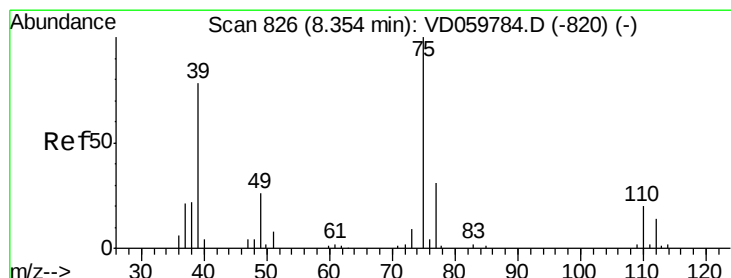
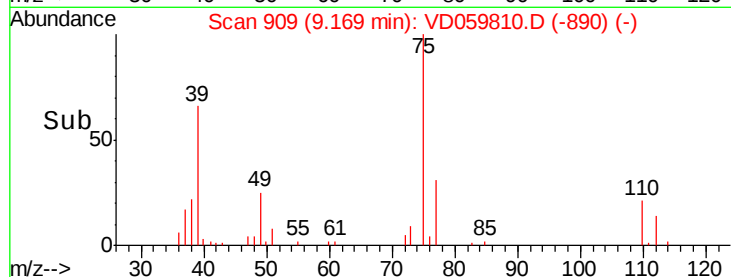
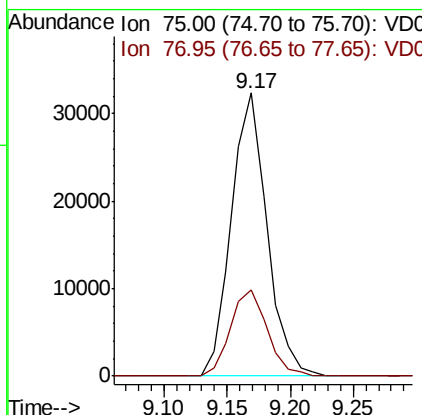
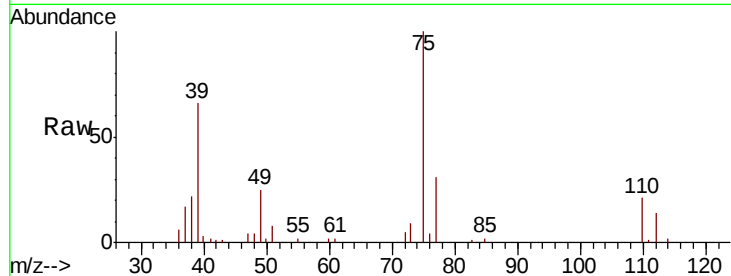




#53
 t-1,3-Dichloropropene
 Concen: 20.085 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

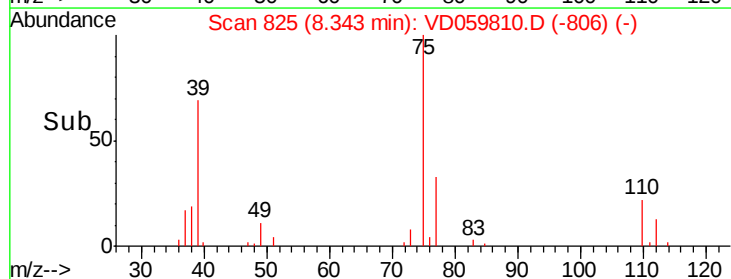
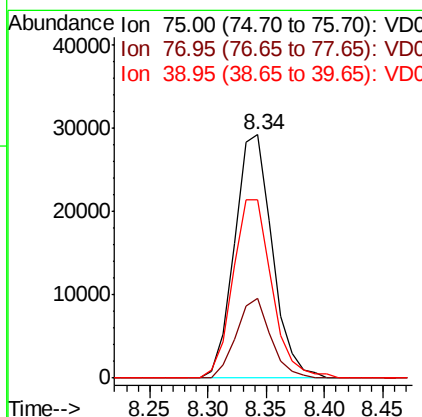
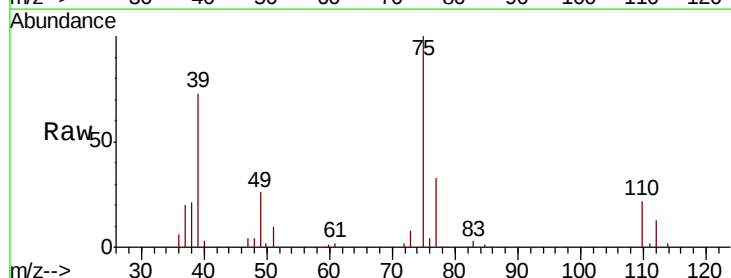
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

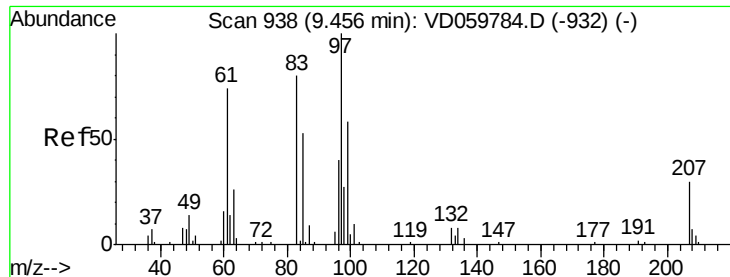
Tgt Ion: 75 Resp: 62918
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.308 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion: 75 Resp: 65366
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.8 37.2
 39 73.4 62.5 93.7





#55

1,1,2-Trichloroethane

Concen: 18.814 ug/l

RT: 9.43 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

Tgt Ion: 97 Resp: 32278

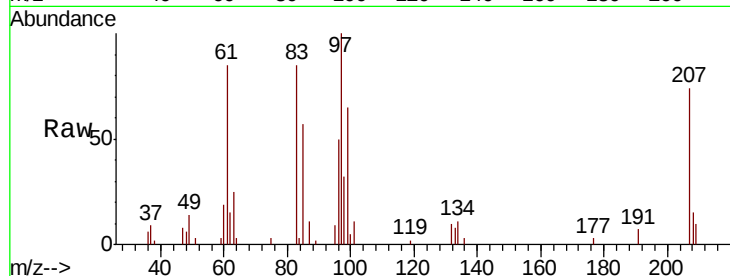
Ion Ratio Lower Upper

97 100

83 85.2 63.8 95.8

85 57.2 42.5 63.7

99 64.8 46.2 69.4

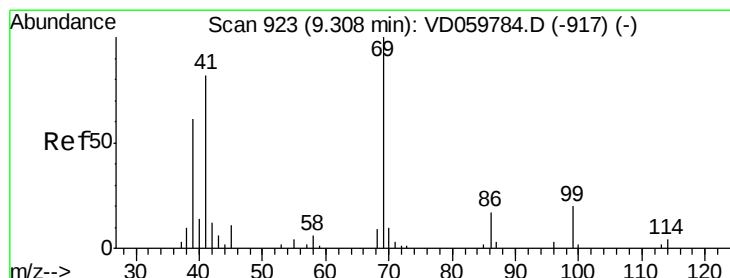
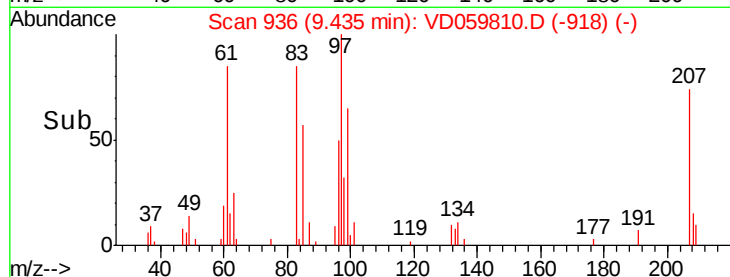
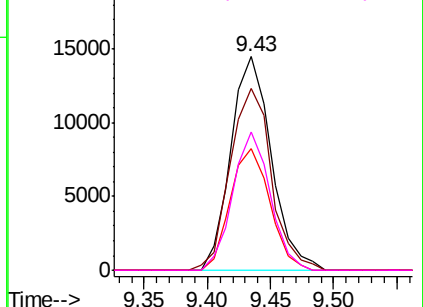


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.567 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

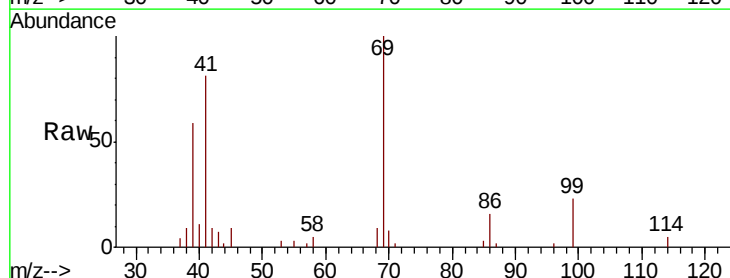
Tgt Ion: 69 Resp: 38212

Ion Ratio Lower Upper

69 100

41 81.0 65.8 98.8

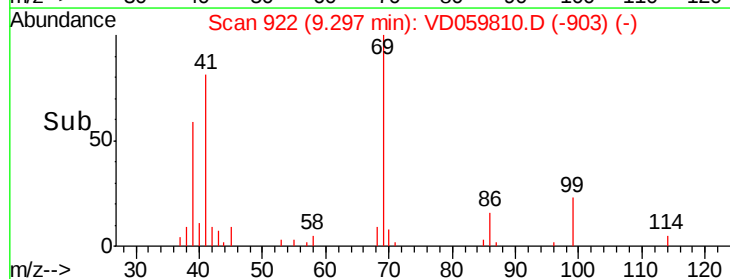
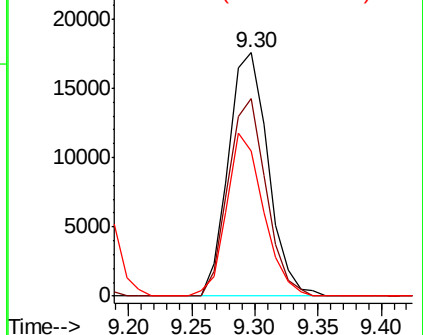
39 59.5 49.7 74.5

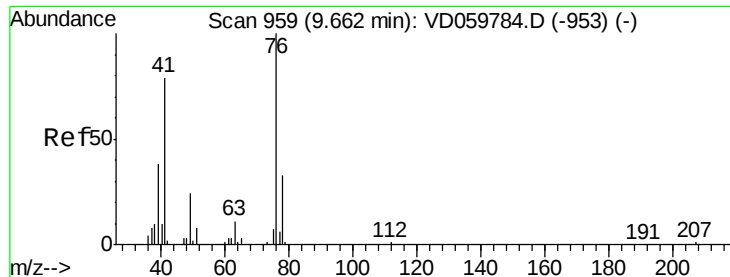


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.276 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

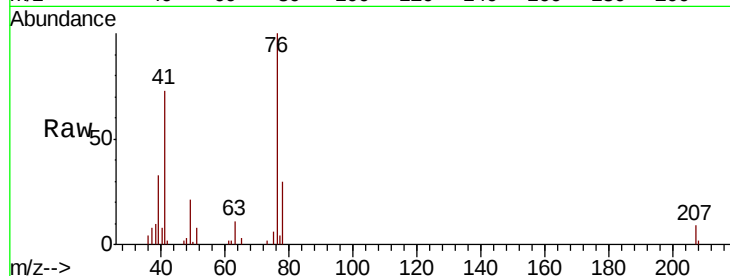
VD0816SBSD01

Tgt Ion: 76 Resp: 51803

Ion Ratio Lower Upper

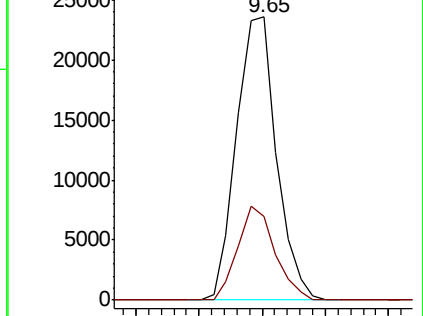
76 100

78 29.5 26.4 39.6

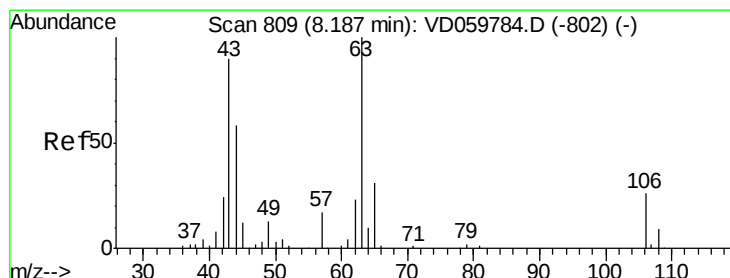
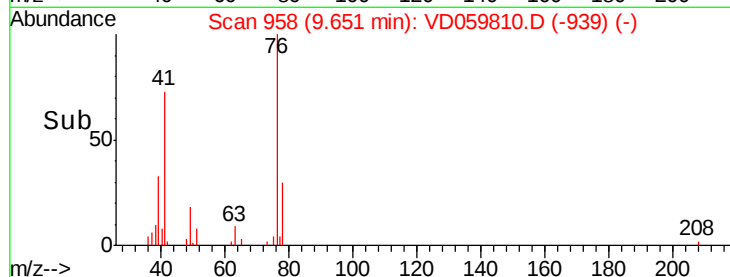


Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 106.824 ug/l

RT: 8.17 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD059810.D

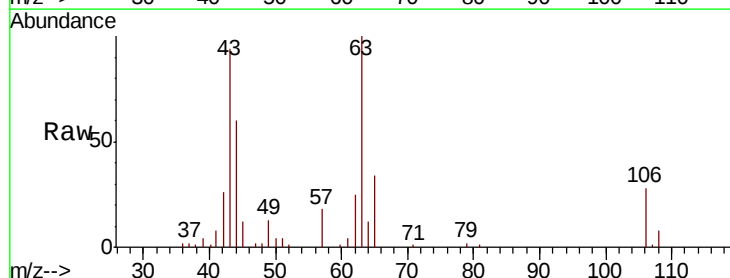
Acq: 16 Aug 2018 14:56

Tgt Ion: 63 Resp: 98094

Ion Ratio Lower Upper

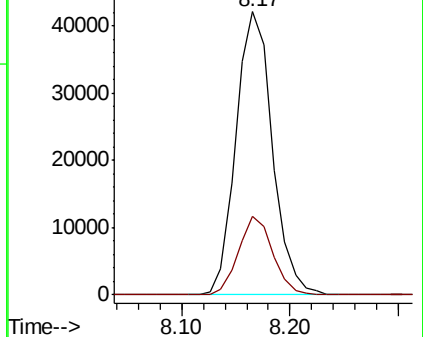
63 100

106 27.6 21.1 31.7

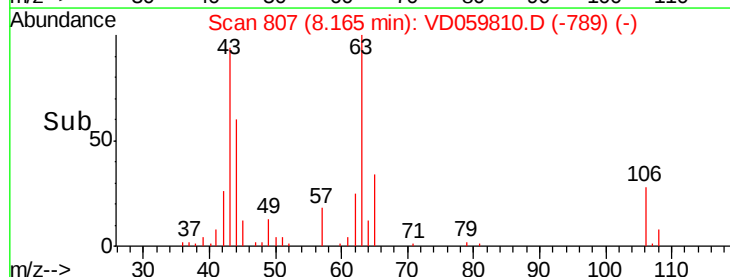


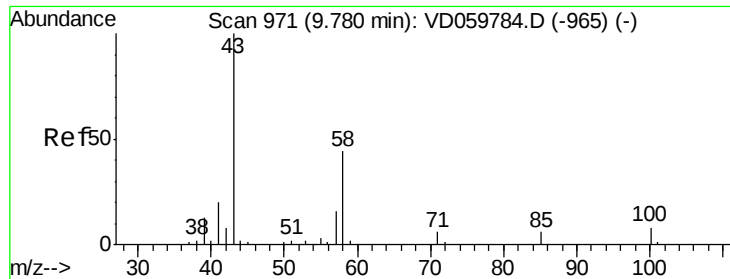
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



Time-->

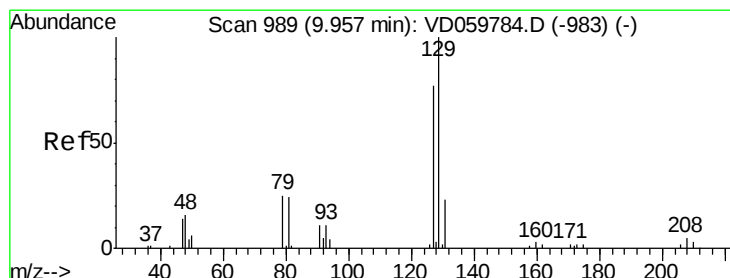
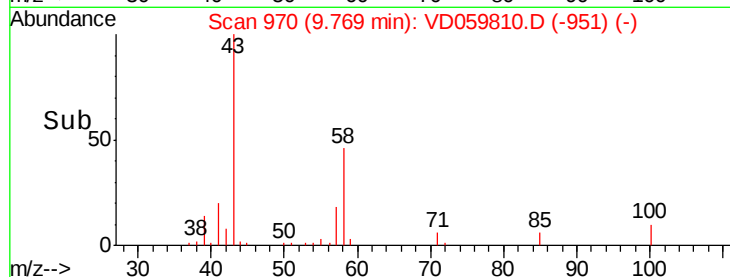
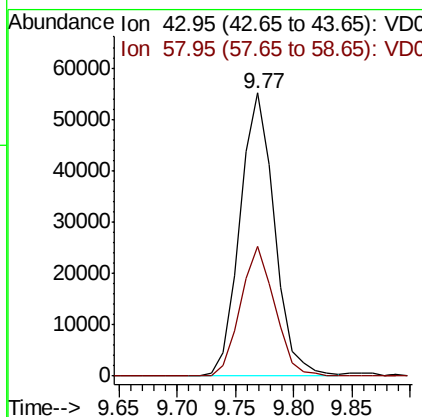
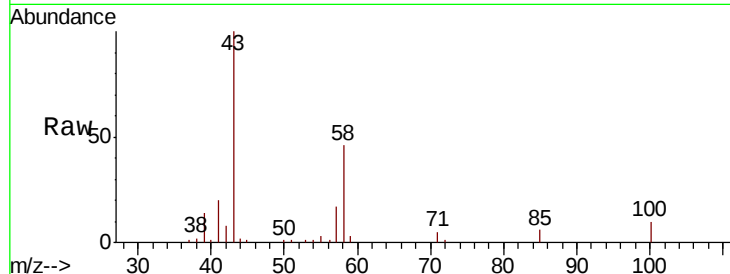




#59
 2-Hexanone
 Concen: 96.500 ug/l
 RT: 9.77 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

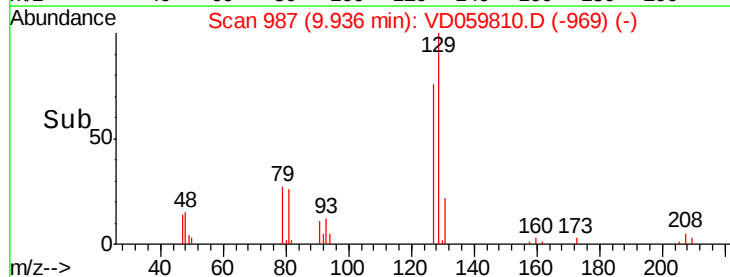
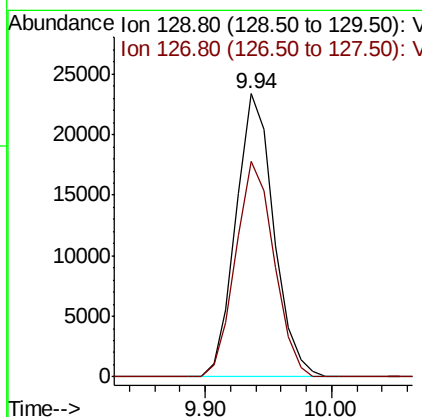
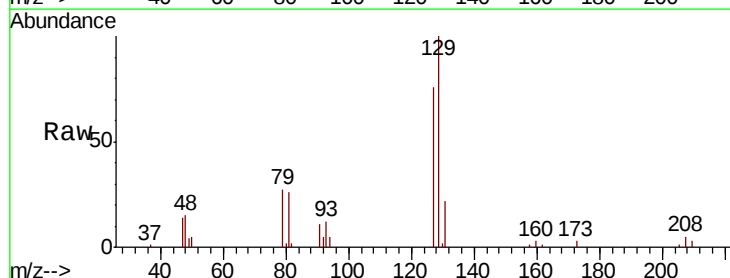
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

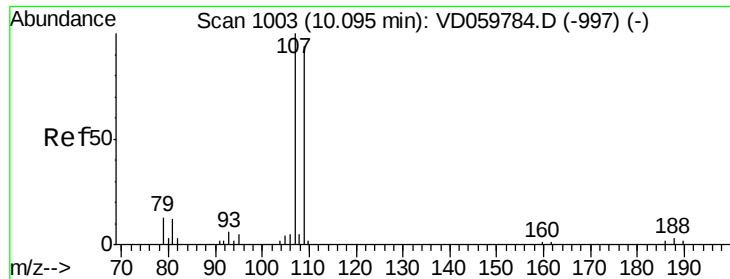
Tgt Ion: 43 Resp: 112978
 Ion Ratio Lower Upper
 43 100
 58 46.0 22.3 66.8



#60
 Dibromochloromethane
 Concen: 19.532 ug/l
 RT: 9.94 min Scan# 987
 Delta R.T. -0.02 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion: 129 Resp: 48653
 Ion Ratio Lower Upper
 129 100
 127 76.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.890 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.02 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

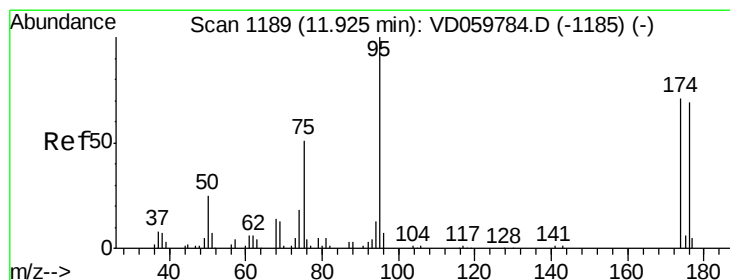
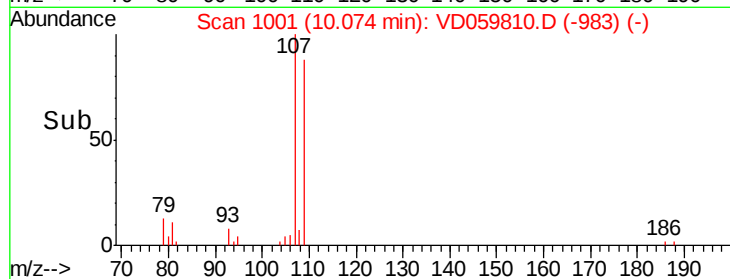
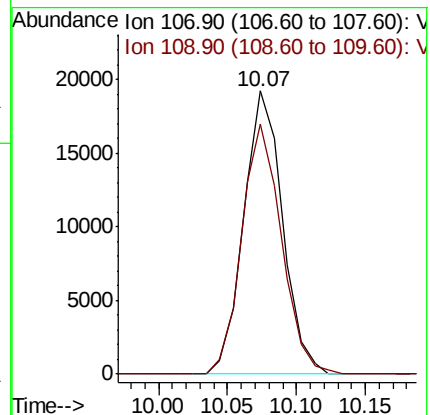
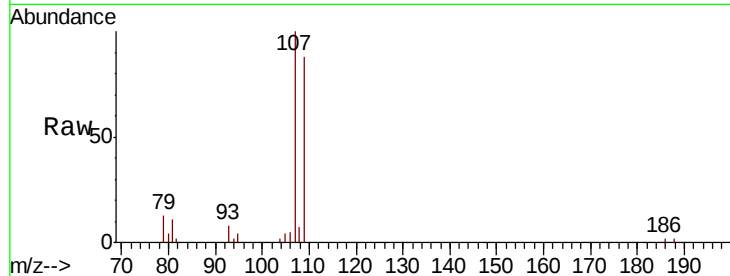
VD0816SBSD01

Tgt Ion:107 Resp: 37798

Ion Ratio Lower Upper

107 100

109 88.2 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 19.890 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

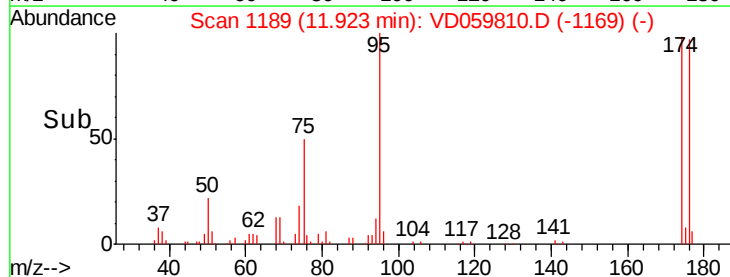
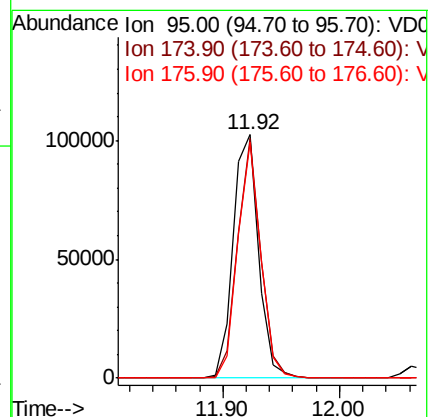
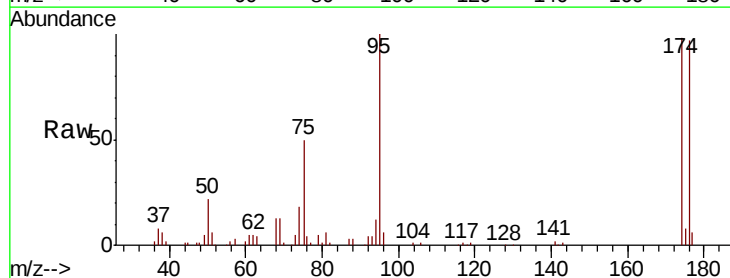
Tgt Ion: 95 Resp: 154835

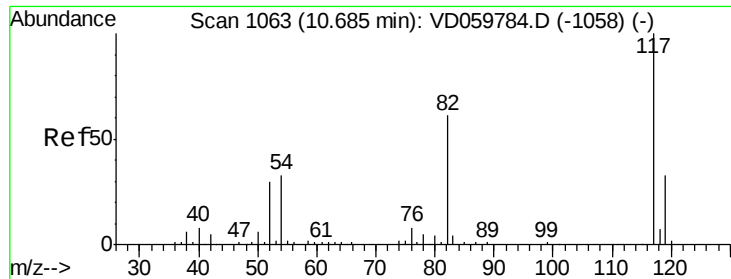
Ion Ratio Lower Upper

95 100

174 98.5 0.0 142.2

176 96.6 0.0 137.4

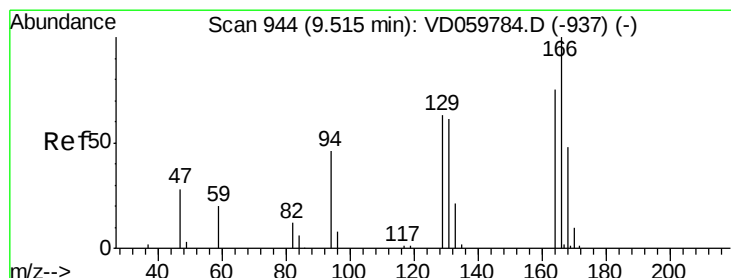
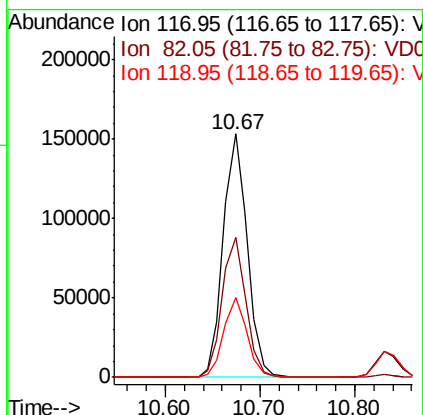
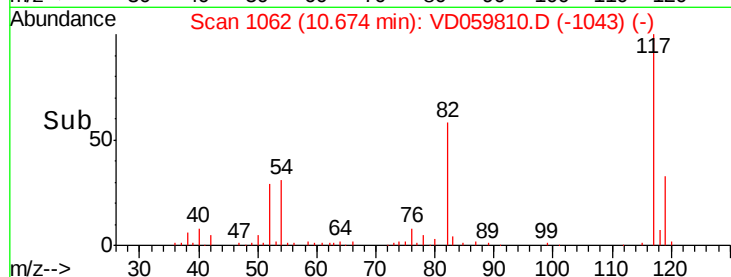
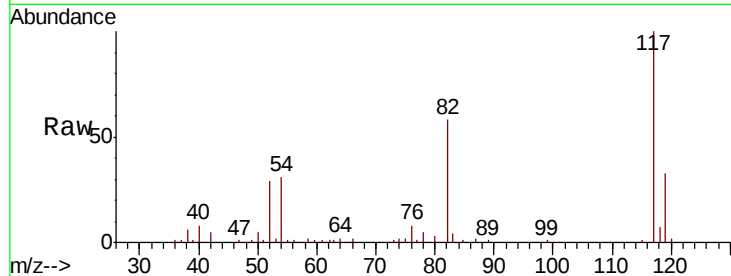




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

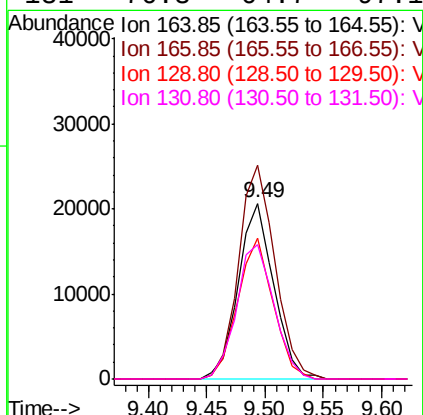
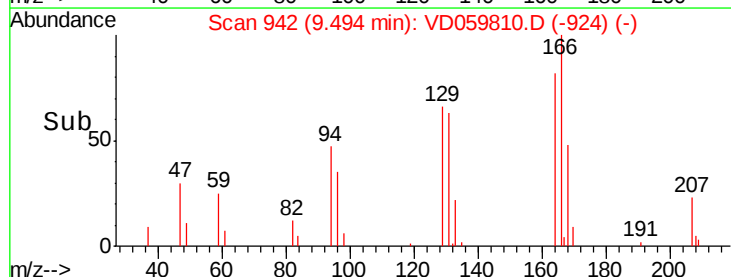
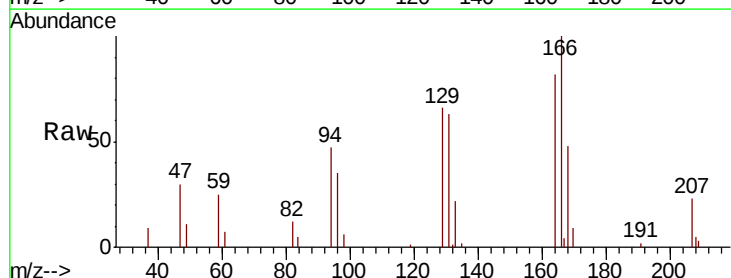
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

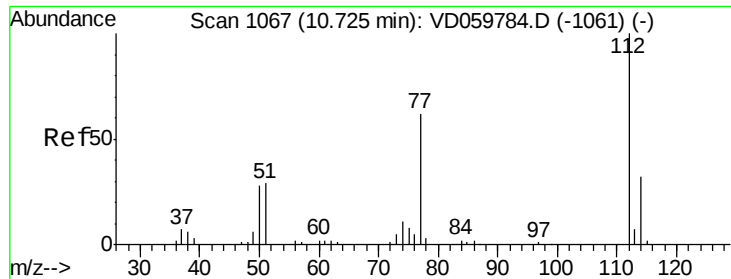
Tgt Ion:117 Resp: 270103
Ion Ratio Lower Upper
117 100
82 57.7 49.0 73.6
119 32.5 26.2 39.2



#64
Tetrachloroethene
Concen: 18.655 ug/l
RT: 9.49 min Scan# 942
Delta R.T. -0.02 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion:164 Resp: 43396
Ion Ratio Lower Upper
164 100
166 121.4 106.8 160.2
129 79.9 67.2 100.8
131 76.3 64.7 97.1

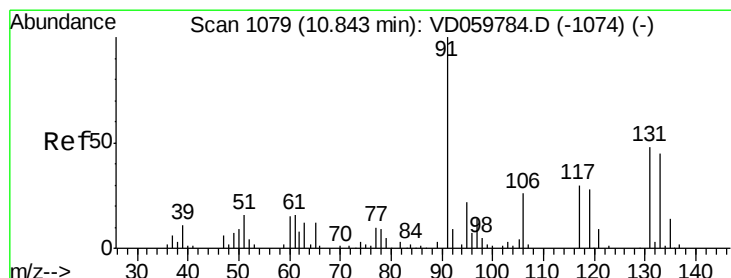
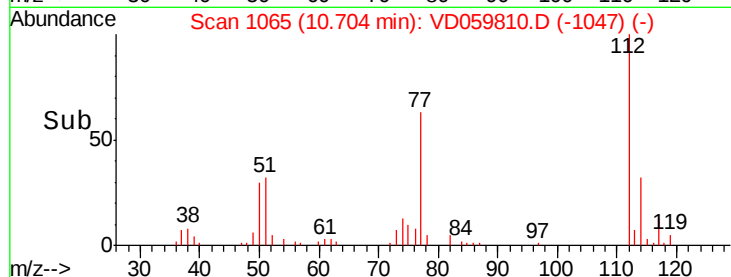
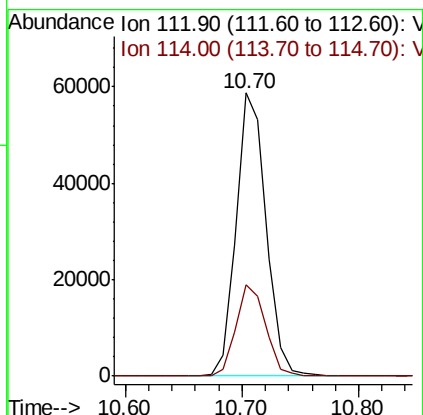
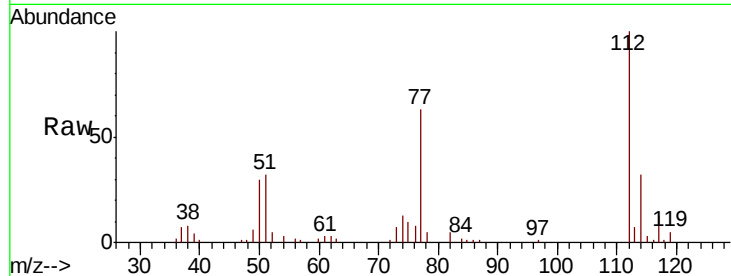




#65
Chlorobenzene
Concen: 19.070 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. -0.02 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

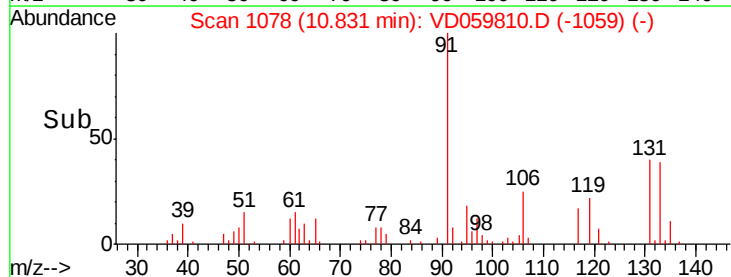
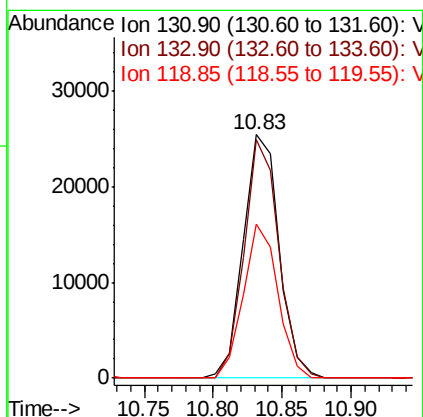
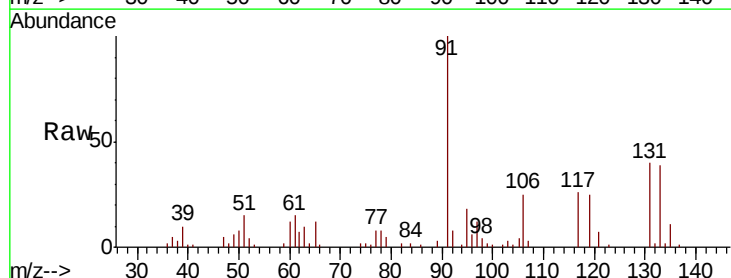
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

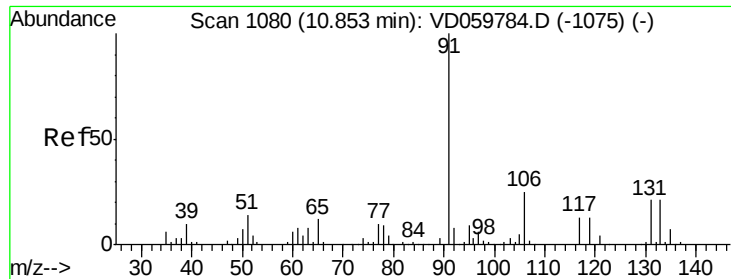
Tgt Ion:112 Resp: 104313
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.006 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion:131 Resp: 46313
Ion Ratio Lower Upper
131 100
133 97.8 47.0 141.0
119 63.3 29.0 87.1

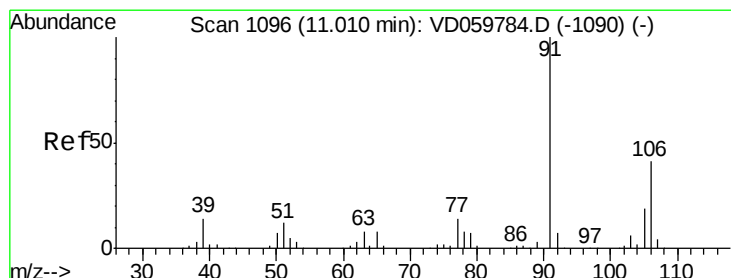
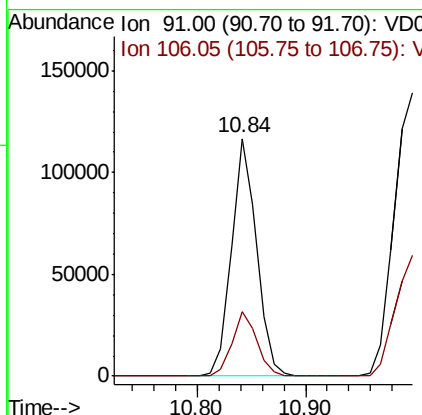
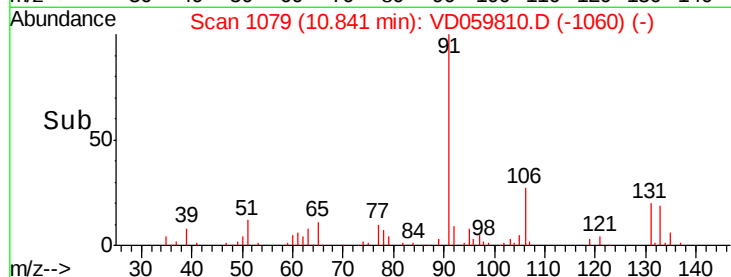
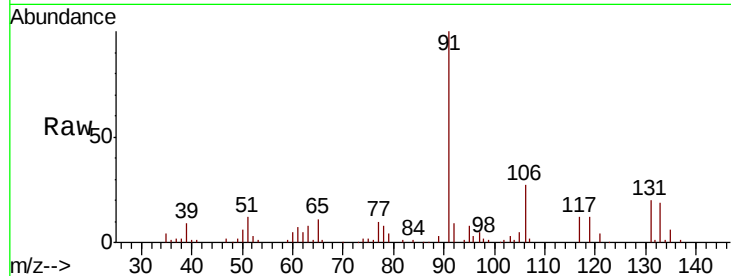




#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

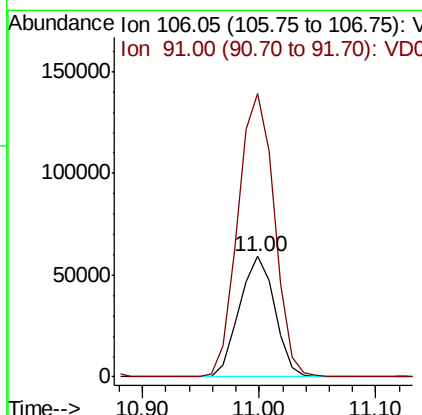
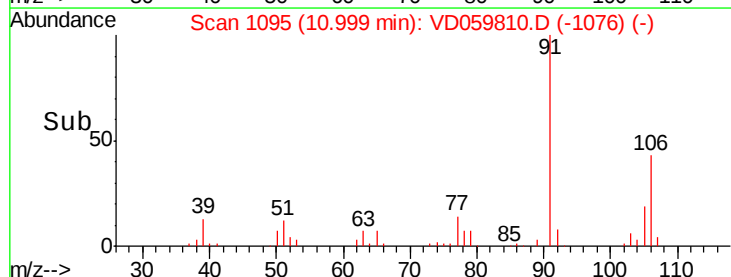
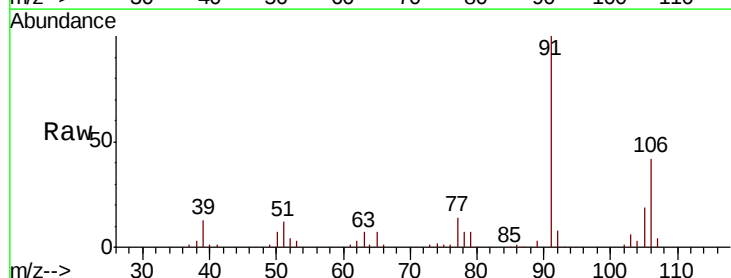
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

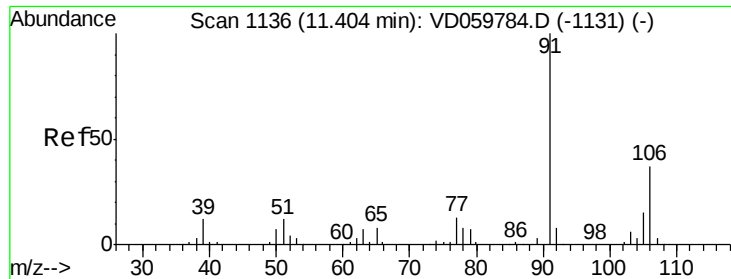
Tgt Ion: 91 Resp: 187465
Ion Ratio Lower Upper
91 100
106 27.1 20.1 30.1



#68
m/p-Xylenes
Concen: 39.015 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion: 106 Resp: 124543
Ion Ratio Lower Upper
106 100
91 235.5 197.4 296.0

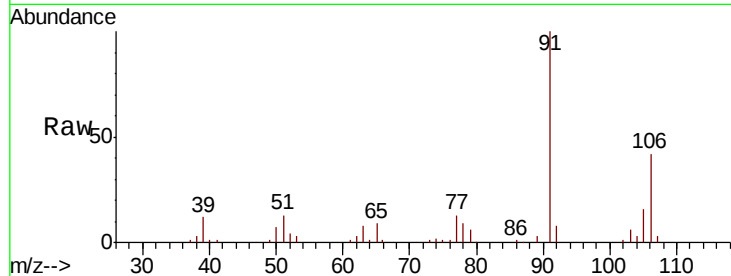




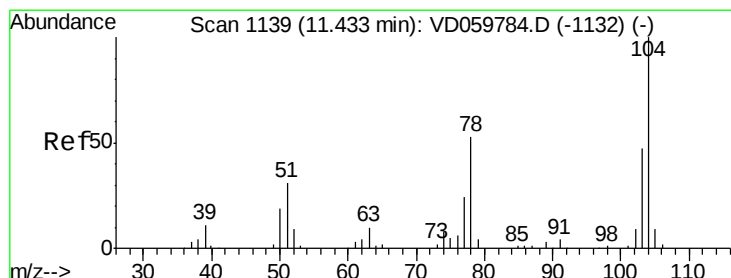
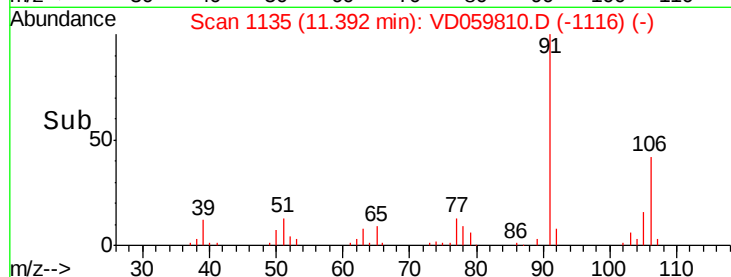
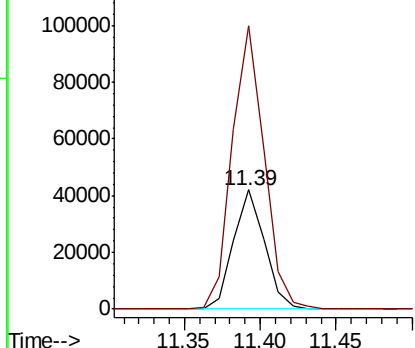
#69
o-Xylene
Concen: 19.618 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

Tgt Ion:106 Resp: 60110
Ion Ratio Lower Upper
106 100
91 238.0 133.7 401.1

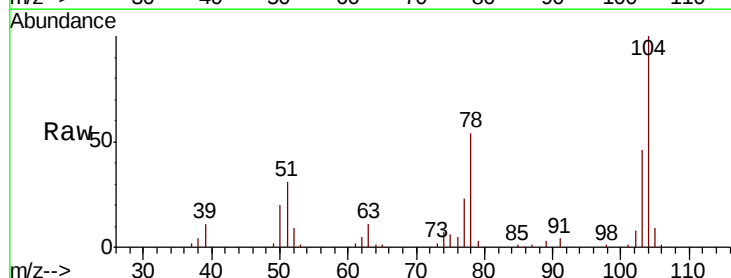


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

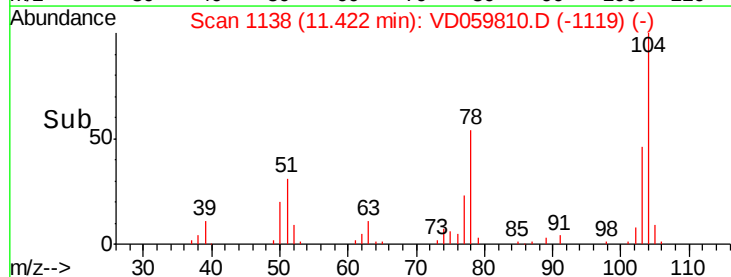
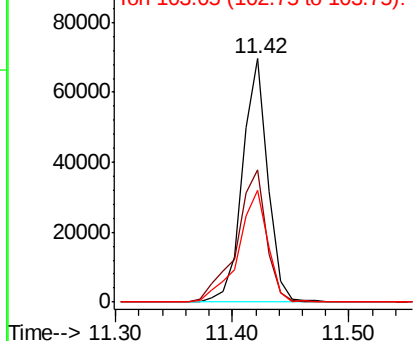


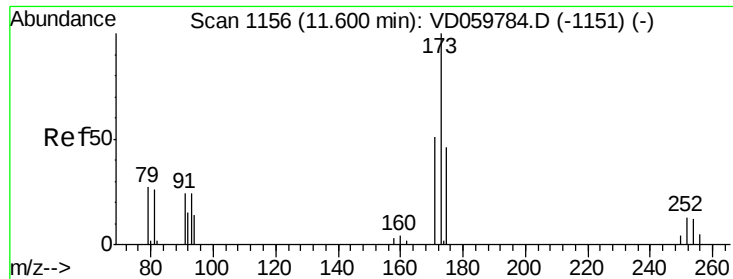
#70
Styrene
Concen: 19.098 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion:104 Resp: 103781
Ion Ratio Lower Upper
104 100
78 54.4 42.6 64.0
103 46.1 37.8 56.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

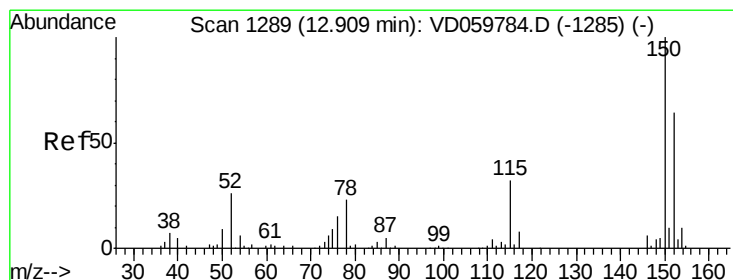
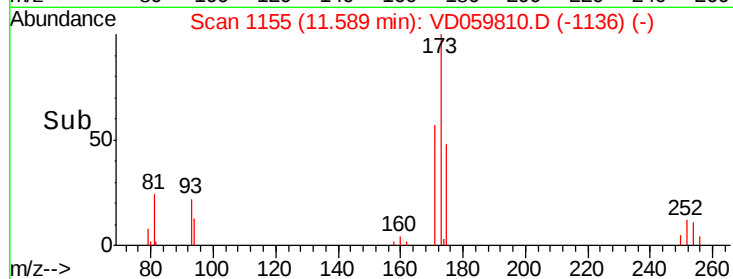
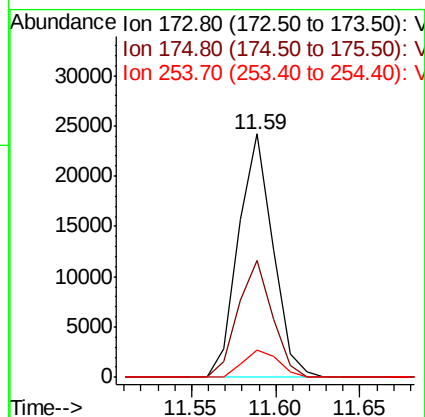
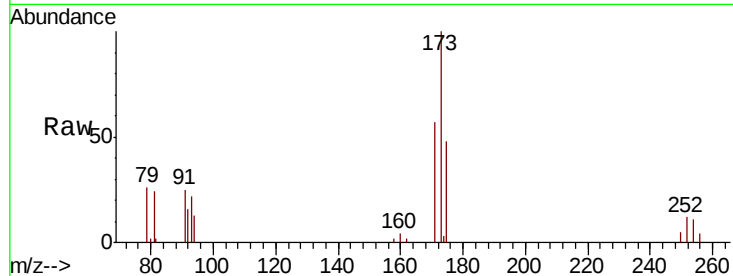




#71
Bromoform
Concen: 21.530 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

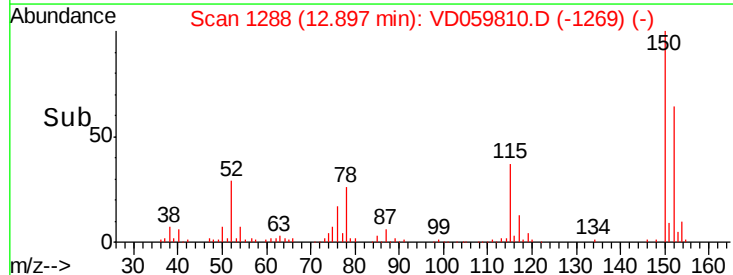
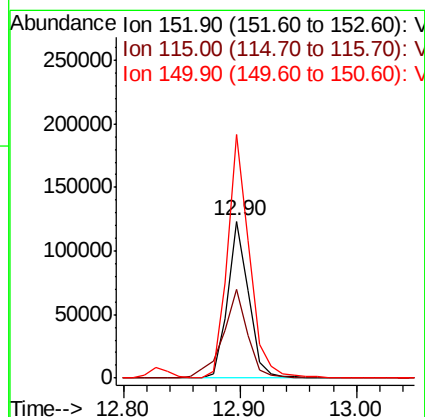
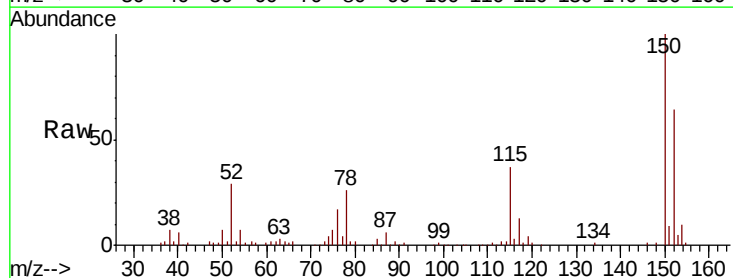
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

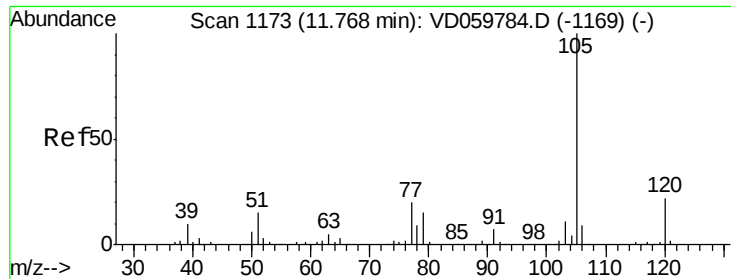
Tgt Ion:173 Resp: 34505
Ion Ratio Lower Upper
173 100
175 48.2 23.1 69.2
254 11.0 9.7 14.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion:152 Resp: 154737
Ion Ratio Lower Upper
152 100
115 56.6 27.2 81.5
150 155.1 0.0 312.4





#73

Isopropylbenzene

Concen: 18.543 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

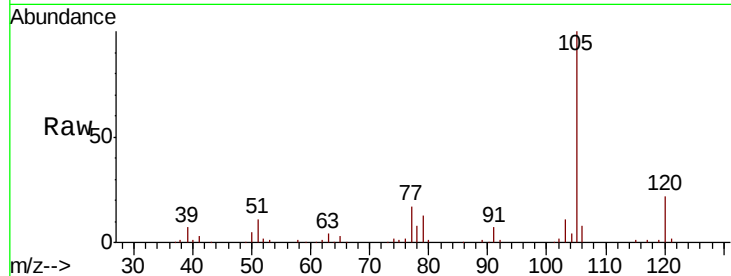
VD0816SBSD01

Tgt Ion:105 Resp: 181677

Ion Ratio Lower Upper

105 100

120 22.4 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

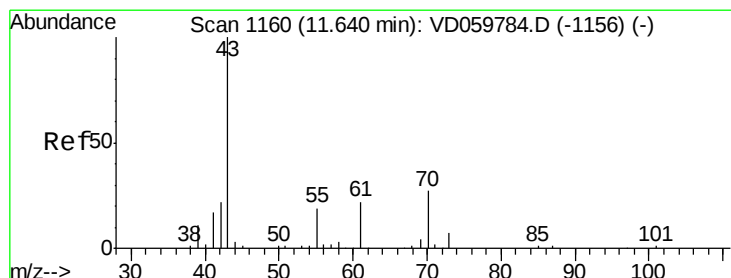
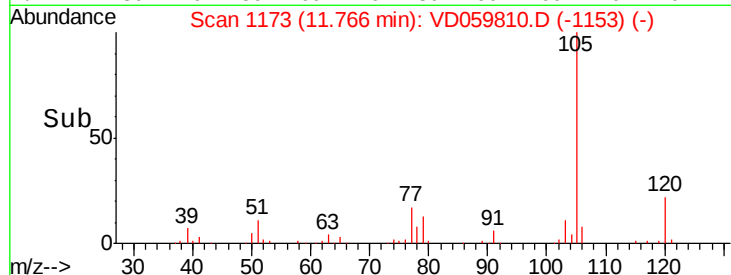
11.77

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.467 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Tgt Ion: 43 Resp: 61486

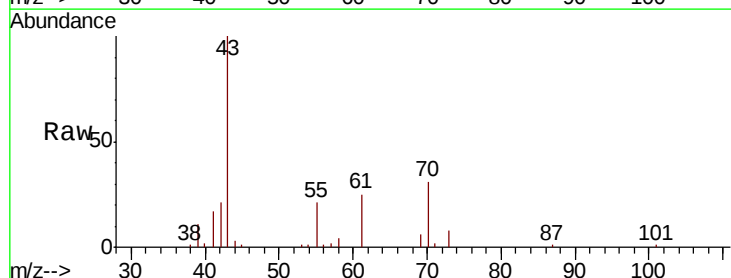
Ion Ratio Lower Upper

43 100

70 31.0 21.8 32.6

55 20.8 15.1 22.7

61 24.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

11.64

60000

50000

40000

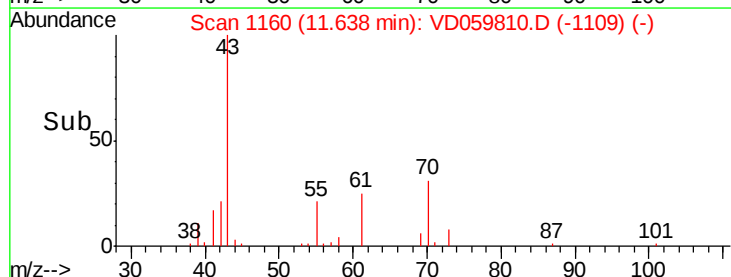
30000

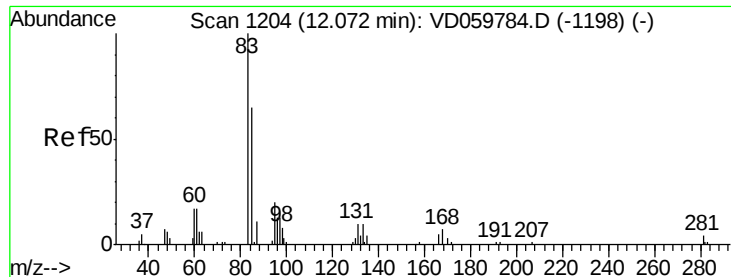
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.748 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

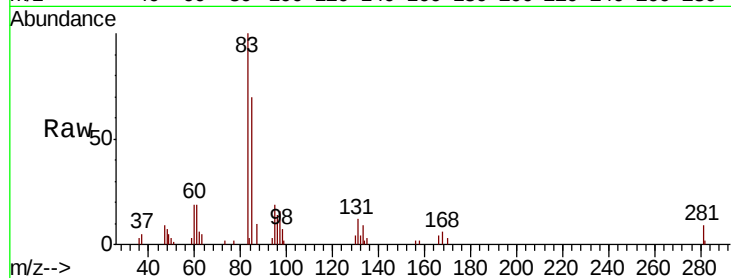
Tgt Ion: 83 Resp: 39292

Ion Ratio Lower Upper

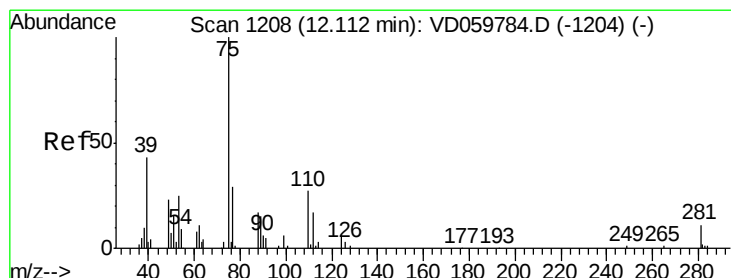
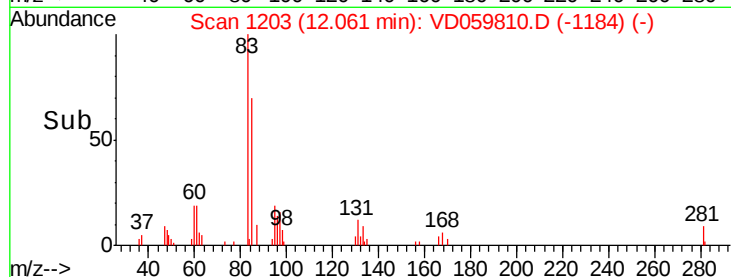
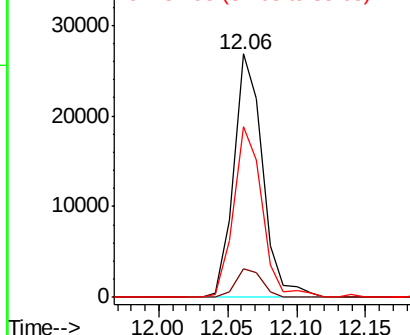
83 100

131 11.9 5.0 15.0

85 70.2 32.8 98.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.497 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059810.D

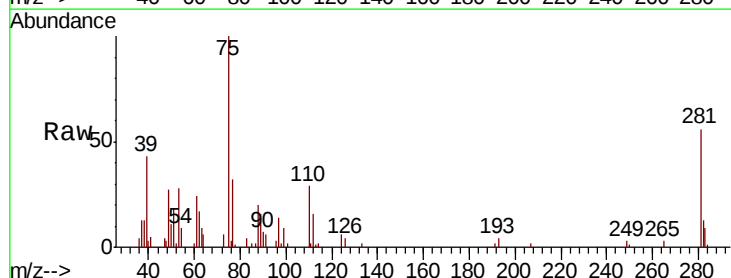
Acq: 16 Aug 2018 14:56

Tgt Ion: 75 Resp: 44999

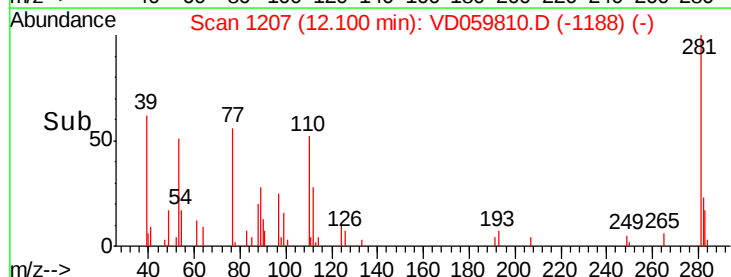
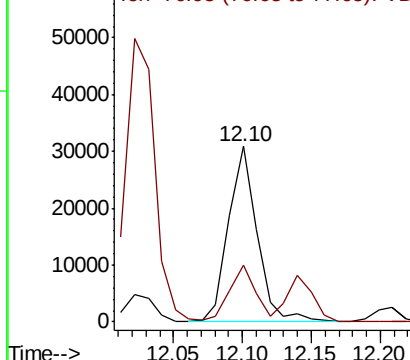
Ion Ratio Lower Upper

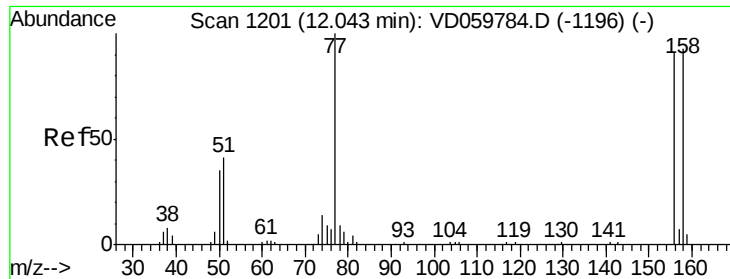
75 100

77 32.3 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.642 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

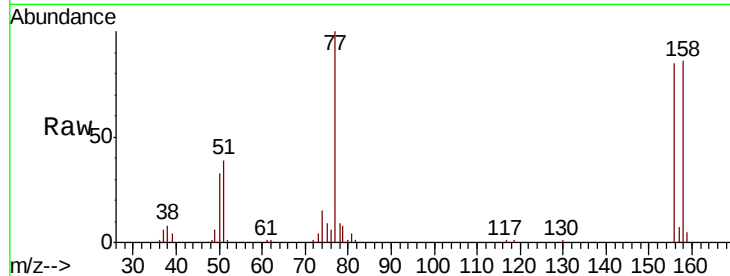
Tgt Ion:156 Resp: 54994

Ion Ratio Lower Upper

156 100

77 117.3 54.9 164.8

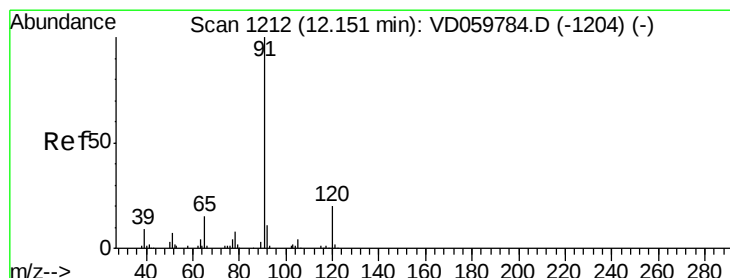
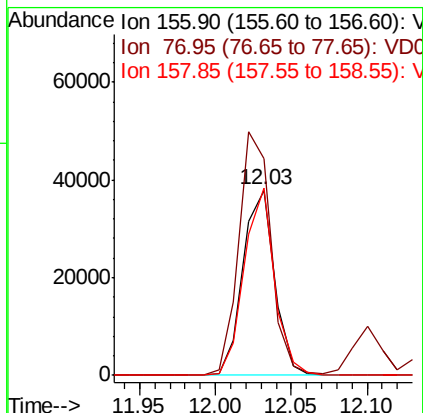
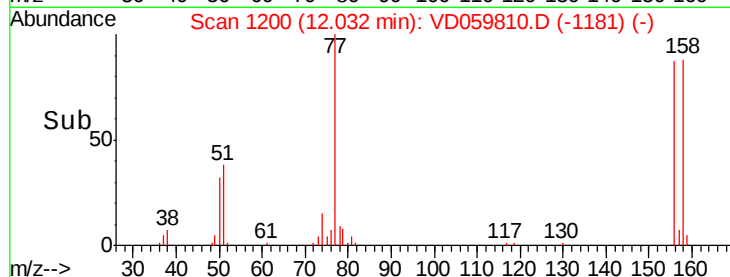
158 101.1 51.2 153.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.214 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD059810.D

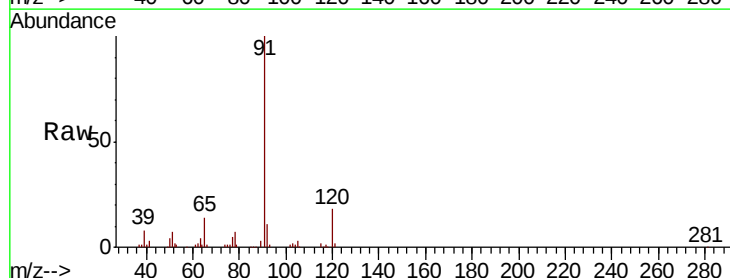
Acq: 16 Aug 2018 14:56

Tgt Ion: 91 Resp: 234830

Ion Ratio Lower Upper

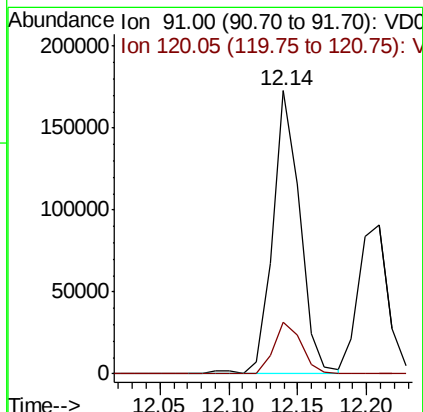
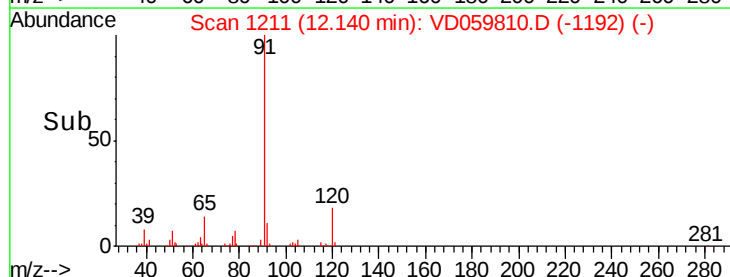
91 100

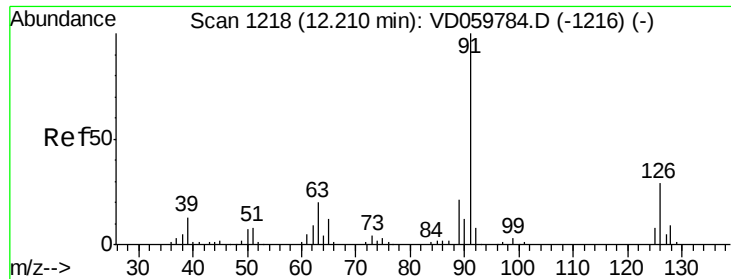
120 18.3 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

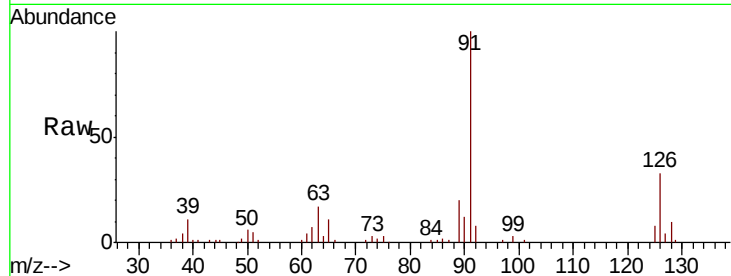




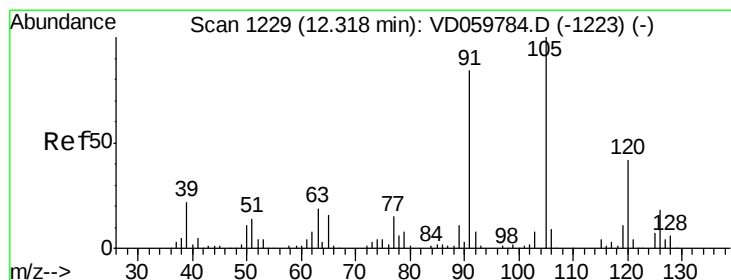
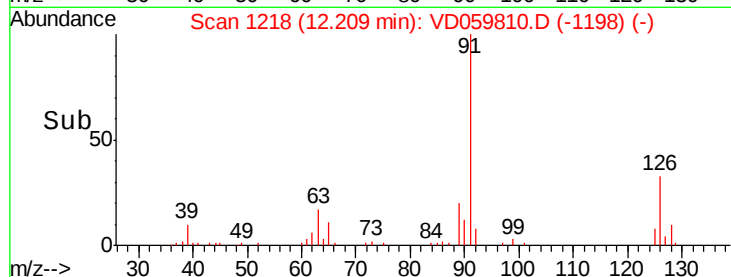
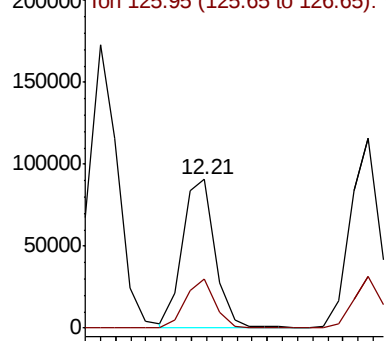
#79
 2-Chlorotoluene
 Concen: 18.493 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Tgt Ion: 91 Resp: 136293
 Ion Ratio Lower Upper
 91 100
 126 32.7 14.0 41.9

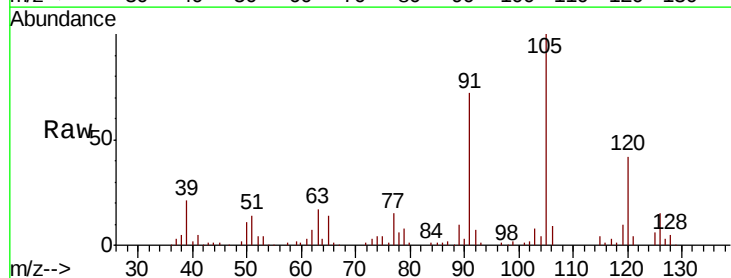


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

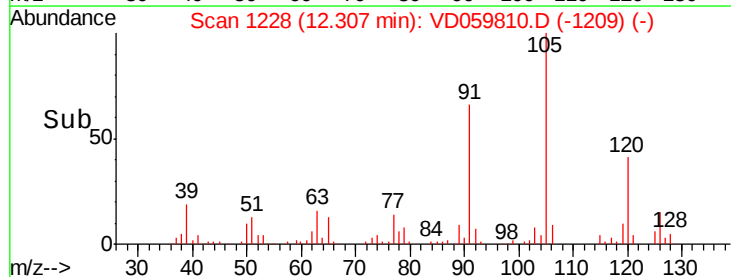
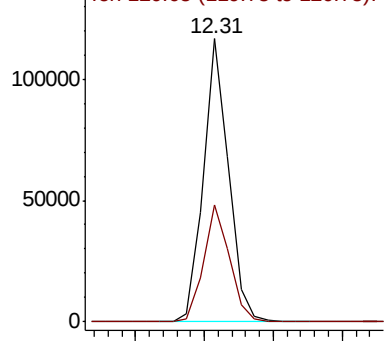


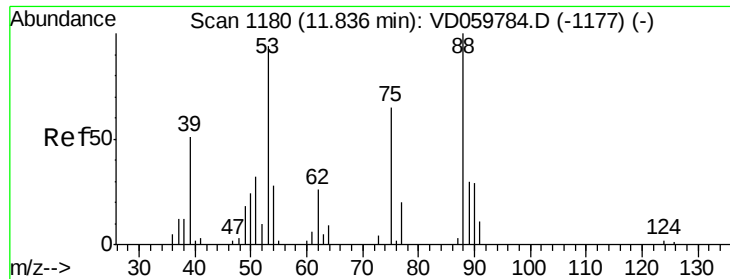
#80
 1,3,5-Trimethylbenzene
 Concen: 18.821 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion: 105 Resp: 147652
 Ion Ratio Lower Upper
 105 100
 120 41.5 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.249 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBSD01

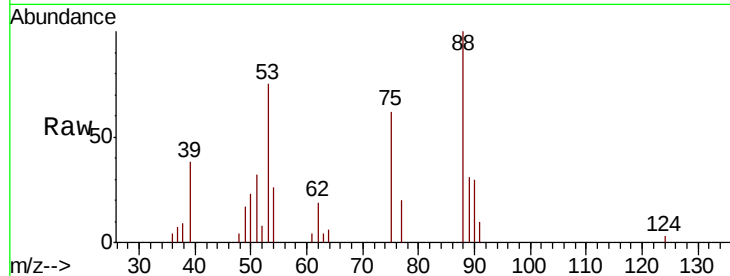
Tgt Ion: 75 Resp: 9887

Ion Ratio Lower Upper

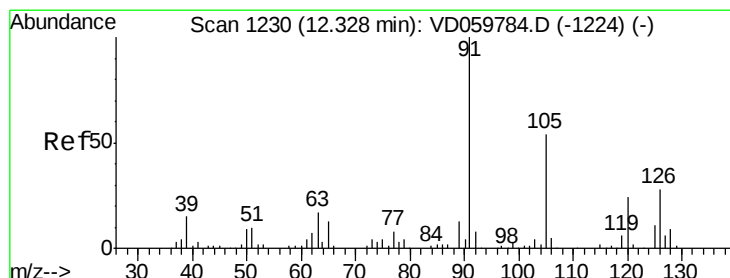
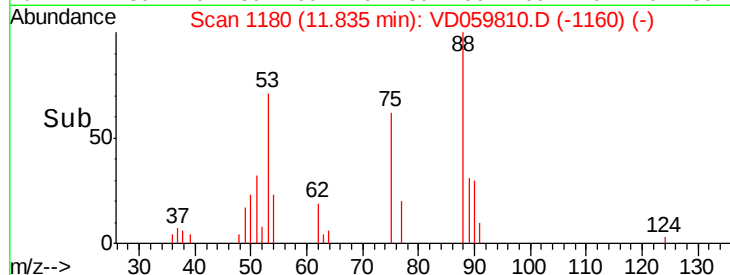
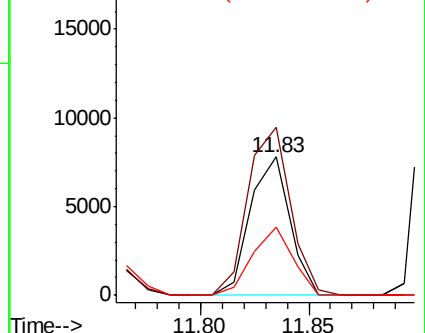
75 100

53 121.4 116.2 174.2

89 49.3 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 18.903 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059810.D

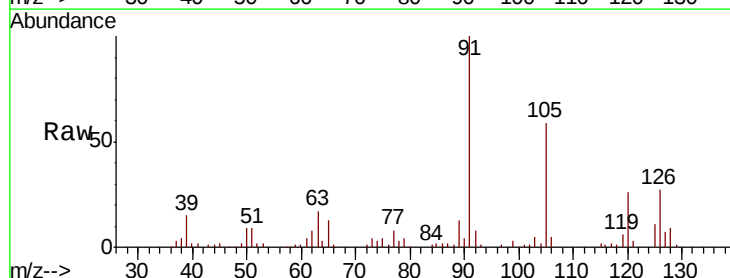
Acq: 16 Aug 2018 14:56

Tgt Ion: 91 Resp: 158129

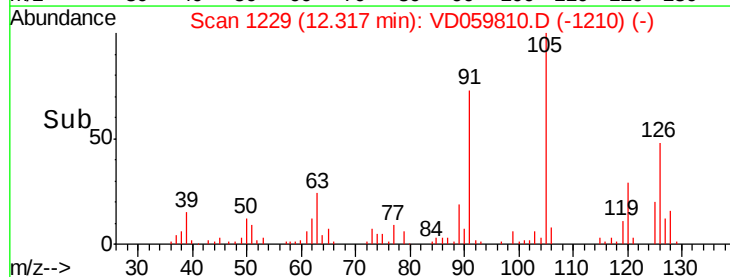
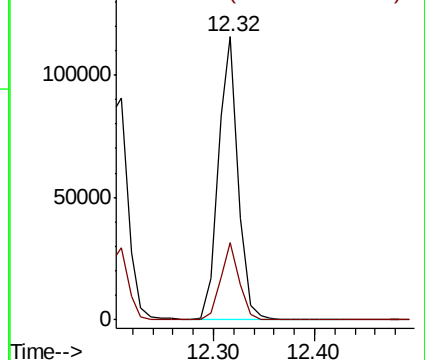
Ion Ratio Lower Upper

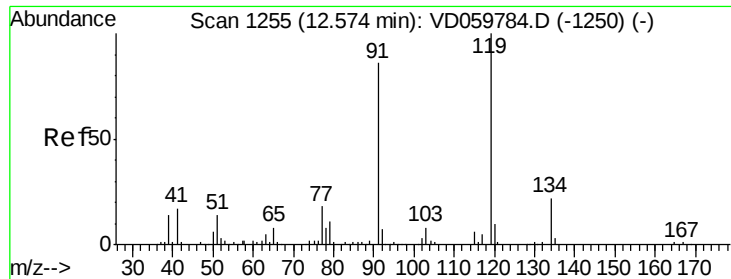
91 100

126 27.4 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

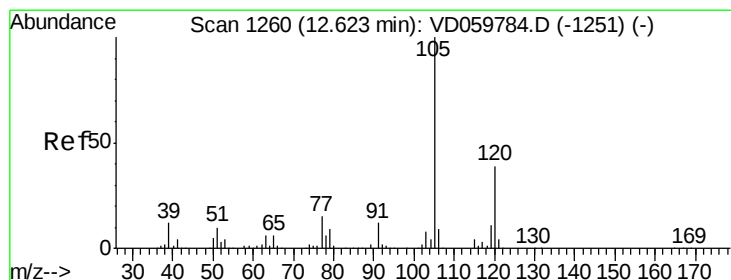
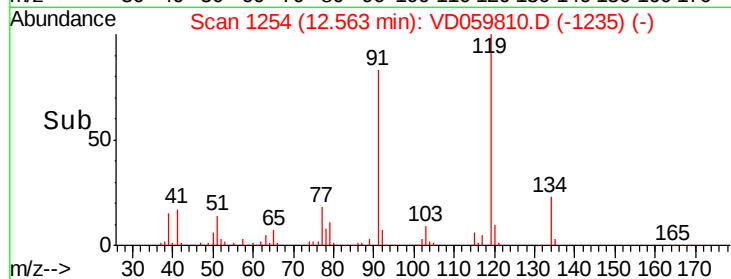
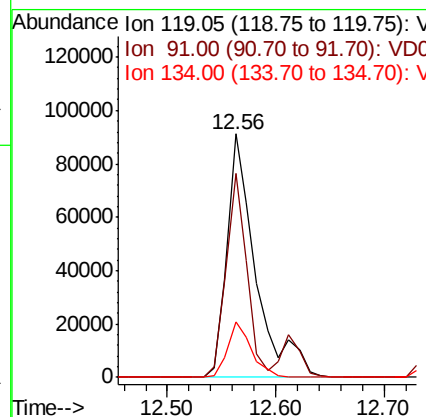
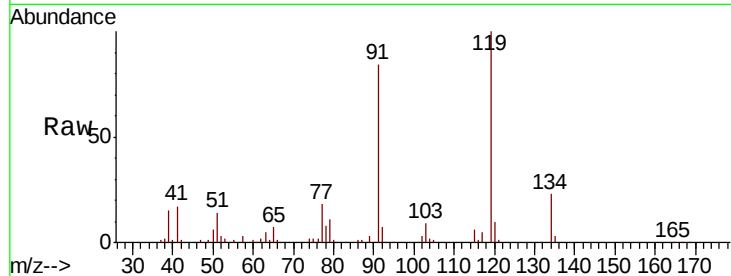




#83
 tert-Butylbenzene
 Concen: 19.292 ug/l
 RT: 12.56 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

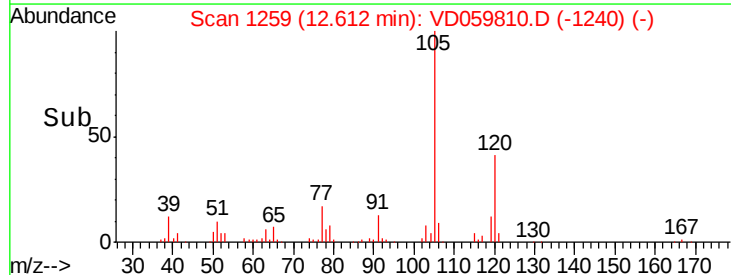
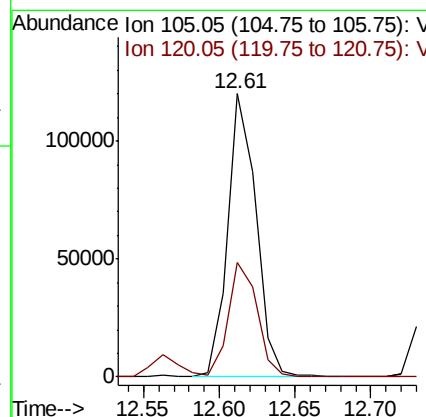
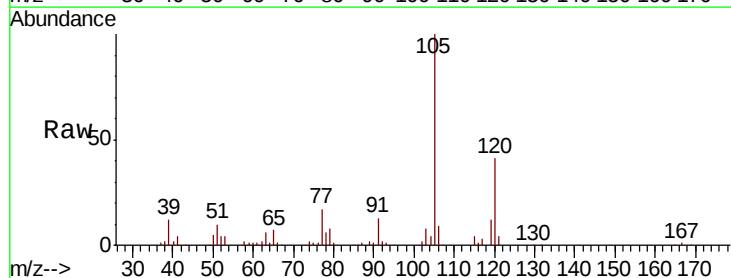
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

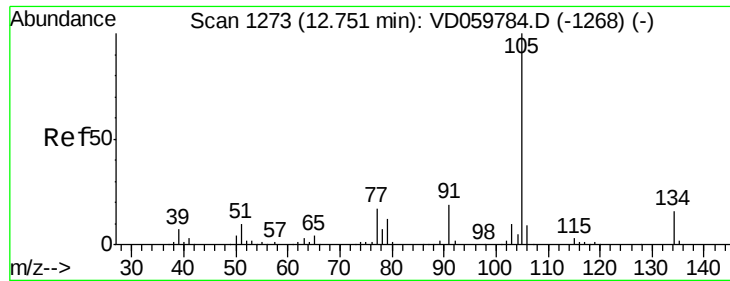
Tgt Ion:119 Resp: 167227
 Ion Ratio Lower Upper
 119 100
 91 83.6 43.1 129.3
 134 22.7 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 18.449 ug/l
 RT: 12.61 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion:105 Resp: 155972
 Ion Ratio Lower Upper
 105 100
 120 40.6 19.6 58.8





#85

sec-Butylbenzene

Concen: 18.800 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

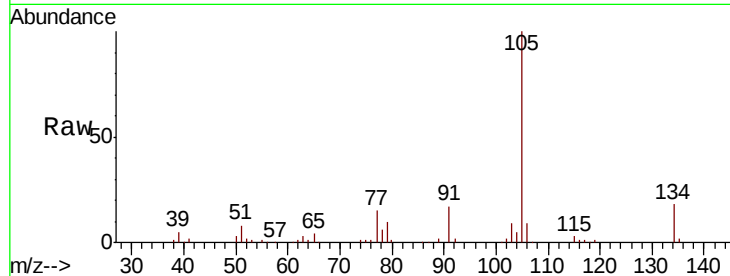
VD0816SBSD01

Tgt Ion:105 Resp: 188889

Ion Ratio Lower Upper

105 100

134 18.0 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.75

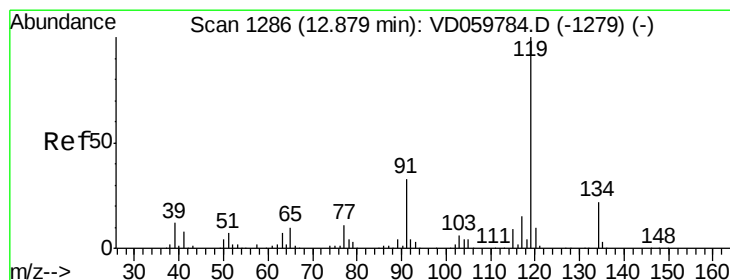
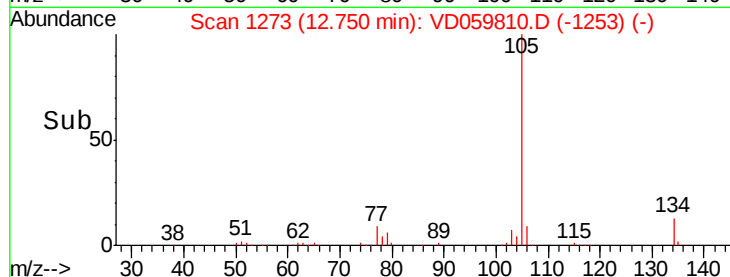
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.665 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059810.D

Acq: 16 Aug 2018 14:56

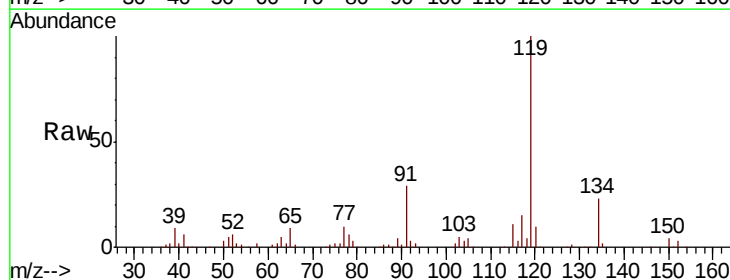
Tgt Ion:119 Resp: 165324

Ion Ratio Lower Upper

119 100

134 23.4 10.9 32.6

91 28.5 16.4 49.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.88

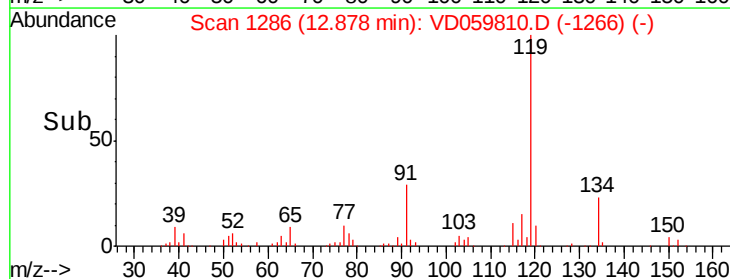
150000

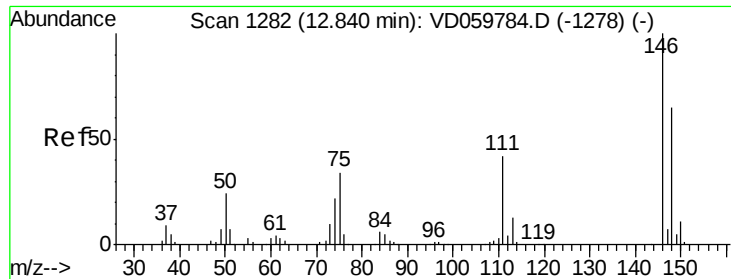
100000

50000

0

Time-->

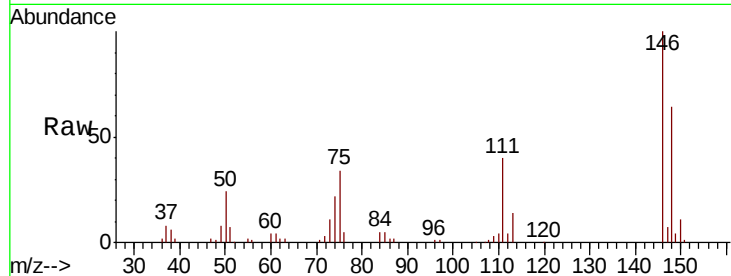




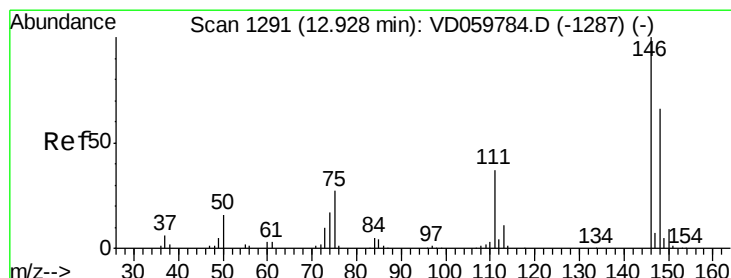
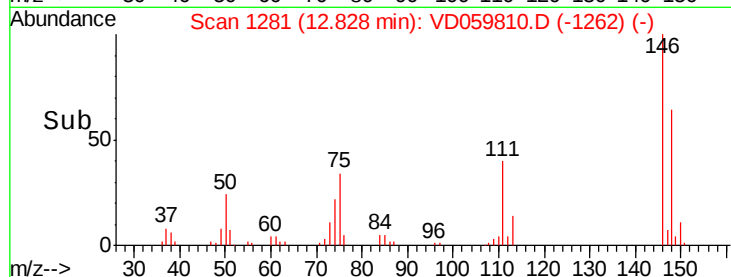
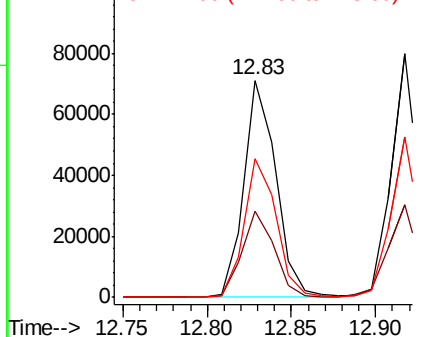
#87
 1,3-Dichlorobenzene
 Concen: 18.757 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

Tgt Ion:146 Resp: 94166
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.9 62.8
 148 63.6 32.6 97.8

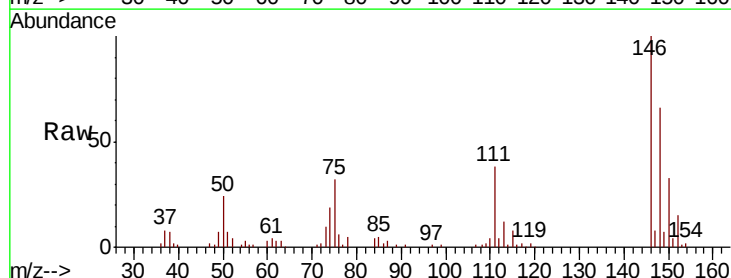


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

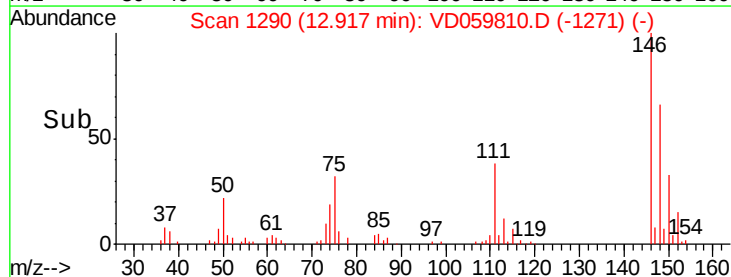
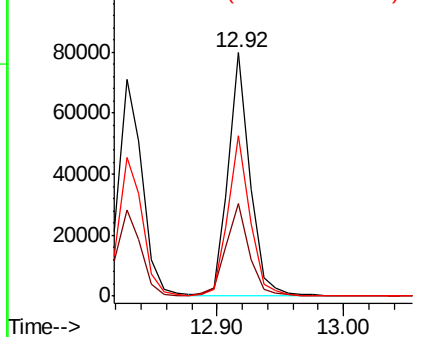


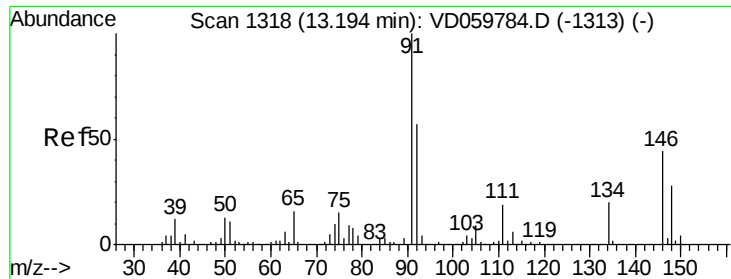
#88
 1,4-Dichlorobenzene
 Concen: 19.068 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion:146 Resp: 94909
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.6 55.6
 148 66.0 33.0 99.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

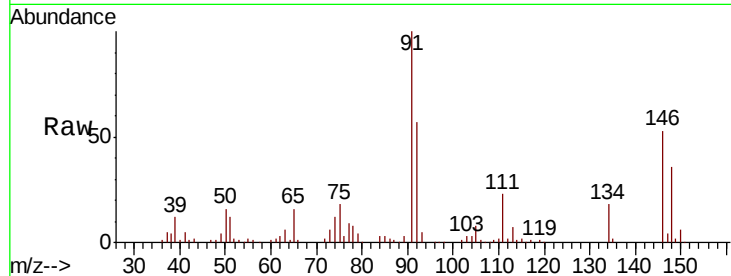




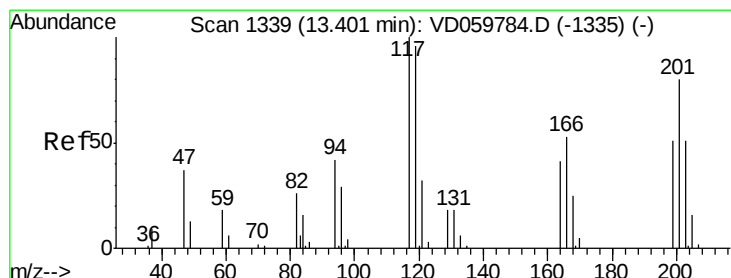
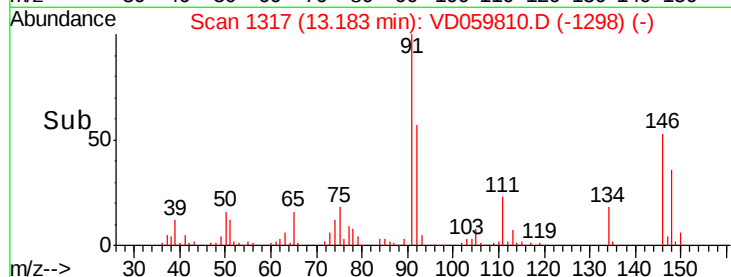
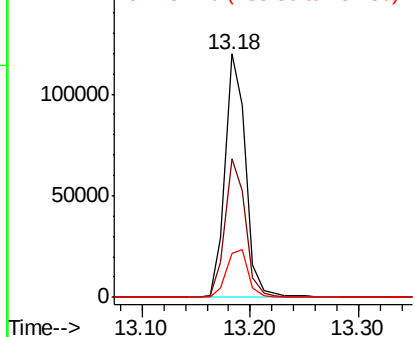
#89
n-Butylbenzene
Concen: 18.628 ug/l
RT: 13.18 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

Tgt Ion: 91 Resp: 158339
Ion Ratio Lower Upper
91 100
92 57.0 28.4 85.3
134 18.3 10.2 30.4

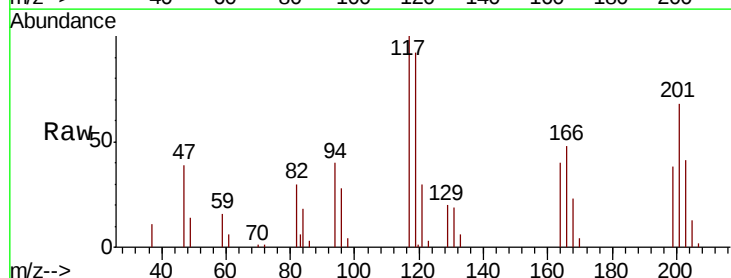


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

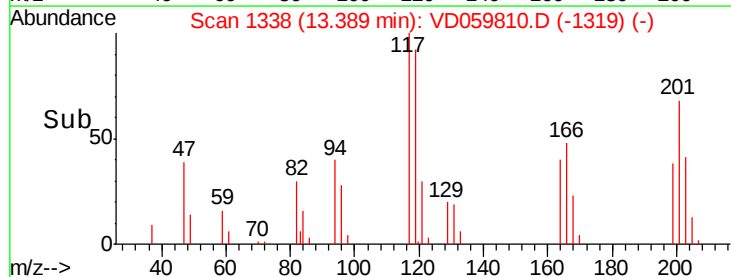
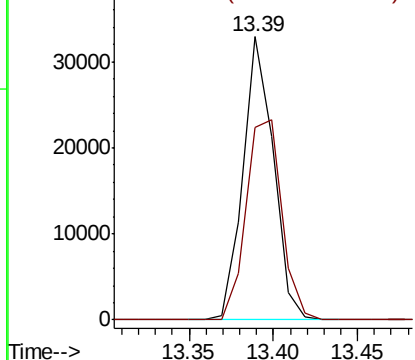


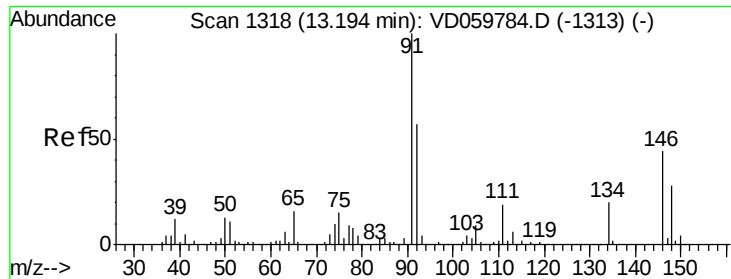
#90
Hexachloroethane
Concen: 19.465 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion: 117 Resp: 41064
Ion Ratio Lower Upper
117 100
201 68.2 39.9 119.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

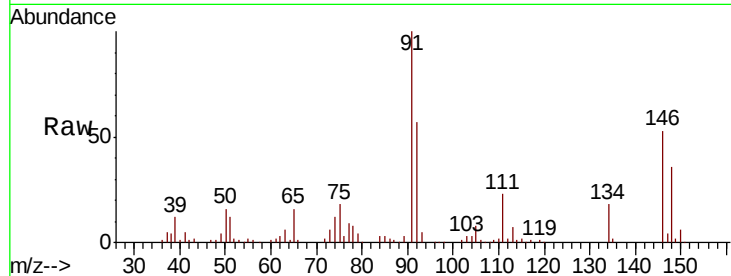




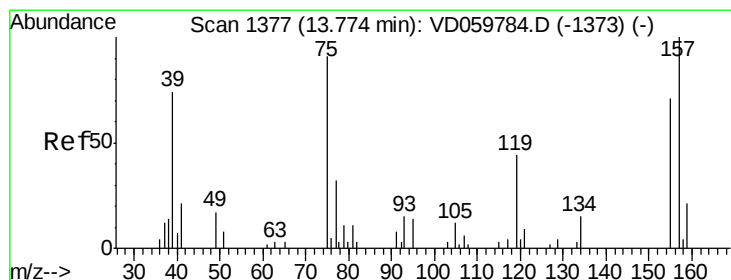
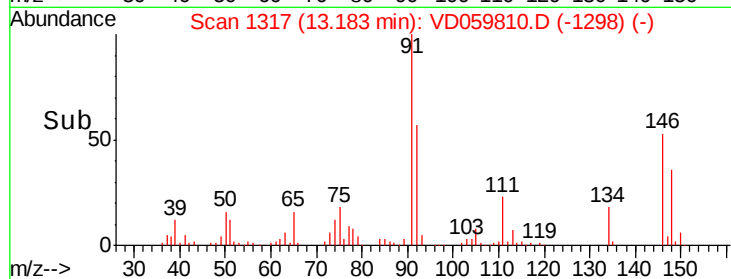
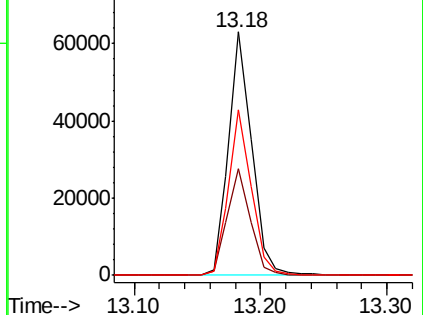
#91
 1,2-Dichlorobenzene
 Concen: 19.432 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

Tgt Ion: 146 Resp: 80241
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.1 63.1
 148 68.2 32.0 96.2

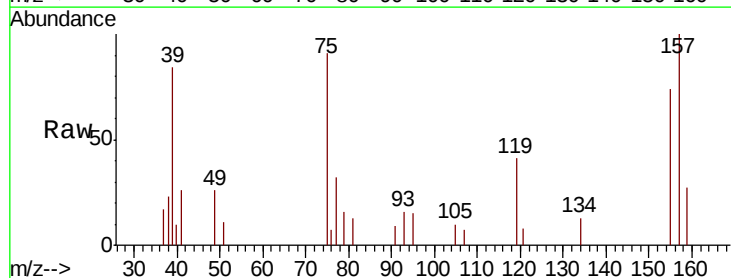


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

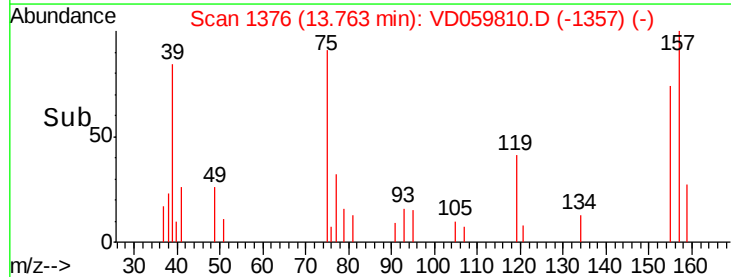
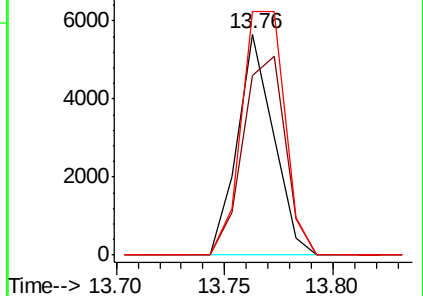


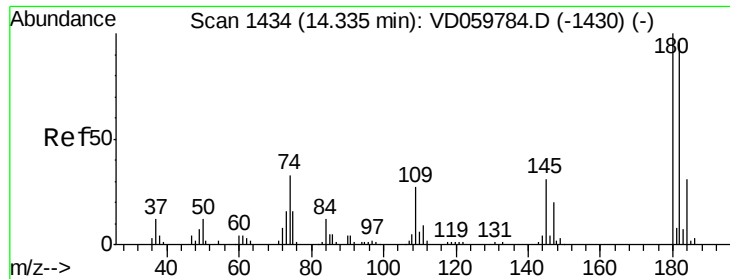
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.520 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion: 75 Resp: 6574
 Ion Ratio Lower Upper
 75 100
 155 81.4 39.0 117.0
 157 110.4 54.8 164.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

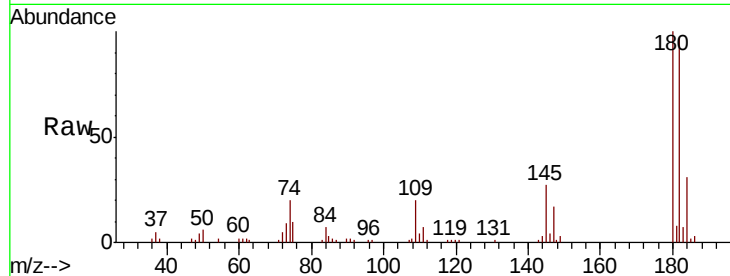




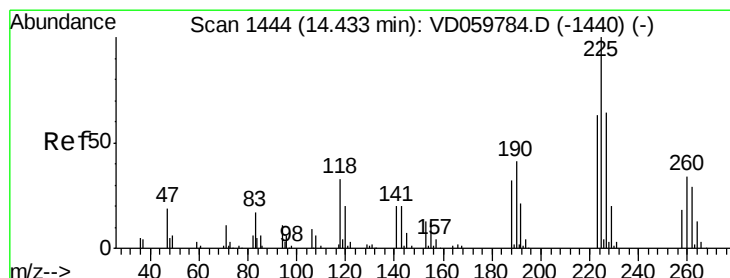
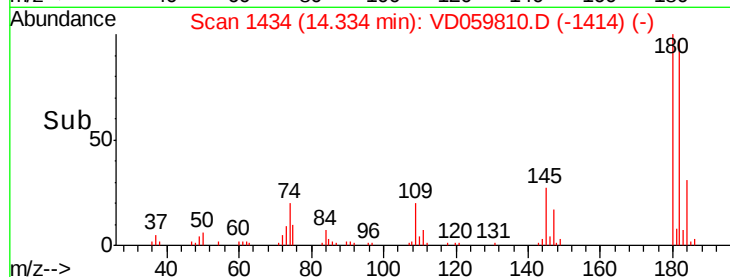
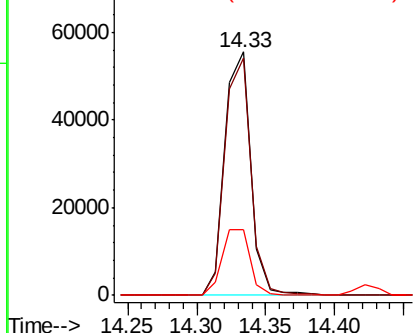
#93
 1,2,4-Trichlorobenzene
 Concen: 21.030 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBSD01

Tgt Ion:180 Resp: 72610
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.0 144.0
 145 27.2 15.5 46.5

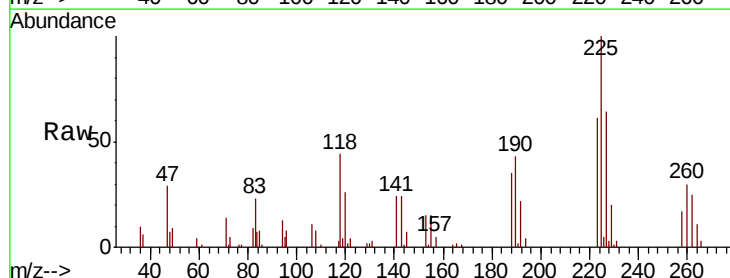


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

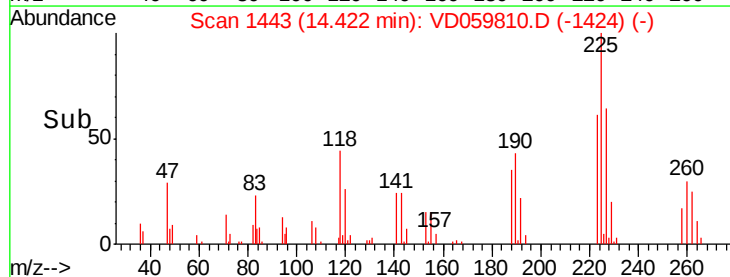
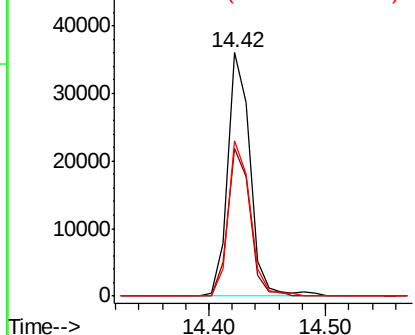


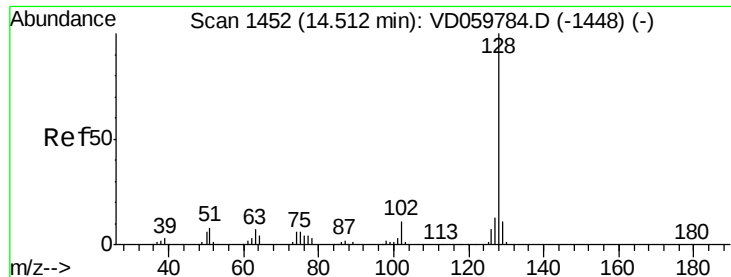
#94
 Hexachlorobutadiene
 Concen: 18.888 ug/l
 RT: 14.42 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059810.D
 Acq: 16 Aug 2018 14:56

Tgt Ion:225 Resp: 48139
 Ion Ratio Lower Upper
 225 100
 223 60.7 31.4 94.2
 227 63.7 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

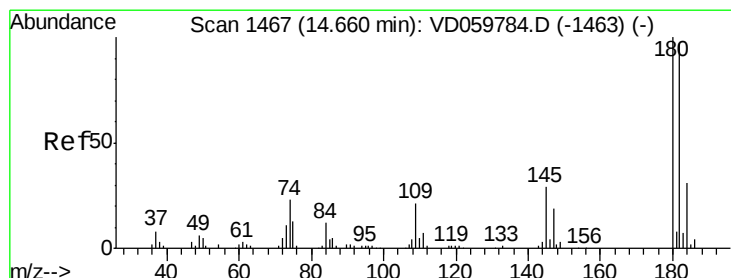
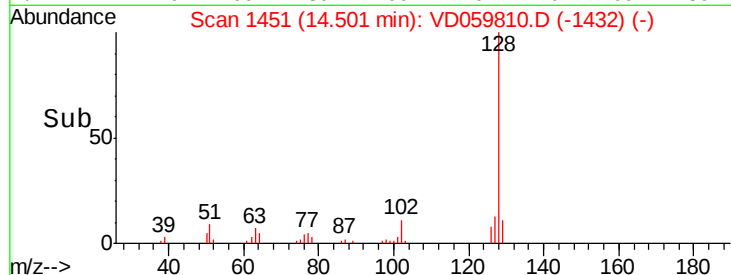
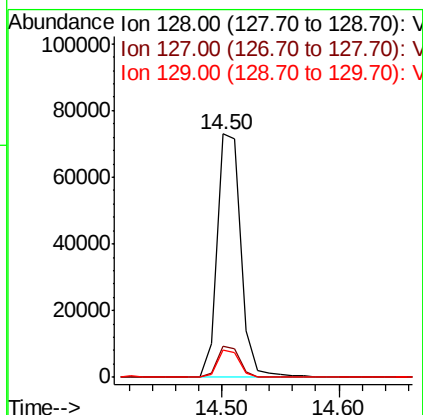
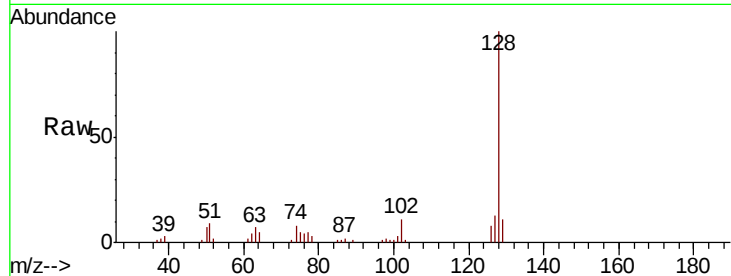




#95
Naphthalene
Concen: 19.380 ug/l
RT: 14.50 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBSD01

Tgt Ion:128 Resp: 102446
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 19.209 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD059810.D
Acq: 16 Aug 2018 14:56

Tgt Ion:180 Resp: 58524
Ion Ratio Lower Upper
180 100
182 96.3 48.5 145.5
145 31.2 14.3 42.9

