

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059766.D
 Acq On : 14 Aug 2018 14:56
 Operator : VA/AP
 Sample : VD0814SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Quant Time: Aug 14 15:33:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	248305	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.69	114	331481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	270194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	149571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	171927	44.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.48%	
35) Dibromofluoromethane	5.55	113	150127	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
50) Toluene-d8	8.70	98	351015	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.93	95	162091	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	62024	16.70	ug/l	92
3) Chloromethane	1.48	50	35097	24.94	ug/l	99
4) Vinyl Chloride	1.55	62	35810	20.15	ug/l #	88
5) Bromomethane	1.78	94	8842	11.85	ug/l	98
6) Chloroethane	1.87	64	12386	13.54	ug/l	99
7) Trichlorofluoromethane	2.07	101	56014	14.69	ug/l	99
8) Diethyl Ether	2.35	74	10839	17.60	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.54	101	33494	17.13	ug/l	92
10) Methyl Iodide	2.69	142	31679	15.67	ug/l	99
11) Tert butyl alcohol	3.27	59	12395	92.03	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	24052	17.21	ug/l	97
13) Acrolein	2.47	56	8566	106.78	ug/l	83
14) Allyl chloride	2.92	41	57910	18.75	ug/l	88
15) Acrylonitrile	3.35	53	43930	131.94	ug/l	91
16) Acetone	2.61	43	54369	85.63	ug/l	95
17) Carbon Disulfide	2.75	76	74523	15.90	ug/l	98
18) Methyl Acetate	2.94	43	19729	16.37	ug/l	99
19) Methyl tert-butyl Ether	3.41	73	113517	20.75	ug/l	94
20) Methylene Chloride	3.07	84	32183	17.56	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	47588	26.85	ug/l	82
22) Diisopropyl ether	4.07	45	151323	25.91	ug/l #	82
23) Vinyl Acetate	4.01	43	450069	113.86	ug/l	99
24) 1,1-Dichloroethane	3.97	63	93463	21.66	ug/l	99
25) 2-Butanone	4.84	43	75771	111.03	ug/l	99
26) 2,2-Dichloropropane	4.80	77	93307	18.50	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	52698	24.58	ug/l	75
28) Bromochloromethane	5.14	49	38778	24.96	ug/l	89
29) Tetrahydrofuran	5.18	42	34033	133.38	ug/l	98
30) Chloroform	5.32	83	110709	19.43	ug/l	98
31) Cyclohexane	5.59	56	65640	26.21	ug/l	92
32) 1,1,1-Trichloroethane	5.51	97	97289	16.47	ug/l	97
36) 1,1-Dichloropropene	5.74	75	71479	18.58	ug/l	93
37) Ethyl Acetate	4.93	43	37212	21.99	ug/l #	93
38) Carbon Tetrachloride	5.72	117	87596	14.47	ug/l	97

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 Sample : VD0814SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0814SBSD01

Quant Time: Aug 14 15:33:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	61841	21.69	ug/l	96
40) Benzene	6.01	78	150586	22.46	ug/l	99
41) Methacrylonitrile	5.12	41	17364	21.83	ug/l #	83
42) 1,2-Dichloroethane	6.13	62	81635	15.35	ug/l	96
43) Isopropyl Acetate	7.61	43	46219	21.68	ug/l	95
44) Trichloroethene	6.98	130	51629	19.09	ug/l	98
45) 1,2-Dichloropropane	7.35	63	39811	23.31	ug/l	99
46) Dibromomethane	7.45	93	32641	18.00	ug/l	94
47) Bromodichloromethane	7.74	83	79135	16.51	ug/l #	97
48) Methyl methacrylate	7.50	41	28782	18.50	ug/l	89
49) 1,4-Dioxane	7.49	88	5149	468.08	ug/l #	87
51) 4-Methyl-2-Pentanone	8.59	43	151149	91.98	ug/l	92
52) Toluene	8.80	92	98569	22.86	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	65872	17.11	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	70096	18.97	ug/l #	84
55) 1,1,2-Trichloroethane	9.45	97	33249	19.56	ug/l	98
56) Ethyl methacrylate	9.31	69	38460	19.85	ug/l #	80
57) 1,3-Dichloropropane	9.67	76	56683	20.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	100981	112.55	ug/l	98
59) 2-Hexanone	9.79	43	118380	96.27	ug/l	91
60) Dibromochloromethane	9.96	129	52329	15.95	ug/l	96
61) 1,2-Dibromoethane	10.09	107	38278	18.00	ug/l	96
64) Tetrachloroethene	9.51	164	48151	18.16	ug/l	90
65) Chlorobenzene	10.72	112	113574	20.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	48267	17.28	ug/l	95
67) Ethyl Benzene	10.86	91	214237	20.73	ug/l	94
68) m/p-Xylenes	11.01	106	140836	42.52	ug/l	87
69) o-Xylene	11.41	106	67558	20.97	ug/l	81
70) Styrene	11.43	104	117799	22.33	ug/l	95
71) Bromoform	11.60	173	34826	16.49	ug/l #	96
73) Isopropylbenzene	11.77	105	208968	20.56	ug/l	95
74) N-amyl acetate	11.64	43	61494	21.11	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	42085	22.70	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	45628	20.62	ug/l	100
77) Bromobenzene	12.04	156	60021	20.23	ug/l	92
78) n-propylbenzene	12.16	91	268338	21.74	ug/l	97
79) 2-Chlorotoluene	12.21	91	157799	20.19	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	170108	19.32	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.84	75	10877	21.83	ug/l #	70
82) 4-Chlorotoluene	12.32	91	182783	19.84	ug/l	98
83) tert-Butylbenzene	12.58	119	189589	19.80	ug/l	85
84) 1,2,4-Trimethylbenzene	12.63	105	182129	20.05	ug/l	89
85) sec-Butylbenzene	12.76	105	219726	21.59	ug/l	96
86) p-Isopropyltoluene	12.88	119	185134	20.18	ug/l	93
87) 1,3-Dichlorobenzene	12.84	146	107774	21.45	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	100138	19.94	ug/l	99
89) n-Butylbenzene	13.20	91	194149	21.41	ug/l	97
90) Hexachloroethane	13.40	117	44868	18.86	ug/l	74
91) 1,2-Dichlorobenzene	13.19	146	92919	21.77	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7465	16.16	ug/l	82

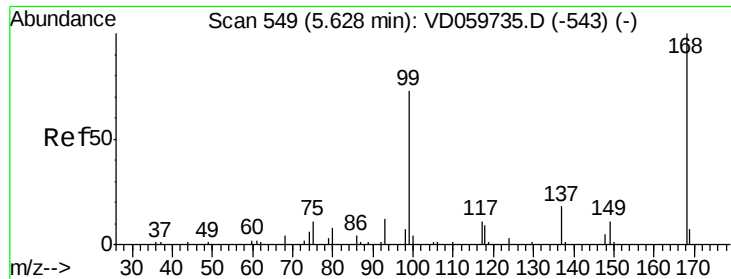
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
Data File : VD059766.D
Acq On : 14 Aug 2018 14:56
Operator : VA/AP
Sample : VD0814SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Quant Time: Aug 14 15:33:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 11 05:42:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	74779	18.45	ug/l	95
94) Hexachlorobutadiene	14.44	225	56451	16.62	ug/l	96
95) Naphthalene	14.52	128	107225	19.65	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	62593	18.07	ug/l	98

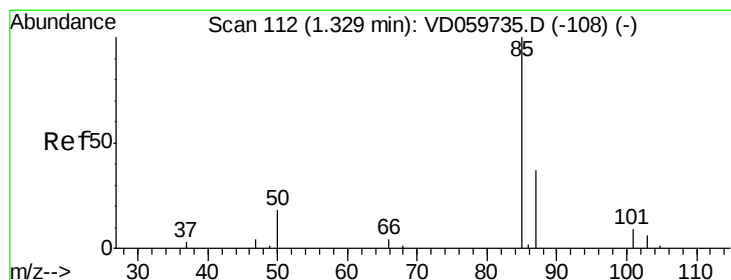
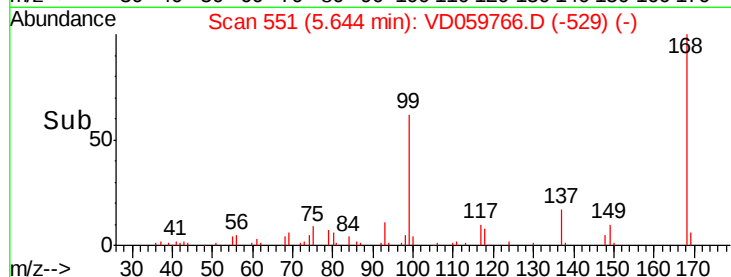
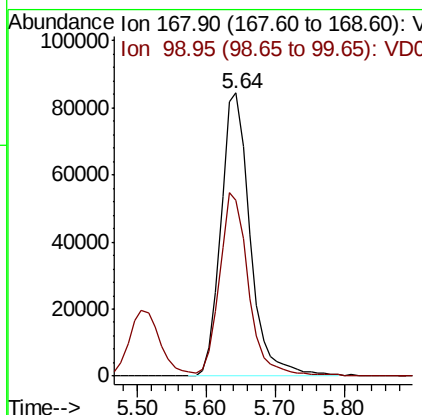
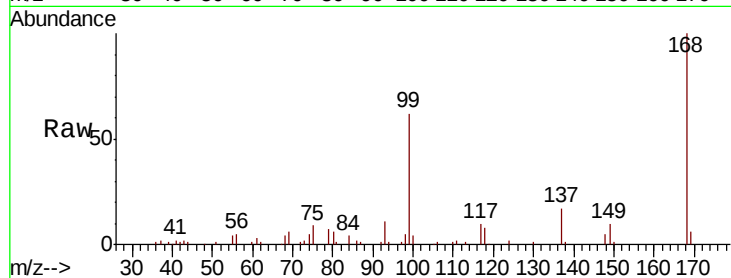
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.02 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

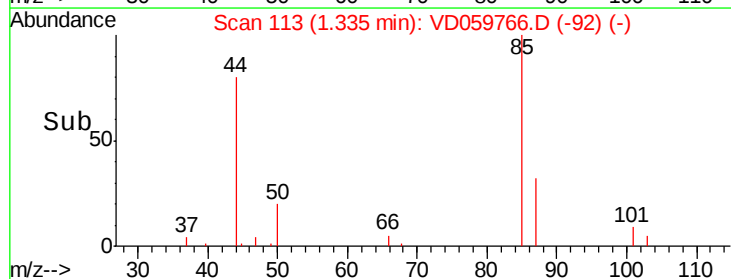
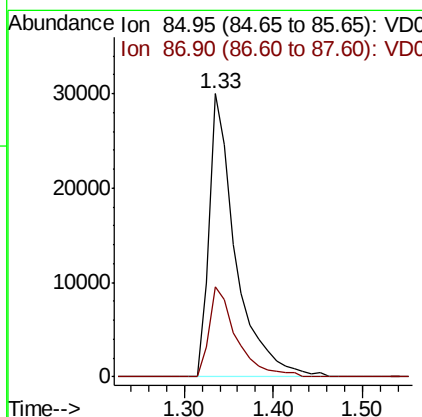
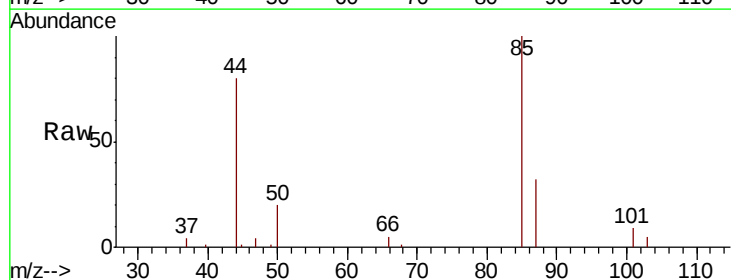
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

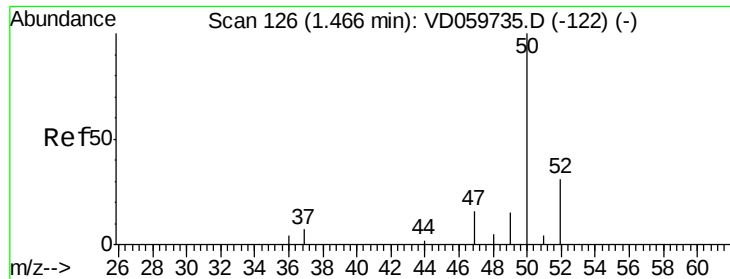
Tot Ion:168 Resp: 248305
Ion Ratio Lower Upper
168 100
99 62.2 61.4 92.2



#2
Dichlorodifluoromethane
Concen: 16.70 ug/l
RT: 1.33 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 85 Resp: 62024
Ion Ratio Lower Upper
85 100
87 32.0 18.3 54.8

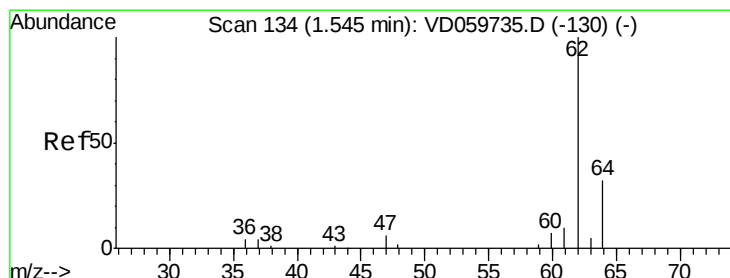
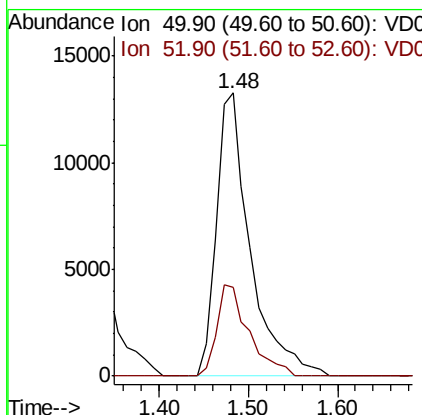
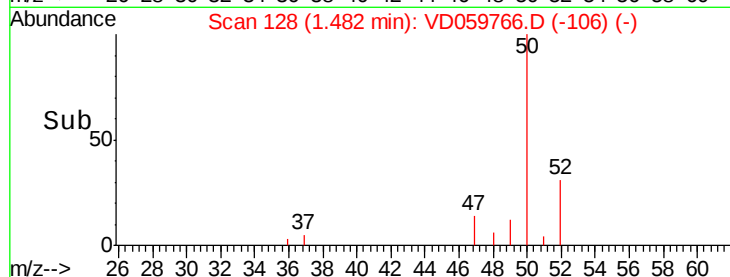
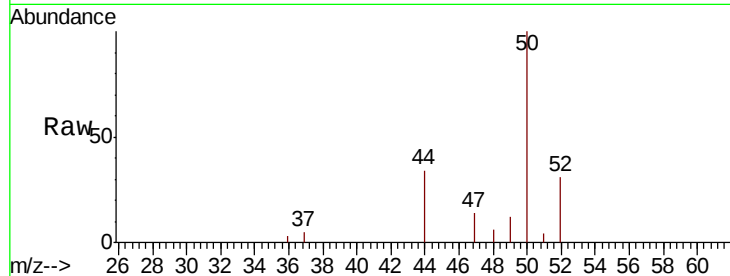




#3
 Chloromethane
 Concen: 24.94 ug/l
 RT: 1.48 min Scan# 128
 Delta R.T. 0.02 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

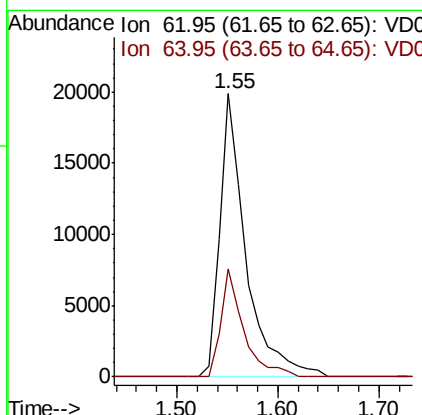
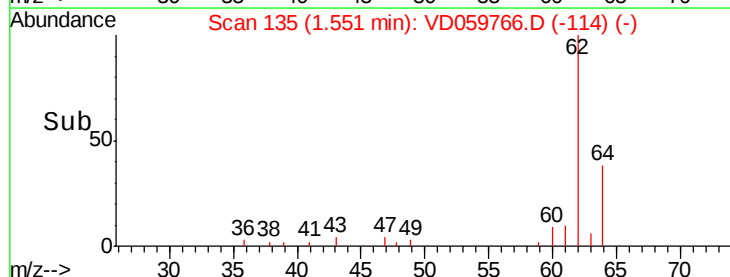
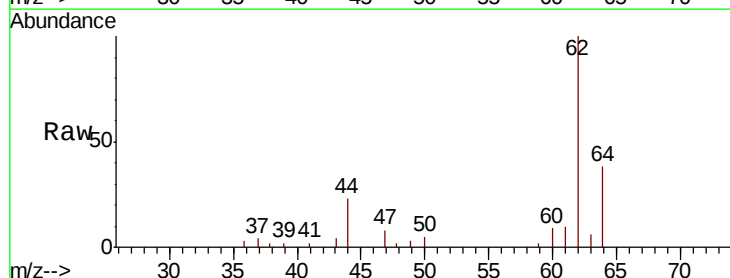
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

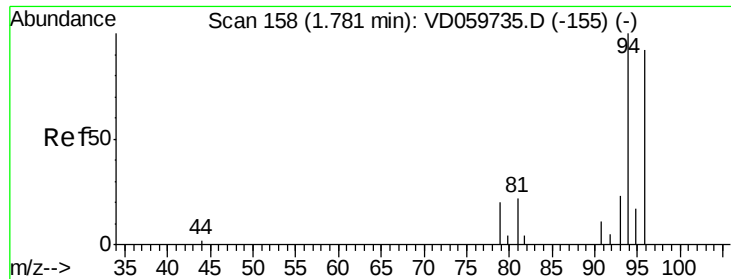
Tot Ion: 50 Resp: 35097
 Ion Ratio Lower Upper
 50 100
 52 31.5 24.8 37.2



#4
 Vinyl Chloride
 Concen: 20.15 ug/l
 RT: 1.55 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion: 62 Resp: 35810
 Ion Ratio Lower Upper
 62 100
 64 38.2 25.3 37.9#





#5

Bromomethane

Concen: 11.85 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.00 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

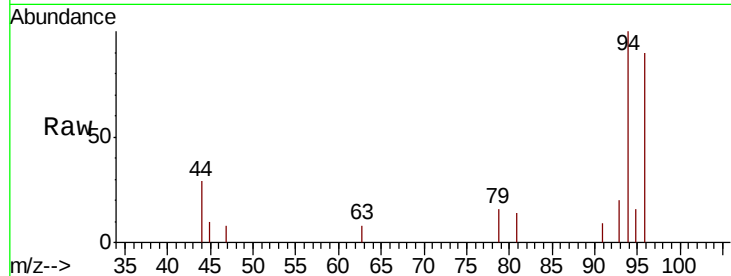
VD0814SBSD01

Tot Ion: 94 Resp: 8842

Ion Ratio Lower Upper

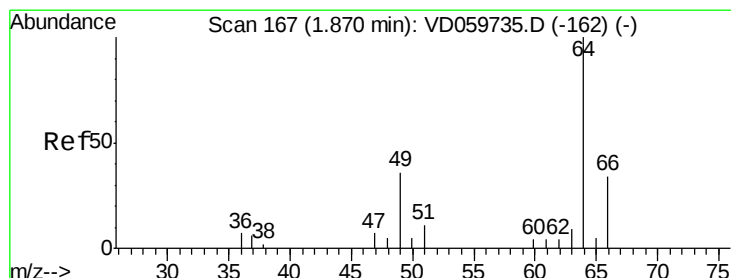
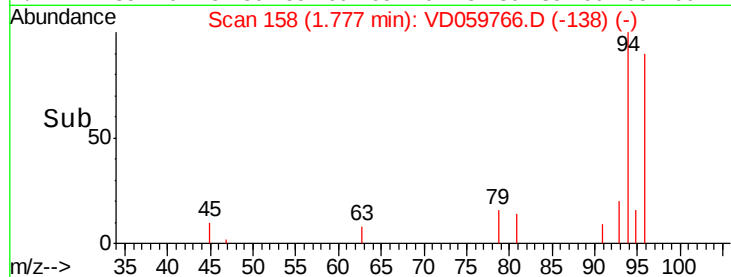
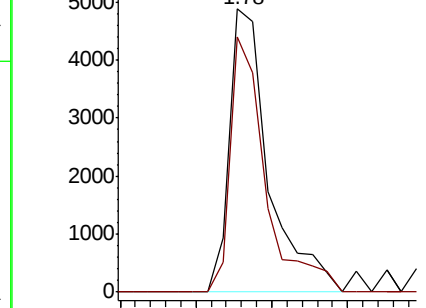
94 100

96 90.0 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 13.54 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD059766.D

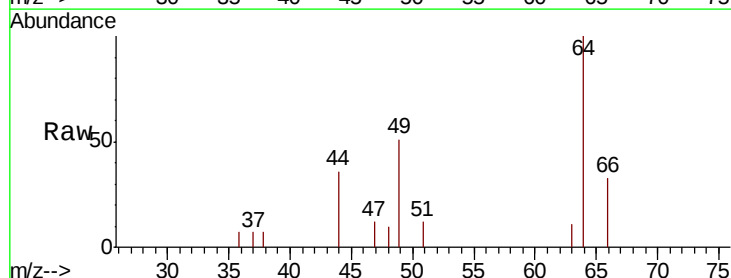
Acq: 14 Aug 2018 14:56

Tgt Ion: 64 Resp: 12386

Ion Ratio Lower Upper

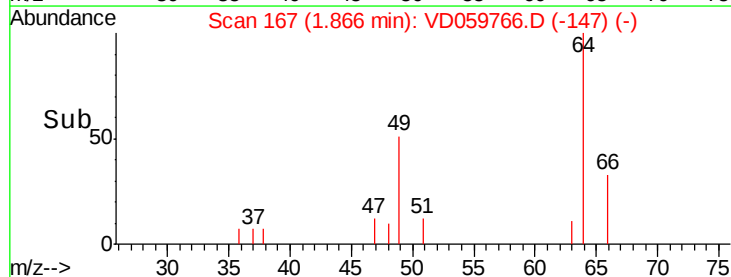
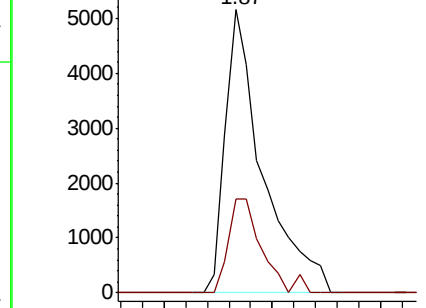
64 100

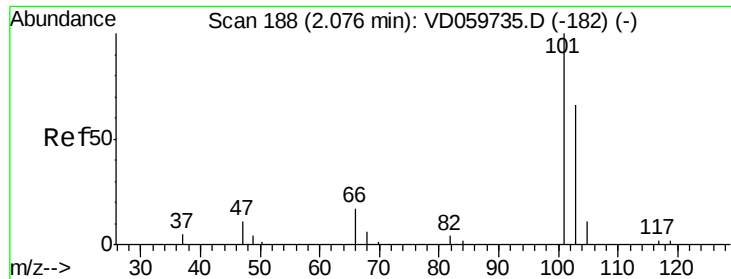
66 33.3 26.9 40.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



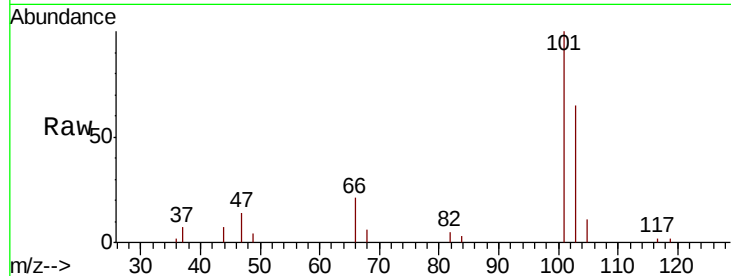


#7

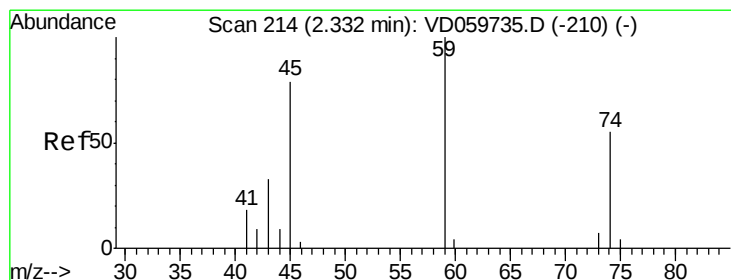
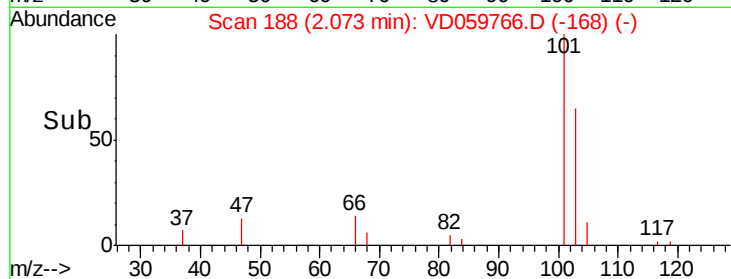
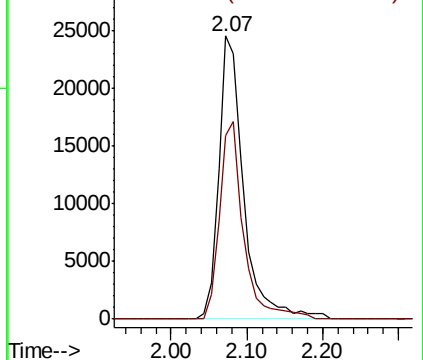
Trichlorofluoromethane
 Concen: 14.69 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion:101 Resp: 56014
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.4 78.6



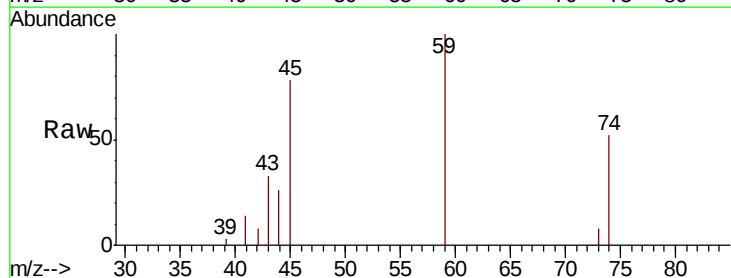
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



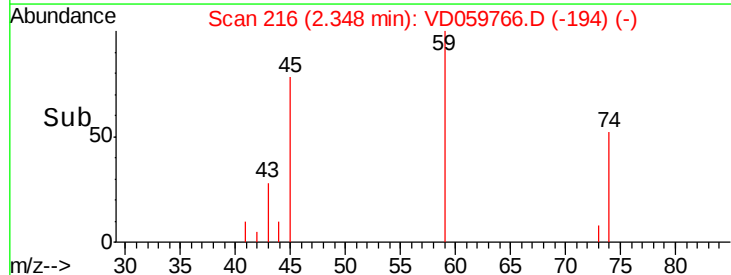
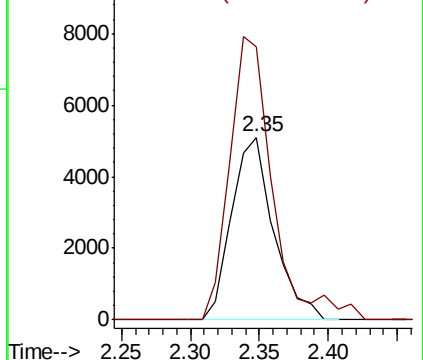
#8

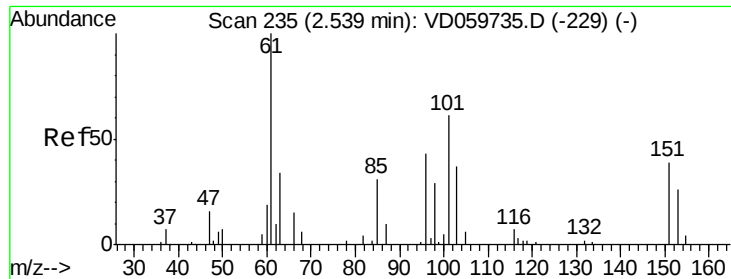
Diethyl Ether
 Concen: 17.60 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.02 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion: 74 Resp: 10839
 Ion Ratio Lower Upper
 74 100
 45 149.9 71.1 213.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.13 ug/l

RT: 2.54 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

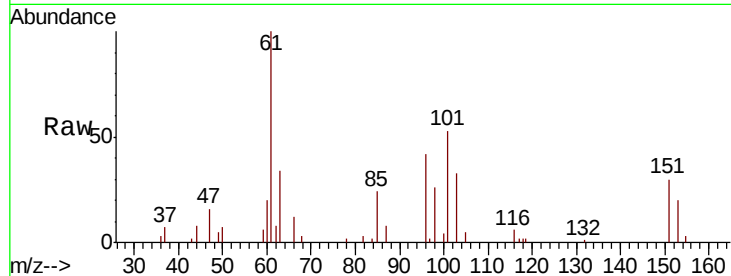
Tot Ion:101 Resp: 33494

Ion Ratio Lower Upper

101 100

85 44.6 39.7 59.5

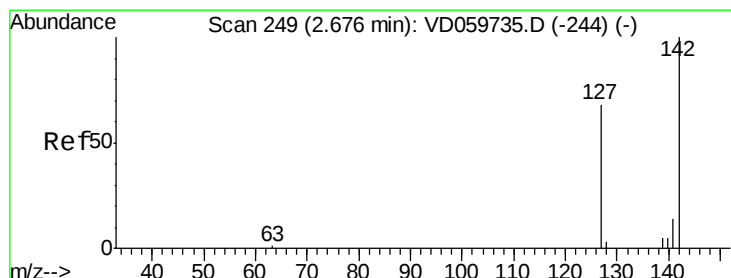
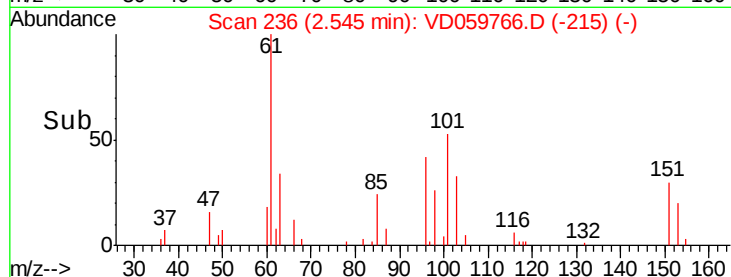
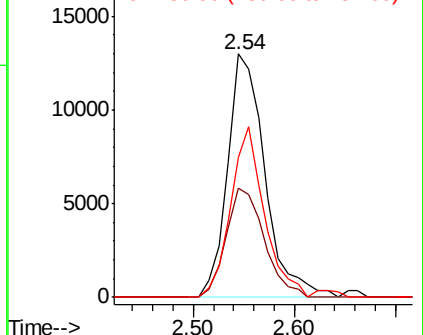
151 57.5 50.8 76.2



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: 15.67 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.02 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

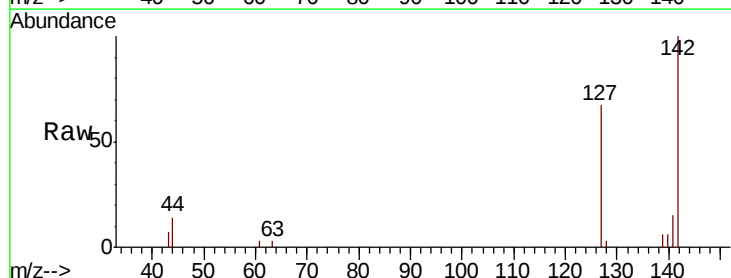
Tgt Ion:142 Resp: 31679

Ion Ratio Lower Upper

142 100

127 67.2 54.0 81.0

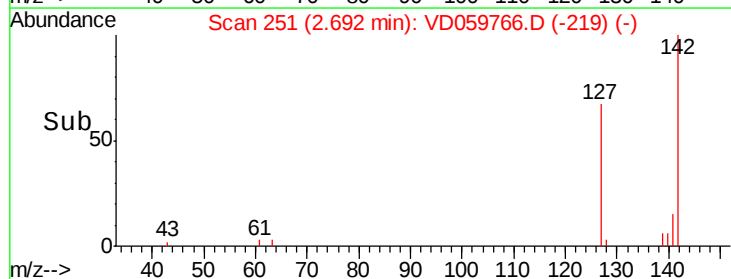
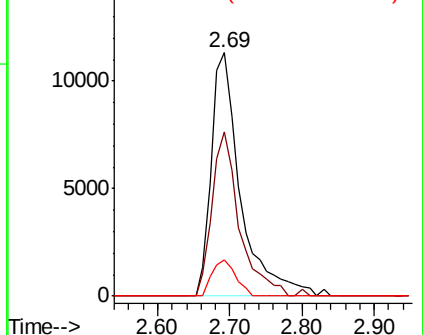
141 14.6 11.0 16.4

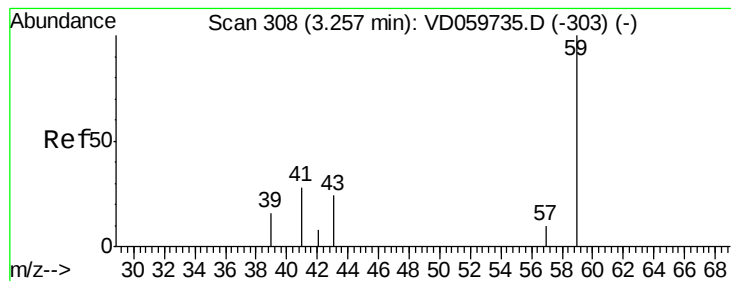


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



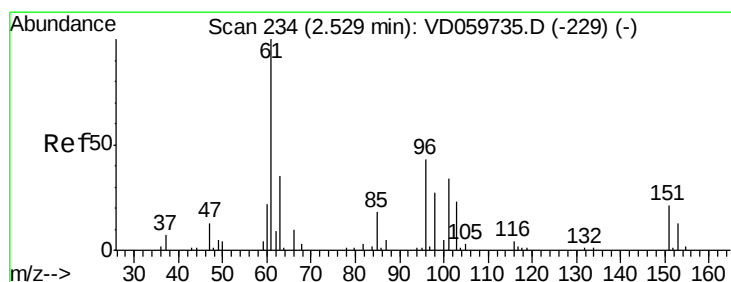
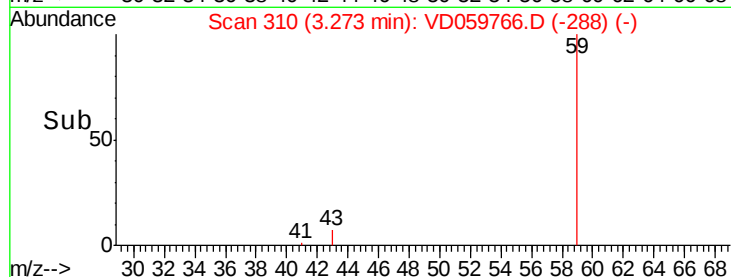
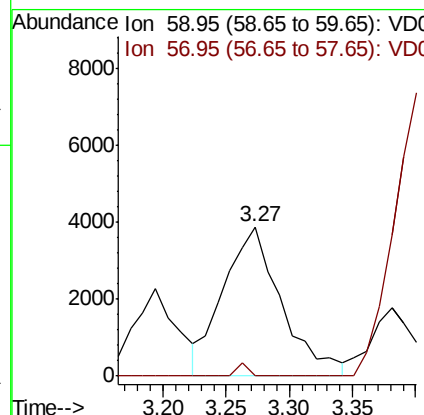
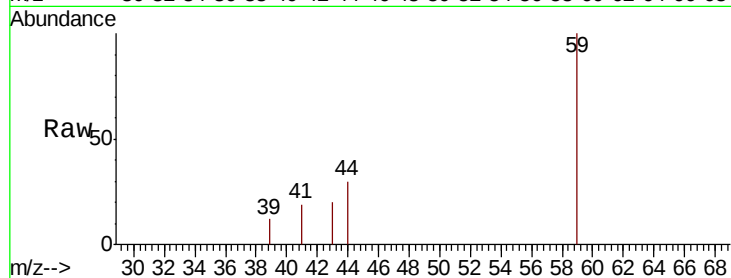


#11

Tert butyl alcohol
 Concen: 92.03 ug/l
 RT: 3.27 min Scan# 310
 Delta R.T. 0.02 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0814SBSD01

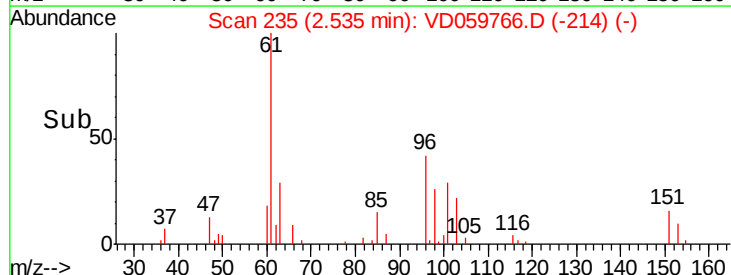
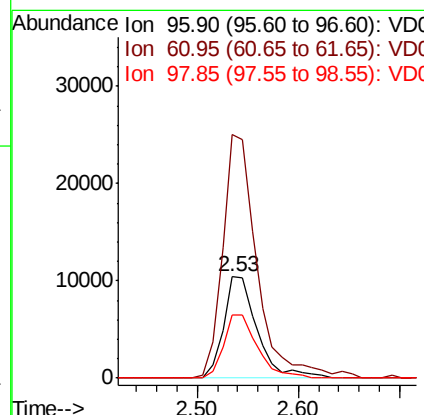
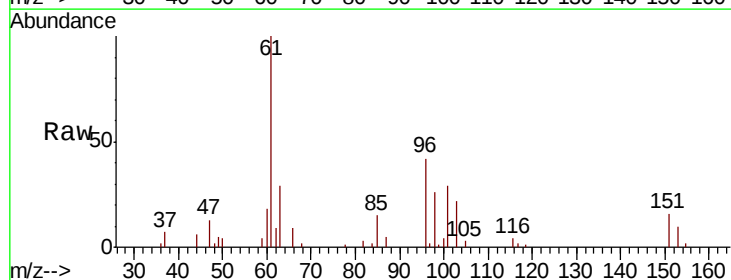
Tot Ion: 59 Resp: 12395
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.3 10.9#

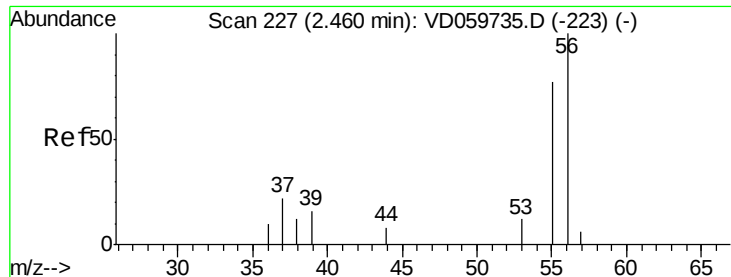


#12

1,1-Dichloroethene
 Concen: 17.21 ug/l
 RT: 2.53 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion: 96 Resp: 24052
 Ion Ratio Lower Upper
 96 100
 61 240.5 187.2 280.8
 98 62.7 50.4 75.6

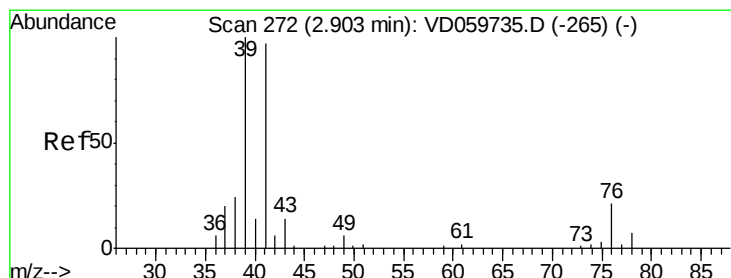
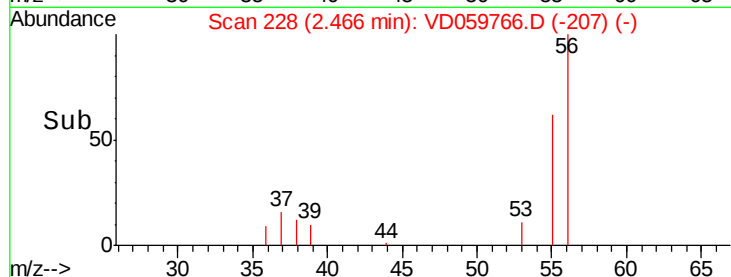
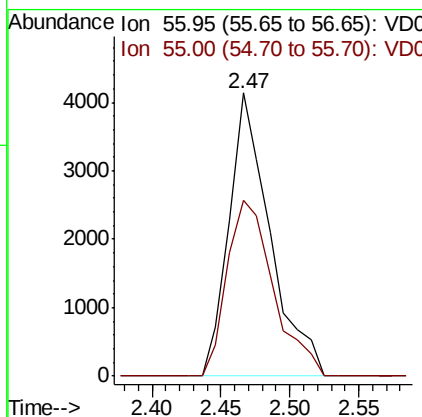
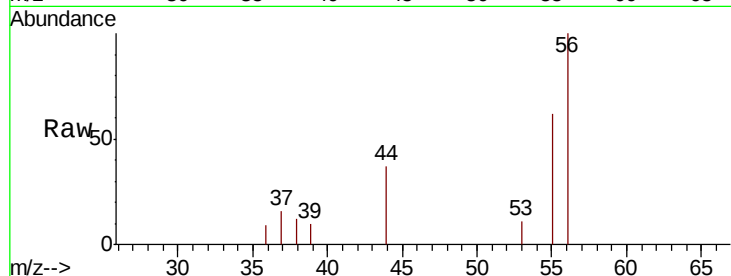




#13
Acrolein
Concen: 106.78 ug/l
RT: 2.47 min Scan# 228
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

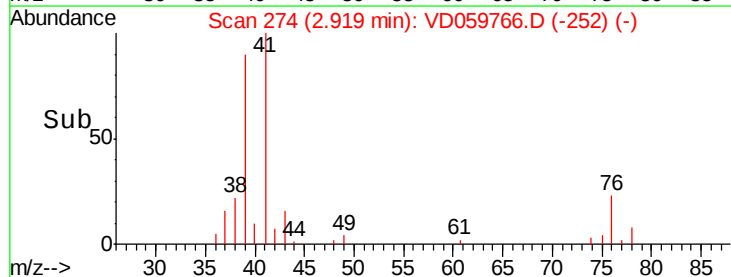
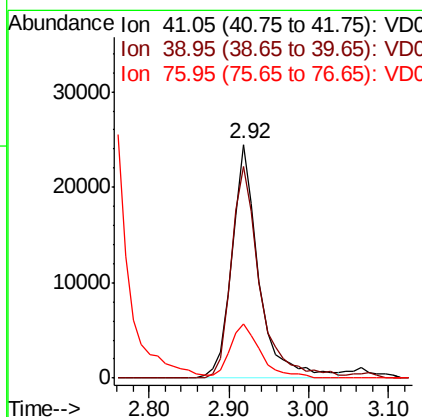
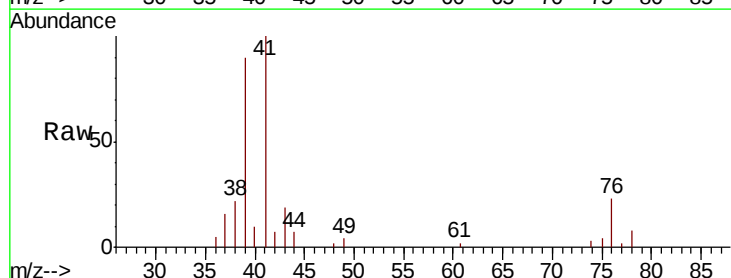
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

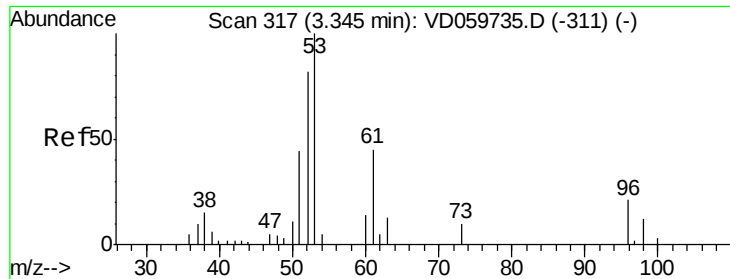
Tot Ion: 56 Resp: 8566
Ion Ratio Lower Upper
56 100
55 62.1 61.4 92.2



#14
Allyl chloride
Concen: 18.75 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.02 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 41 Resp: 57910
Ion Ratio Lower Upper
41 100
39 90.4 82.9 124.3
76 23.0 22.2 33.2

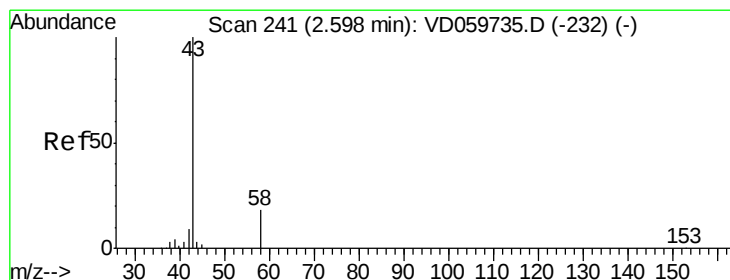
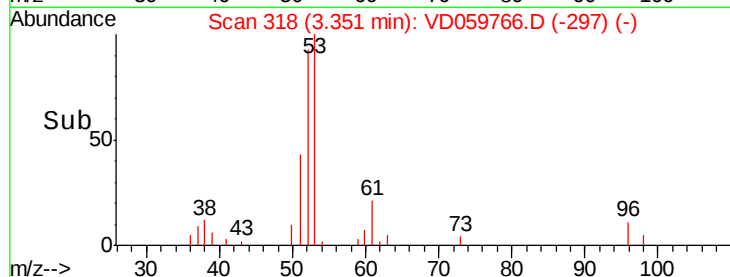
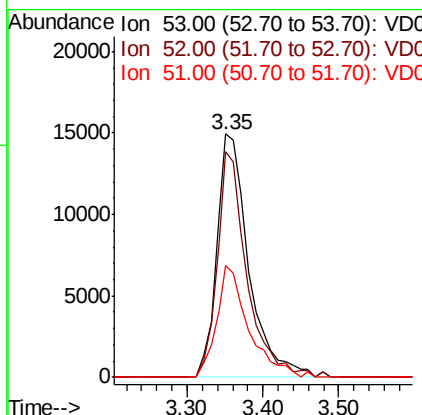
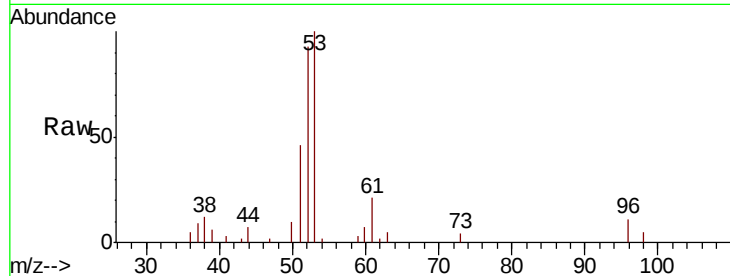




#15
 Acrylonitrile
 Concen: 131.94 ug/l
 RT: 3.35 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

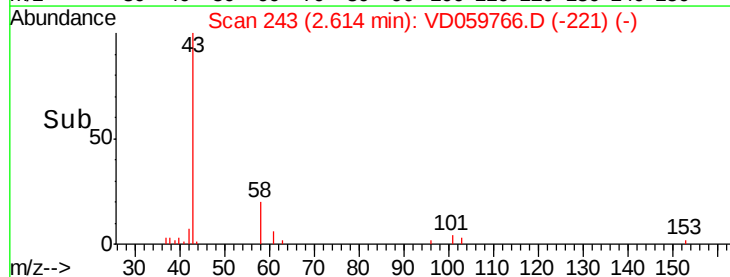
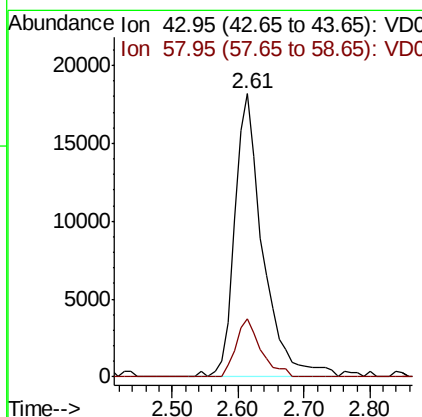
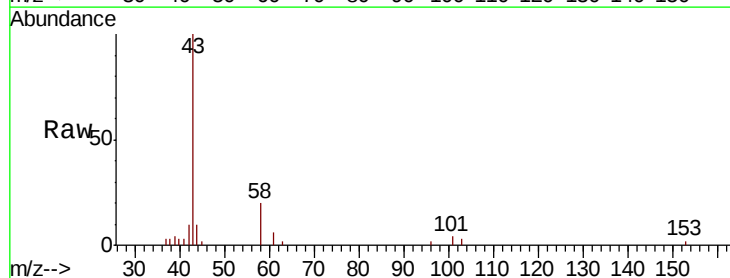
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

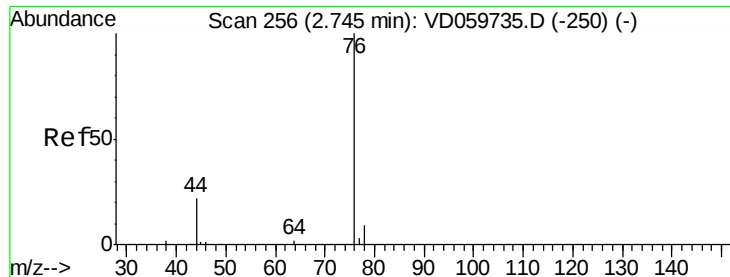
Tot Ion: 53 Resp: 43930
 Ion Ratio Lower Upper
 53 100
 52 92.8 65.8 98.6
 51 46.1 35.1 52.7



#16
 Acetone
 Concen: 85.63 ug/l
 RT: 2.61 min Scan# 243
 Delta R.T. 0.02 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion: 43 Resp: 54369
 Ion Ratio Lower Upper
 43 100
 58 20.4 14.6 21.8

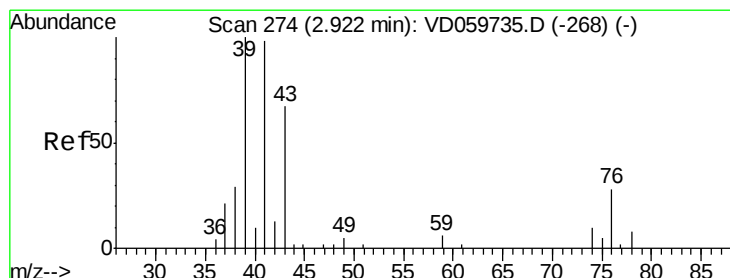
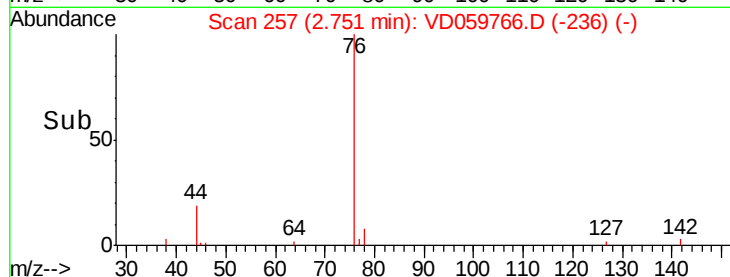
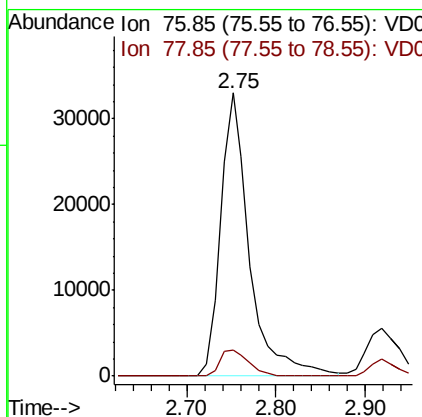
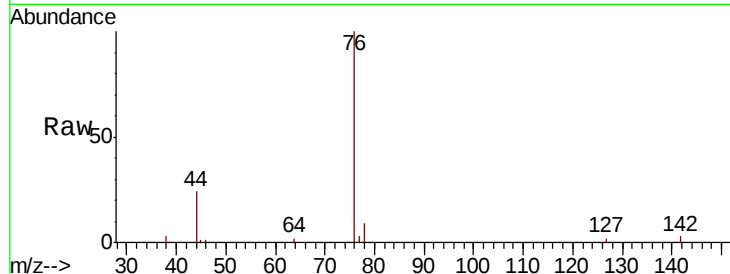




#17
Carbon Disulfide
Concen: 15.90 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

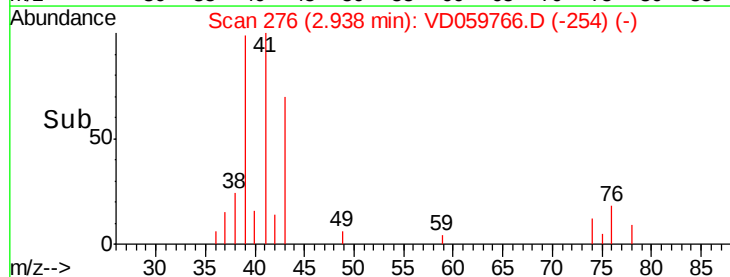
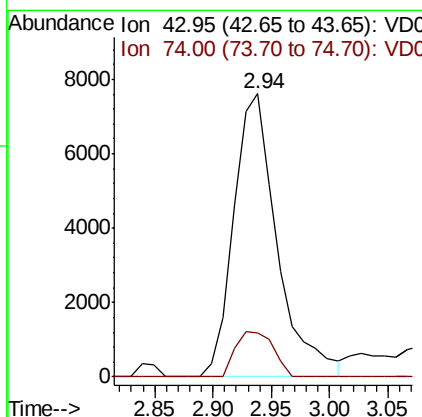
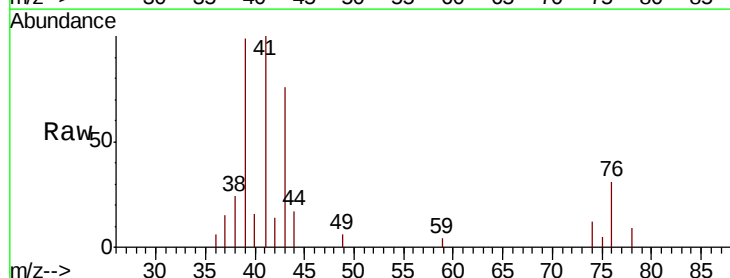
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

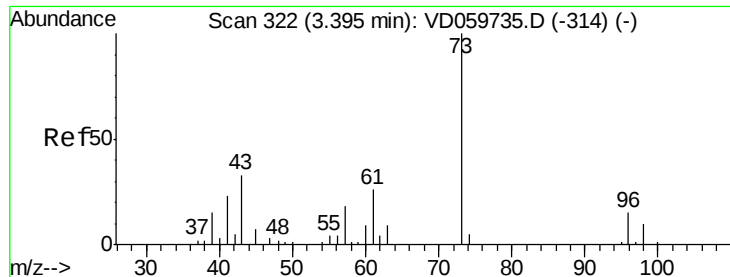
Tot Ion: 76 Resp: 74523
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 16.37 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.02 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 43 Resp: 19729
Ion Ratio Lower Upper
43 100
74 15.5 12.1 18.1

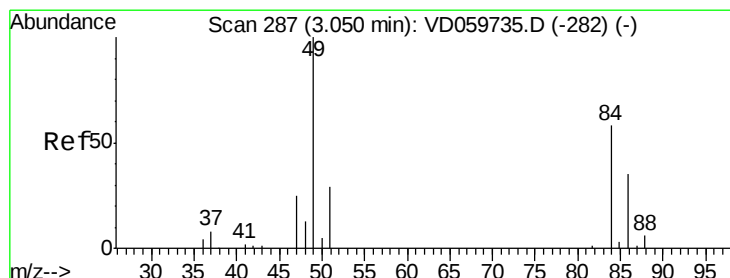
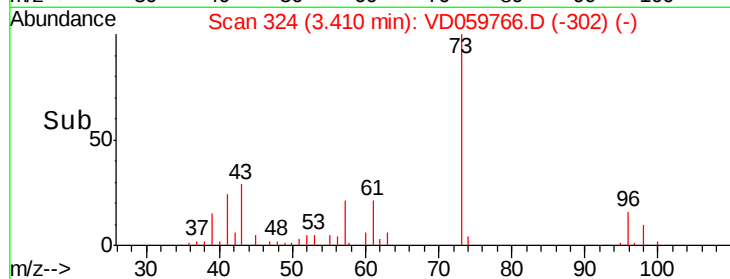
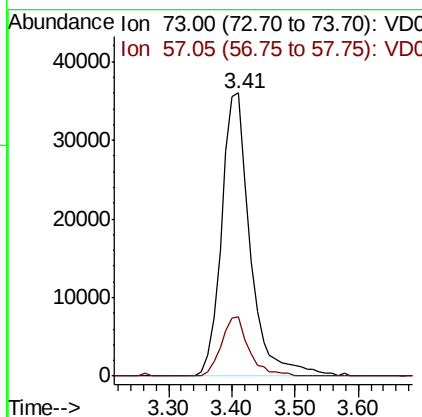
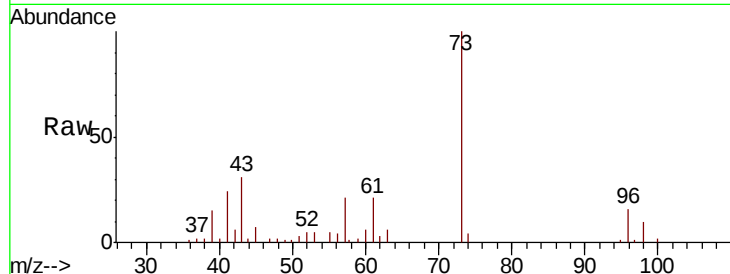




#19
Methvl tert-butvl Ether
Concen: 20.75 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.02 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

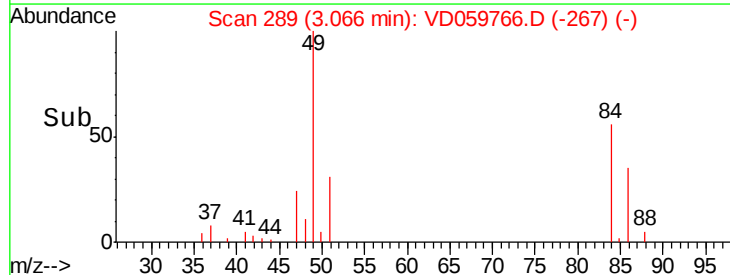
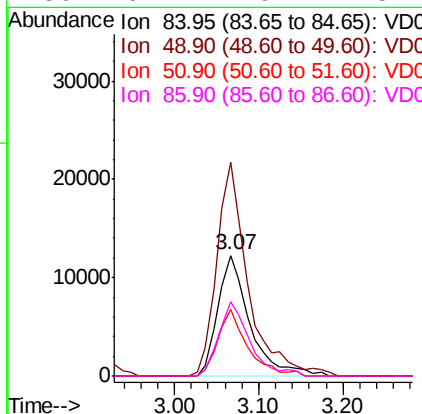
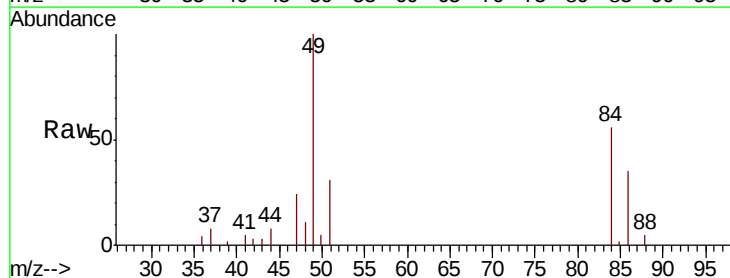
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

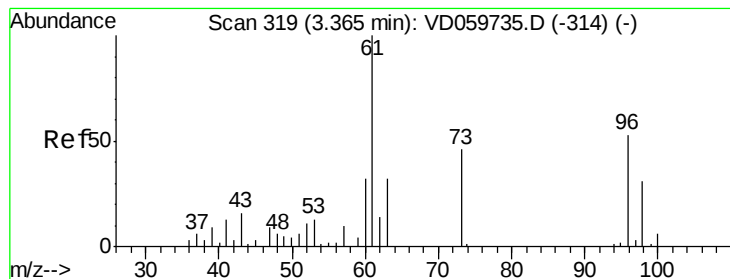
Tot Ion: 73 Resp: 113517
Ion Ratio Lower Upper
73 100
57 21.0 14.8 22.2



#20
Methylene Chloride
Concen: 17.56 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.02 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 84 Resp: 32183
Ion Ratio Lower Upper
84 100
49 177.2 138.9 208.3
51 55.8 40.2 60.2
86 62.1 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 26.85 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.02 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

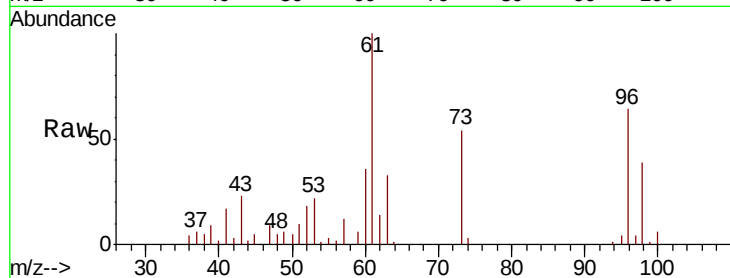
Tot Ion: 96 Resp: 47588

Ion Ratio Lower Upper

96 100

61 156.6 152.0 228.0

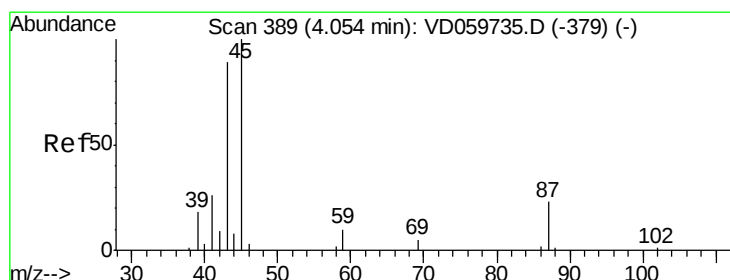
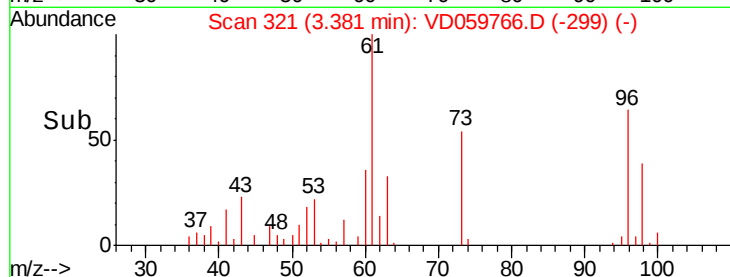
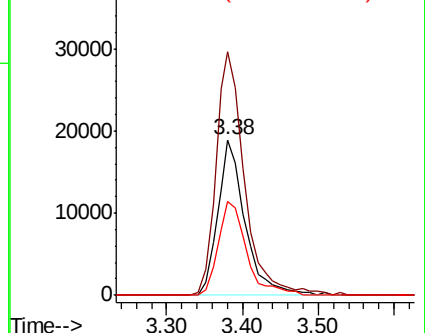
98 60.8 47.4 71.2



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



#22

Diisopropyl ether

Concen: 25.91 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.02 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Tgt Ion: 45 Resp: 151323

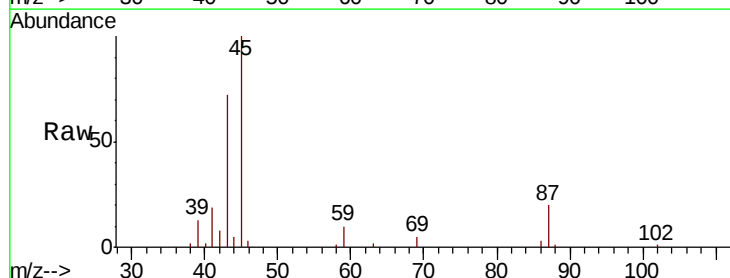
Ion Ratio Lower Upper

45 100

43 72.3 75.5 113.3#

87 19.6 19.4 29.0

59 10.3 8.5 12.7

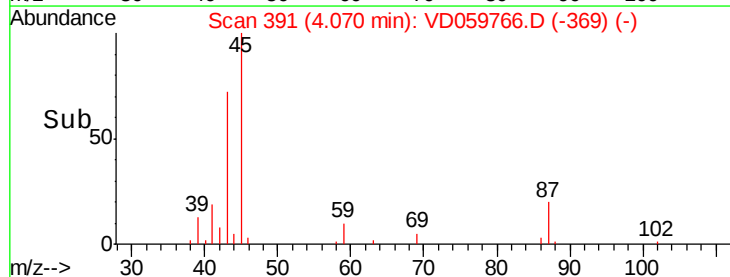
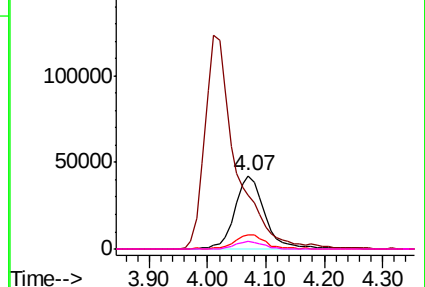


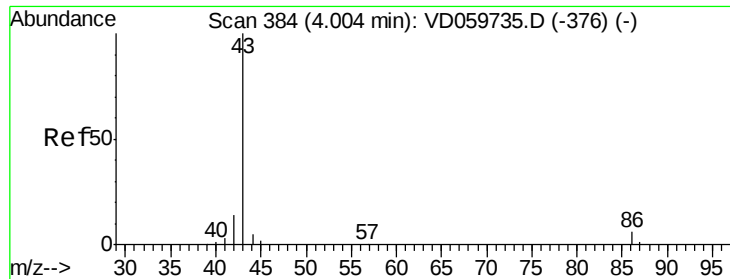
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

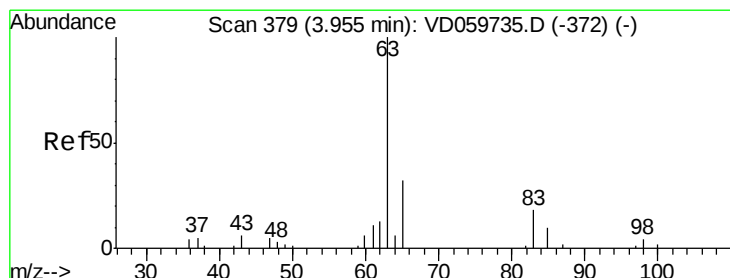
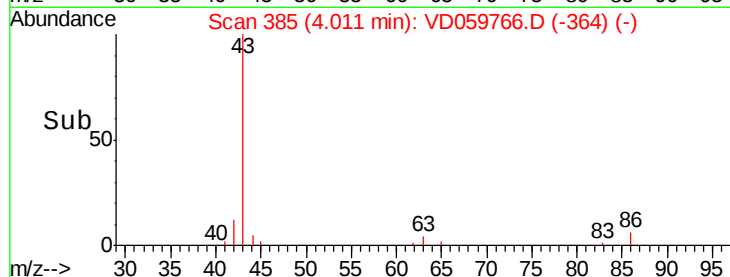
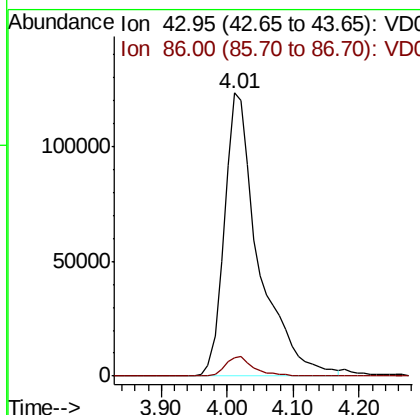
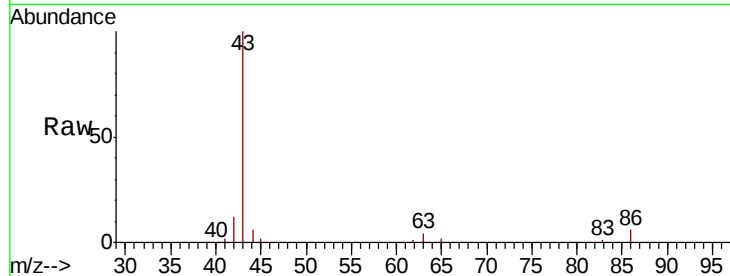




#23
 Vinyl Acetate
 Concen: 113.86 ug/l
 RT: 4.01 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

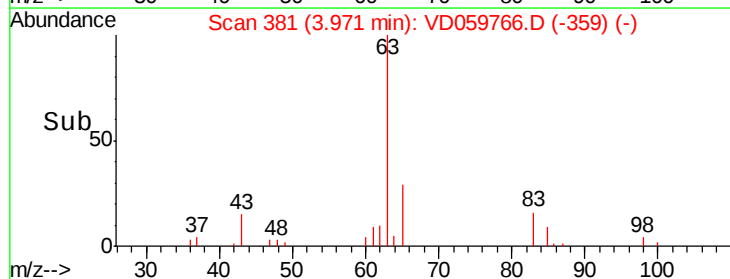
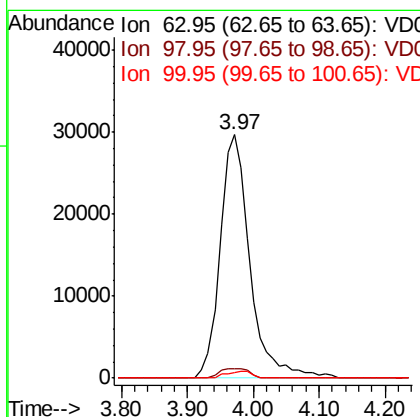
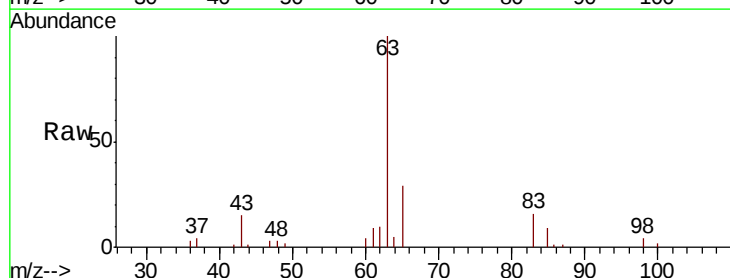
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0814SBSD01

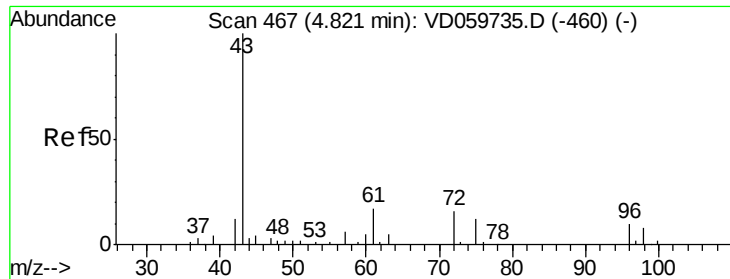
Tot Ion: 43 Resp: 450069
 Ion Ratio Lower Upper
 43 100
 86 6.4 5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 21.66 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. 0.02 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion: 63 Resp: 93463
 Ion Ratio Lower Upper
 63 100
 98 3.6 1.8 5.5
 100 2.5 1.1 3.1





#25

2-Butanone

Concen: 111.03 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

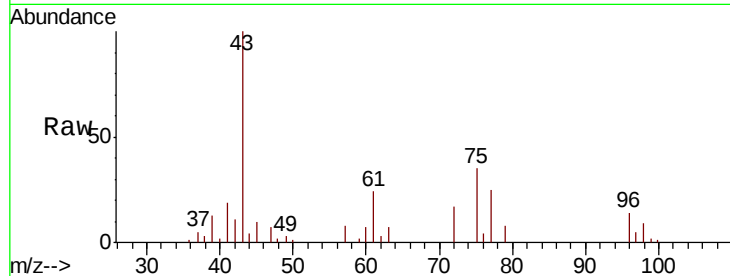
VD0814SBSD01

Tot Ion: 43 Resp: 75771

Ion Ratio Lower Upper

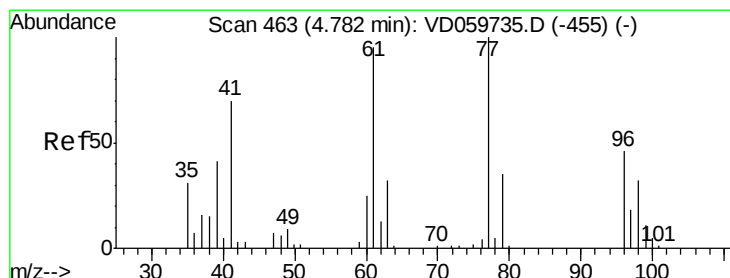
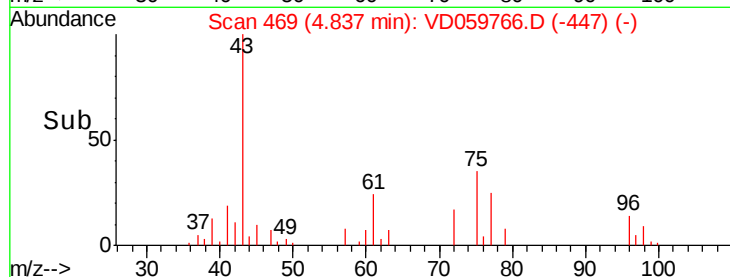
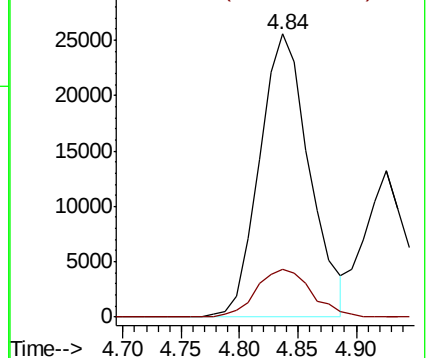
43 100

72 17.0 13.1 19.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.50 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.02 min

Lab File: VD059766.D

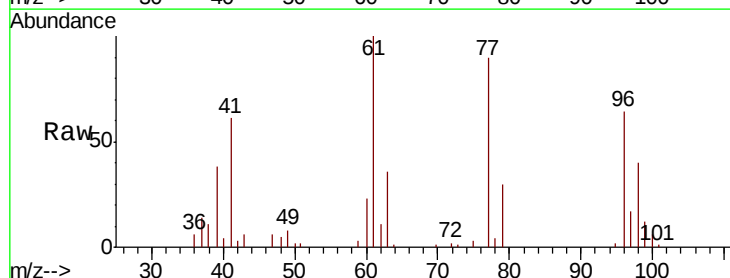
Acq: 14 Aug 2018 14:56

Tgt Ion: 77 Resp: 93307

Ion Ratio Lower Upper

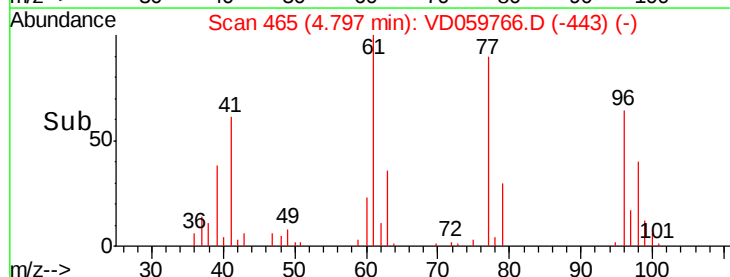
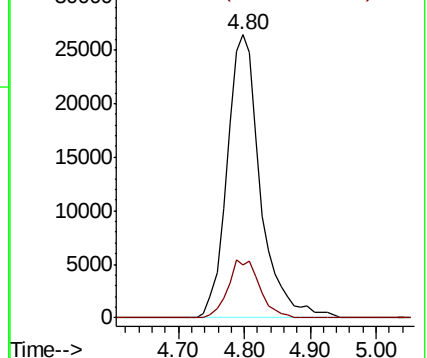
77 100

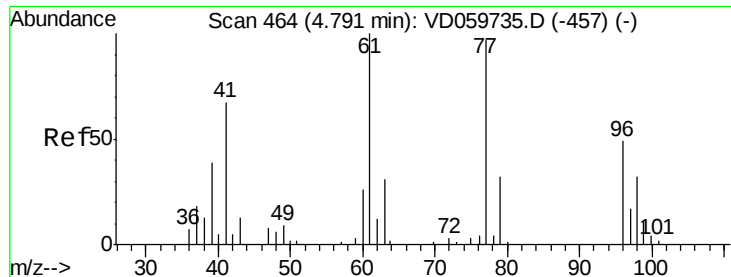
97 18.6 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



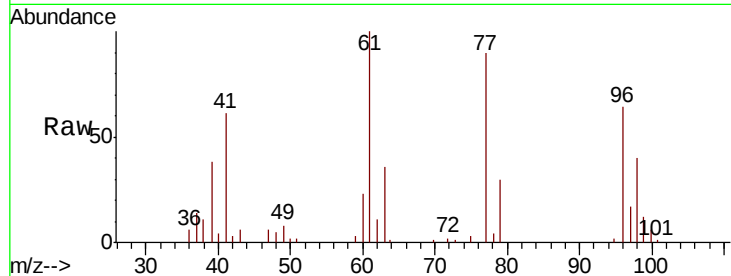


#27

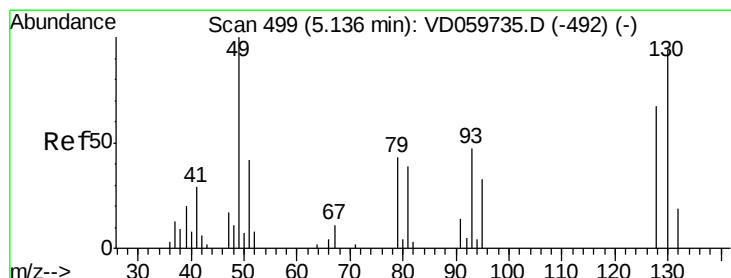
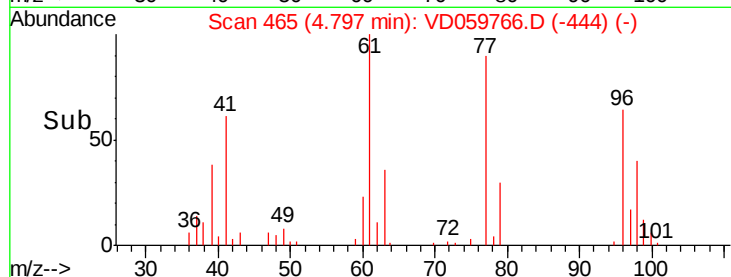
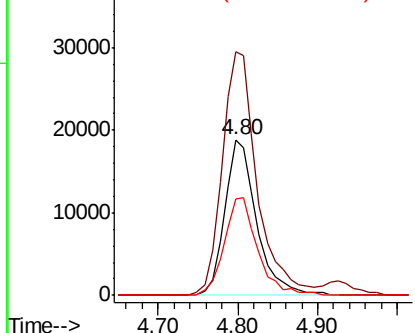
cis-1,2-Dichloroethene
Concen: 24.58 ug/l
RT: 4.80 min Scan# 465
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion: 96 Resp: 52698
Ion Ratio Lower Upper
96 100
61 156.7 0.0 409.8
98 62.1 0.0 132.8



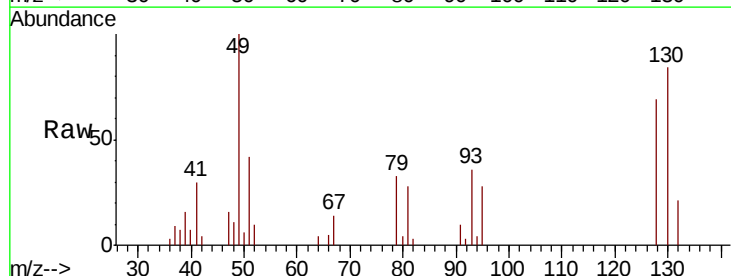
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



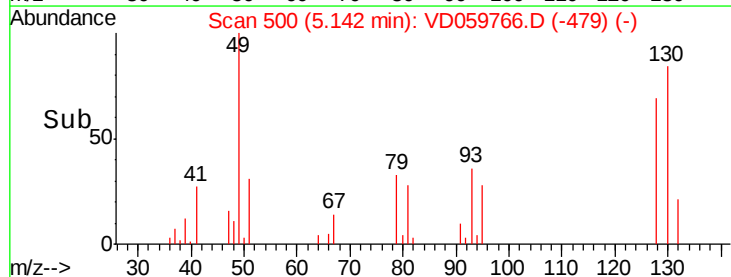
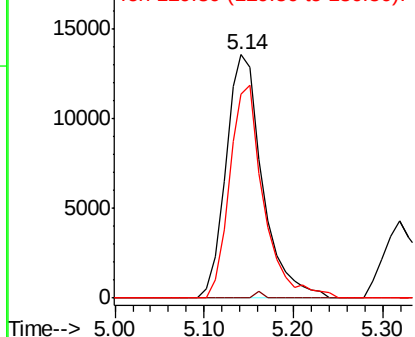
#28

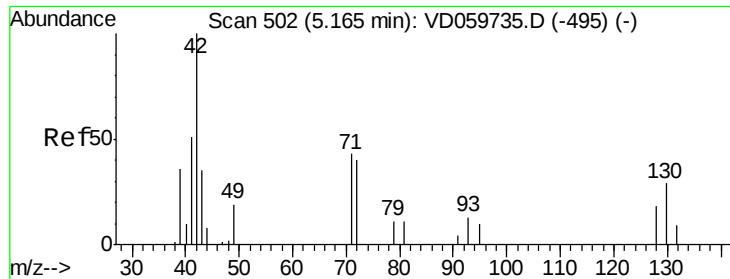
Bromochloromethane
Concen: 24.96 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 49 Resp: 38778
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 83.6 75.0 112.6



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

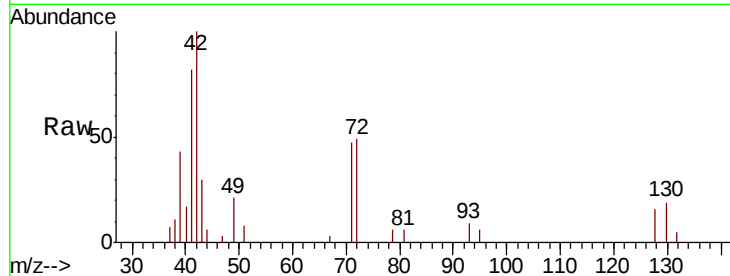




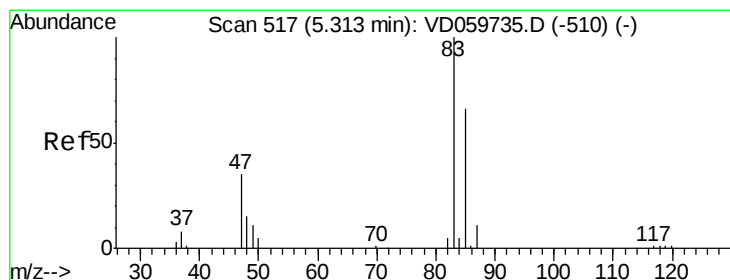
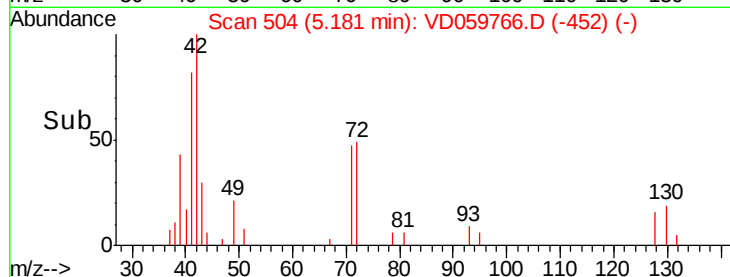
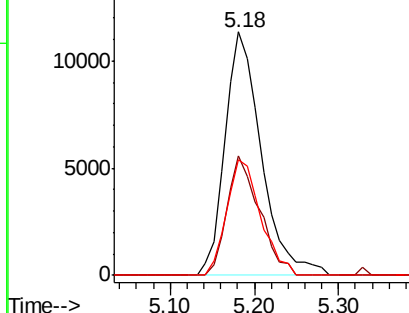
#29
Tetrahydrofuran
Concen: 133.38 ug/l
RT: 5.18 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion: 42 Resp: 34033
Ion Ratio Lower Upper
42 100
72 43.7 35.3 52.9
71 44.5 37.1 55.7

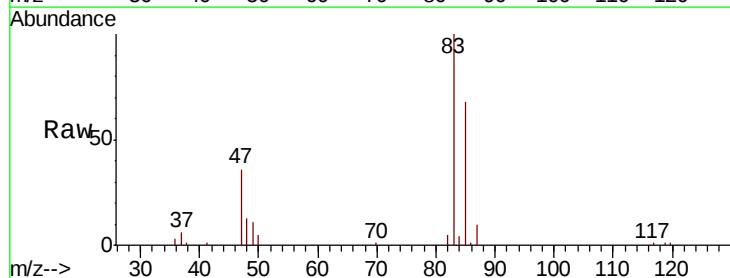


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

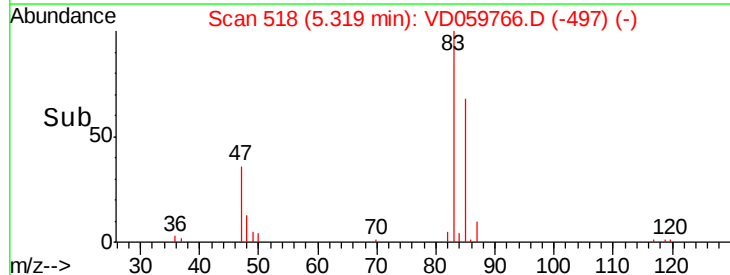
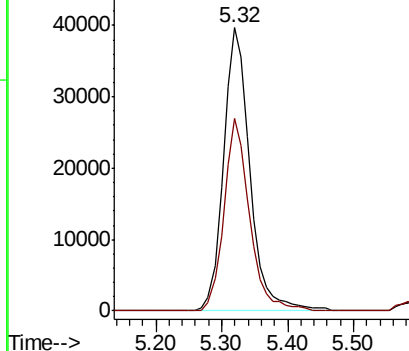


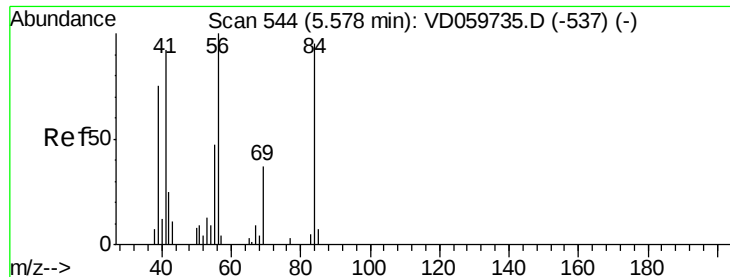
#30
Chloroform
Concen: 19.43 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 83 Resp: 110709
Ion Ratio Lower Upper
83 100
85 68.0 52.9 79.3



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

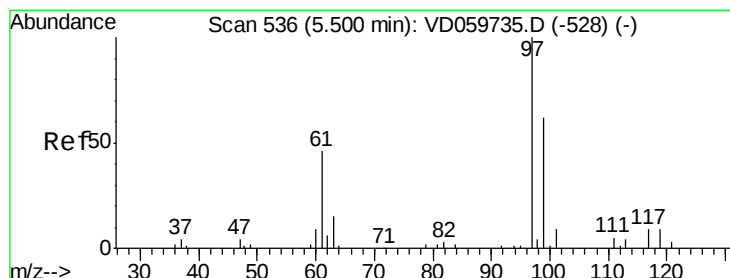
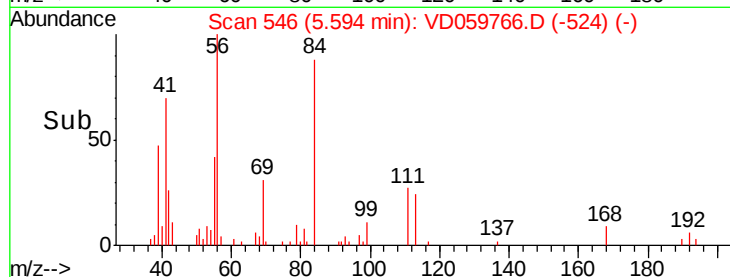
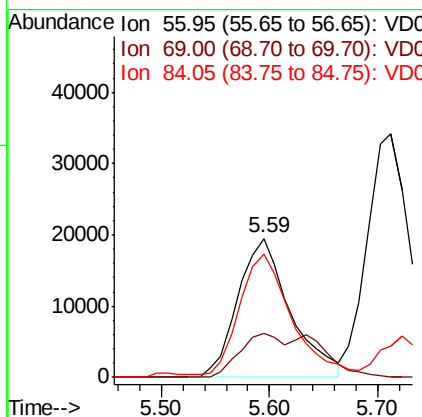
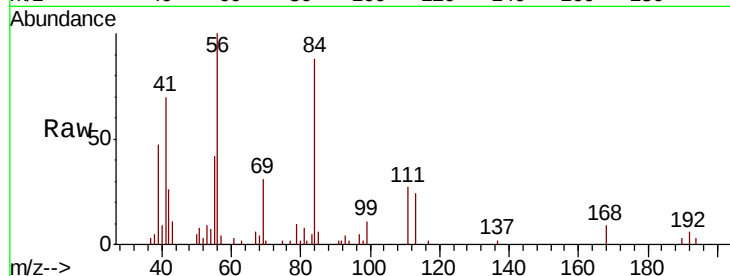




#31
Cyclohexane
Concen: 26.21 ug/l
RT: 5.59 min Scan# 546
Delta R.T. 0.02 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

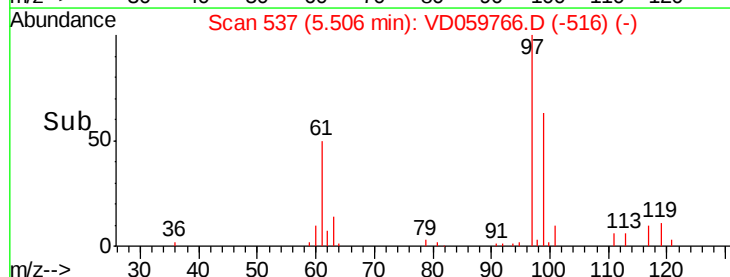
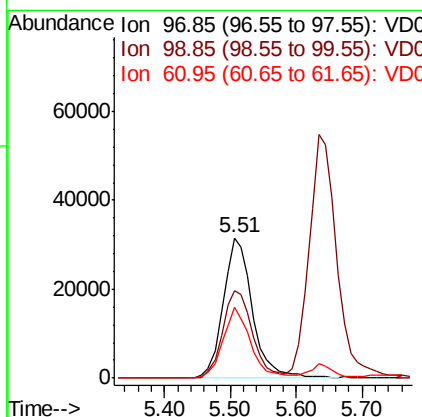
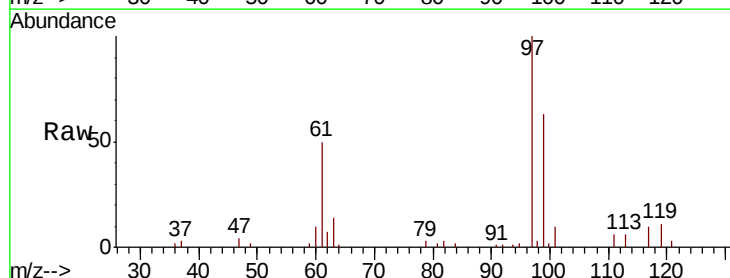
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

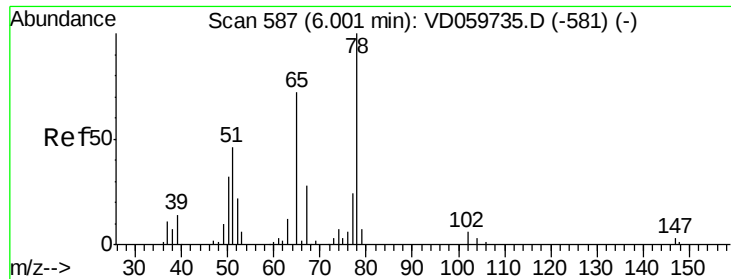
Tot Ion: 56 Resp: 65640
Ion Ratio Lower Upper
56 100
69 31.2 29.3 43.9
84 88.4 76.2 114.2



#32
1,1,1-Trichloroethane
Concen: 16.47 ug/l
RT: 5.51 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 97 Resp: 97289
Ion Ratio Lower Upper
97 100
99 62.6 49.8 74.6
61 50.4 37.0 55.4





#33

1,2-Dichloroethane-d4

Concen: 16.47 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

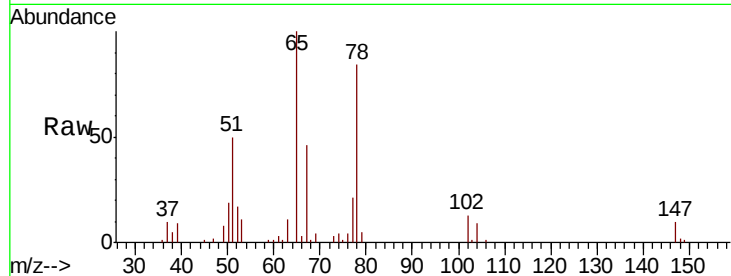
VD0814SBSD01

Tot Ion: 65 Resp: 171927

Ion Ratio Lower Upper

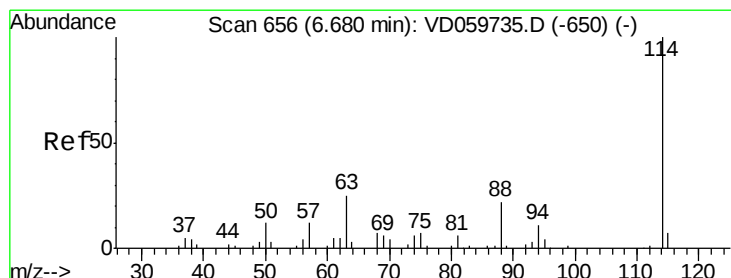
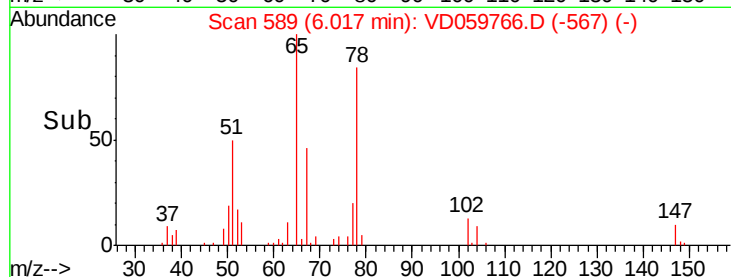
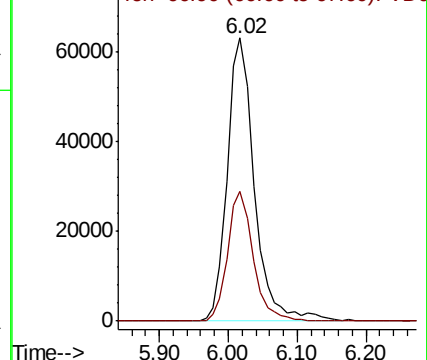
65 100

67 46.0 0.0 77.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

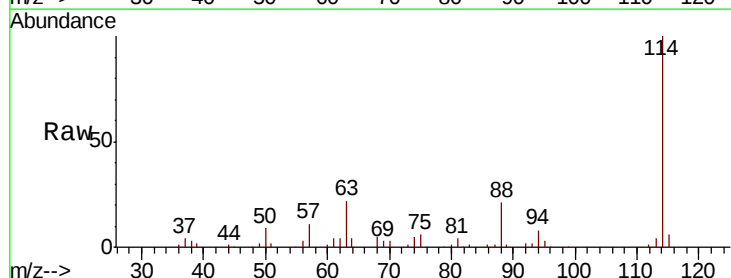
Tgt Ion: 114 Resp: 331481

Ion Ratio Lower Upper

114 100

63 22.0 0.0 50.6

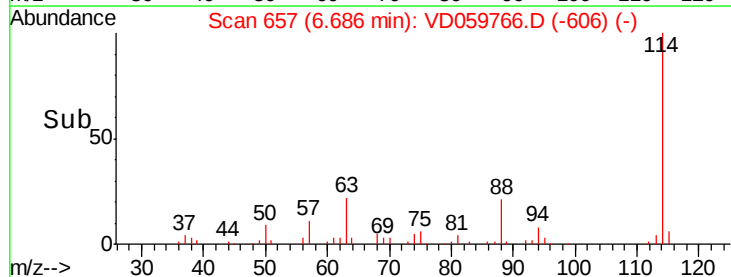
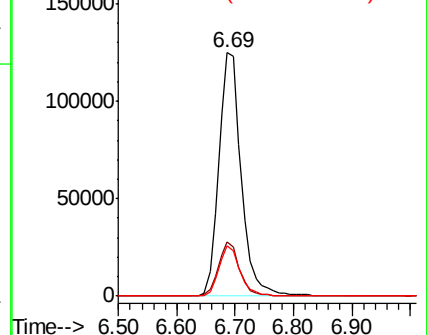
88 20.7 0.0 43.4

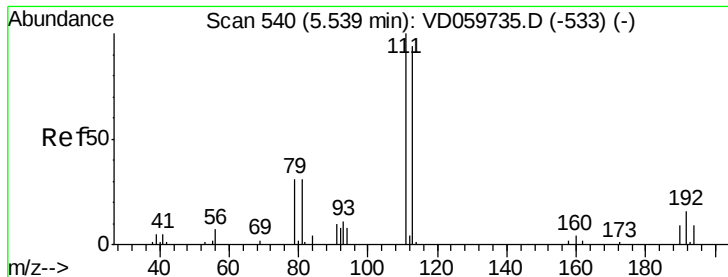


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

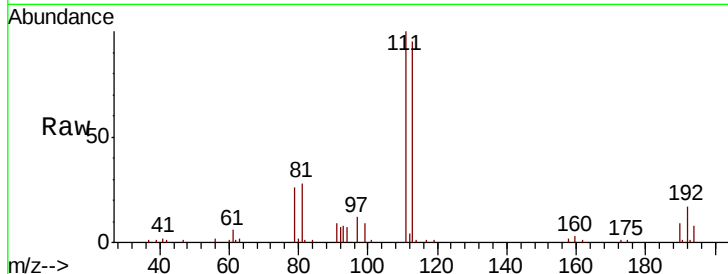
Tot Ion:113 Resp: 150127

Ion Ratio Lower Upper

113 100

111 104.9 85.3 127.9

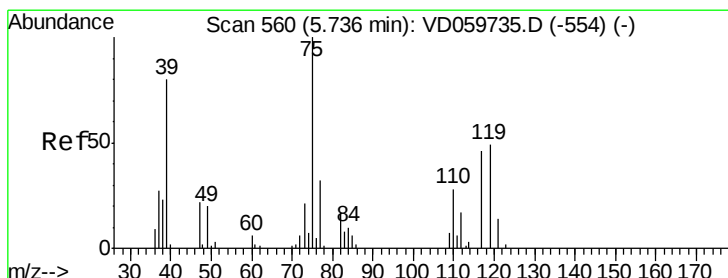
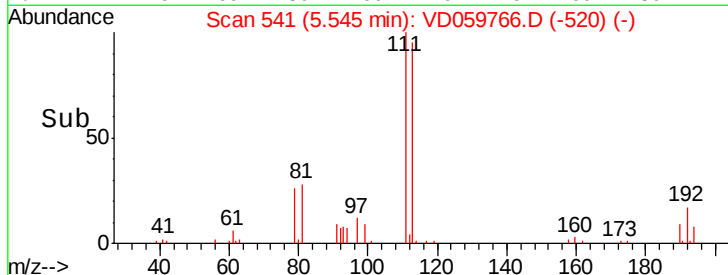
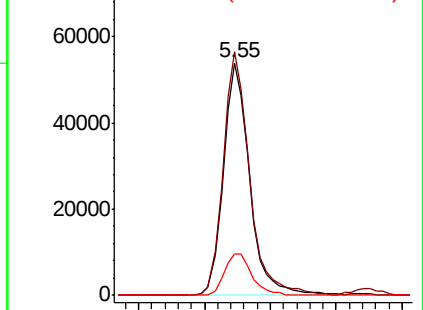
192 17.8 13.9 20.9



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: 18.58 ug/l

RT: 5.74 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

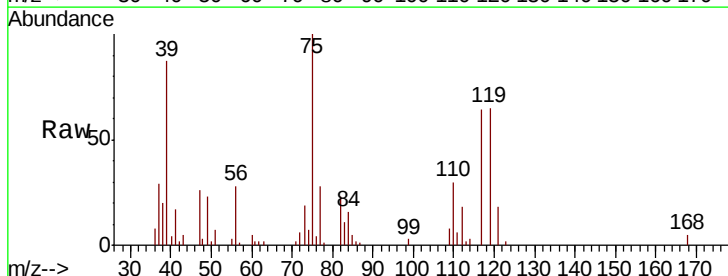
Tgt Ion: 75 Resp: 71479

Ion Ratio Lower Upper

75 100

110 30.2 13.7 41.0

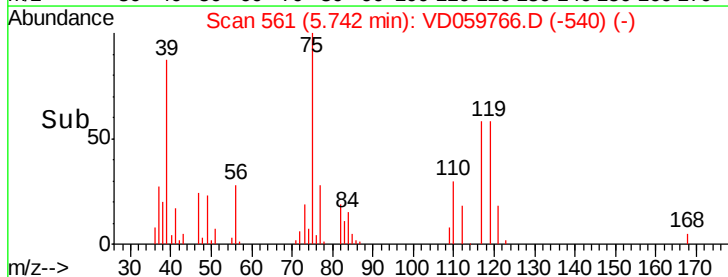
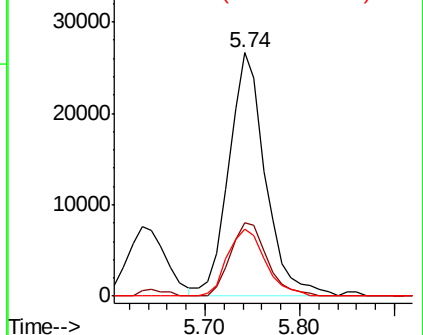
77 27.7 25.4 38.2

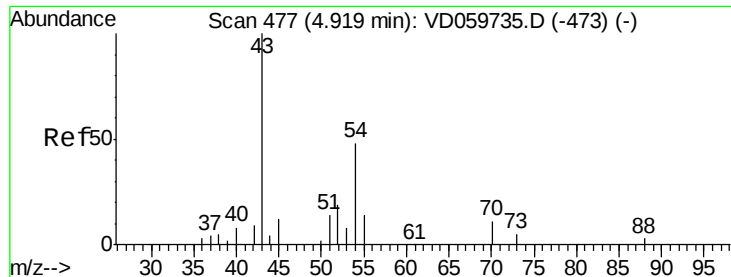


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

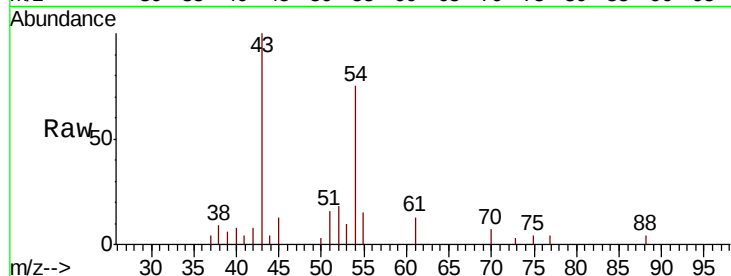




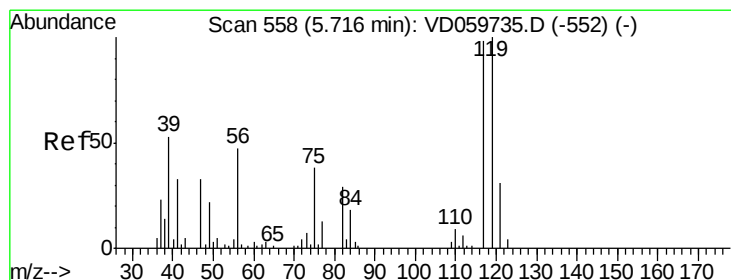
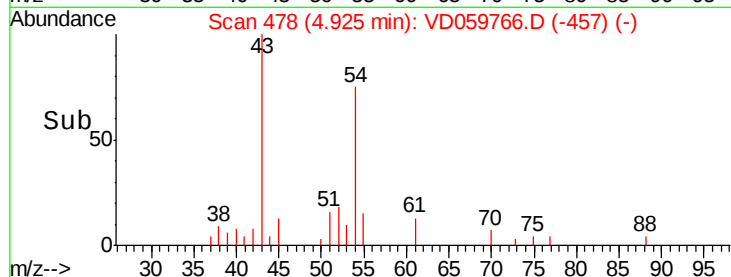
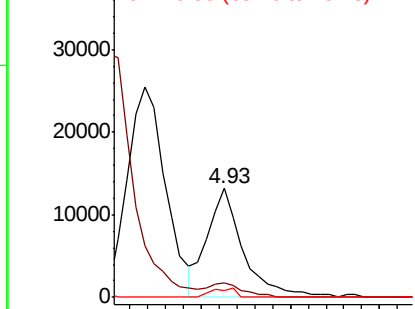
#37
Ethyl Acetate
Concen: 21.99 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleID :
VD0814SBS01

Tot Ion: 43 Resp: 37212
Ion Ratio Lower Upper
43 100
61 13.2 7.4 11.0#
70 6.5 5.8 8.8

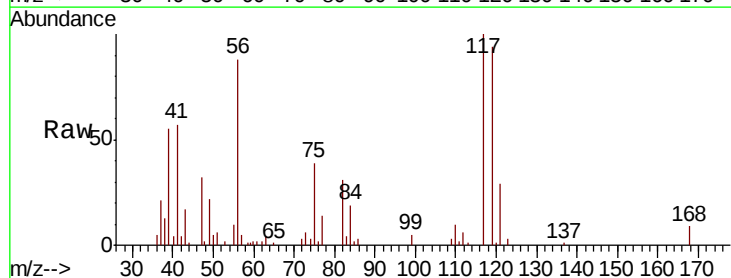


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

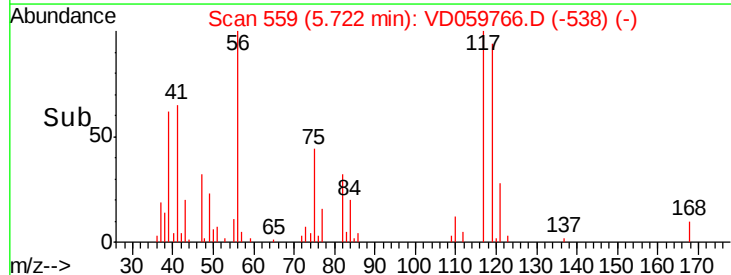
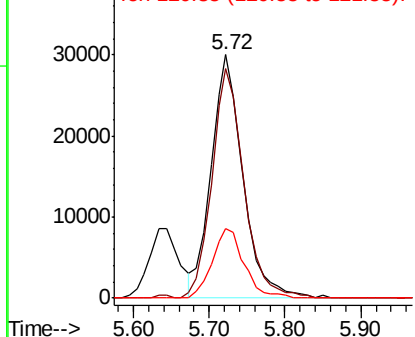


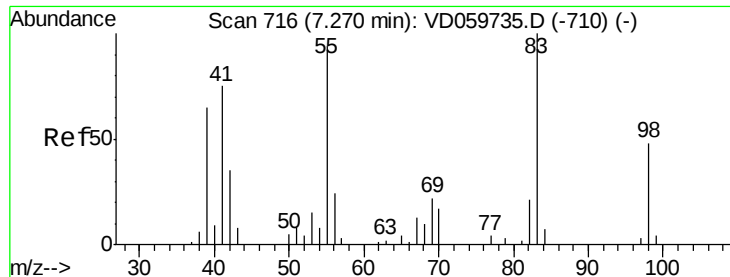
#38
Carbon Tetrachloride
Concen: 14.47 ug/l
RT: 5.72 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 117 Resp: 87596
Ion Ratio Lower Upper
117 100
119 94.0 78.2 117.2
121 28.6 23.9 35.9



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

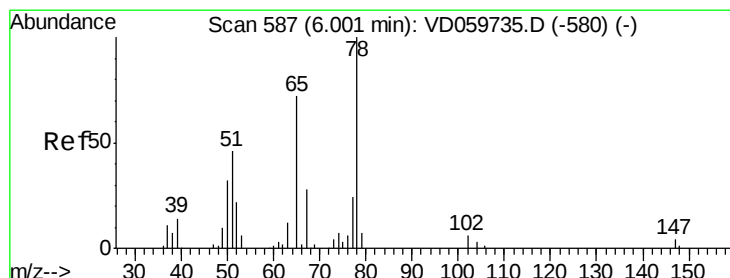
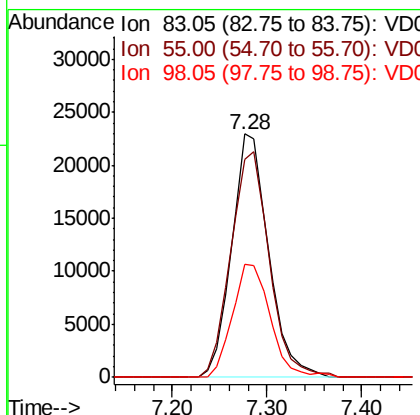
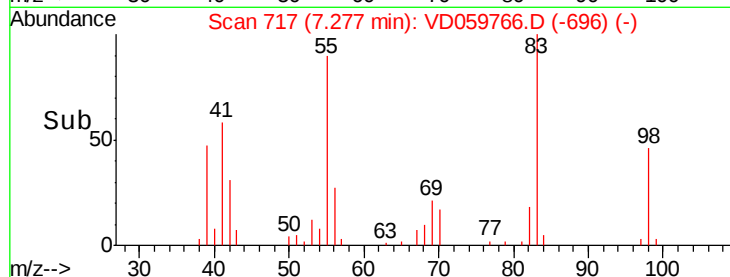
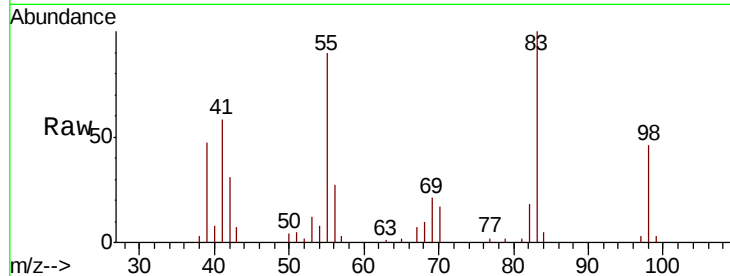




#39
Methylcyclohexane
Concen: 21.69 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

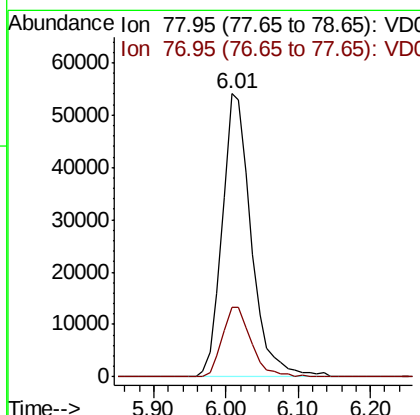
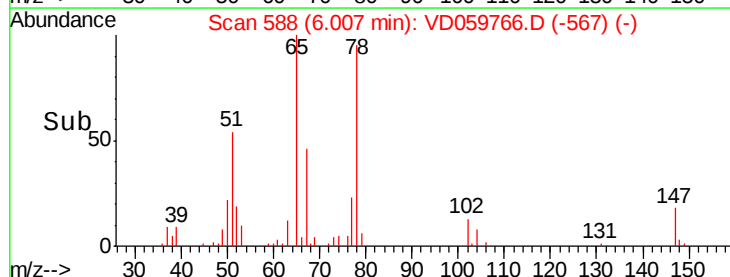
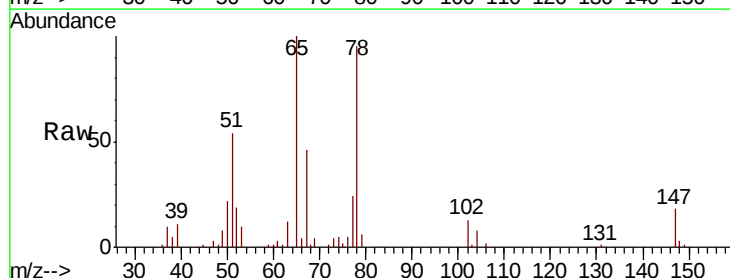
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

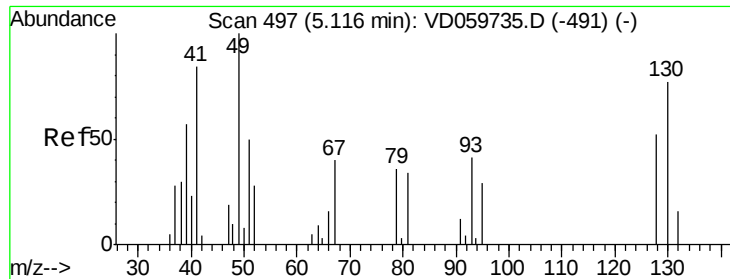
Tot Ion: 83 Resp: 61841
Ion Ratio Lower Upper
83 100
55 89.7 75.1 112.7
98 46.3 38.7 58.1



#40
Benzene
Concen: 22.46 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 78 Resp: 150586
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0





#41

Methacrylonitrile

Concen: 21.83 ug/l

RT: 5.12 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

Tot Ion: 41 Resp: 17364

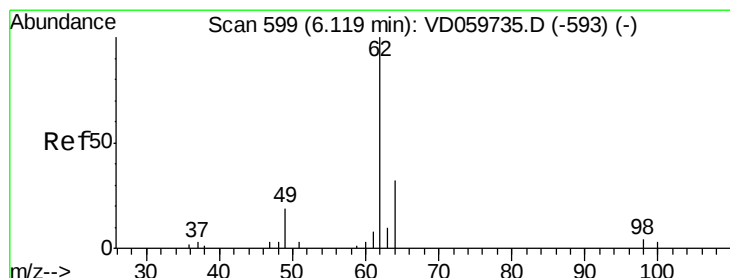
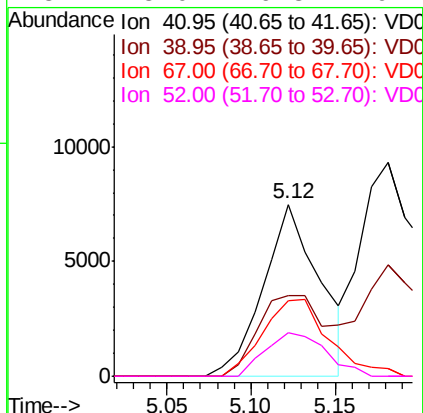
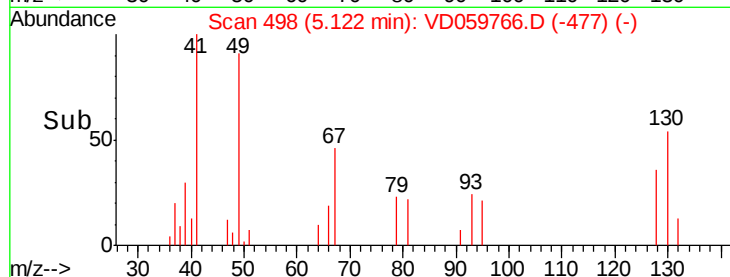
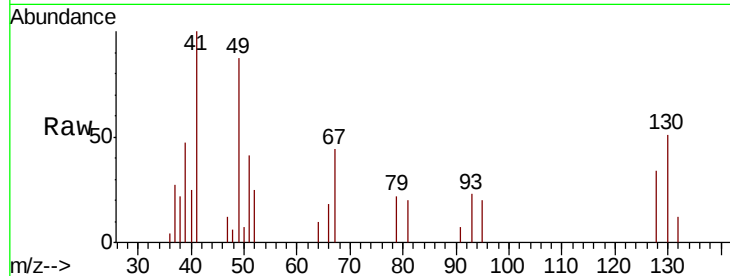
Ion Ratio Lower Upper

41 100

39 46.9 54.3 81.5#

67 43.8 38.2 57.2

52 25.0 26.8 40.2#



#42

1,2-Dichloroethane

Concen: 15.35 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD059766.D

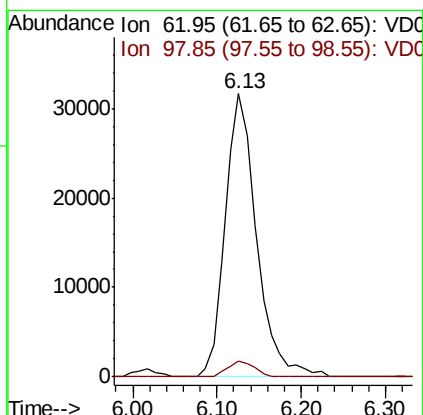
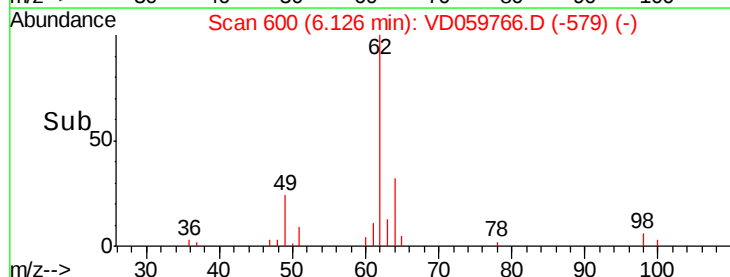
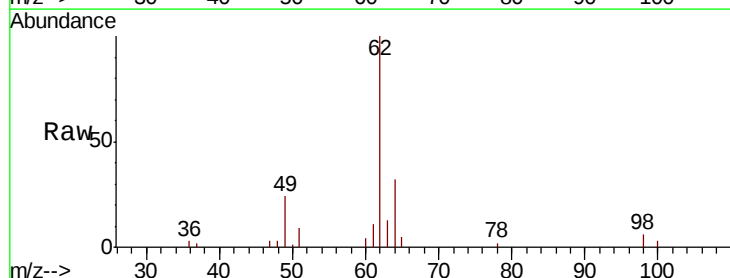
Acq: 14 Aug 2018 14:56

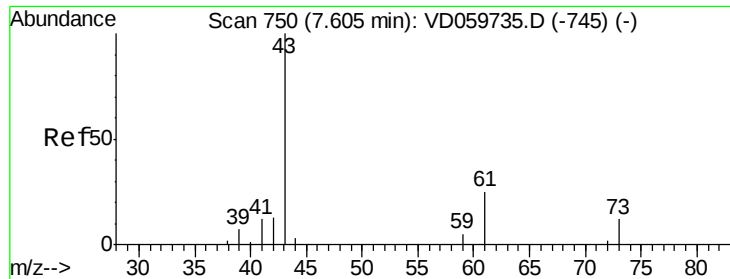
Tgt Ion: 62 Resp: 81635

Ion Ratio Lower Upper

62 100

98 5.5 0.0 8.2



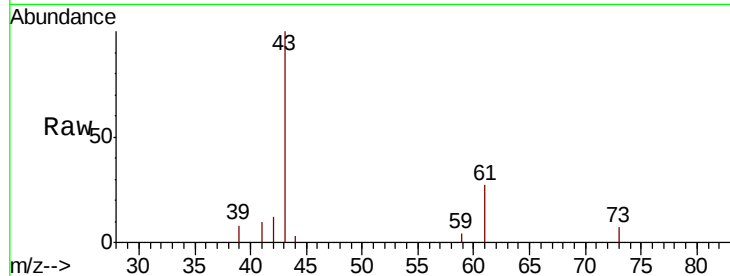


#43

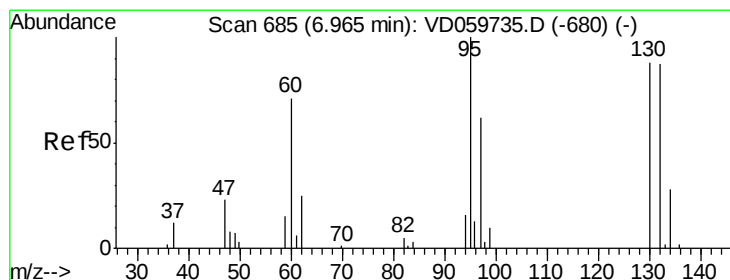
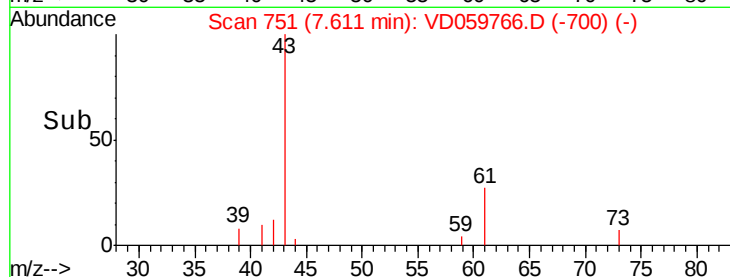
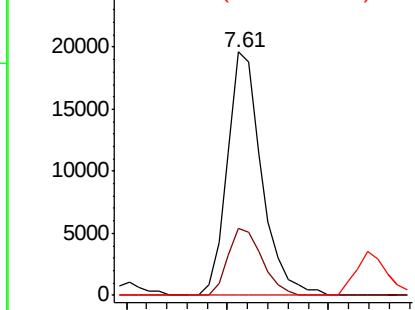
Isopropyl Acetate
 Concen: 21.68 ug/l
 RT: 7.61 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion: 43 Resp: 46219
 Ion Ratio Lower Upper
 43 100
 61 27.3 19.8 29.8
 87 0.0 0.0 0.0



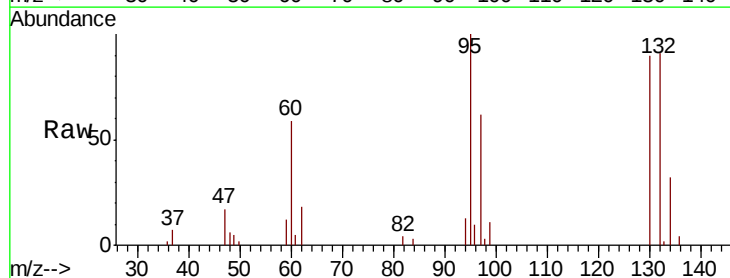
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



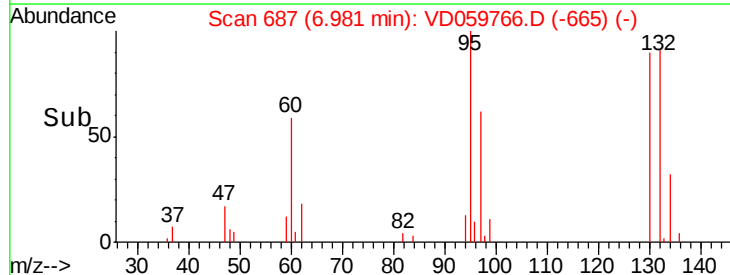
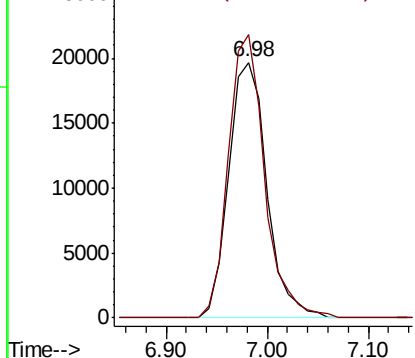
#44

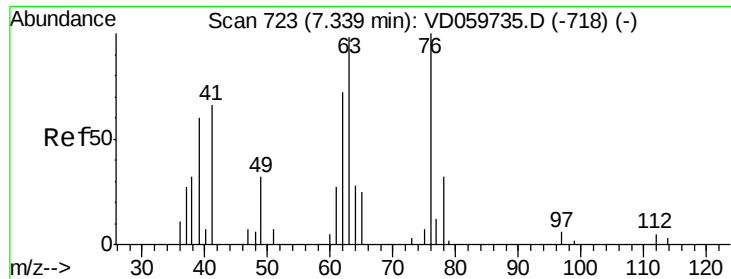
Trichloroethene
 Concen: 19.09 ug/l
 RT: 6.98 min Scan# 687
 Delta R.T. 0.02 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion: 130 Resp: 51629
 Ion Ratio Lower Upper
 130 100
 95 110.6 0.0 226.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.31 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

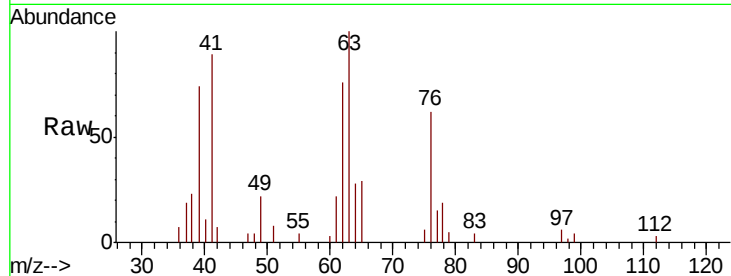
VD0814SBSD01

Tot Ion: 63 Resp: 39811

Ion Ratio Lower Upper

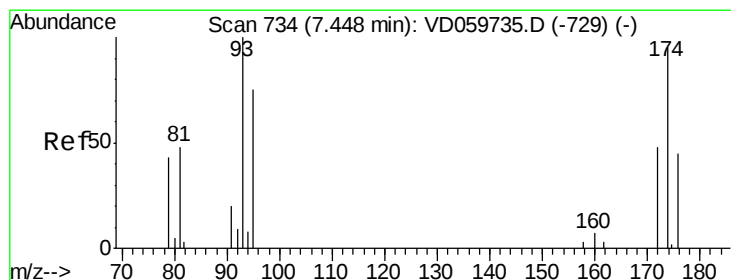
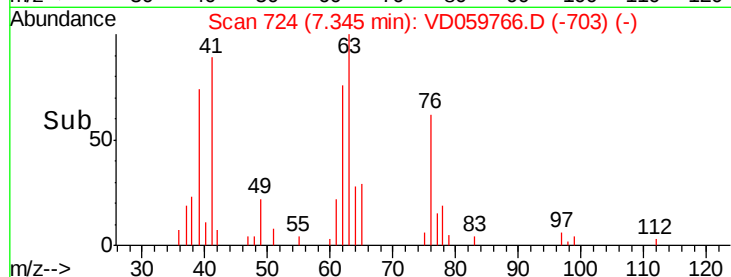
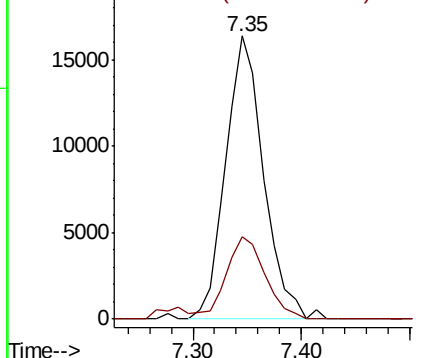
63 100

65 29.3 23.0 34.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.00 ug/l

RT: 7.45 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

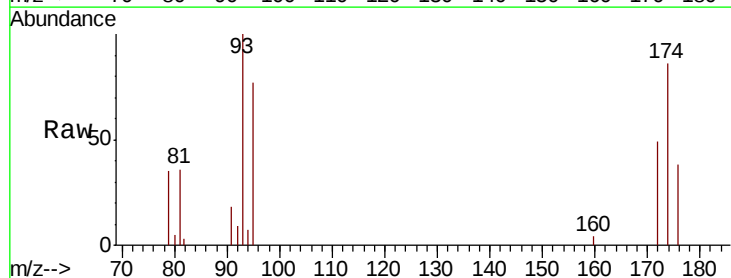
Tgt Ion: 93 Resp: 32641

Ion Ratio Lower Upper

93 100

95 76.8 60.2 90.2

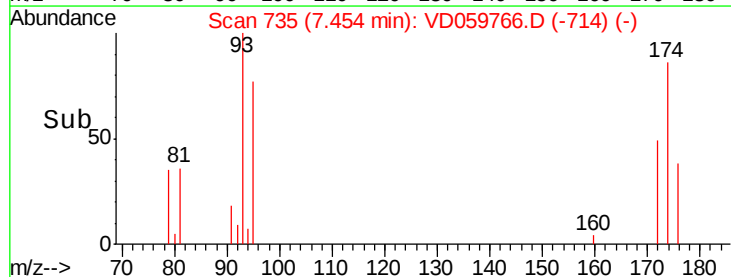
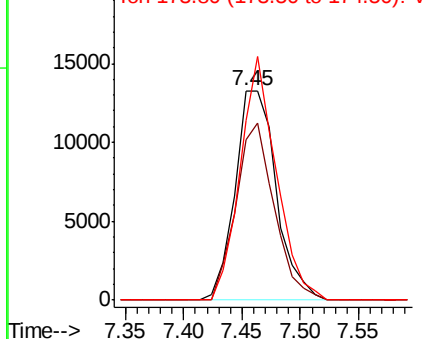
174 85.7 75.6 113.4

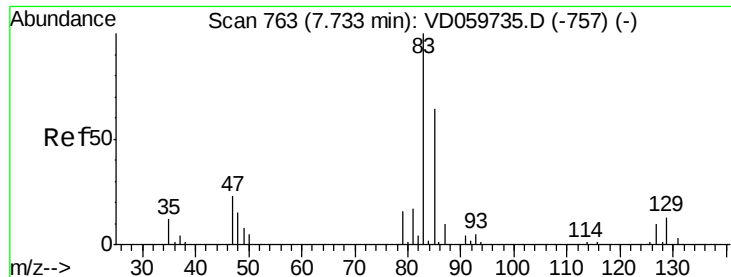


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 16.51 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

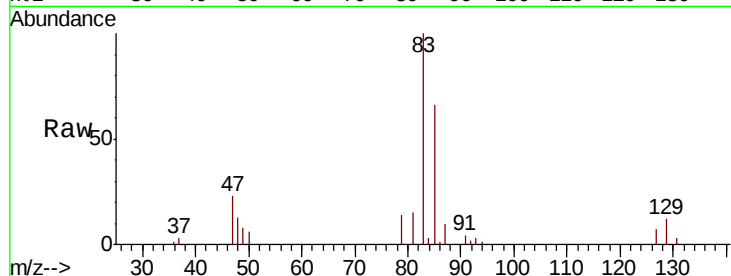
Tot Ion: 83 Resp: 79135

Ion Ratio Lower Upper

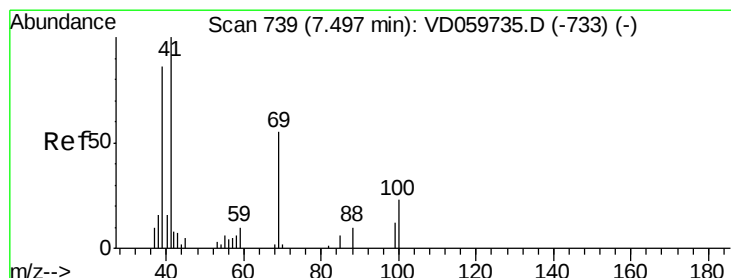
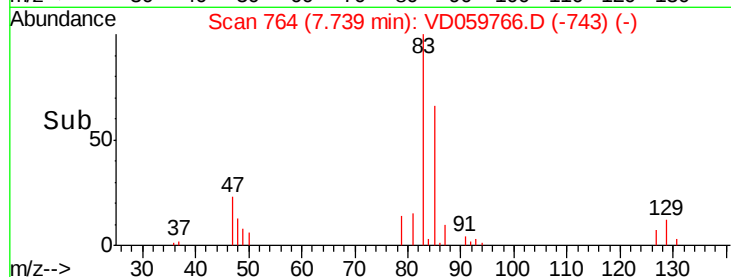
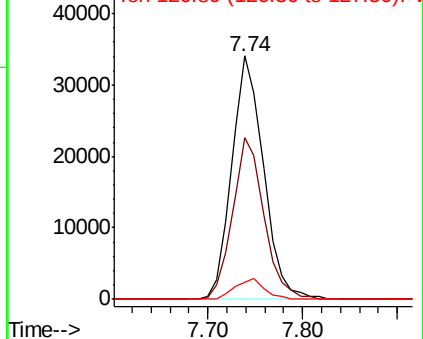
83 100

85 66.2 51.6 77.4

127 6.8 7.7 11.5#



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: 18.50 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

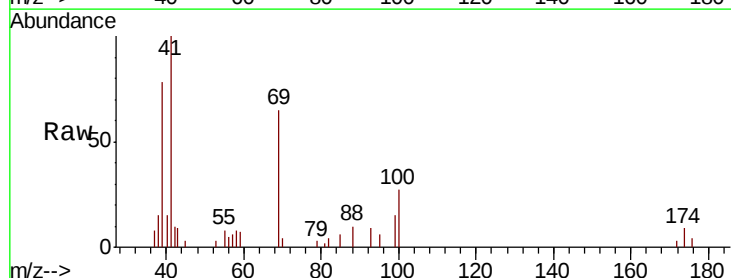
Tgt Ion: 41 Resp: 28782

Ion Ratio Lower Upper

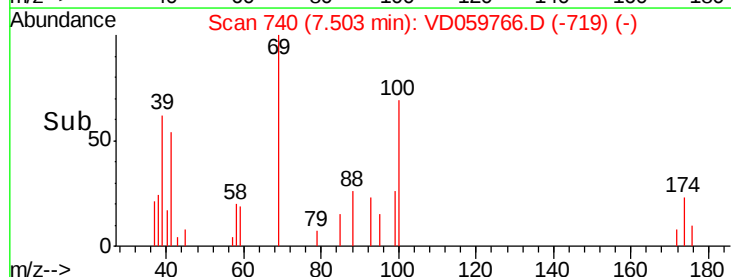
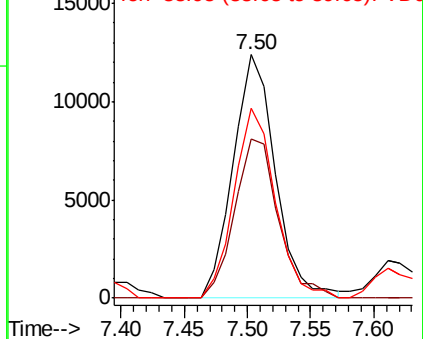
41 100

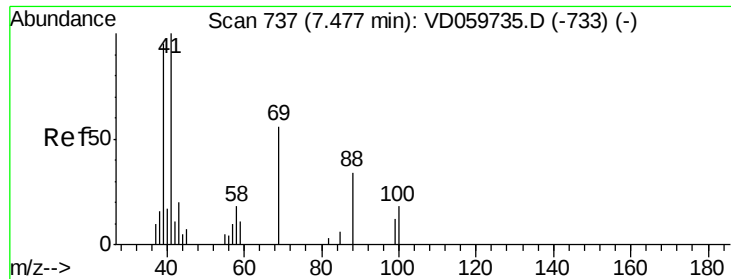
69 65.3 43.8 65.6

39 78.1 69.1 103.7



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

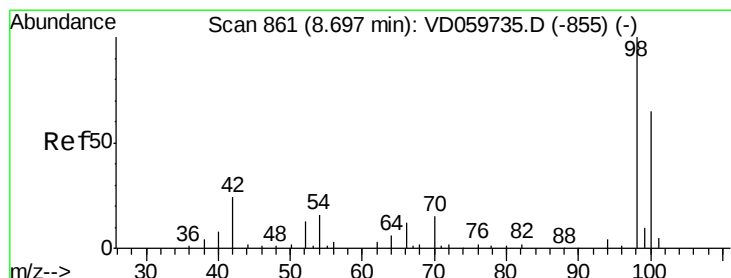
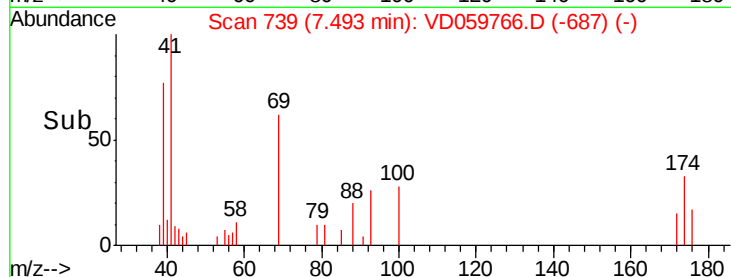
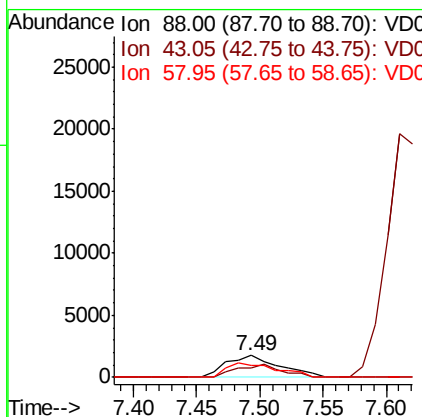
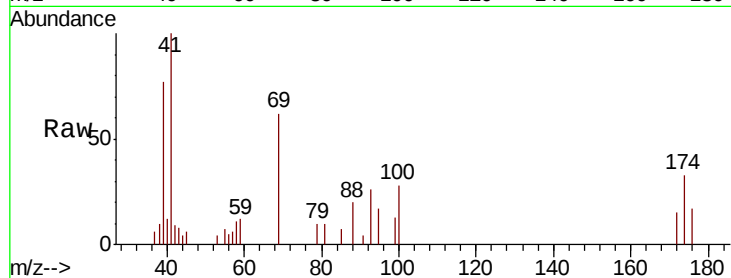




#49
1,4-Dioxane
Concen: 468.08 ug/l
RT: 7.49 min Scan# 739
Delta R.T. 0.02 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

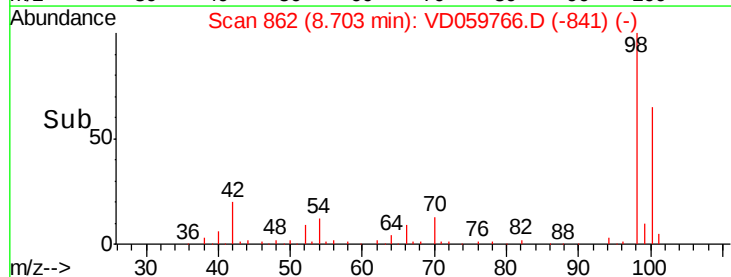
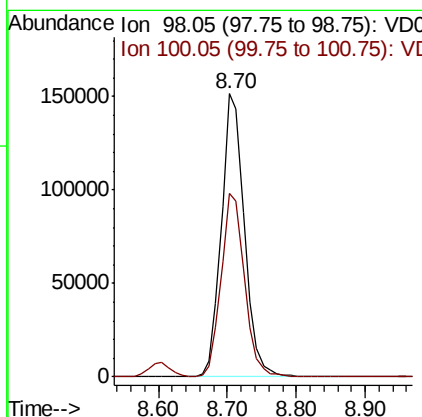
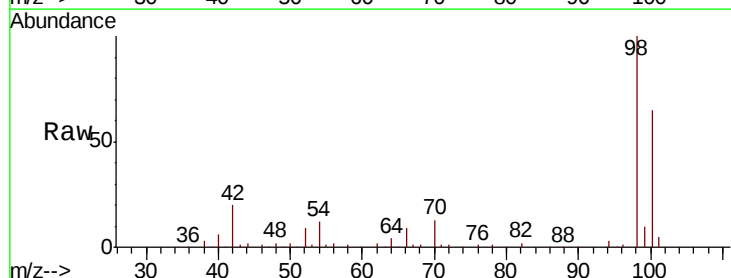
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

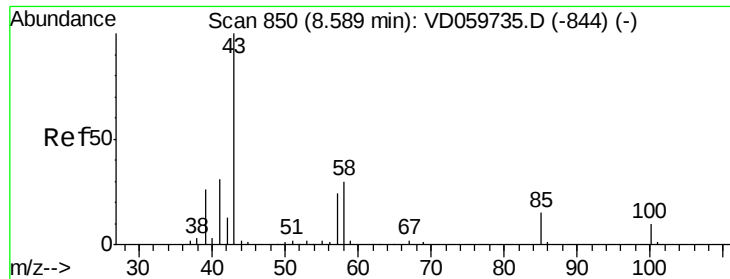
Tot Ion: 88 Resp: 5149
Ion Ratio Lower Upper
88 100
43 41.8 46.7 70.1#
58 55.2 42.1 63.1



#50
Toluene-d8
Concen: 468.08 ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 98 Resp: 351015
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 91.98 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

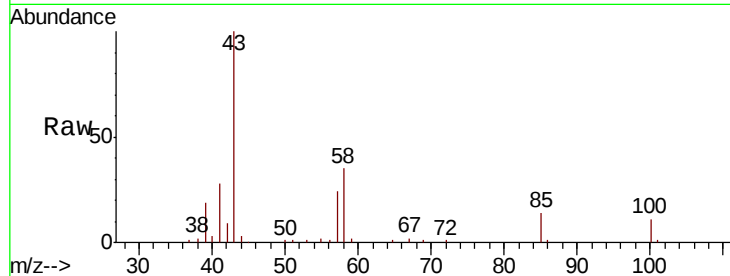
VD0814SBSD01

Tot Ion: 43 Resp: 151149

Ion Ratio Lower Upper

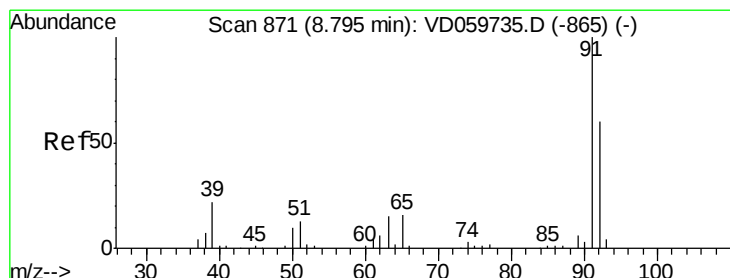
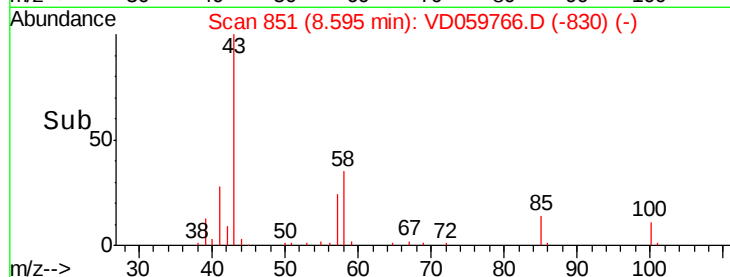
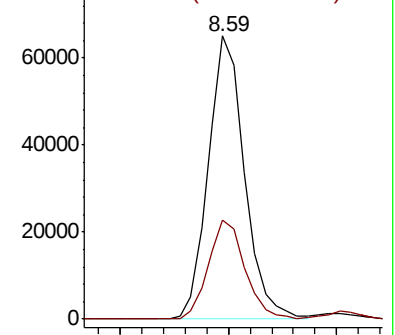
43 100

58 34.8 24.3 36.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.86 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059766.D

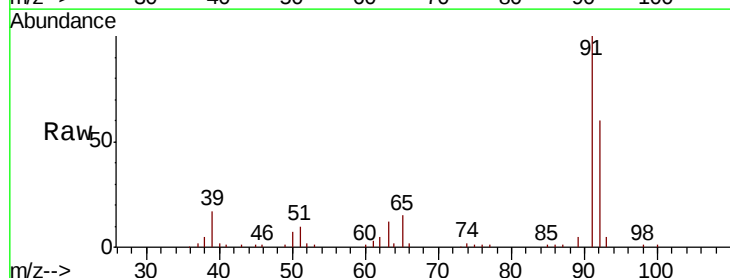
Acq: 14 Aug 2018 14:56

Tgt Ion: 92 Resp: 98569

Ion Ratio Lower Upper

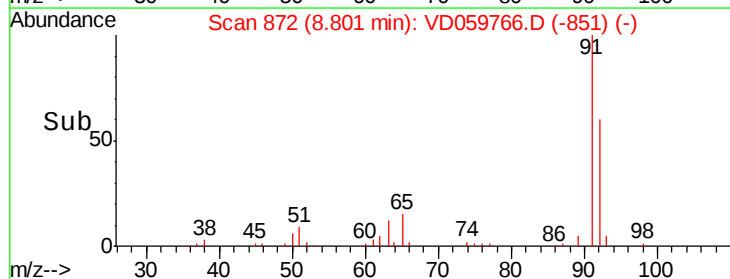
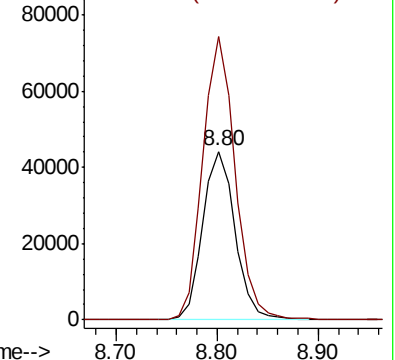
92 100

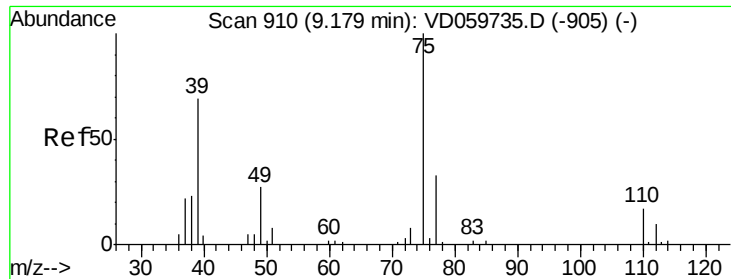
91 168.0 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

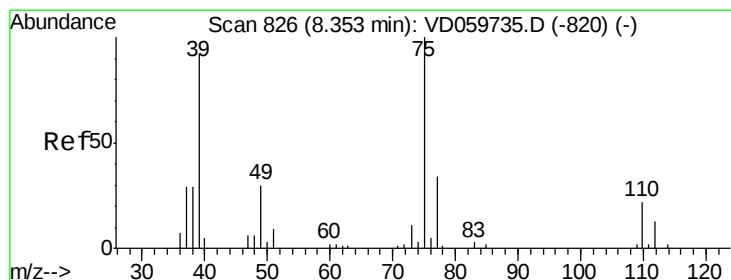
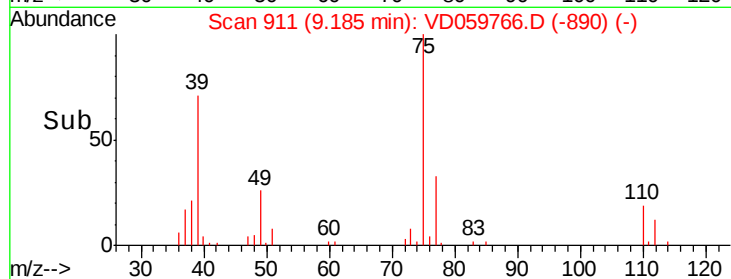
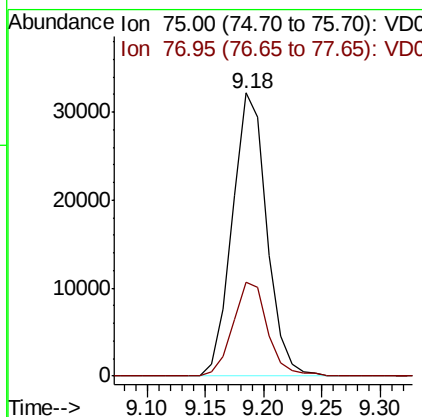
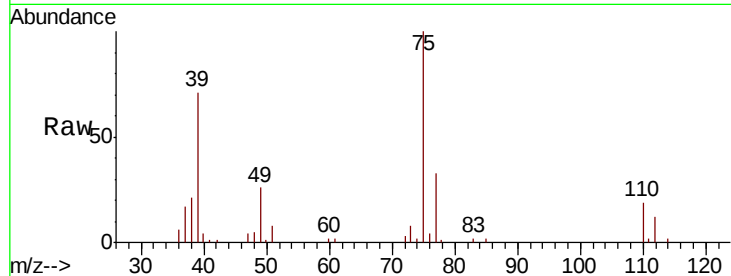




#53
 t-1,3-Dichloropropene
 Concen: 17.11 ug/l
 RT: 9.18 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

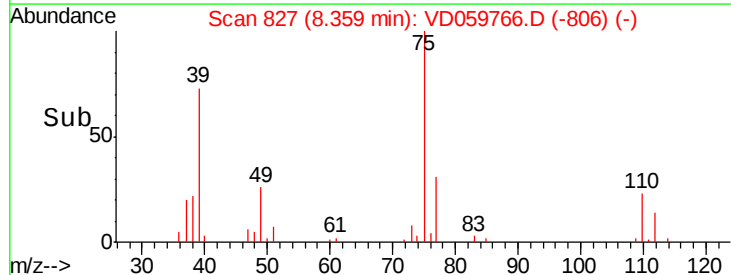
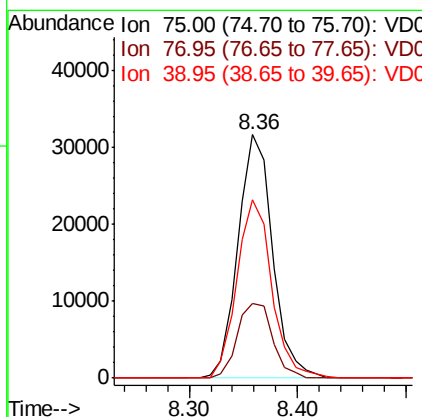
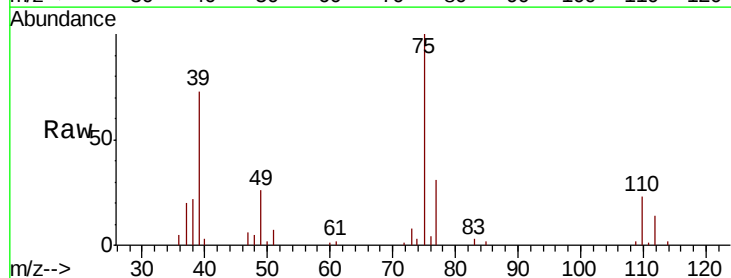
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

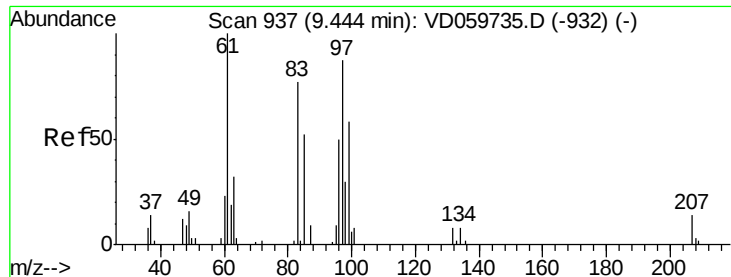
Tot Ion: 75 Resp: 65872
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.97 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion: 75 Resp: 70096
 Ion Ratio Lower Upper
 75 100
 77 30.9 27.2 40.8
 39 73.4 73.8 110.8#





#55

1,1,2-Trichloroethane

Concen: 19.56 ug/l

RT: 9.45 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

Tot Ion: 97 Resp: 33249

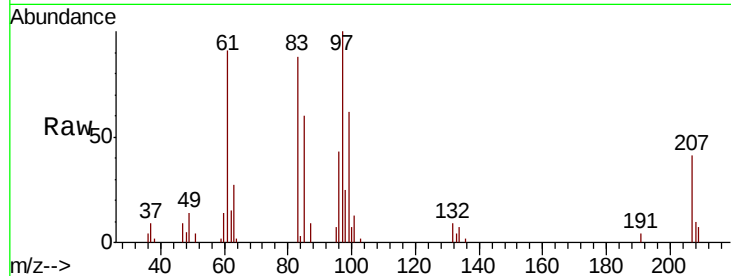
Ion Ratio Lower Upper

97 100

83 87.8 70.4 105.6

85 59.6 47.6 71.4

99 61.8 53.1 79.7

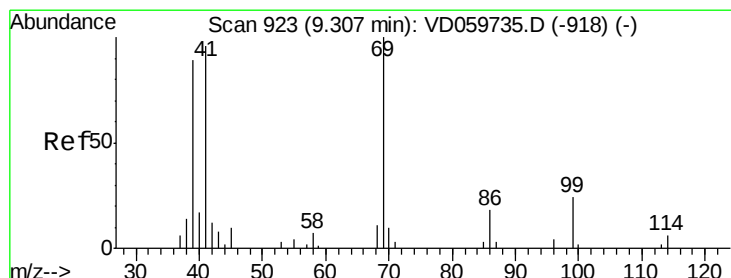
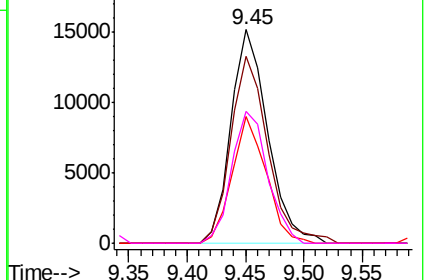
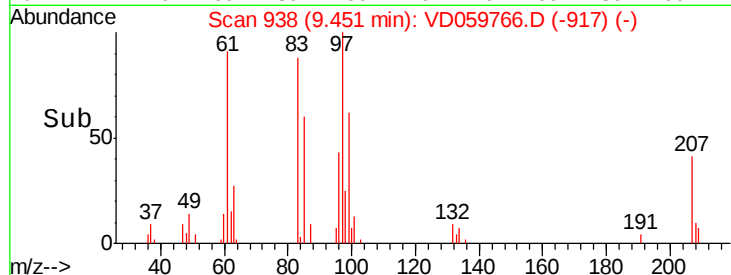


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.85 ug/l

RT: 9.31 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

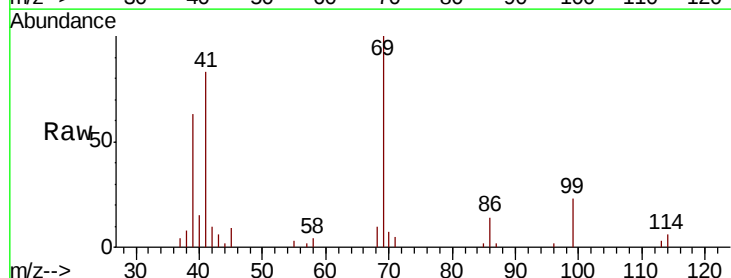
Tgt Ion: 69 Resp: 38460

Ion Ratio Lower Upper

69 100

41 83.5 76.7 115.1

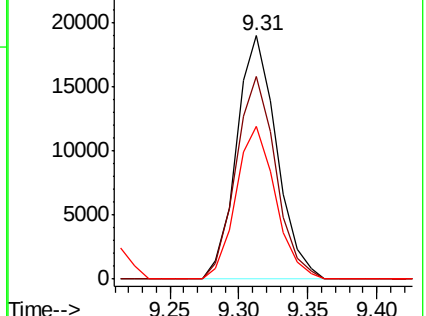
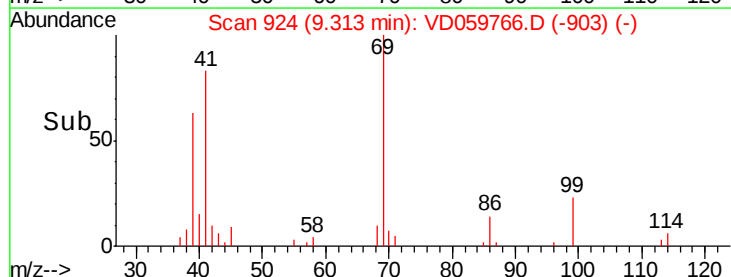
39 62.5 71.0 106.4#

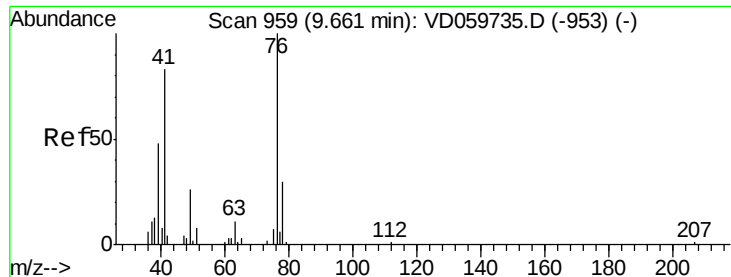


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.03 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

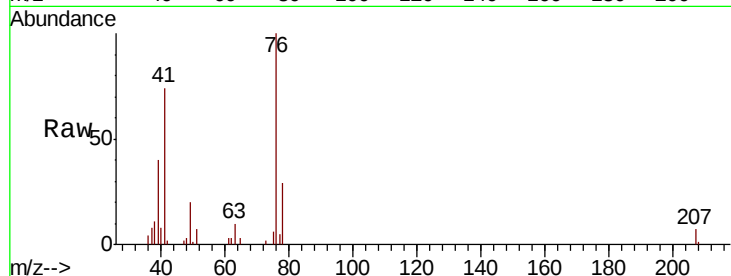
VD0814SBSD01

Tot Ion: 76 Resp: 56683

Ion Ratio Lower Upper

76 100

78 29.3 23.8 35.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

30000

25000

20000

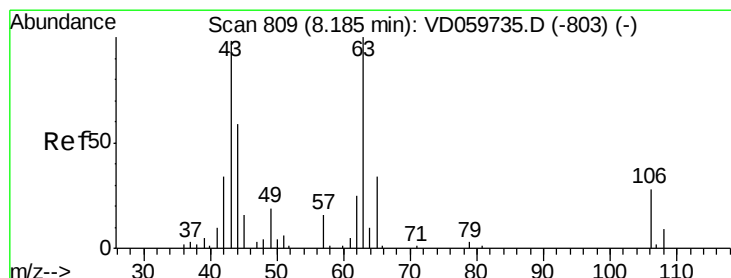
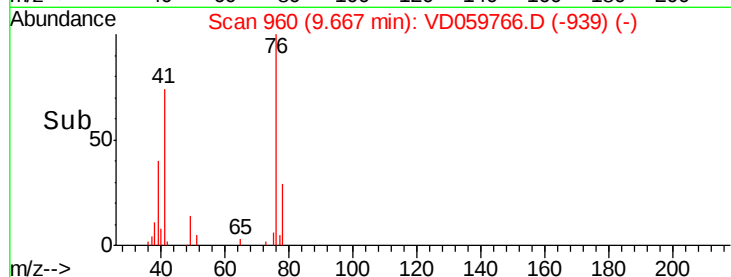
15000

10000

5000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 112.55 ug/l

RT: 8.19 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD059766.D

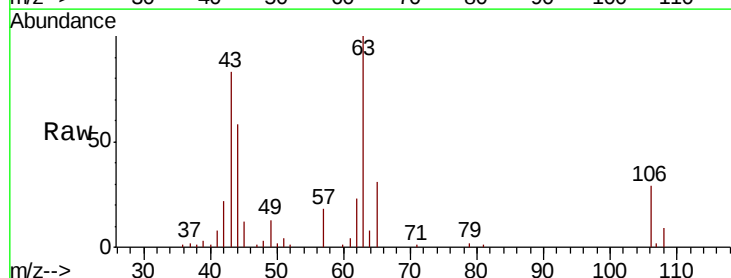
Acq: 14 Aug 2018 14:56

Tgt Ion: 63 Resp: 100981

Ion Ratio Lower Upper

63 100

106 28.6 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.19

50000

40000

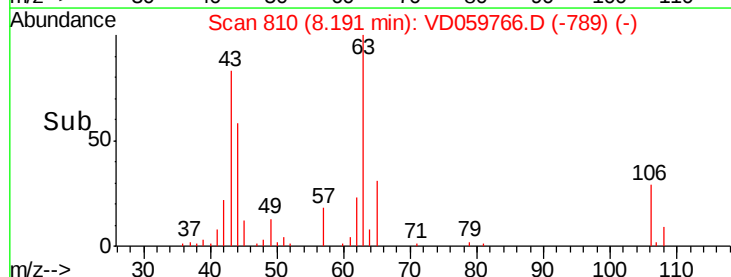
30000

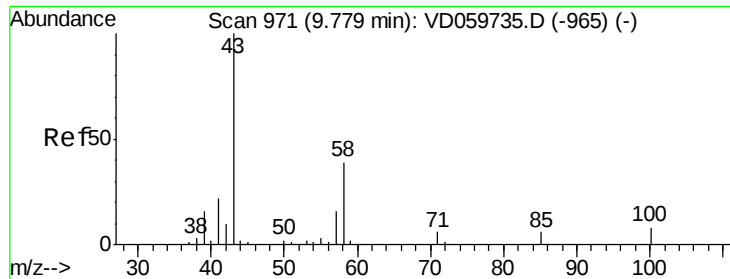
20000

10000

0

Time-->

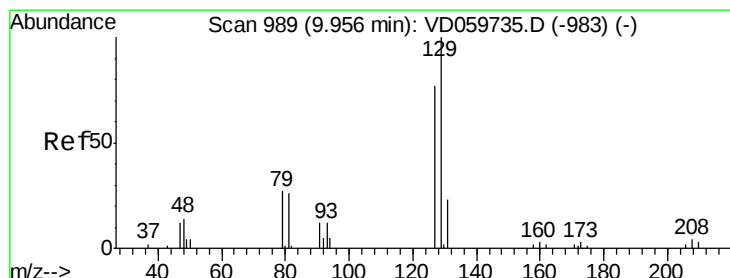
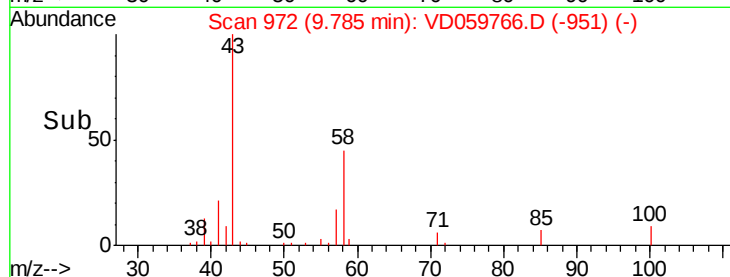
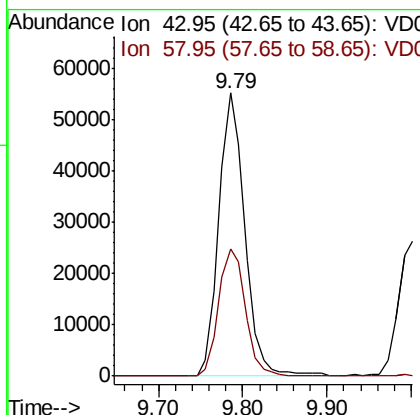
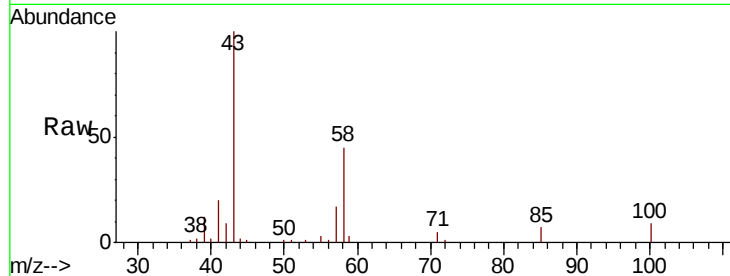




#59
2-Hexanone
Concen: 96.27 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

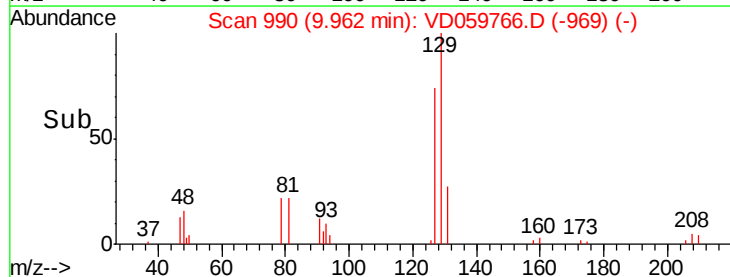
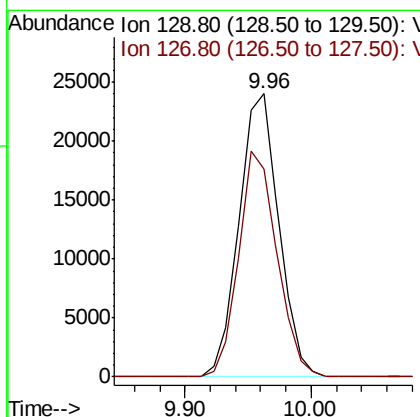
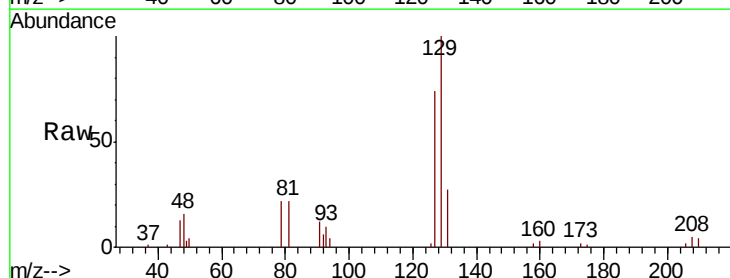
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

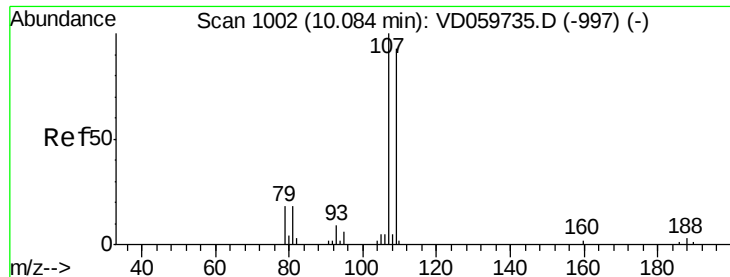
Tot Ion: 43 Resp: 118380
Ion Ratio Lower Upper
43 100
58 44.9 19.8 59.3



#60
Dibromochloromethane
Concen: 15.95 ug/l
RT: 9.96 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion:129 Resp: 52329
Ion Ratio Lower Upper
129 100
127 73.5 38.6 115.7





#61

1,2-Dibromoethane

Concen: 18.00 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

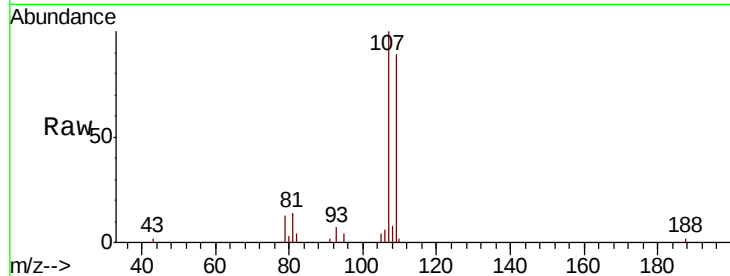
VD0814SBSD01

Tot Ion:107 Resp: 38278

Ion Ratio Lower Upper

107 100

109 88.9 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

20000

15000

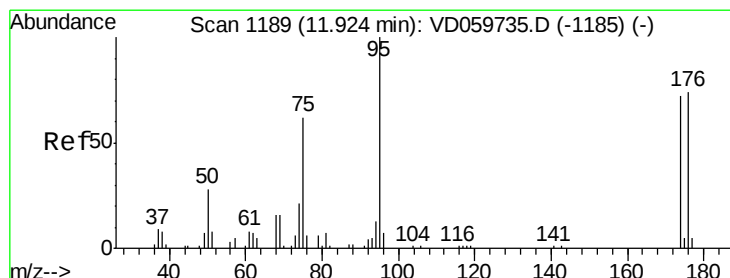
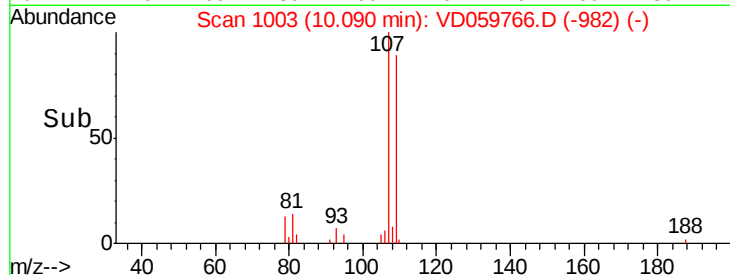
10000

5000

0

Time-->

10.00 10.05 10.10 10.15



#62

4-Bromofluorobenzene

Concen: 18.00 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

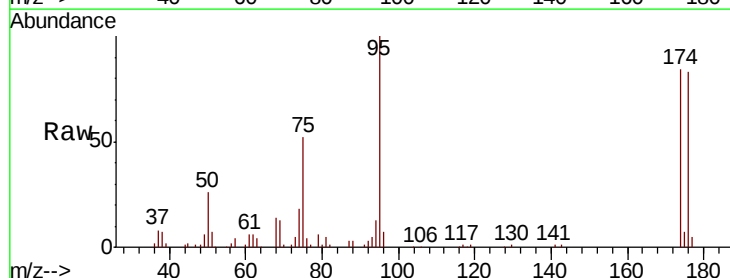
Tgt Ion: 95 Resp: 162091

Ion Ratio Lower Upper

95 100

174 84.4 0.0 143.2

176 83.2 0.0 147.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

150000

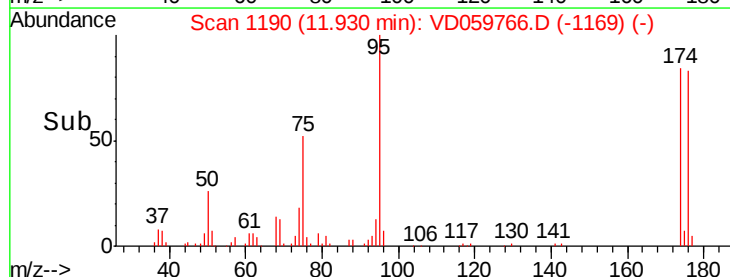
100000

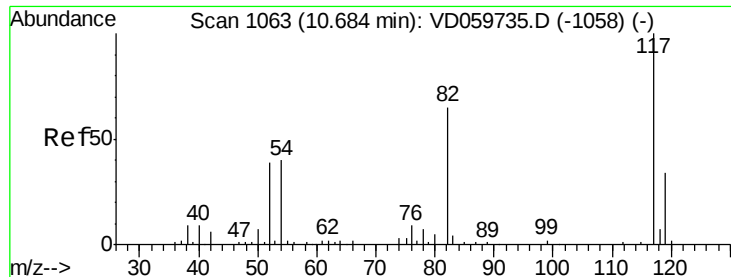
50000

0

Time-->

11.90 12.00

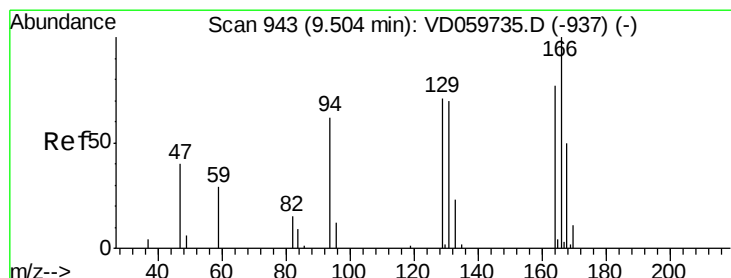
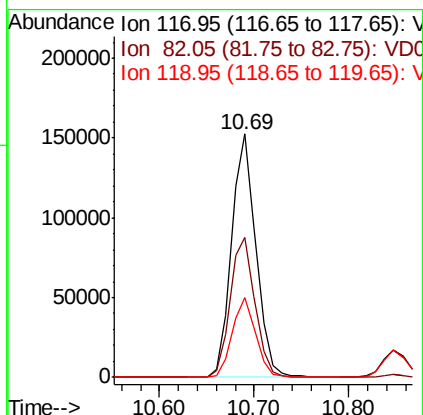
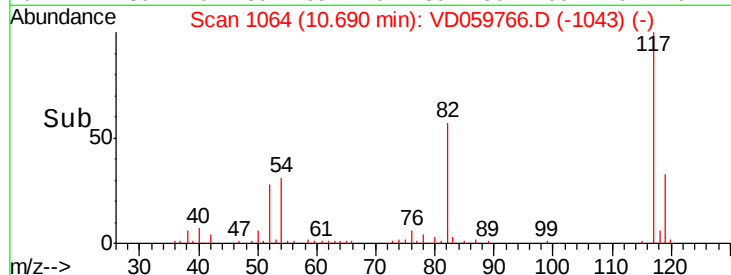
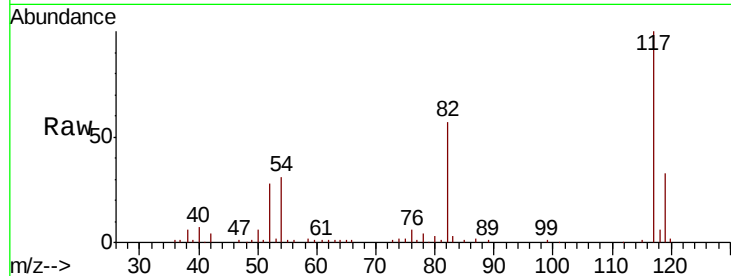




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

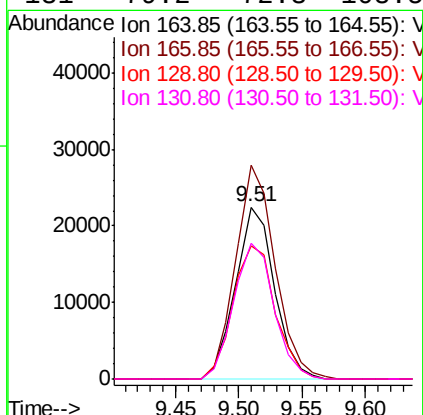
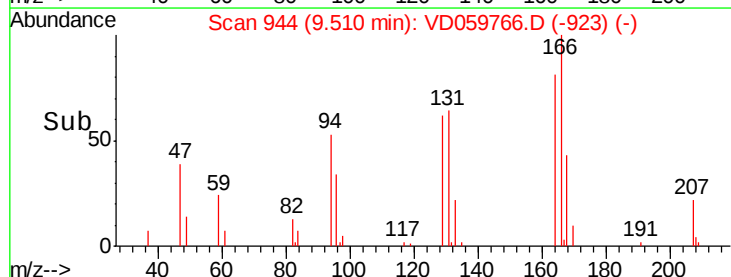
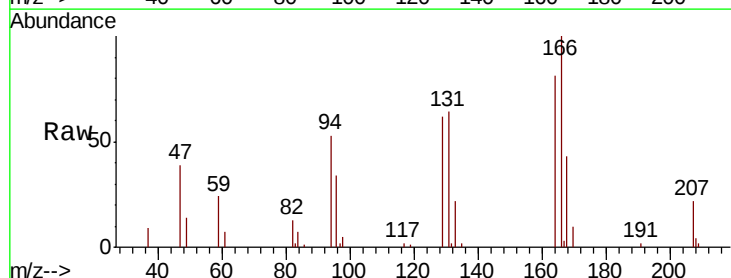
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

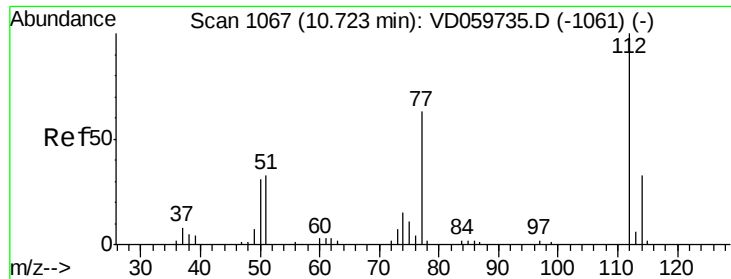
Tot Ion:117 Resp: 270194
Ion Ratio Lower Upper
117 100
82 57.5 51.9 77.9
119 32.9 27.4 41.0



#64
Tetrachloroethene
Concen: 18.16 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion:164 Resp: 48151
Ion Ratio Lower Upper
164 100
166 124.1 103.5 155.3
129 77.3 73.5 110.3
131 79.2 72.3 108.5

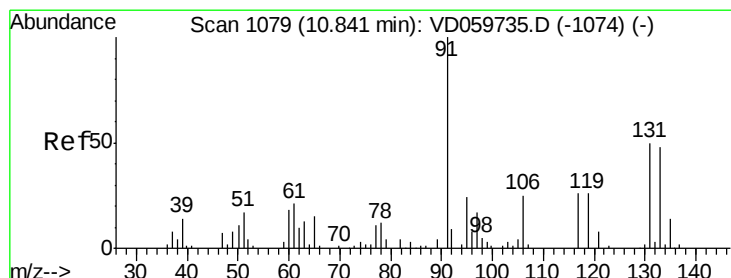
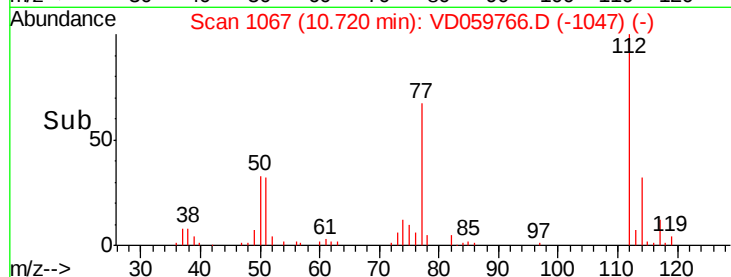
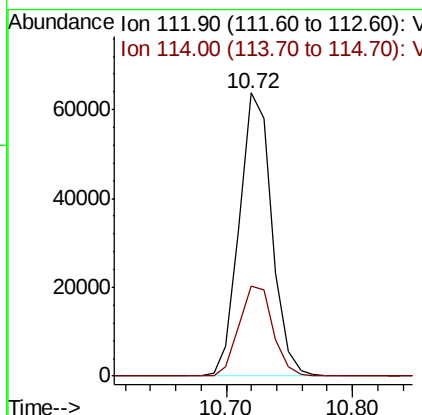
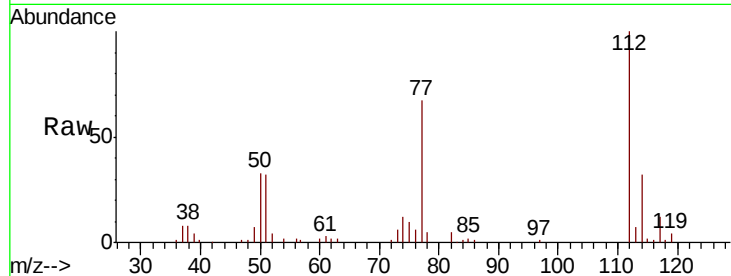




#65
Chlorobenzene
Concen: 20.60 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

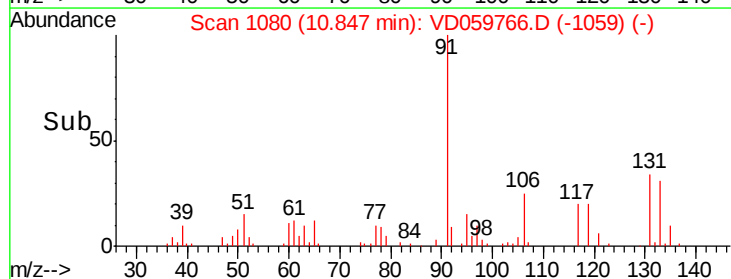
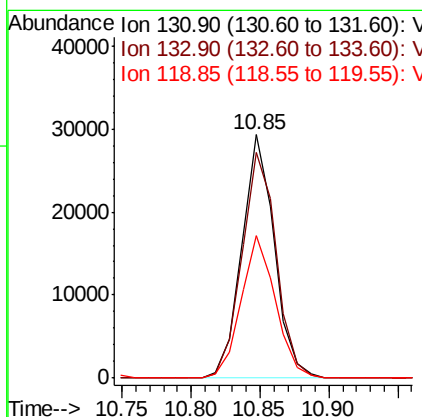
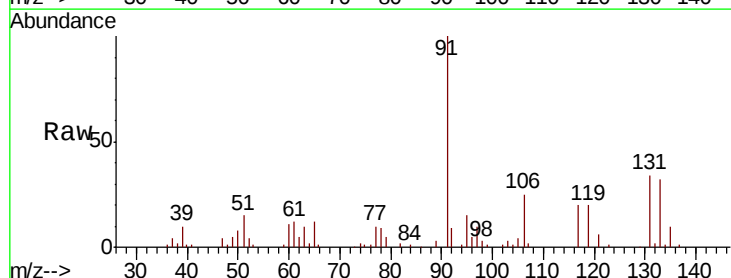
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

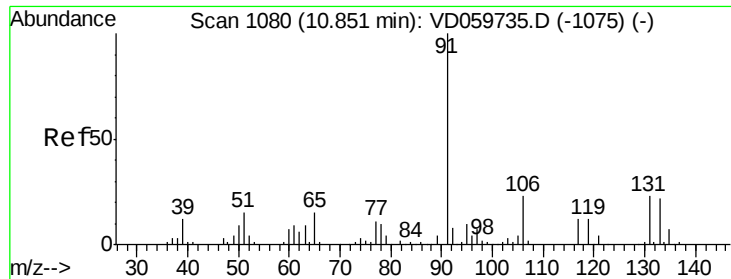
Tot Ion:112 Resp: 113574
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 17.28 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion:131 Resp: 48267
Ion Ratio Lower Upper
131 100
133 92.8 48.1 144.3
119 58.8 26.2 78.5

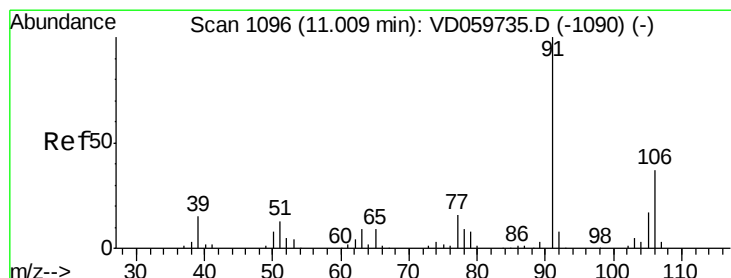
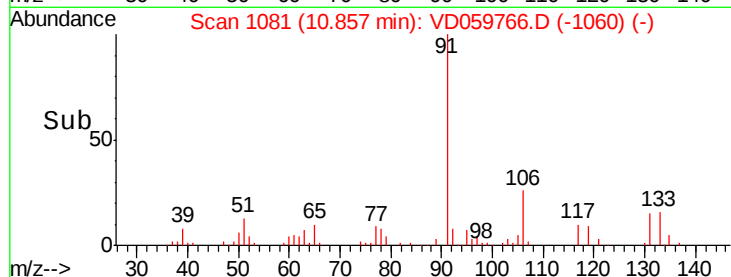
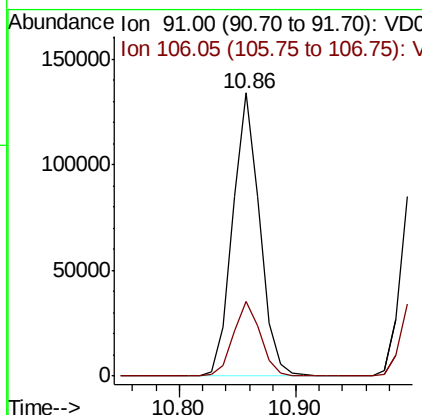
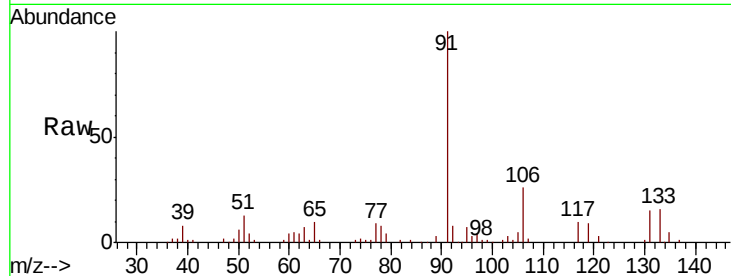




#67
Ethyl Benzene
Concen: 20.73 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

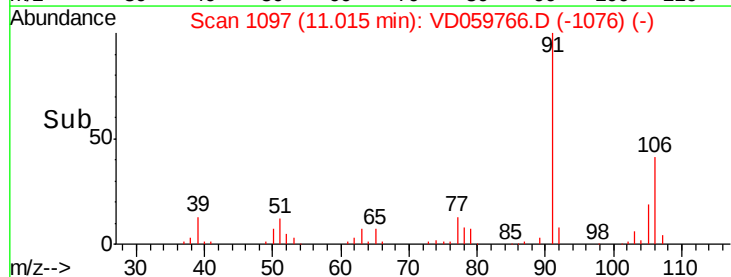
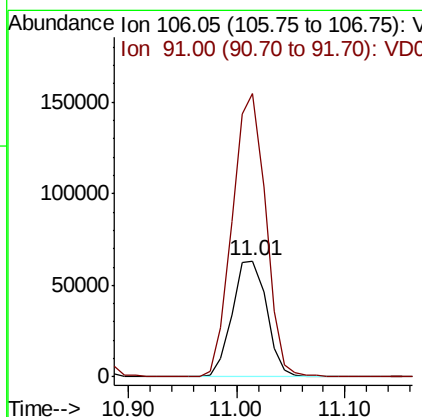
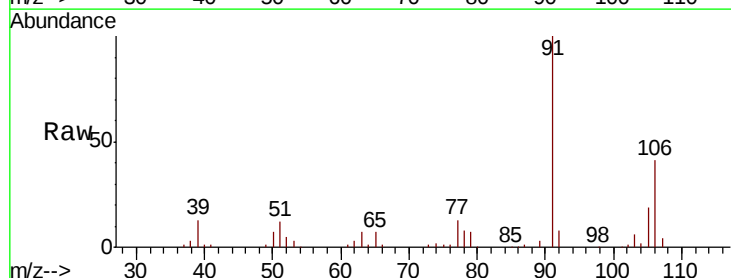
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

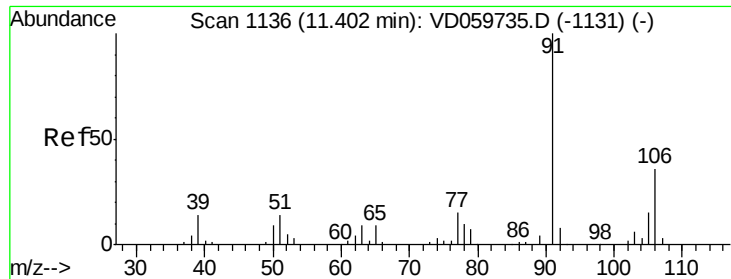
Tot Ion: 91 Resp: 214237
Ion Ratio Lower Upper
91 100
106 26.3 18.8 28.2



#68
m/p-Xylenes
Concen: 42.52 ug/l
RT: 11.01 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 106 Resp: 140836
Ion Ratio Lower Upper
106 100
91 244.1 213.8 320.8

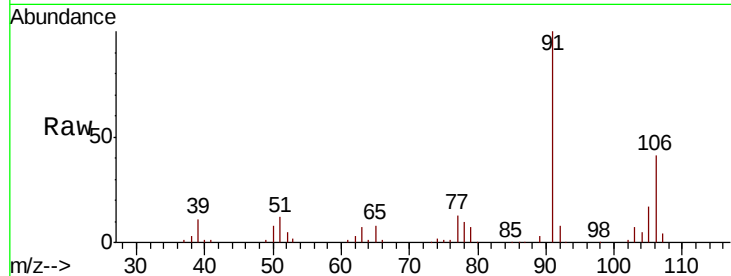




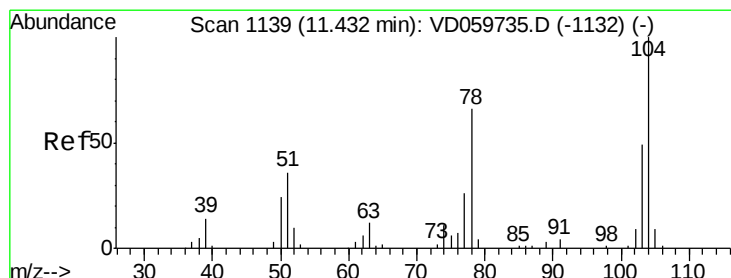
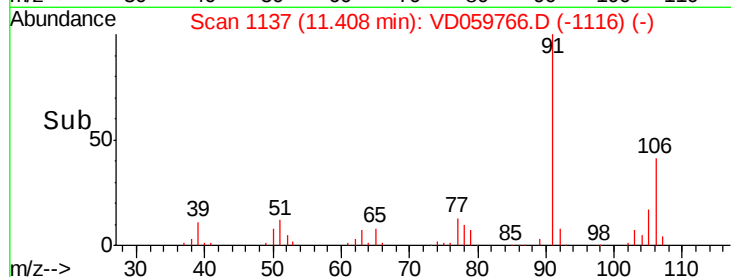
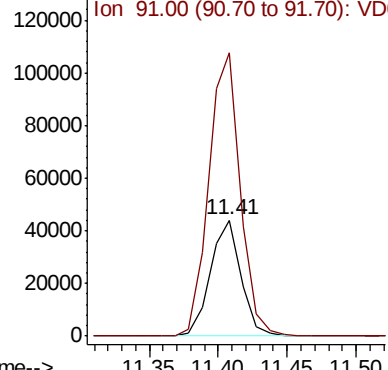
#69
o-Xylene
Concen: 20.97 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion:106 Resp: 67558
Ion Ratio Lower Upper
106 100
91 244.0 139.8 419.4

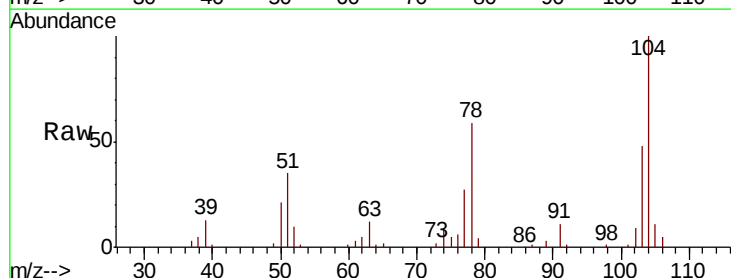


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

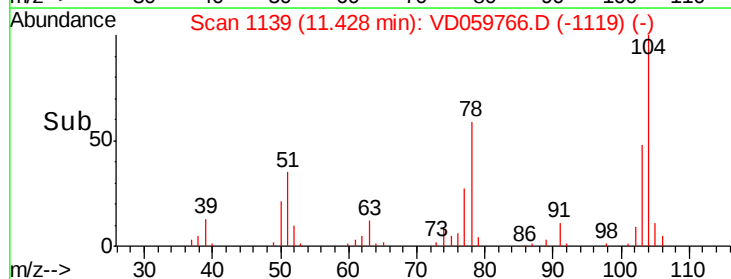
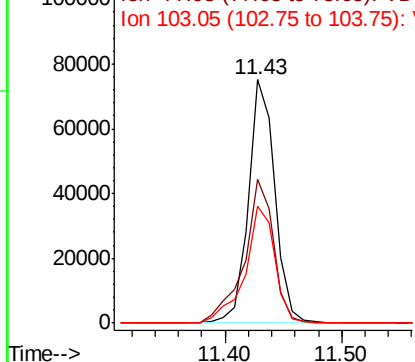


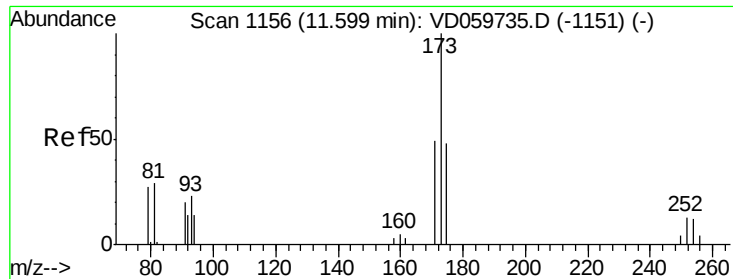
#70
Styrene
Concen: 22.33 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion:104 Resp: 117799
Ion Ratio Lower Upper
104 100
78 59.0 52.8 79.2
103 48.2 39.1 58.7



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: 16.49 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

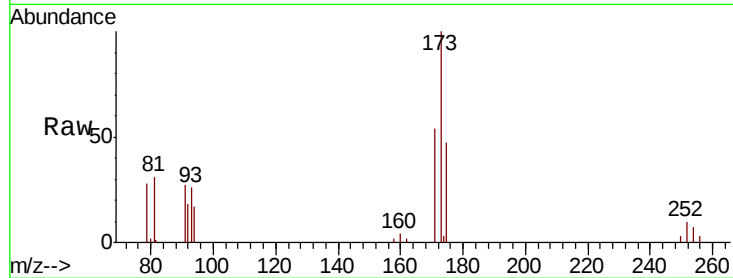
Tot Ion:173 Resp: 34826

Ion Ratio Lower Upper

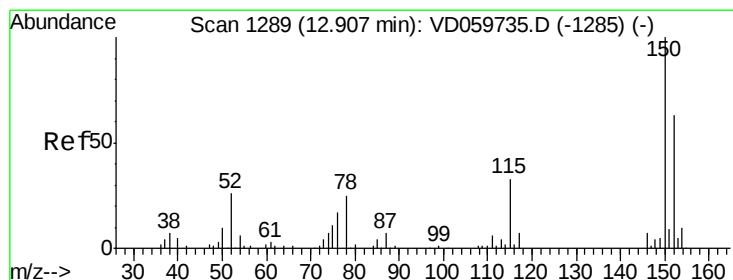
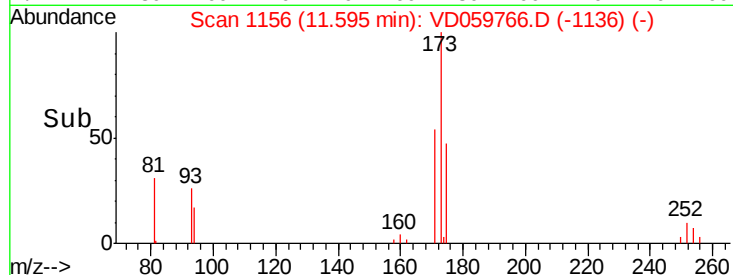
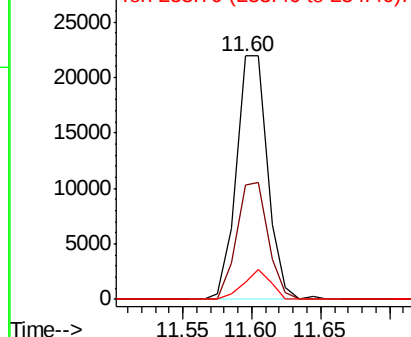
173 100

175 46.8 24.1 72.2

254 7.0 9.3 13.9#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

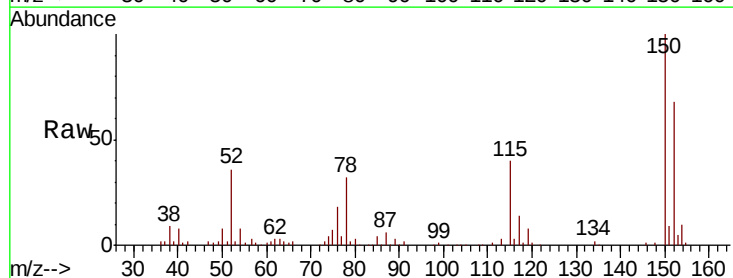
Tgt Ion:152 Resp: 149571

Ion Ratio Lower Upper

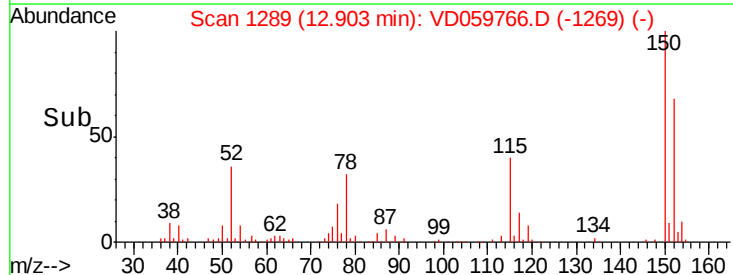
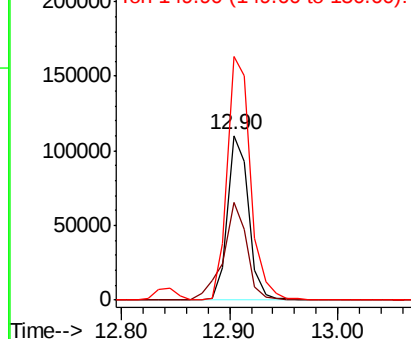
152 100

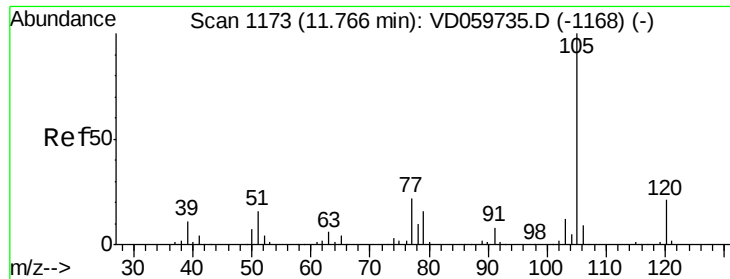
115 59.1 29.8 89.3

150 147.8 0.0 320.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.56 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

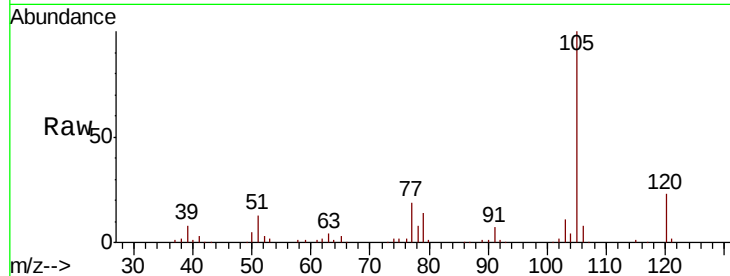
VD0814SBS01

Tot Ion:105 Resp: 208968

Ion Ratio Lower Upper

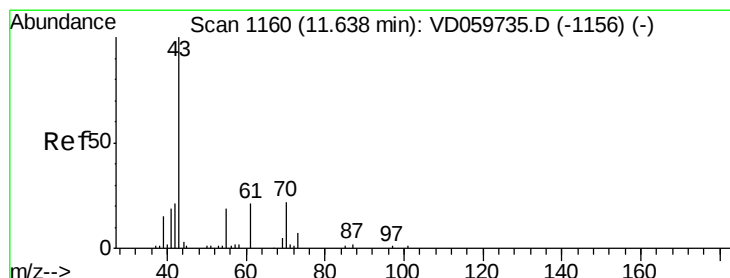
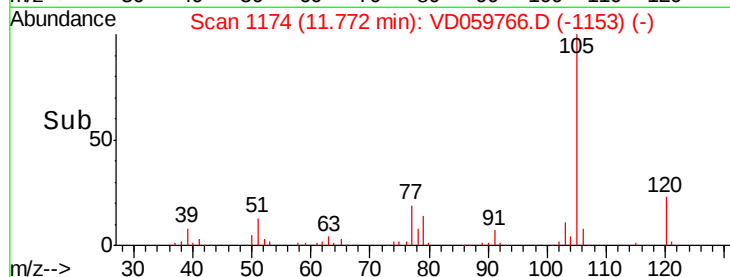
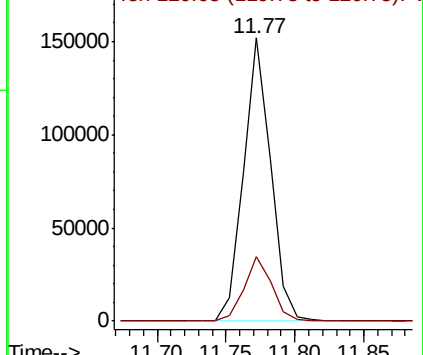
105 100

120 22.8 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.11 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Tgt Ion: 43 Resp: 61494

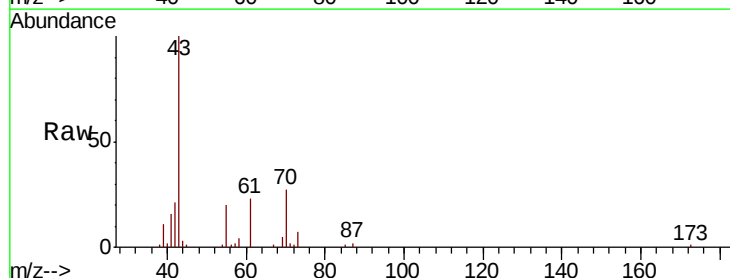
Ion Ratio Lower Upper

43 100

70 27.4 18.0 27.0#

55 19.8 14.8 22.2

61 22.5 17.1 25.7

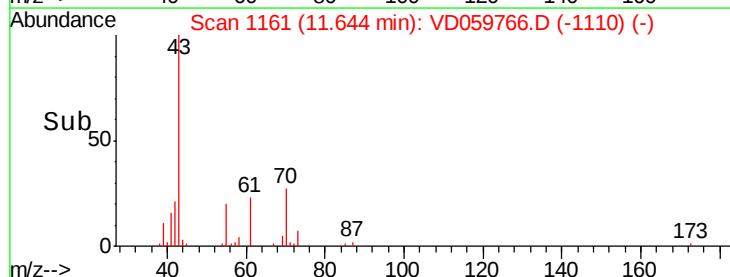
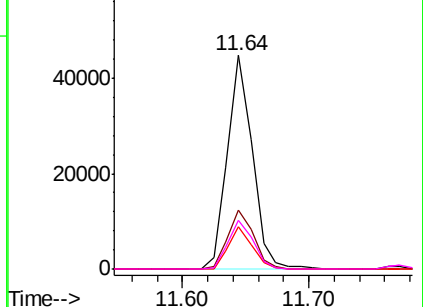


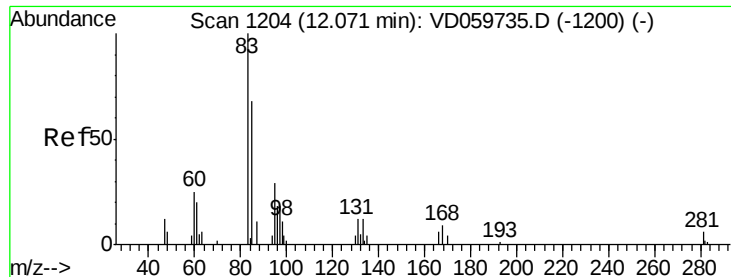
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 22.70 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

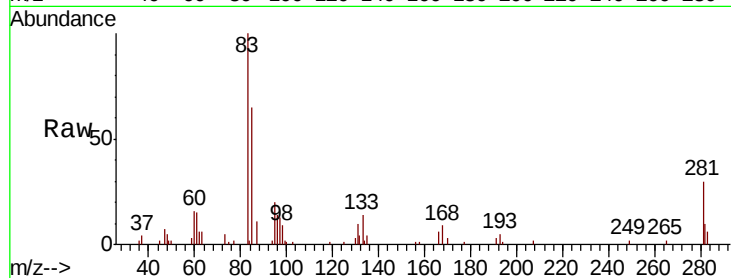
Tot Ion: 83 Resp: 42085

Ion Ratio Lower Upper

83 100

131 10.4 6.3 19.1

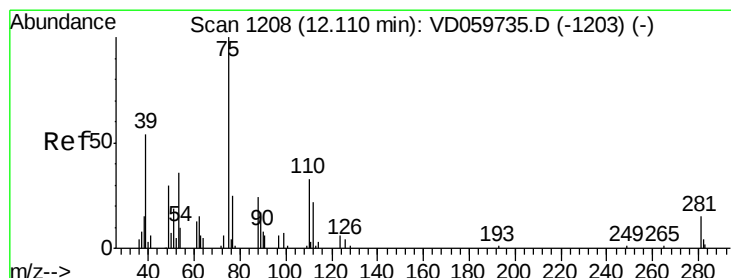
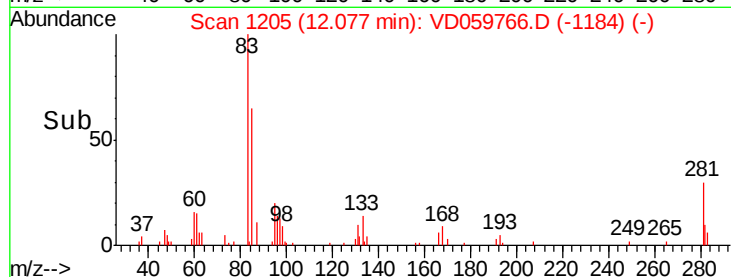
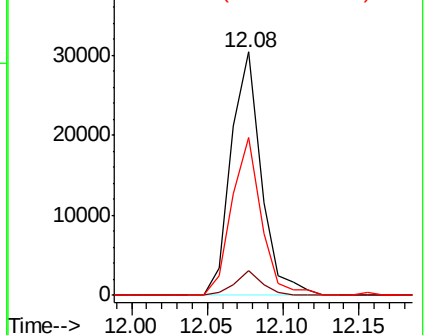
85 64.6 34.2 102.5



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: 20.62 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059766.D

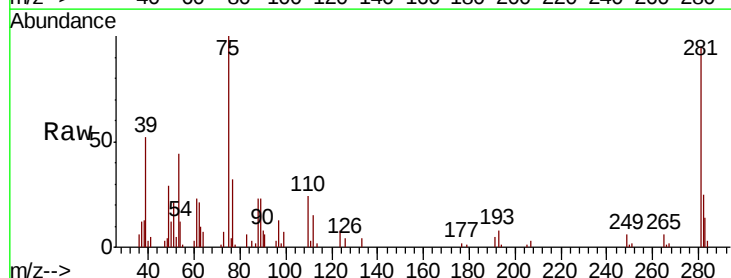
Acq: 14 Aug 2018 14:56

Tgt Ion: 75 Resp: 45628

Ion Ratio Lower Upper

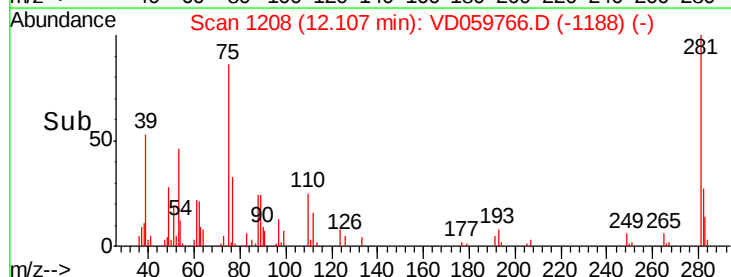
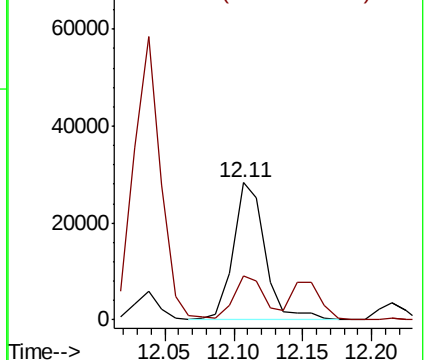
75 100

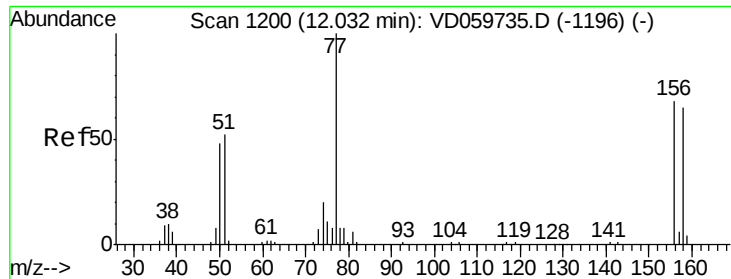
77 31.9 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.23 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

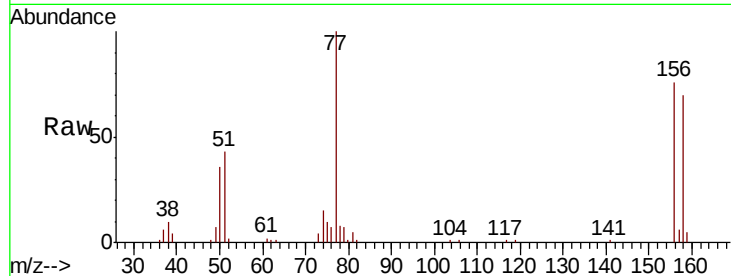
Tot Ion:156 Resp: 60021

Ion Ratio Lower Upper

156 100

77 131.6 73.3 219.8

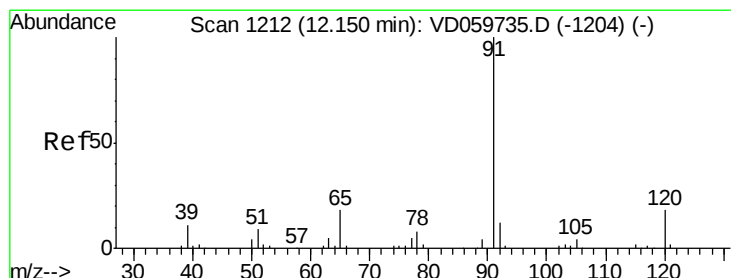
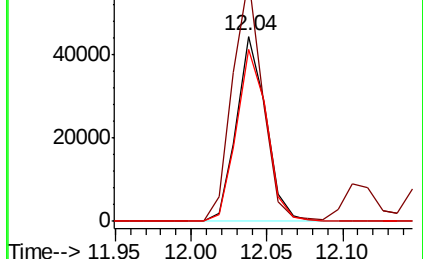
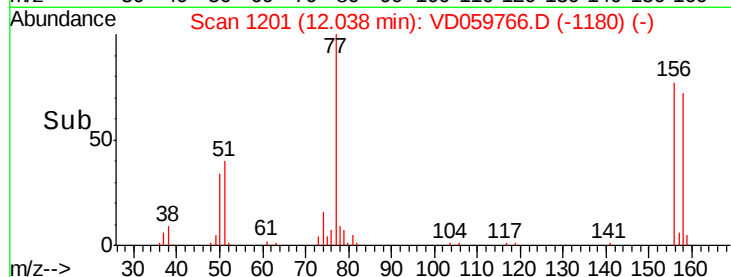
158 92.8 47.5 142.5



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: 21.74 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD059766.D

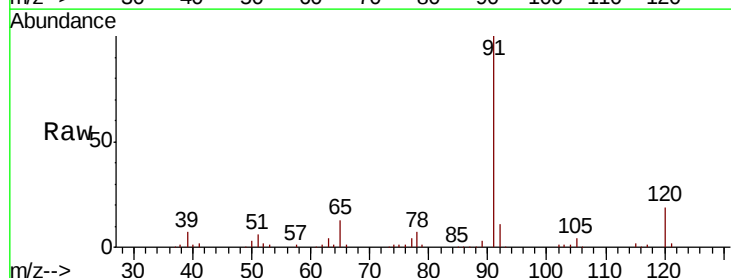
Acq: 14 Aug 2018 14:56

Tgt Ion: 91 Resp: 268338

Ion Ratio Lower Upper

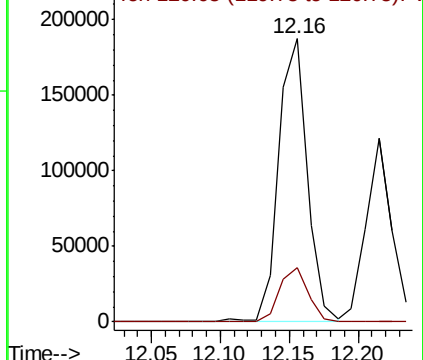
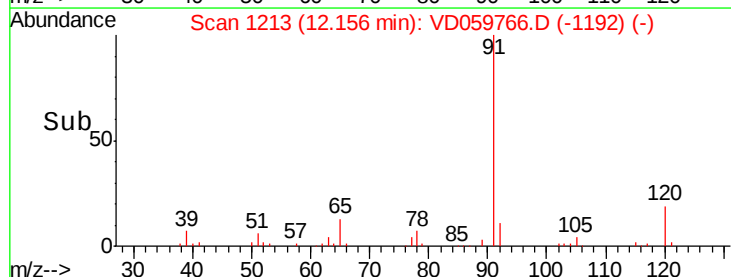
91 100

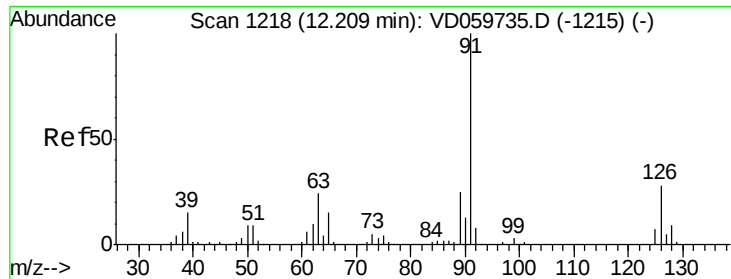
120 19.3 8.9 26.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

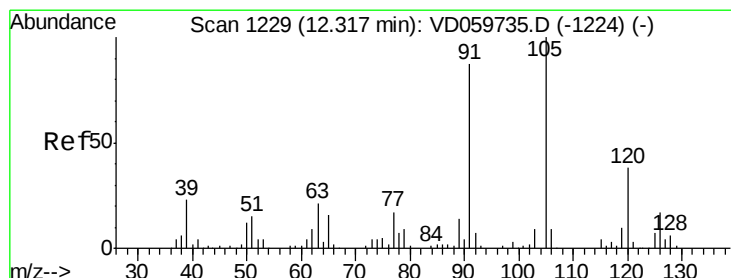
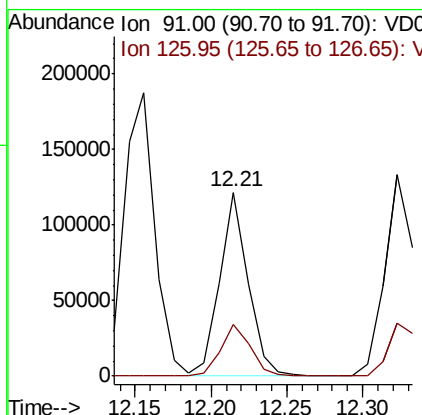
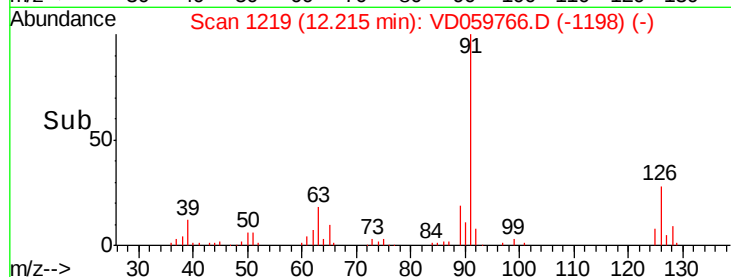
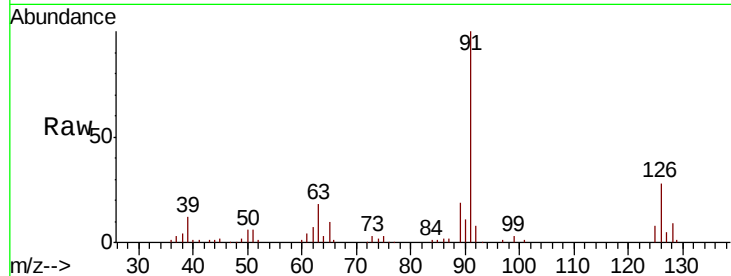




#79
 2-Chlorotoluene
 Concen: 20.19 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

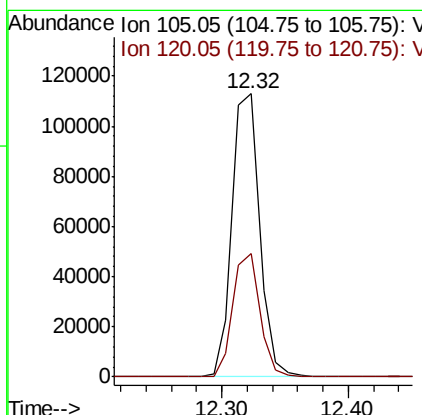
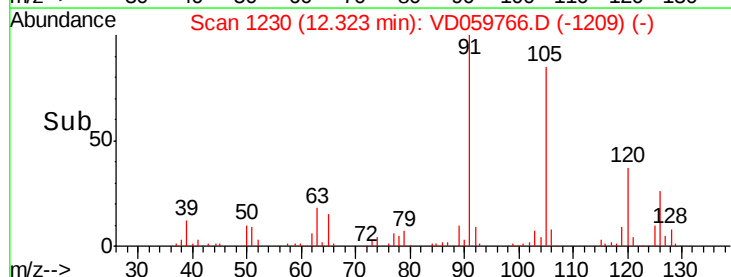
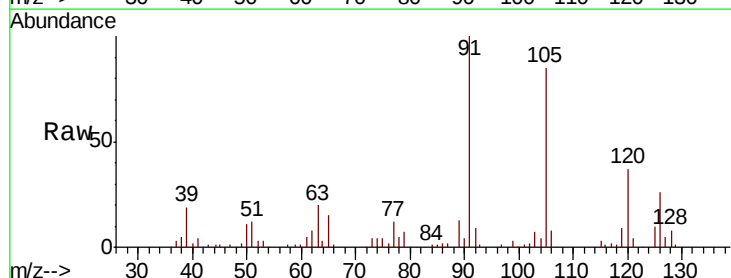
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

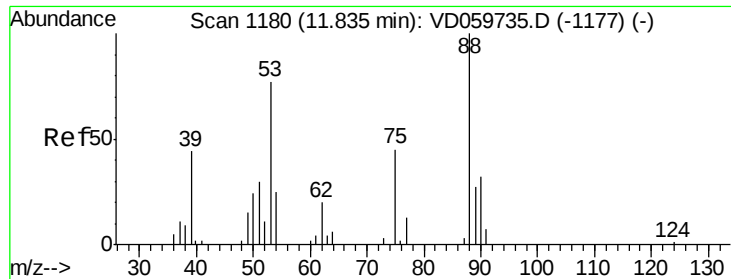
Tot Ion: 91 Resp: 157799
 Ion Ratio Lower Upper
 91 100
 126 28.0 13.3 39.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.32 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion: 105 Resp: 170108
 Ion Ratio Lower Upper
 105 100
 120 43.5 19.2 57.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.83 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

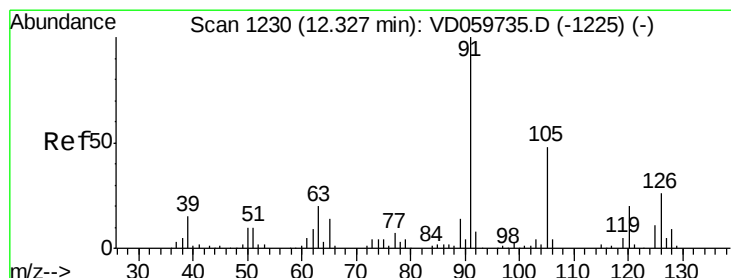
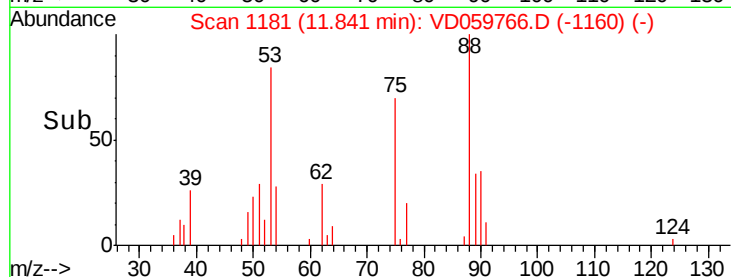
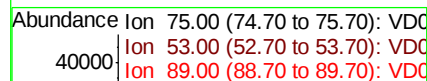
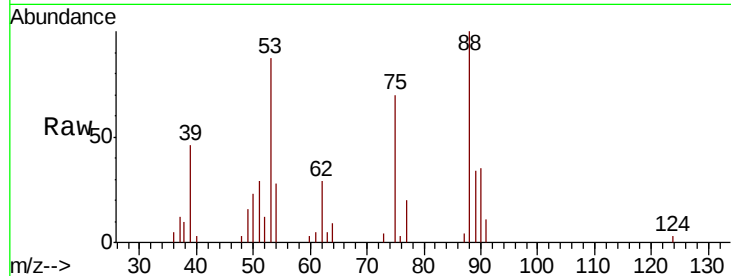
Tot Ion: 75 Resp: 10877

Ion Ratio Lower Upper

75 100

53 123.4 137.5 206.3#

89 48.0 48.3 72.5#



#82

4-Chlorotoluene

Concen: 19.84 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059766.D

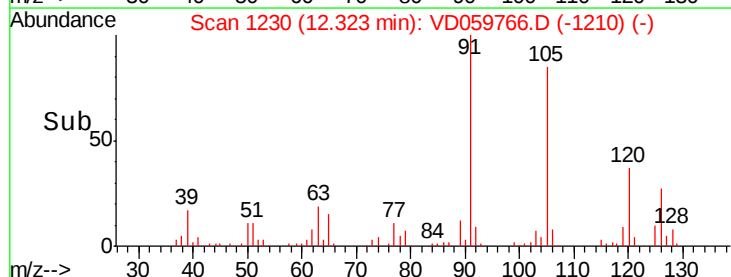
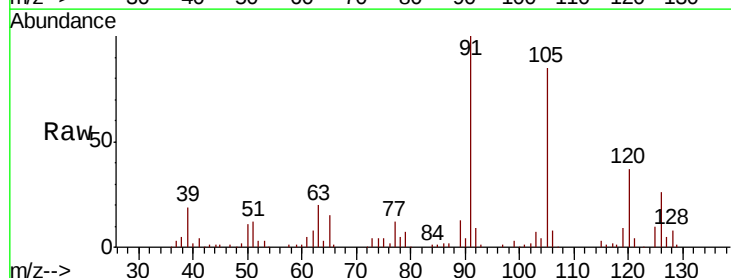
Acq: 14 Aug 2018 14:56

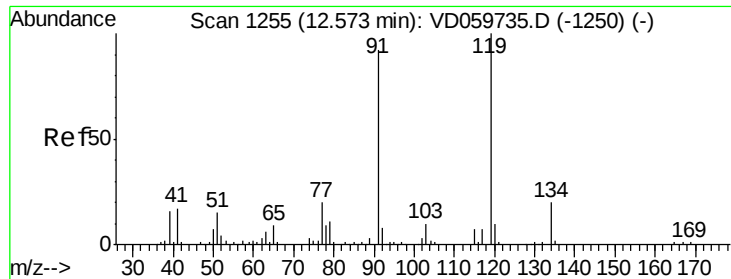
Tgt Ion: 91 Resp: 182783

Ion Ratio Lower Upper

91 100

126 26.3 12.8 38.3





#83

tert-Butylbenzene

Concen: 19.80 ug/l

RT: 12.58 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD059766.D

Acq: 14 Aug 2018 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

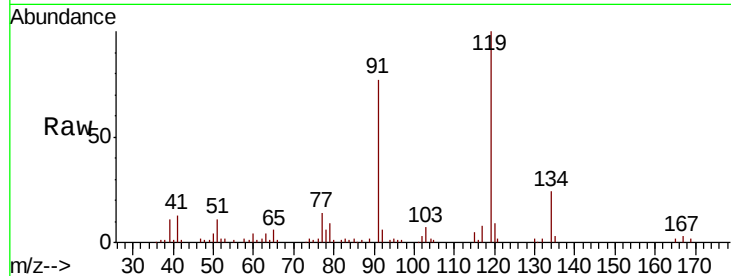
Tot Ion:119 Resp: 189589

Ion Ratio Lower Upper

119 100

91 76.6 46.1 138.2

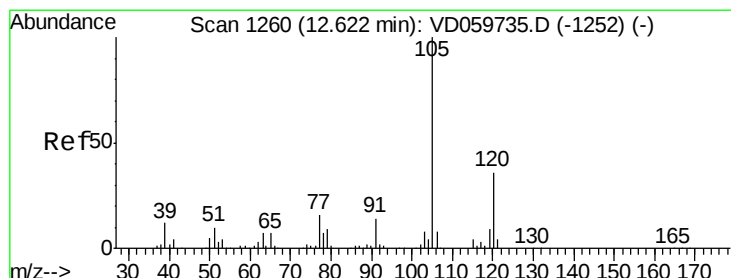
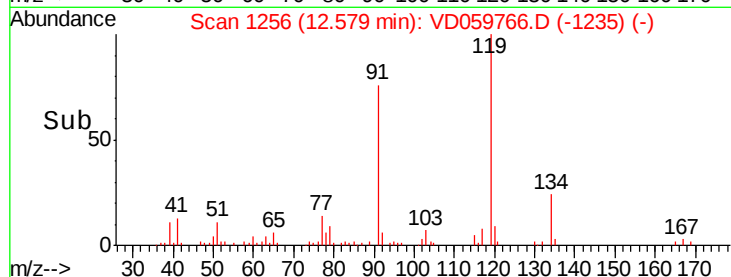
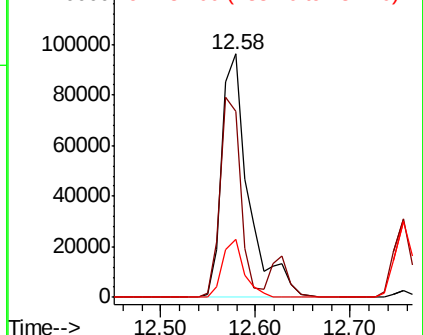
134 23.6 9.9 29.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.05 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD059766.D

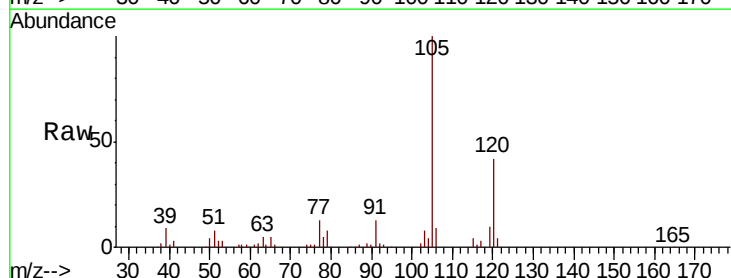
Acq: 14 Aug 2018 14:56

Tgt Ion:105 Resp: 182129

Ion Ratio Lower Upper

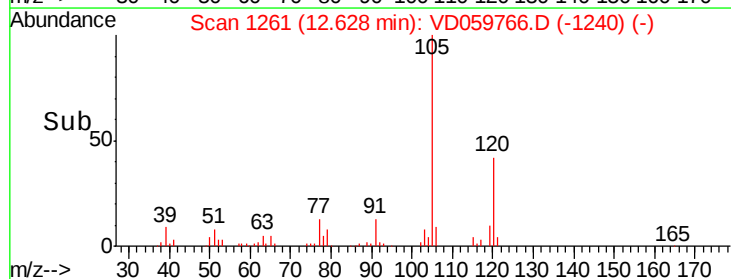
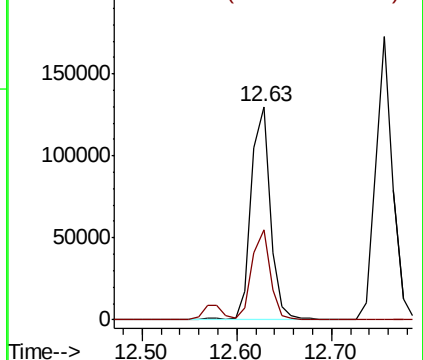
105 100

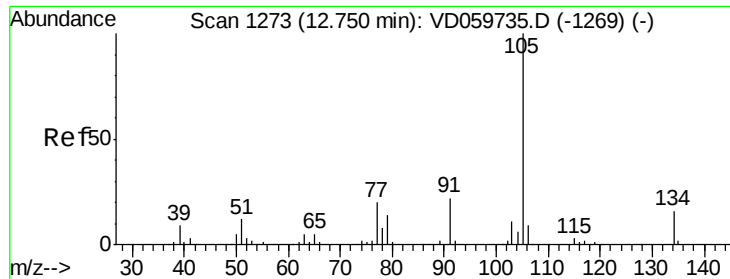
120 42.4 17.9 53.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

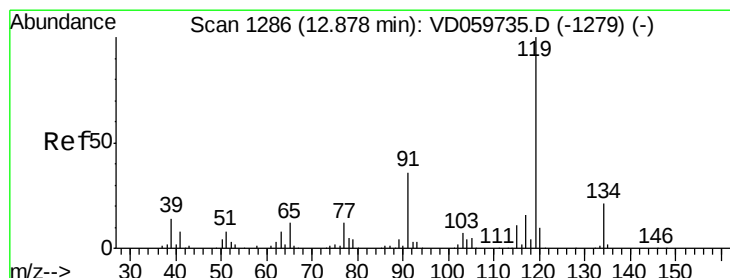
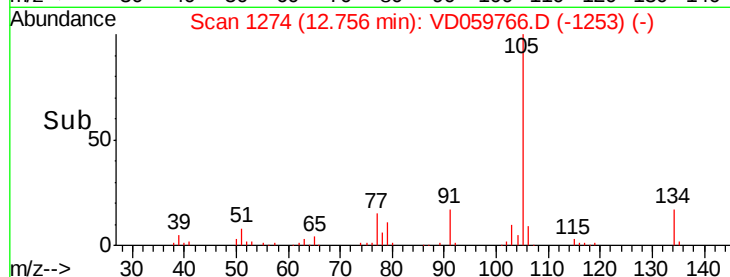
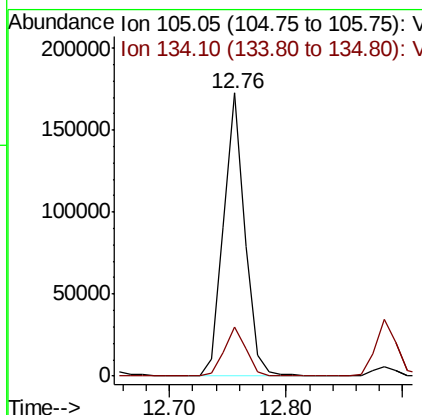
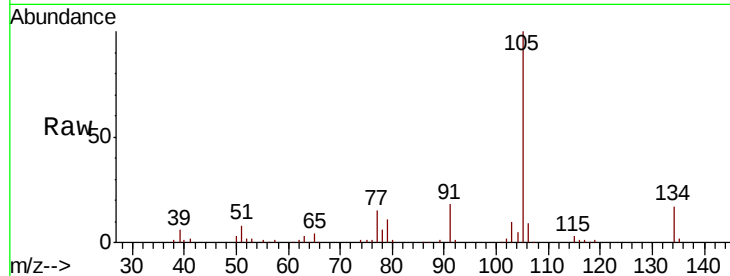




#85
 sec-Butylbenzene
 Concen: 21.59 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

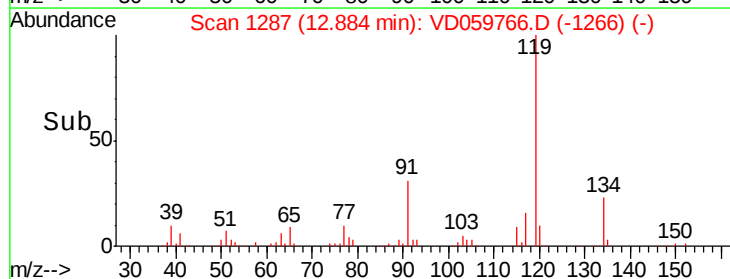
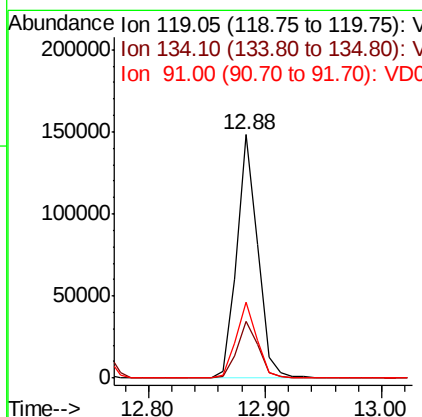
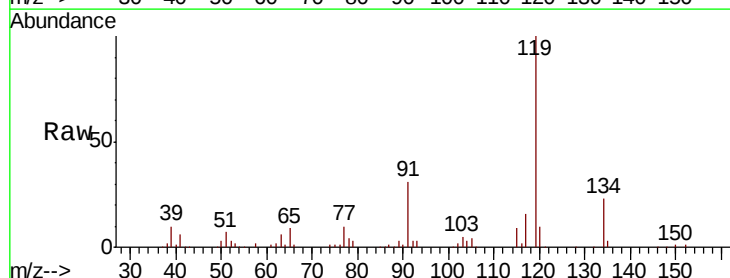
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

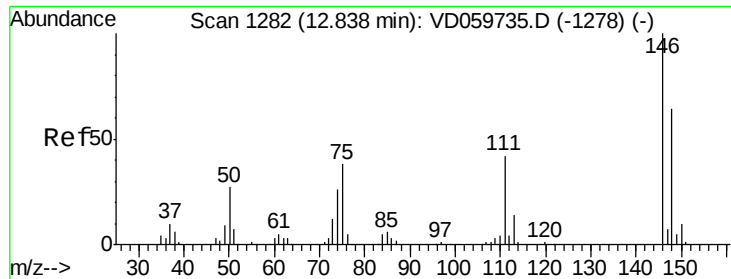
Tot Ion:105 Resp: 219726
 Ion Ratio Lower Upper
 105 100
 134 17.4 7.8 23.4



#86
 p-Isopropyltoluene
 Concen: 20.18 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion:119 Resp: 185134
 Ion Ratio Lower Upper
 119 100
 134 23.2 10.5 31.6
 91 31.0 17.9 53.7

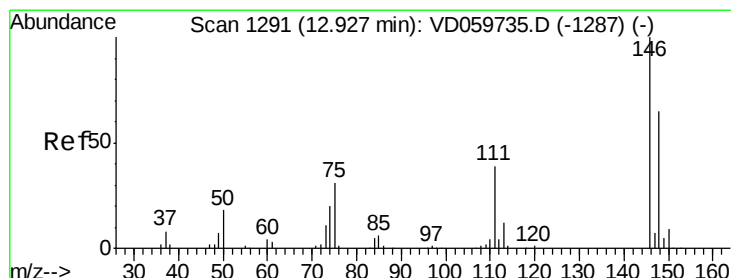
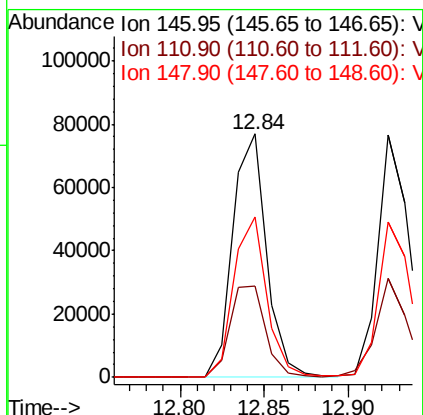
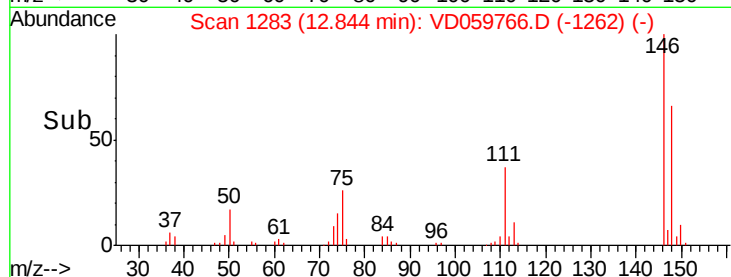
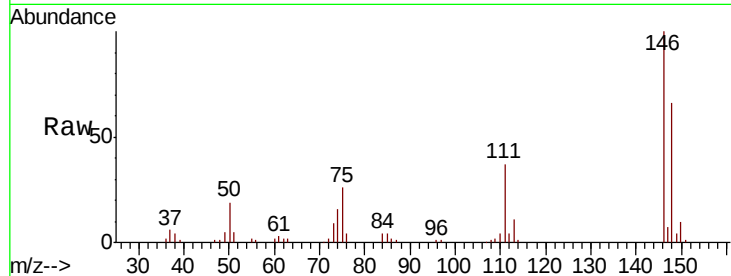




#87
 1,3-Dichlorobenzene
 Concen: 21.45 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

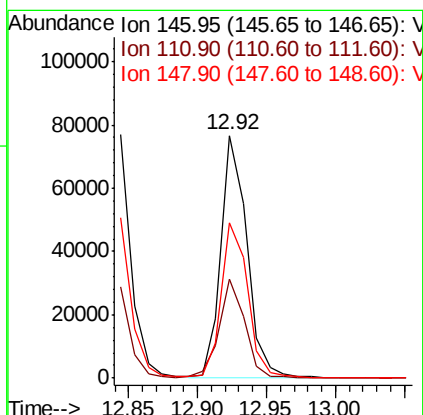
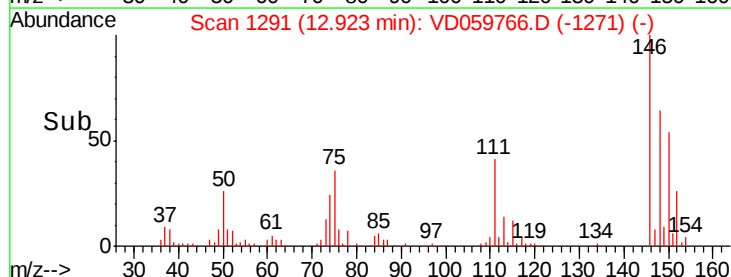
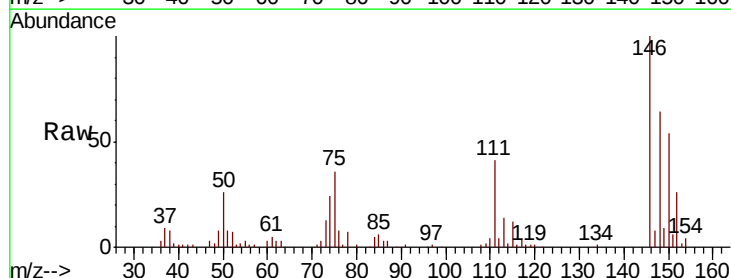
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

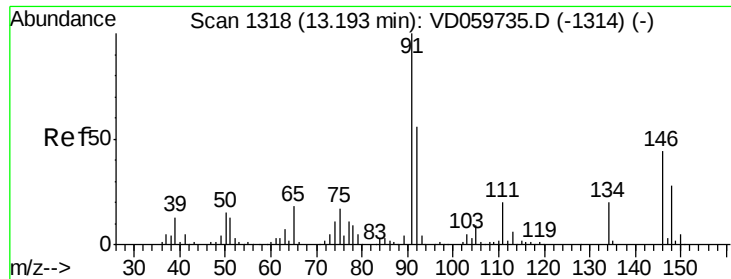
Tot Ion:146 Resp: 107774
 Ion Ratio Lower Upper
 146 100
 111 37.3 21.1 63.3
 148 66.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.94 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion:146 Resp: 100138
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.7 59.0
 148 64.0 32.4 97.2

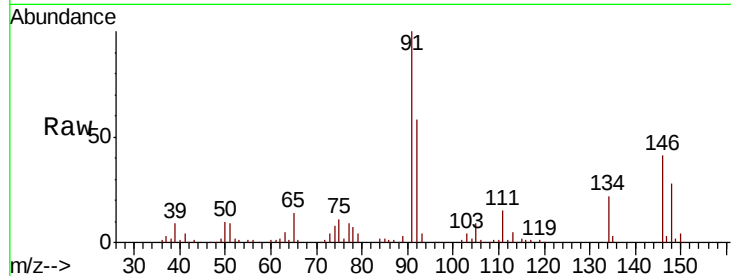




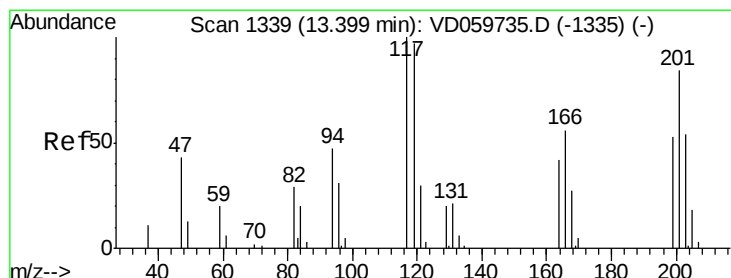
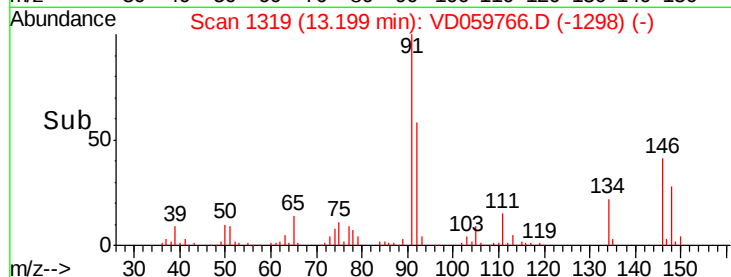
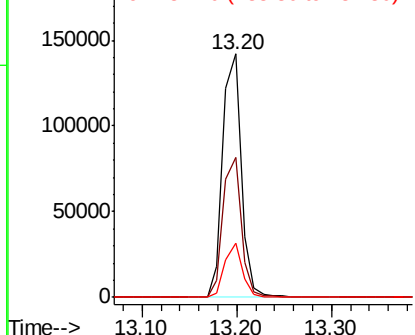
#89
n-Butylbenzene
Concen: 21.41 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion: 91 Resp: 194149
Ion Ratio Lower Upper
91 100
92 57.7 28.1 84.4
134 22.4 10.3 30.8

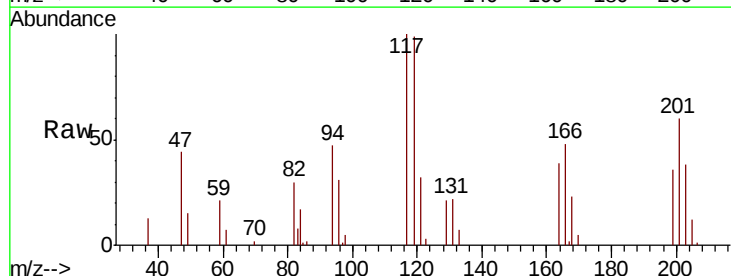


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

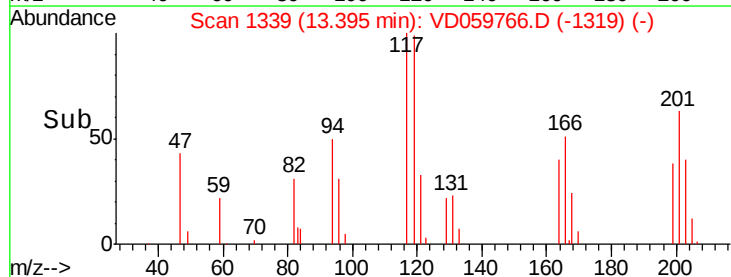
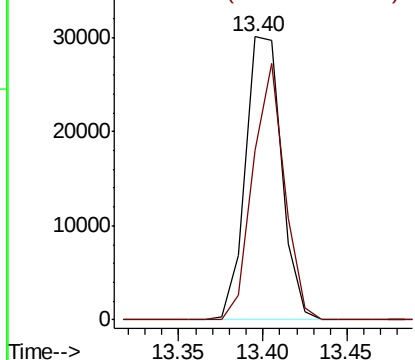


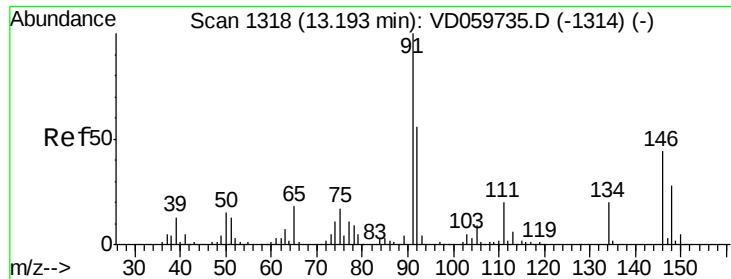
#90
Hexachloroethane
Concen: 18.86 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion: 117 Resp: 44868
Ion Ratio Lower Upper
117 100
201 59.9 41.9 125.7



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

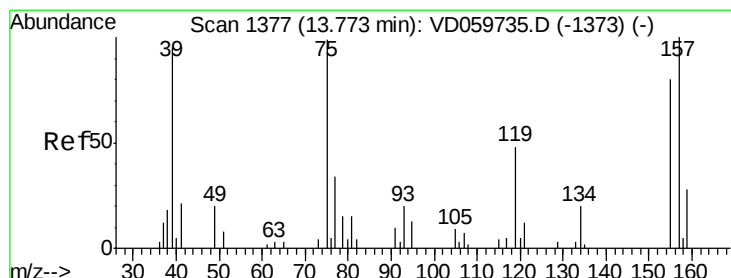
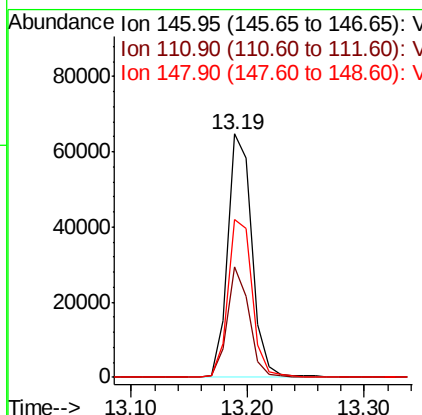
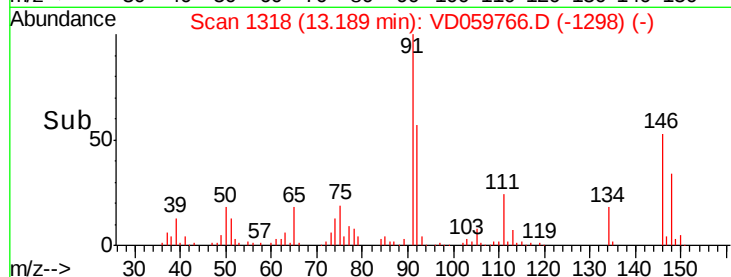
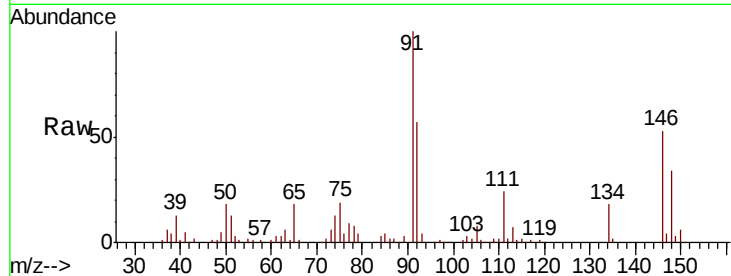




#91
 1,2-Dichlorobenzene
 Concen: 21.77 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

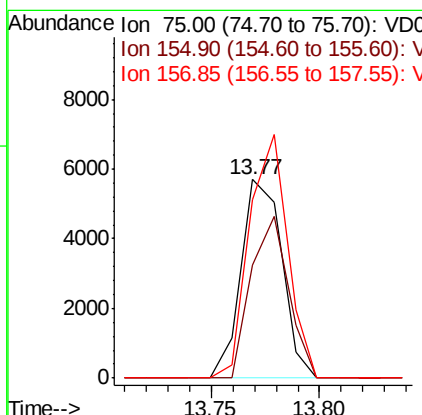
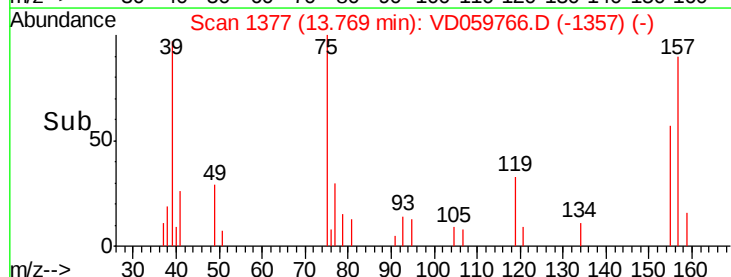
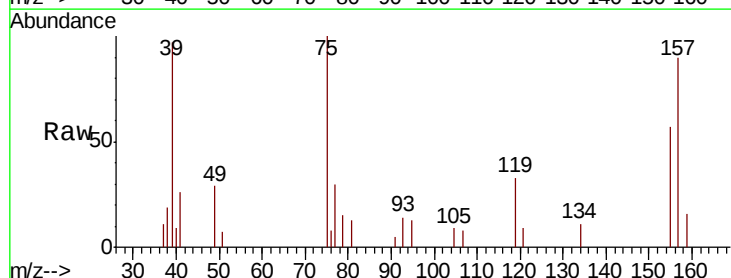
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

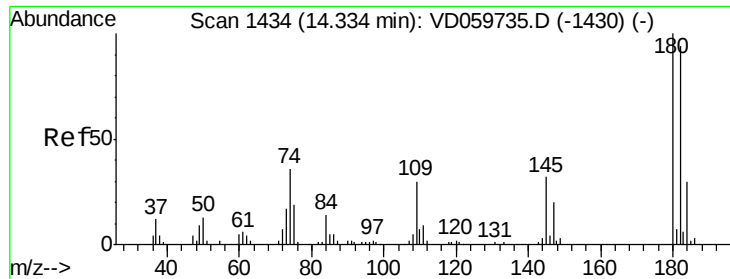
Tot Ion:146 Resp: 92919
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.5
 148 64.7 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.16 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion: 75 Resp: 7465
 Ion Ratio Lower Upper
 75 100
 155 56.9 40.4 121.1
 157 89.9 50.5 151.6

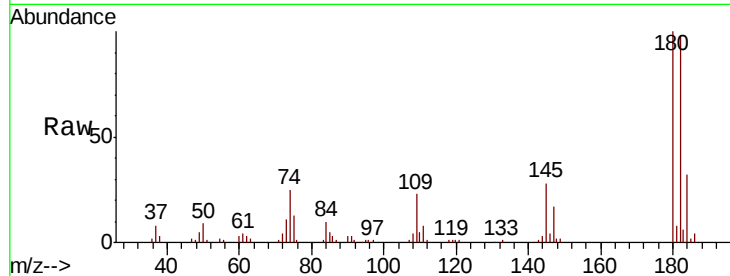




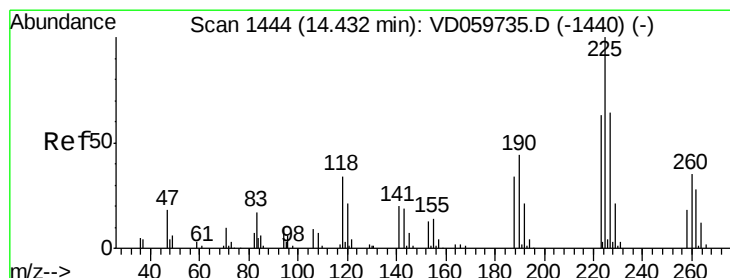
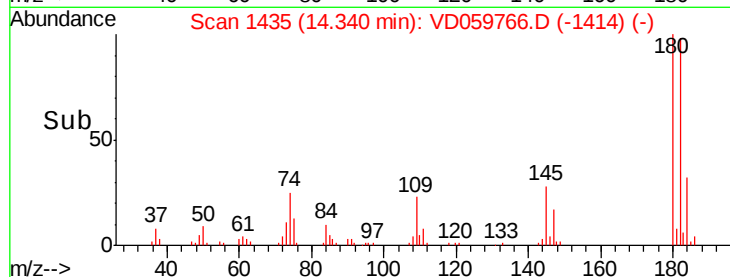
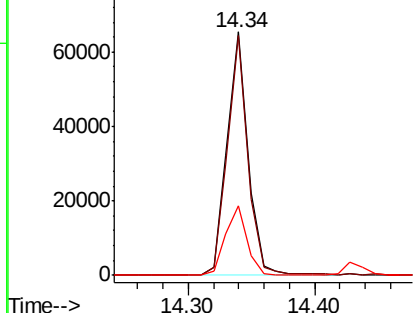
#93
 1,2,4-Trichlorobenzene
 Concen: 18.45 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion:180 Resp: 74779
 Ion Ratio Lower Upper
 180 100
 182 98.3 47.1 141.4
 145 28.3 15.8 47.3

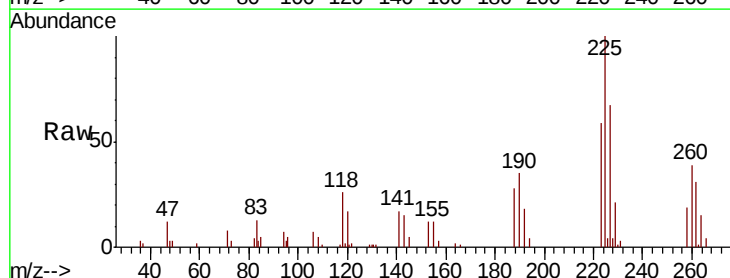


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

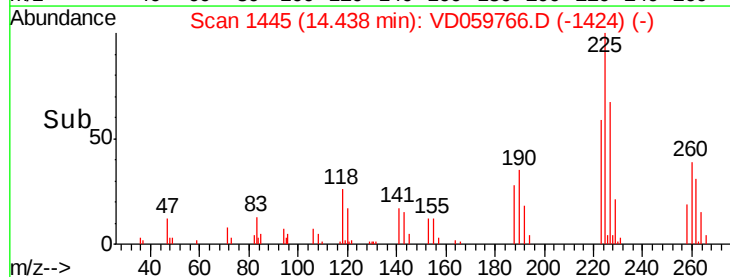
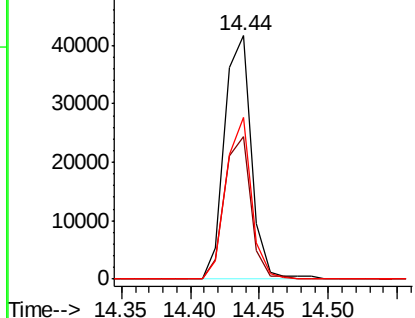


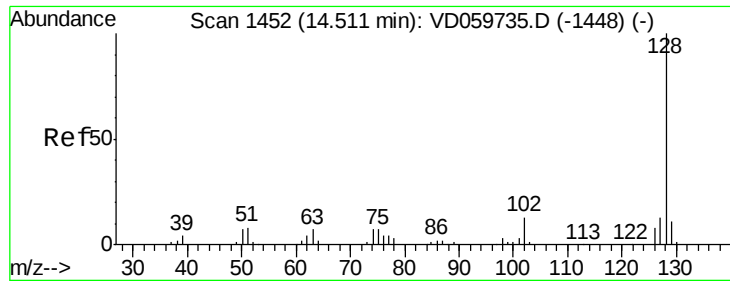
#94
 Hexachlorobutadiene
 Concen: 16.62 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059766.D
 Acq: 14 Aug 2018 14:56

Tgt Ion:225 Resp: 56451
 Ion Ratio Lower Upper
 225 100
 223 58.7 31.5 94.5
 227 66.6 32.1 96.3



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

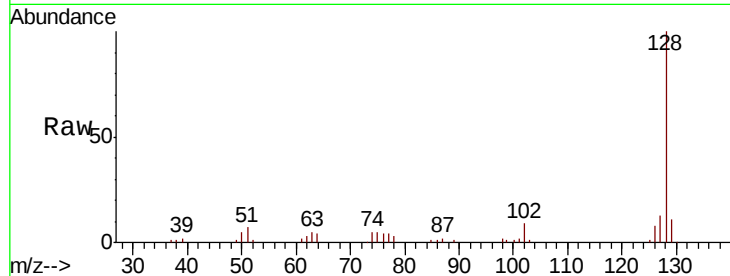




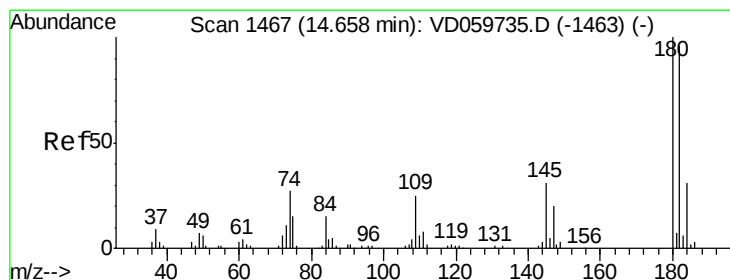
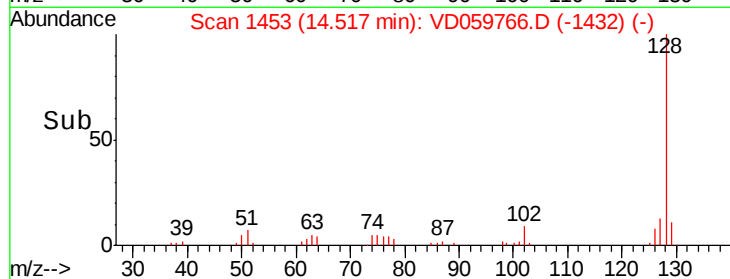
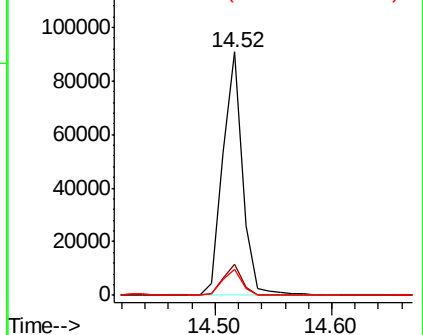
#95
Naphthalene
Concen: 19.65 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion:128 Resp: 107225
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.7 8.9 13.3

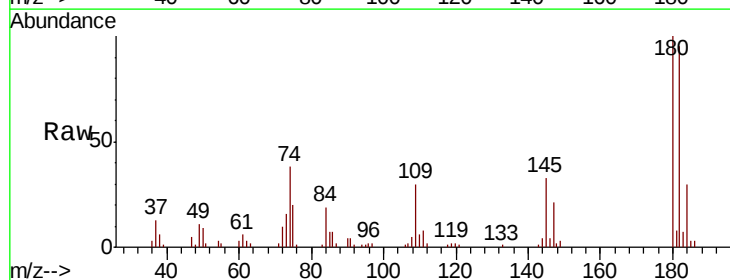


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.07 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059766.D
Acq: 14 Aug 2018 14:56

Tgt Ion:180 Resp: 62593
Ion Ratio Lower Upper
180 100
182 95.4 48.1 144.4
145 33.4 15.4 46.4



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

