

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\
 Data File : VD059742.D
 Acq On : 13 Aug 2018 19:16
 Operator : VA/AP
 Sample : VD0813SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Quant Time: Aug 14 03:51:13 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	5.63	168	189458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	232240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	186734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	103461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	133857	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
35) Dibromofluoromethane	5.54	113	120252	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	8.70	98	238571	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.93	95	116583	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	53464	18.86	ug/l	95
3) Chloromethane	1.47	50	19877	18.51	ug/l	95
4) Vinyl Chloride	1.55	62	25250	18.62	ug/l	99
5) Bromomethane	1.78	94	8931	15.68	ug/l	95
6) Chloroethane	1.87	64	11888	17.03	ug/l	93
7) Trichlorofluoromethane	2.07	101	54780	18.83	ug/l	99
8) Diethyl Ether	2.34	74	8705	18.52	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.54	101	28597	19.17	ug/l	97
10) Methyl Iodide	2.68	142	24852	16.01	ug/l	99
11) Tert butyl alcohol	3.26	59	9928	96.61	ug/l #	93
12) 1,1-Dichloroethene	2.53	96	21161	19.84	ug/l	93
13) Acrolein	2.47	56	6170	100.80	ug/l	94
14) Allyl chloride	2.91	41	45676	19.38	ug/l	96
15) Acrylonitrile	3.35	53	25642	100.93	ug/l	94
16) Acetone	2.60	43	42834	88.42	ug/l	96
17) Carbon Disulfide	2.74	76	60802	17.01	ug/l	100
18) Methyl Acetate	2.93	43	16325	17.73	ug/l	97
19) Methyl tert-butyl Ether	3.40	73	80475	19.28	ug/l	100
20) Methylene Chloride	3.06	84	28190	20.16	ug/l	97
21) trans-1,2-Dichloroethene	3.37	96	31682	23.43	ug/l #	95
22) Diisopropyl ether	4.06	45	94880	21.29	ug/l	89
23) Vinyl Acetate	4.01	43	306280	101.55	ug/l	97
24) 1,1-Dichloroethane	3.96	63	66377	20.16	ug/l #	98
25) 2-Butanone	4.83	43	45052	86.52	ug/l #	92
26) 2,2-Dichloropropane	4.79	77	77467	20.13	ug/l	99
27) cis-1,2-Dichloroethene	4.79	96	34811	21.28	ug/l	99
28) Bromochloromethane	5.13	49	24843	20.96	ug/l	85
29) Tetrahydrofuran	5.18	42	18919	97.18	ug/l	98
30) Chloroform	5.31	83	85132	19.58	ug/l	99
31) Cyclohexane	5.58	56	41293	21.61	ug/l #	88
32) 1,1,1-Trichloroethane	5.50	97	84810	18.82	ug/l	99
36) 1,1-Dichloropropene	5.74	75	51225	19.00	ug/l	98
37) Ethyl Acetate	4.92	43	23207	19.58	ug/l #	91
38) Carbon Tetrachloride	5.71	117	77314	18.23	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\
 Data File : VD059742.D
 Acq On : 13 Aug 2018 19:16
 Operator : VA/AP
 Sample : VD0813SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Quant Time: Aug 14 03:51:13 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	7.27	83	40349	20.20	ug/l	95
40) Benzene	6.01	78	88090	18.75	ug/l	98
41) Methacrylonitrile	5.11	41	10655	19.12	ug/l	90
42) 1,2-Dichloroethane	6.12	62	68528	18.40	ug/l	99
43) Isopropyl Acetate	7.60	43	28080	18.80	ug/l	99
44) Trichloroethene	6.97	130	36053	19.03	ug/l	87
45) 1,2-Dichloropropane	7.34	63	24182	20.21	ug/l	99
46) Dibromomethane	7.45	93	23376	18.40	ug/l	93
47) Bromodichloromethane	7.74	83	59776	17.81	ug/l #	97
48) Methyl methacrylate	7.49	41	19994	18.34	ug/l	93
49) 1,4-Dioxane	7.48	88	3167	410.93	ug/l	95
51) 4-Methyl-2-Pentanone	8.58	43	98477	85.53	ug/l	98
52) Toluene	8.79	92	61729	20.44	ug/l	94
53) t-1,3-Dichloropropene	9.18	75	49370	18.30	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	48312	18.66	ug/l	90
55) 1,1,2-Trichloroethane	9.45	97	22615	18.99	ug/l	86
56) Ethyl methacrylate	9.30	69	25574	18.84	ug/l	91
57) 1,3-Dichloropropane	9.66	76	36181	18.25	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	67927	108.06	ug/l	98
59) 2-Hexanone	9.78	43	77025	89.40	ug/l	94
60) Dibromochloromethane	9.95	129	42336	18.42	ug/l	96
61) 1,2-Dibromoethane	10.09	107	27373	18.38	ug/l	97
64) Tetrachloroethene	9.51	164	35531	19.39	ug/l	92
65) Chlorobenzene	10.72	112	79061	20.75	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	38501	19.95	ug/l	95
67) Ethyl Benzene	10.85	91	147943	20.72	ug/l	99
68) m/p-Xylenes	11.00	106	92187	40.27	ug/l	95
69) o-Xylene	11.40	106	43004	19.32	ug/l	98
70) Styrene	11.43	104	72095	19.78	ug/l	98
71) Bromoform	11.60	173	26569	18.20	ug/l	98
73) Isopropylbenzene	11.77	105	143455	20.41	ug/l	97
74) N-amyl acetate	11.64	43	40791	20.24	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.07	83	26370	20.56	ug/l	93
76) 1,2,3-Trichloropropane	12.11	75	31770	20.76	ug/l	94
77) Bromobenzene	12.04	156	41342	20.14	ug/l	90
78) n-propylbenzene	12.15	91	177641	20.80	ug/l	100
79) 2-Chlorotoluene	12.21	91	103286	19.10	ug/l	92
80) 1,3,5-Trimethylbenzene	12.31	105	122599	20.13	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	6243	18.11	ug/l	97
82) 4-Chlorotoluene	12.32	91	127801	20.05	ug/l	99
83) tert-Butylbenzene	12.57	119	133200	20.11	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	126096	20.07	ug/l	97
85) sec-Butylbenzene	12.76	105	152627	21.68	ug/l	92
86) p-Isopropyltoluene	12.88	119	127456	20.09	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	71968	20.71	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	70966	20.42	ug/l	97
89) n-Butylbenzene	13.19	91	128479	20.48	ug/l	99
90) Hexachloroethane	13.40	117	33263	20.21	ug/l	92
91) 1,2-Dichlorobenzene	13.19	146	59734	20.23	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	5700	17.84	ug/l	85

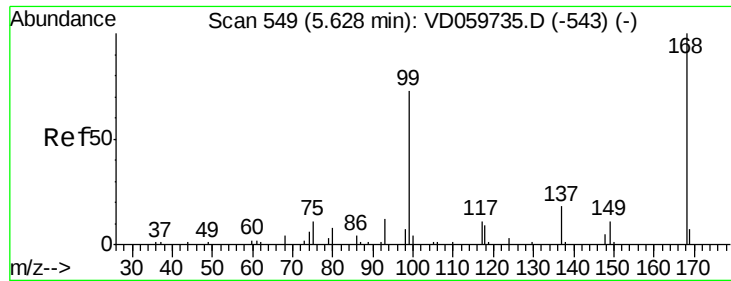
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\
Data File : VD059742.D
Acq On : 13 Aug 2018 19:16
Operator : VA/AP
Sample : VD0813SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :
VD0813SBS01

Quant Time: Aug 14 03:51:13 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	54453	19.42	ug/l	98
94) Hexachlorobutadiene	14.43	225	44706	19.03	ug/l	96
95) Naphthalene	14.51	128	74814	19.82	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	45867	19.14	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

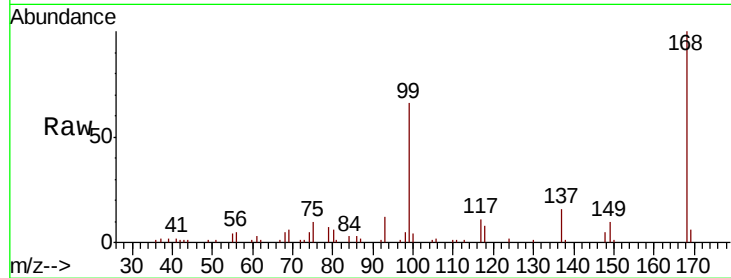
VD0813SBS01

Tot Ion:168 Resp: 189458

Ion Ratio Lower Upper

168 100

99 66.5 61.4 92.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

60000

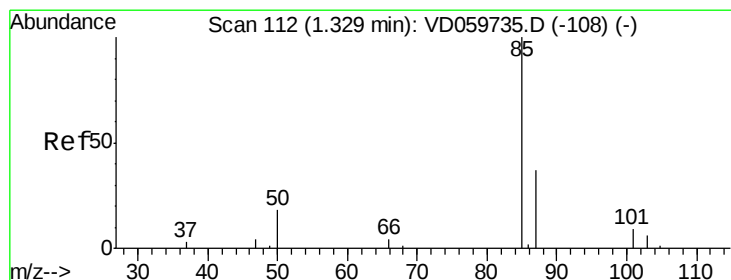
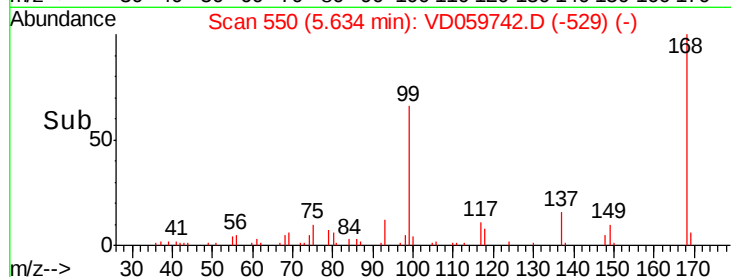
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.86 ug/l

RT: 1.33 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD059742.D

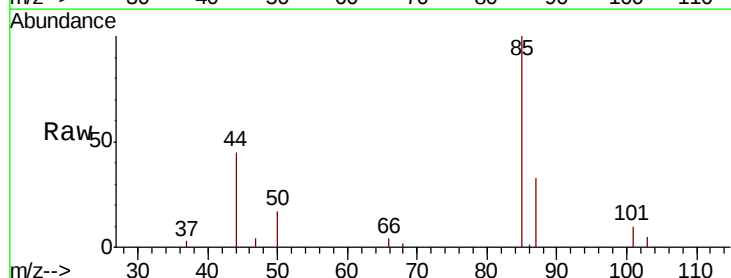
Acq: 13 Aug 2018 19:16

Tgt Ion: 85 Resp: 53464

Ion Ratio Lower Upper

85 100

87 33.4 18.3 54.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.33

30000

25000

20000

15000

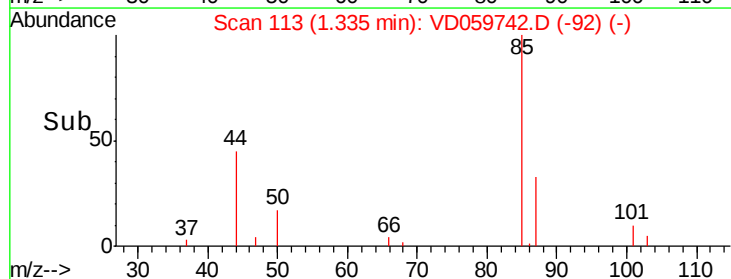
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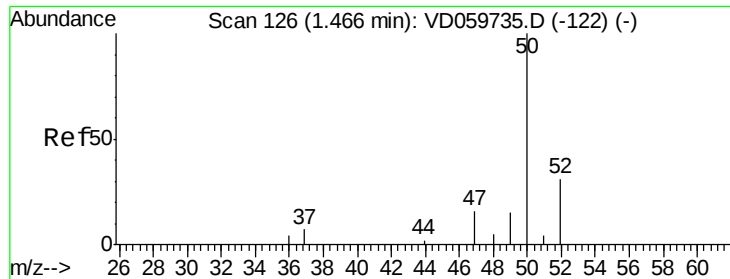
5000

0

1.30 1.40 1.50

Time-->

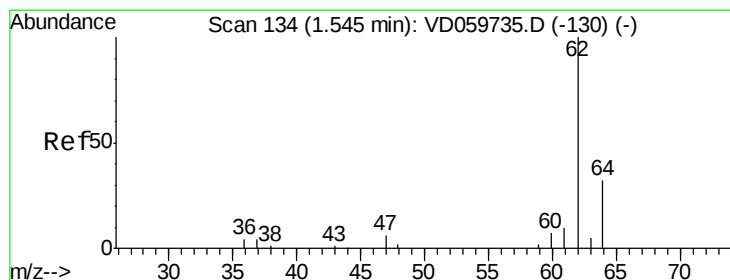
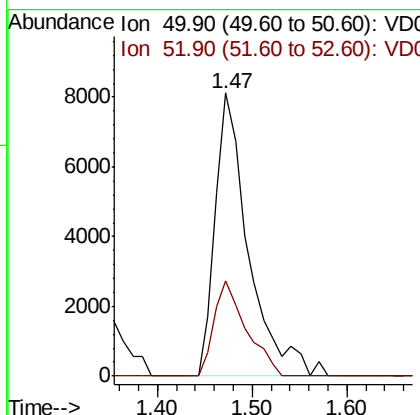
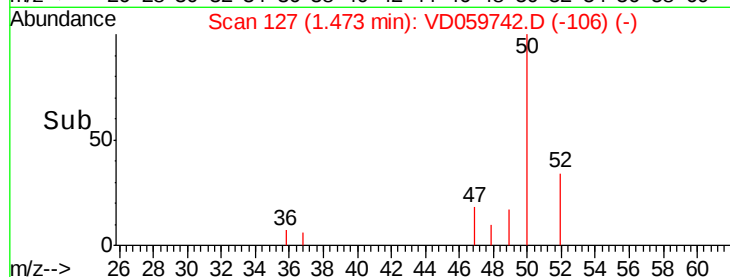
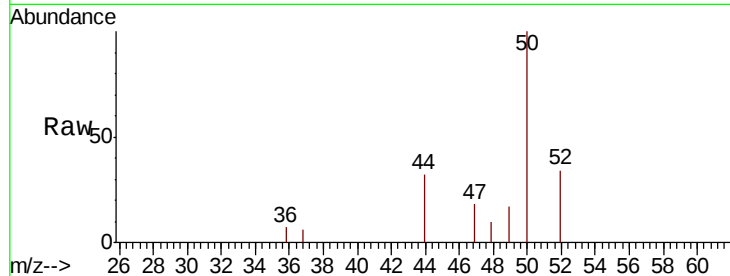




#3
 Chloromethane
 Concen: 18.51 ug/l
 RT: 1.47 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

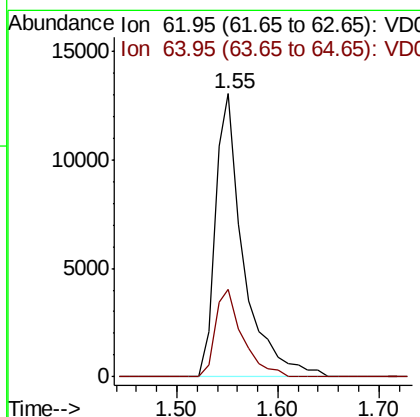
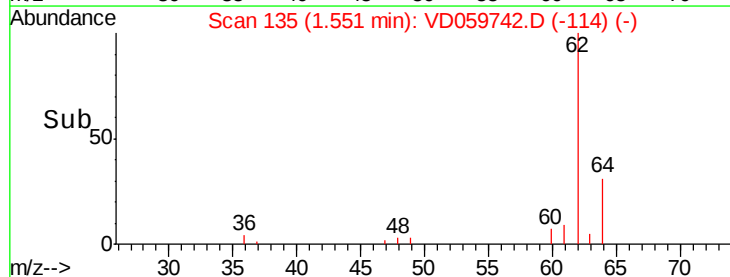
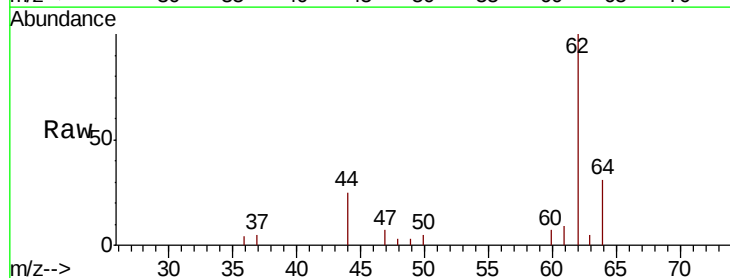
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

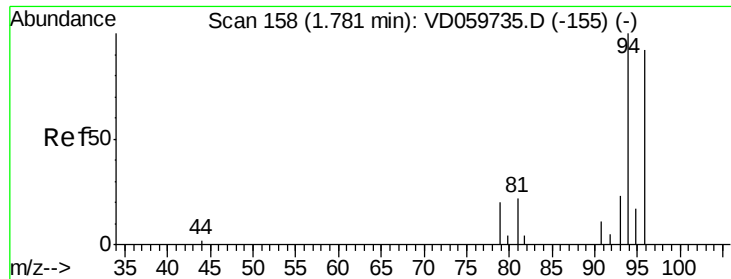
Tot Ion: 50 Resp: 19877
 Ion Ratio Lower Upper
 50 100
 52 33.6 24.8 37.2



#4
 Vinyl Chloride
 Concen: 18.62 ug/l
 RT: 1.55 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion: 62 Resp: 25250
 Ion Ratio Lower Upper
 62 100
 64 31.0 25.3 37.9





#5

Bromomethane

Concen: 15.68 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

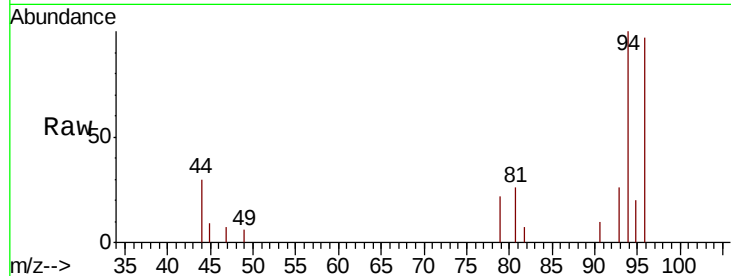
VD0813SBS01

Tot Ion: 94 Resp: 8931

Ion Ratio Lower Upper

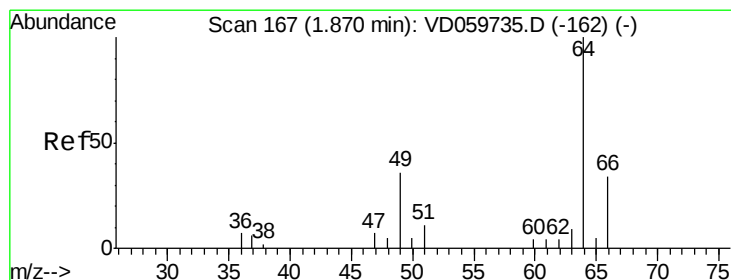
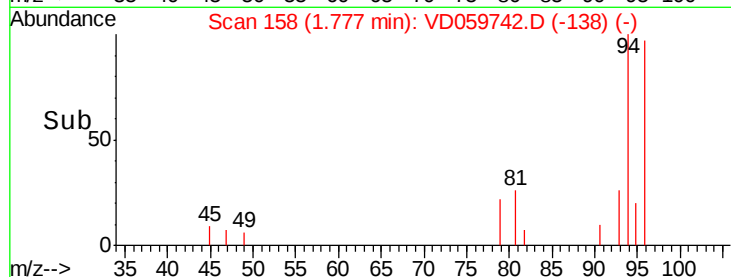
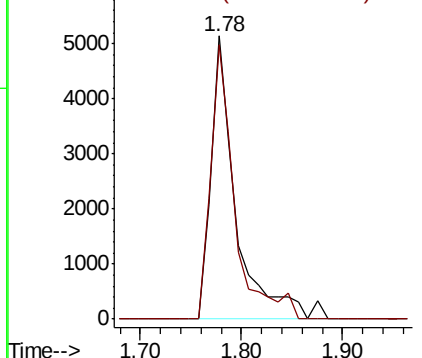
94 100

96 96.8 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: 17.03 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD059742.D

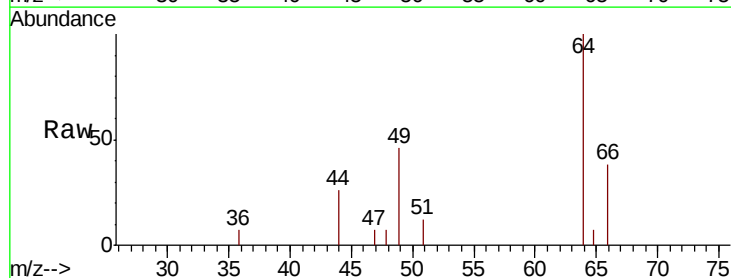
Acq: 13 Aug 2018 19:16

Tgt Ion: 64 Resp: 11888

Ion Ratio Lower Upper

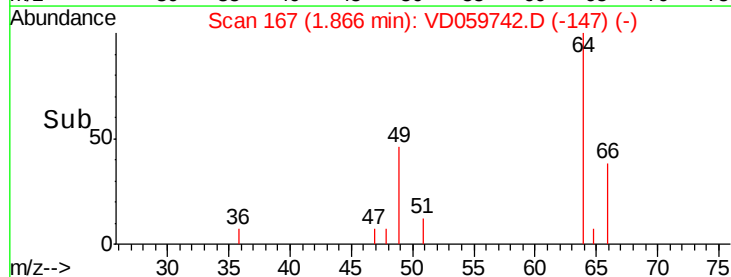
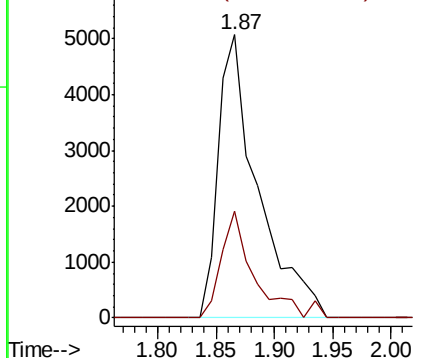
64 100

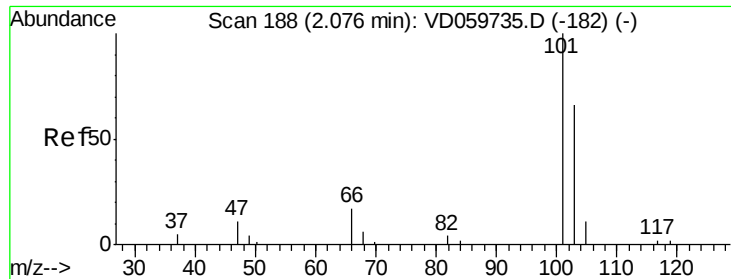
66 37.8 26.9 40.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



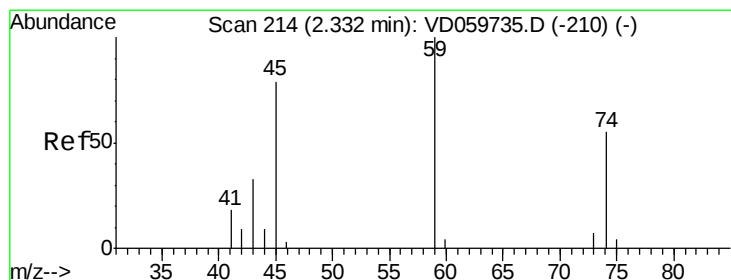
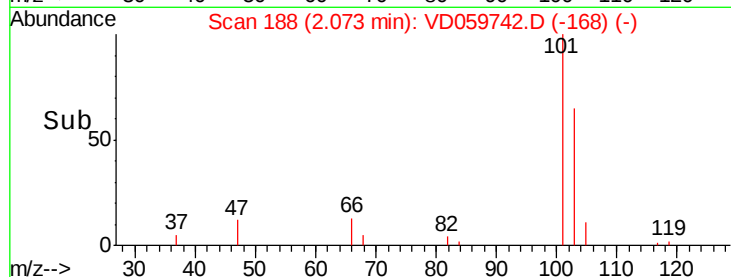
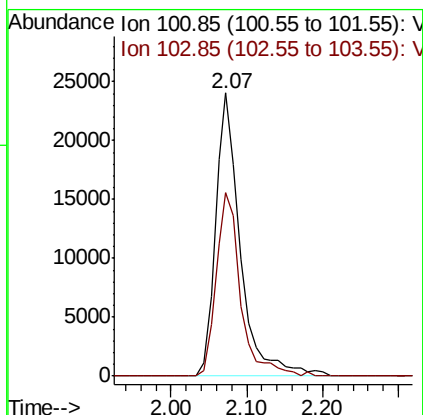
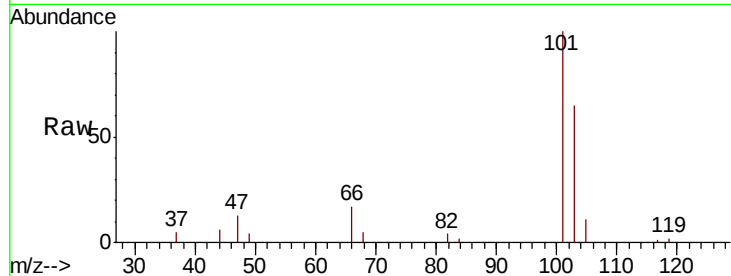


#7

Trichlorofluoromethane
 Concen: 18.83 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

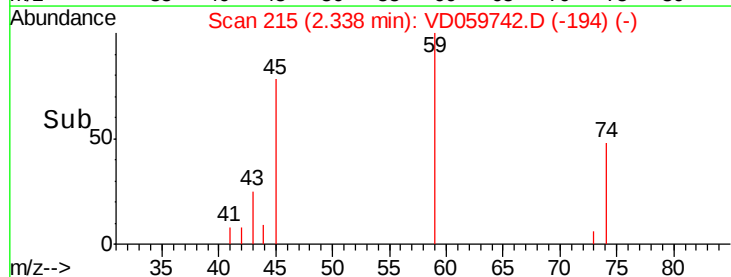
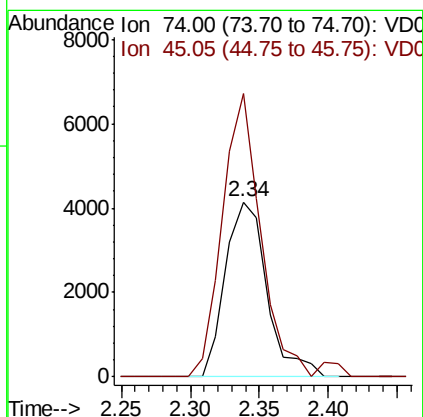
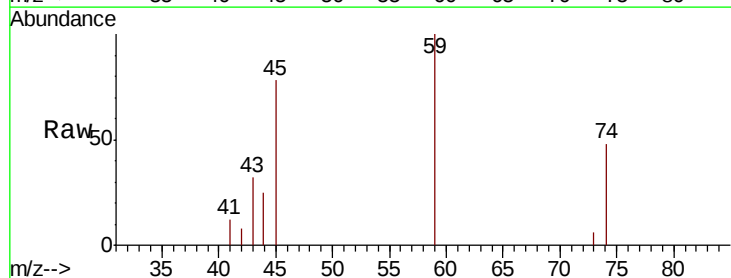
Tot Ion:101 Resp: 54780
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.4 78.6

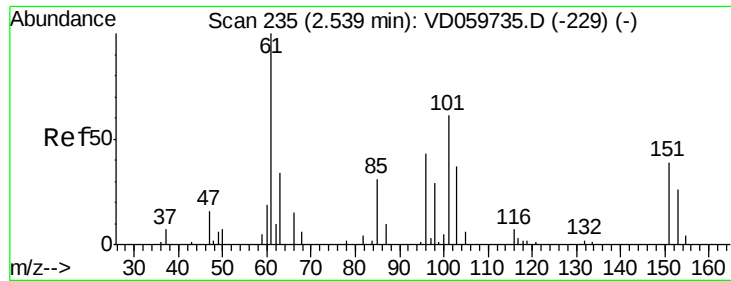


#8

Diethyl Ether
 Concen: 18.52 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion: 74 Resp: 8705
 Ion Ratio Lower Upper
 74 100
 45 161.9 71.1 213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.17 ug/l

RT: 2.54 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

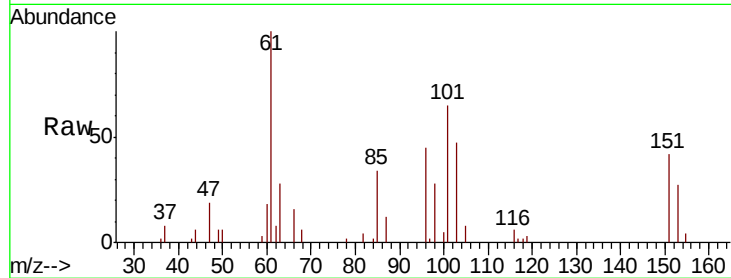
Tot Ion:101 Resp: 28597

Ion Ratio Lower Upper

101 100

85 52.2 39.7 59.5

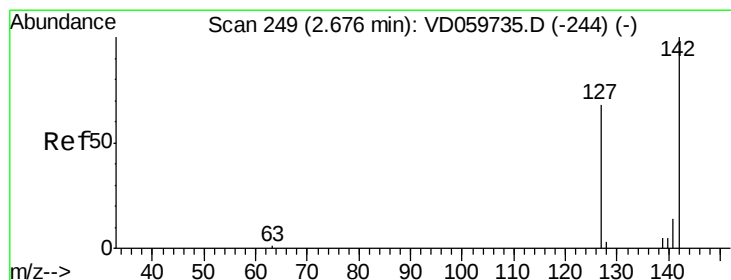
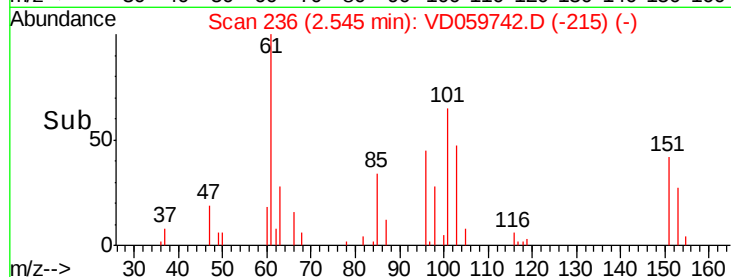
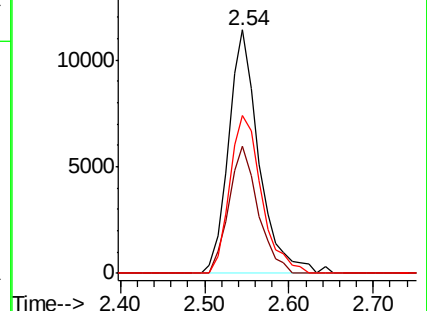
151 65.1 50.8 76.2



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: 16.01 ug/l

RT: 2.68 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

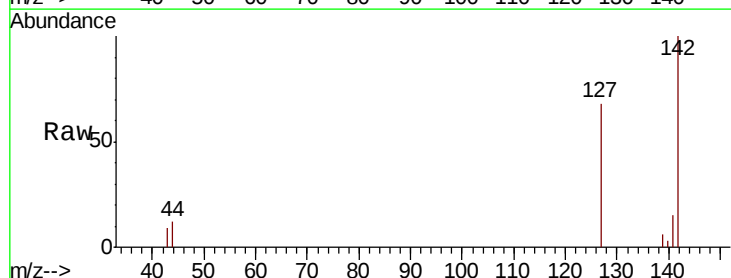
Tgt Ion:142 Resp: 24852

Ion Ratio Lower Upper

142 100

127 68.1 54.0 81.0

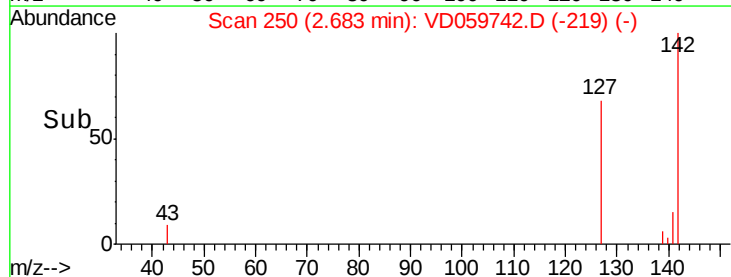
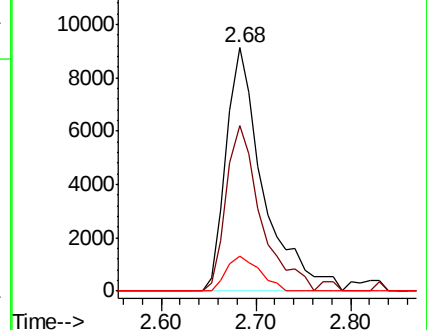
141 14.6 11.0 16.4

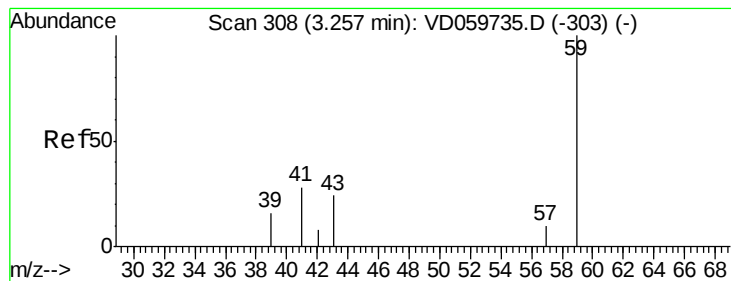


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



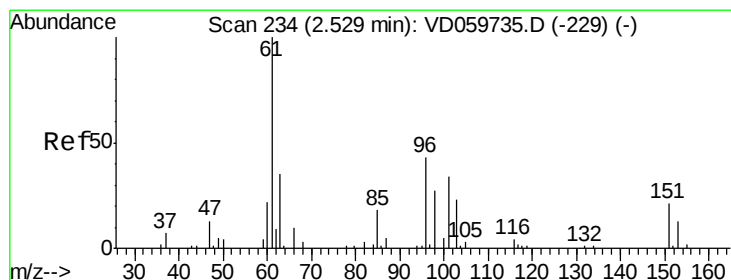
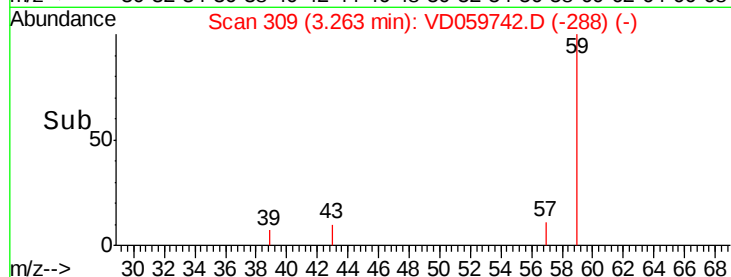
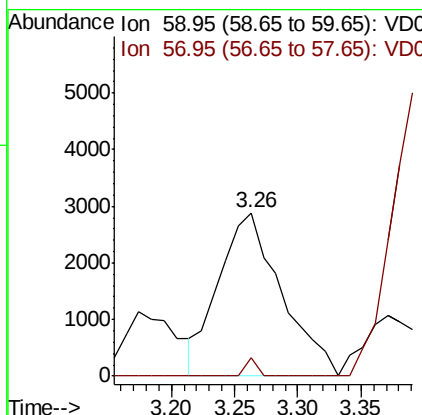
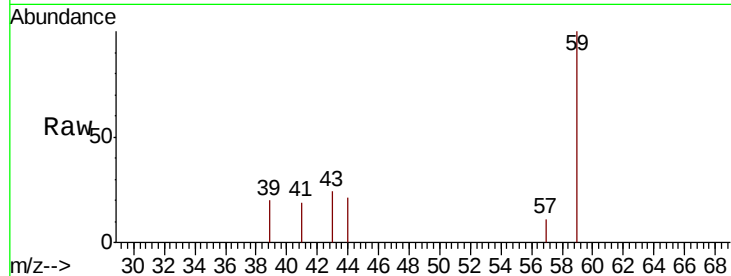


#11

Tert butyl alcohol
 Concen: 96.61 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

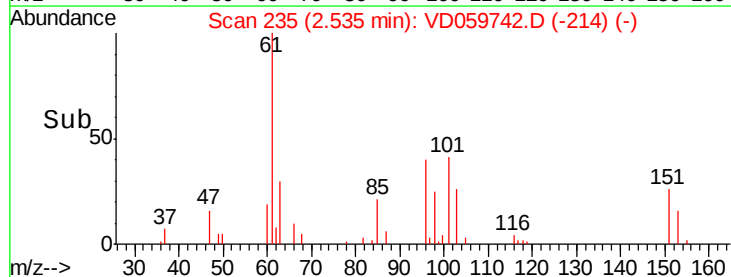
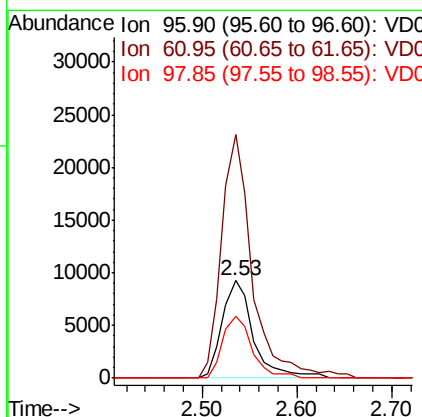
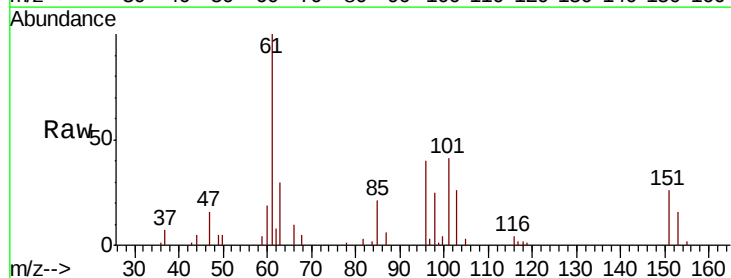
Tot Ion: 59 Resp: 9928
 Ion Ratio Lower Upper
 59 100
 57 11.5 7.3 10.9#

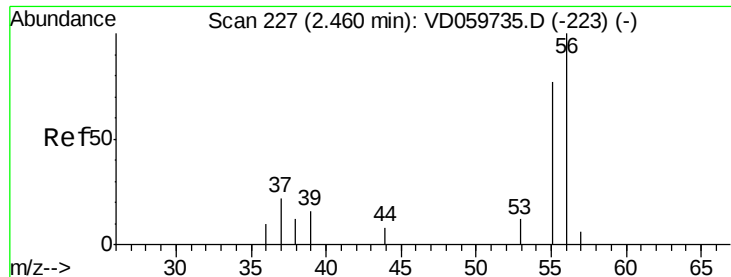


#12

1,1-Dichloroethene
 Concen: 19.84 ug/l
 RT: 2.53 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion: 96 Resp: 21161
 Ion Ratio Lower Upper
 96 100
 61 249.6 187.2 280.8
 98 62.8 50.4 75.6





#13

Acrolein

Concen: 100.80 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

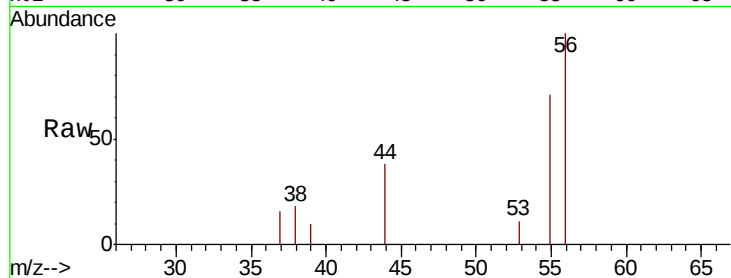
VD0813SBS01

Tot Ion: 56 Resp: 6170

Ion Ratio Lower Upper

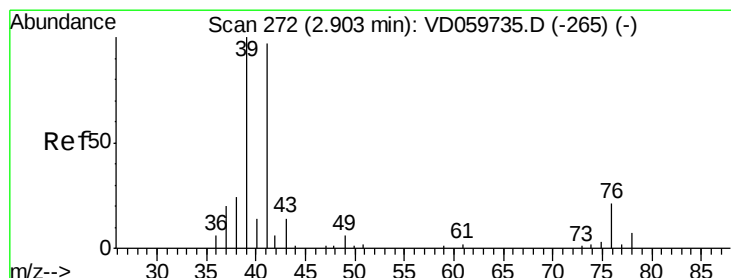
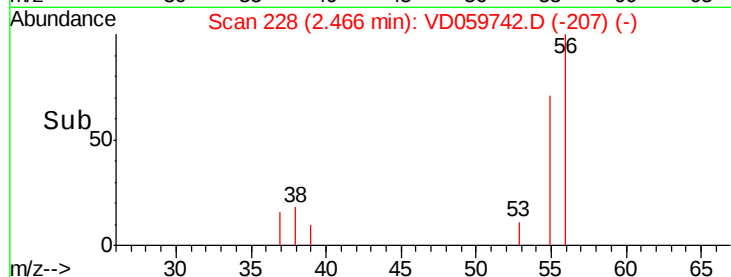
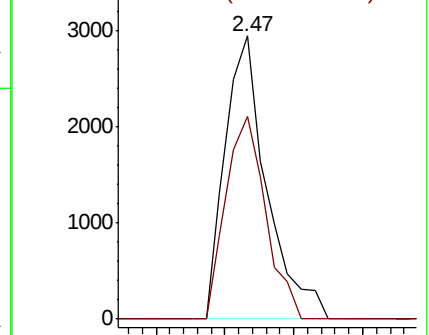
56 100

55 71.4 61.4 92.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.38 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

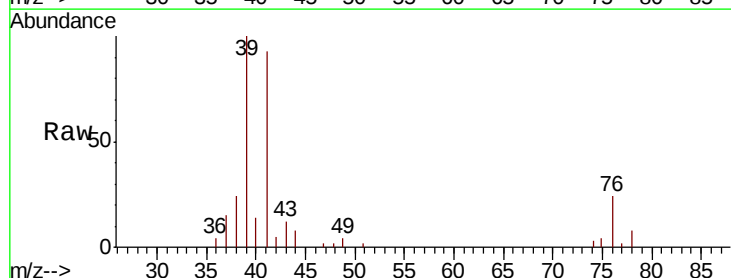
Tgt Ion: 41 Resp: 45676

Ion Ratio Lower Upper

41 100

39 107.9 82.9 124.3

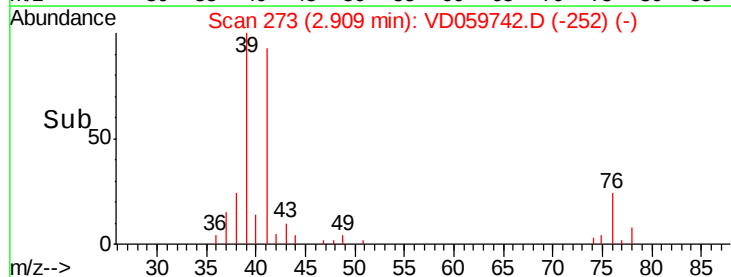
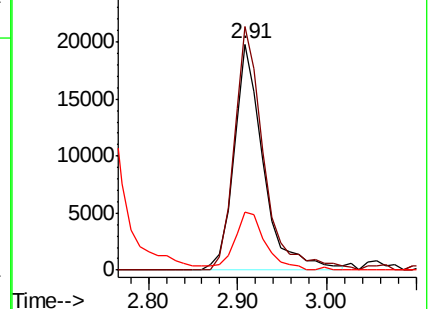
76 25.6 22.2 33.2

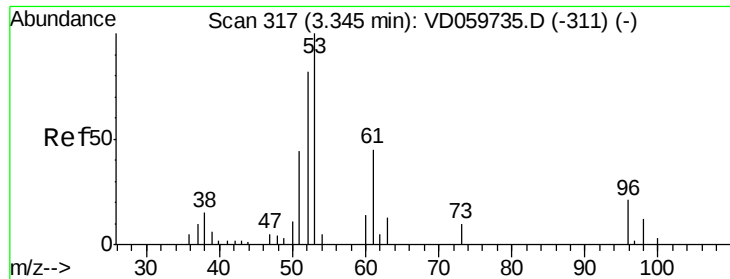


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

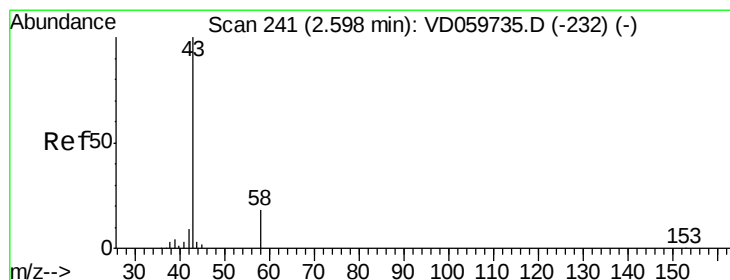
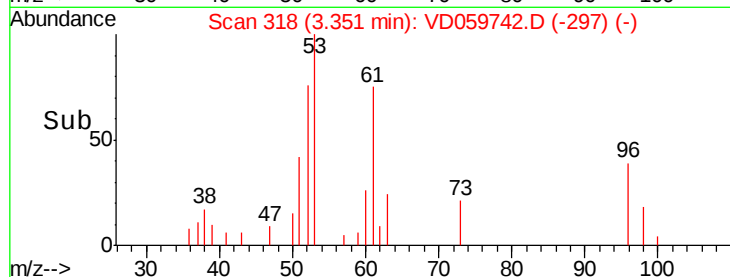
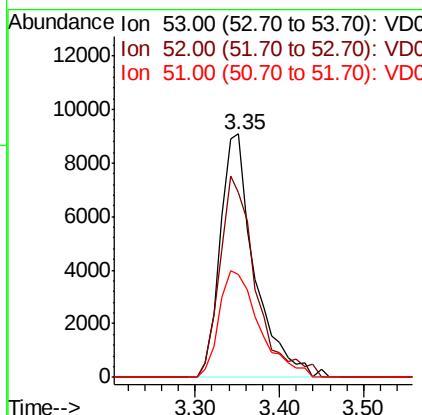
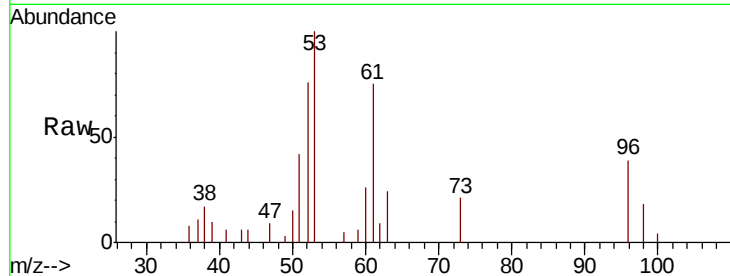




#15
 Acrylonitrile
 Concen: 100.93 ug/l
 RT: 3.35 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

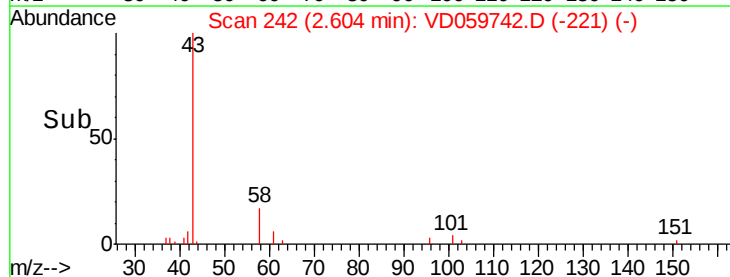
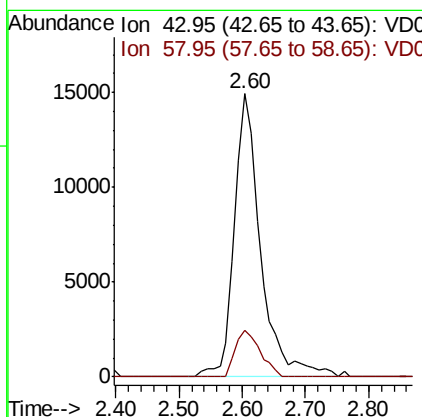
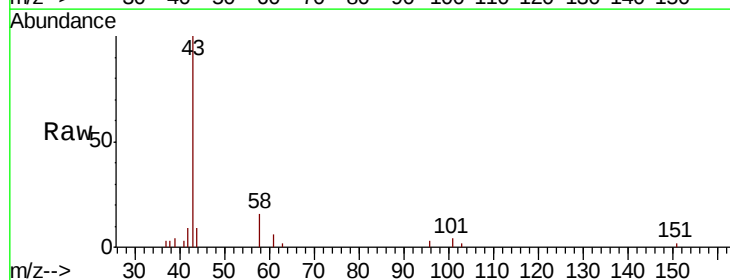
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

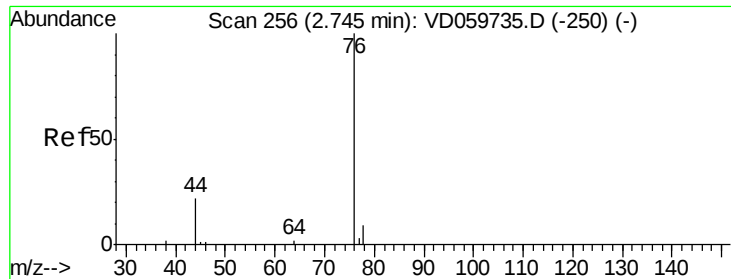
Tot Ion: 53 Resp: 25642
 Ion Ratio Lower Upper
 53 100
 52 75.7 65.8 98.6
 51 42.1 35.1 52.7



#16
 Acetone
 Concen: 88.42 ug/l
 RT: 2.60 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion: 43 Resp: 42834
 Ion Ratio Lower Upper
 43 100
 58 16.5 14.6 21.8

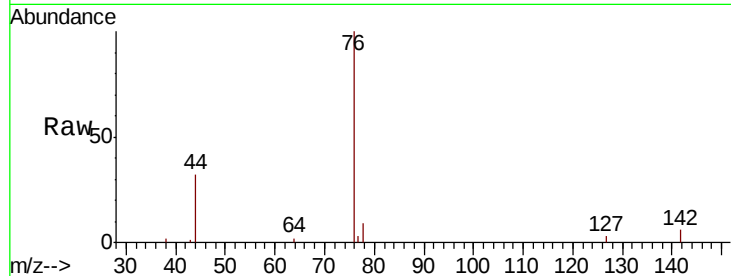




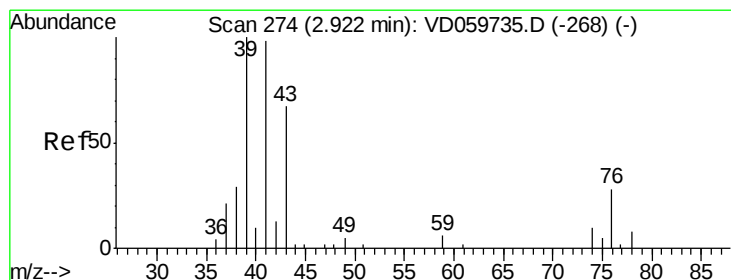
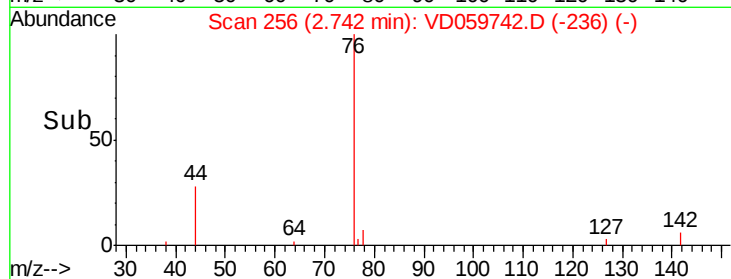
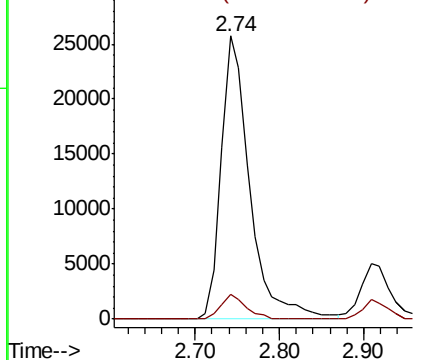
#17
Carbon Disulfide
Concen: 17.01 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion: 76 Resp: 60802
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6

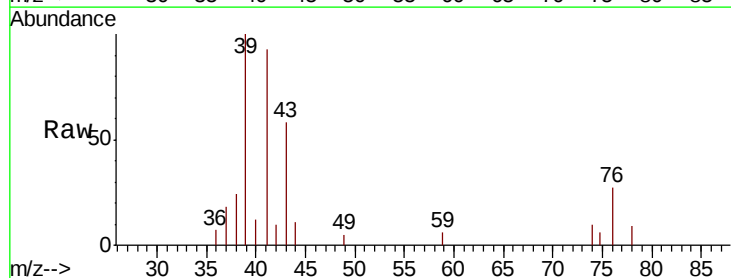


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

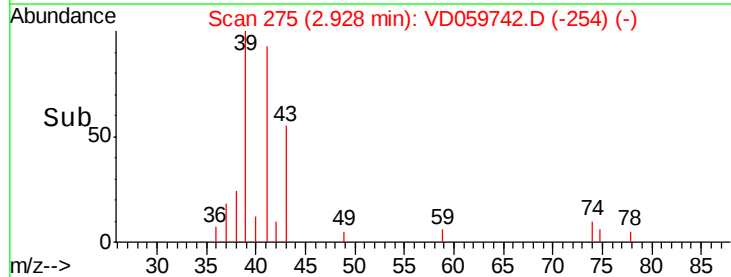
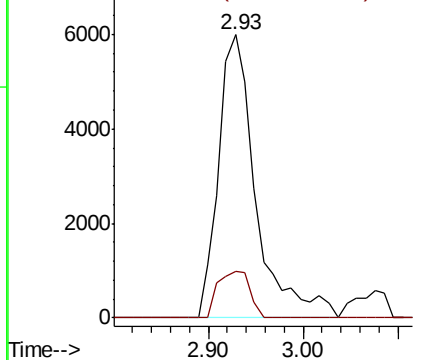


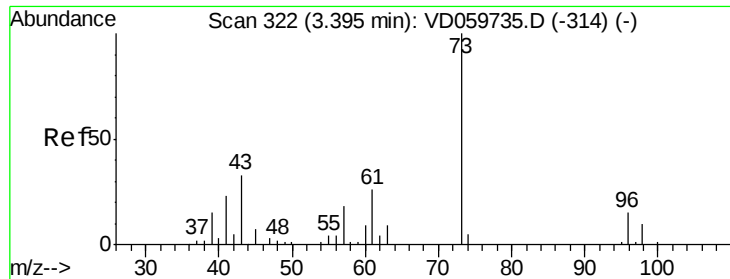
#18
Methyl Acetate
Concen: 17.73 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.01 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion: 43 Resp: 16325
Ion Ratio Lower Upper
43 100
74 16.5 12.1 18.1



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

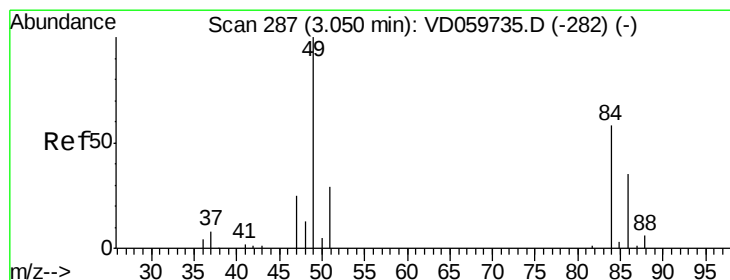
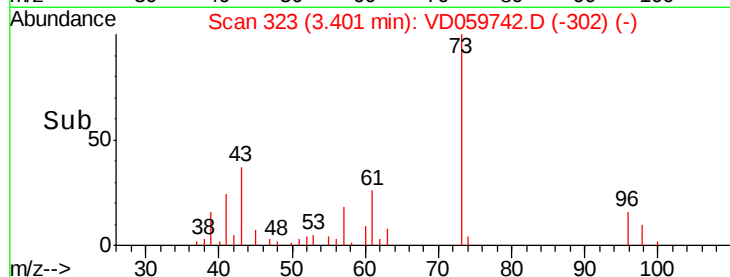
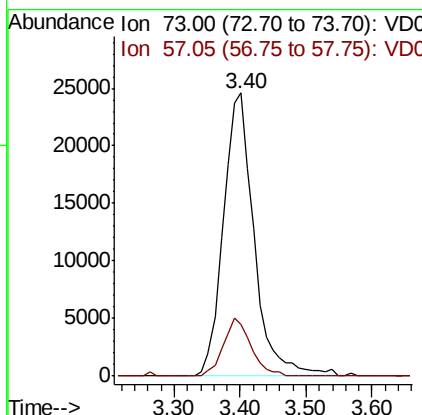
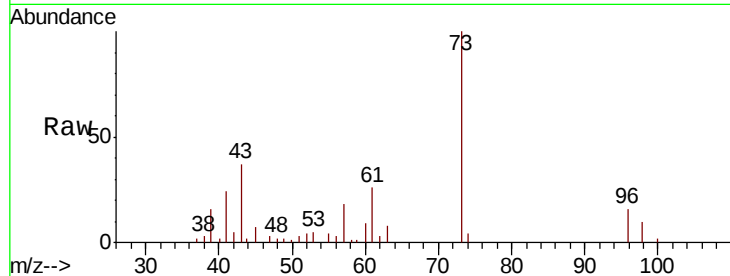




#19
Methvl tert-butvl Ether
Concen: 19.28 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.01 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

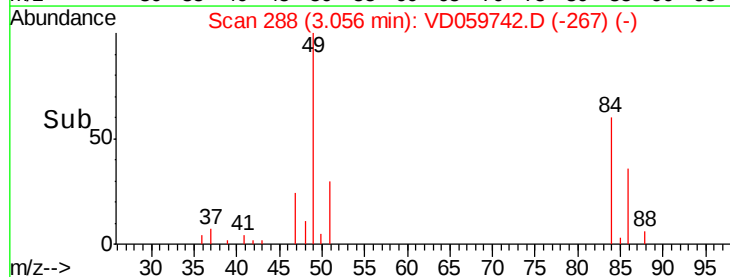
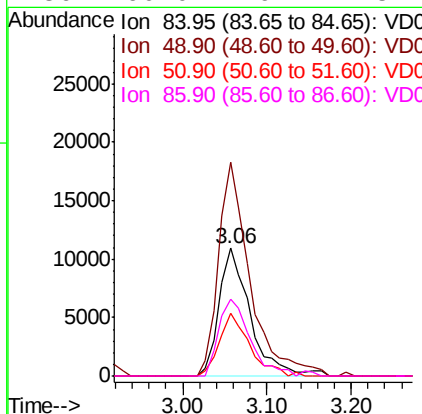
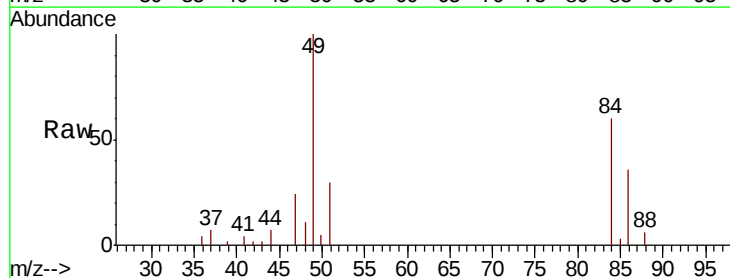
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

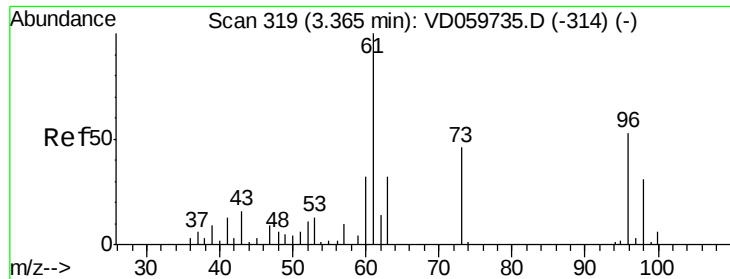
Tot Ion: 73 Resp: 80475
Ion Ratio Lower Upper
73 100
57 18.3 14.8 22.2



#20
Methylene Chloride
Concen: 20.16 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion: 84 Resp: 28190
Ion Ratio Lower Upper
84 100
49 167.4 138.9 208.3
51 49.5 40.2 60.2
86 60.0 49.1 73.7

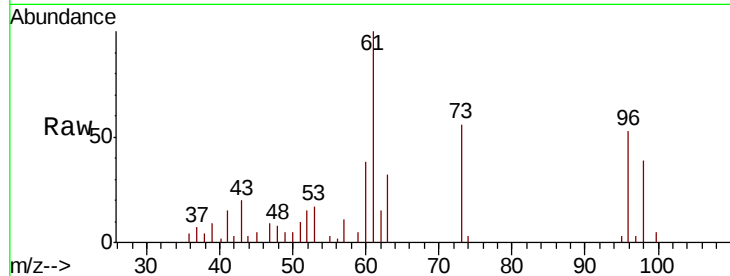




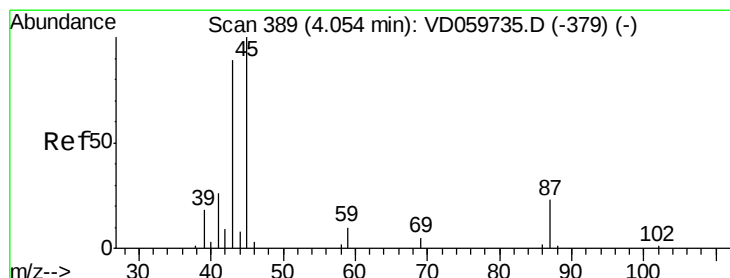
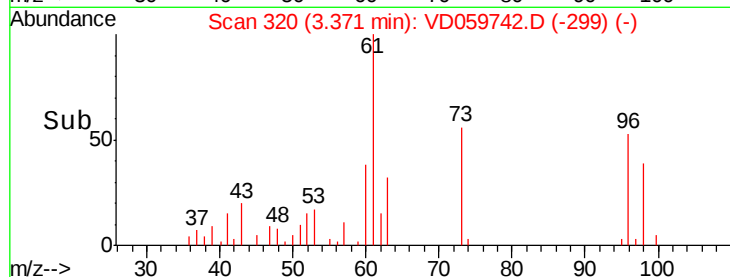
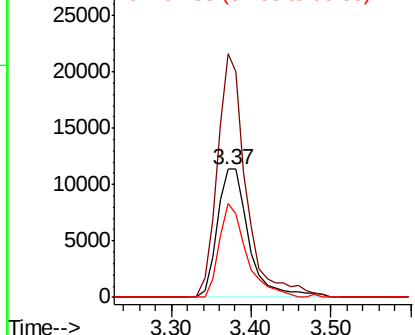
#21
trans-1,2-Dichloroethene
Concen: 23.43 ug/l
RT: 3.37 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion: 96 Resp: 31682
Ion Ratio Lower Upper
96 100
61 190.2 152.0 228.0
98 73.5 47.4 71.2#

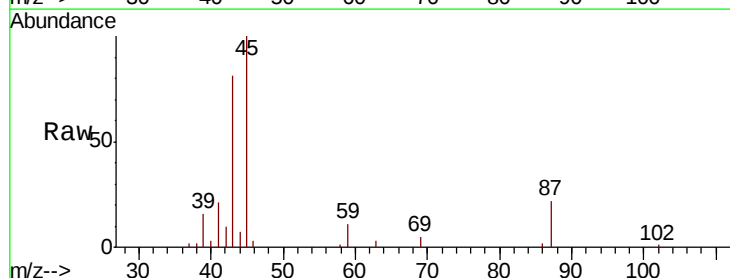


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

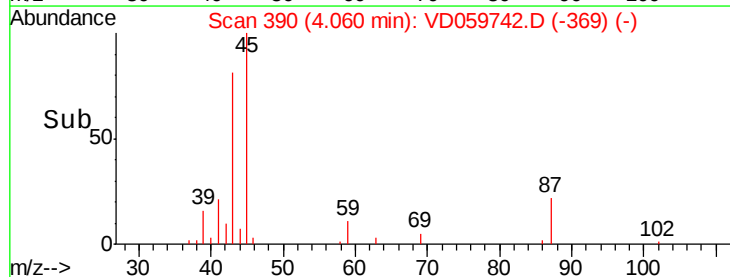
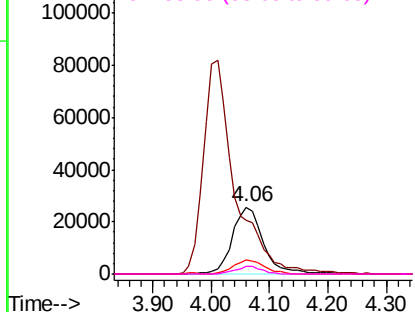


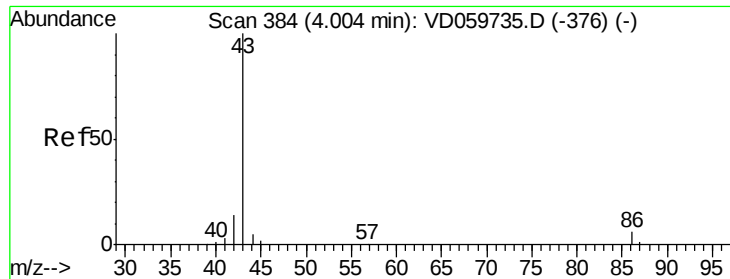
#22
Diisopropyl ether
Concen: 21.29 ug/l
RT: 4.06 min Scan# 390
Delta R.T. 0.01 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion: 45 Resp: 94880
Ion Ratio Lower Upper
45 100
43 80.8 75.5 113.3
87 21.6 19.4 29.0
59 11.4 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

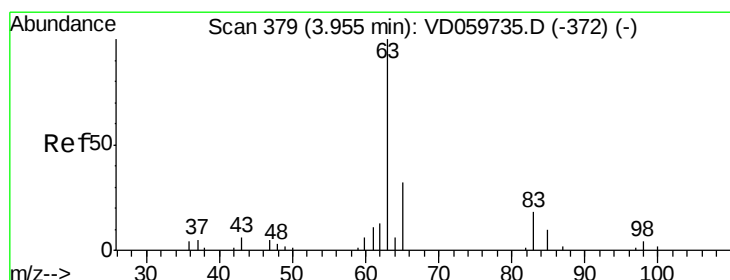
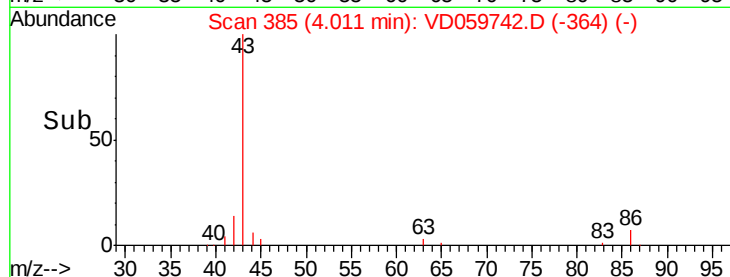
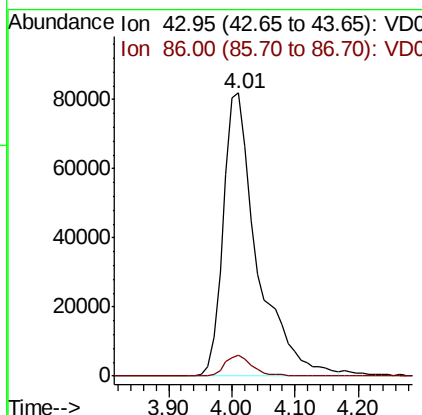
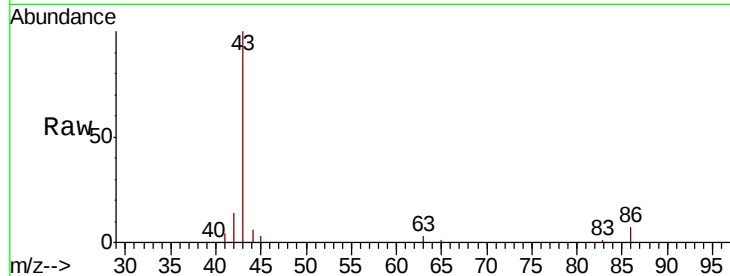




#23
 Vinyl Acetate
 Concen: 101.55 ug/l
 RT: 4.01 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

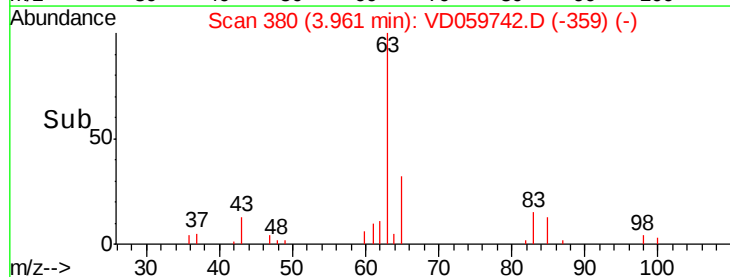
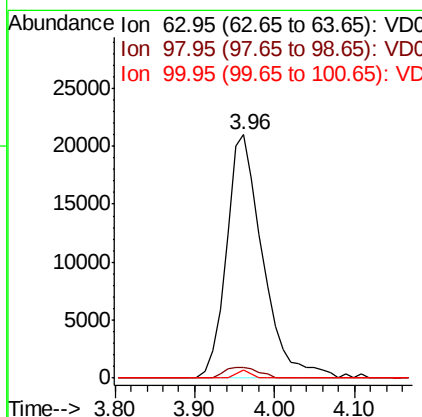
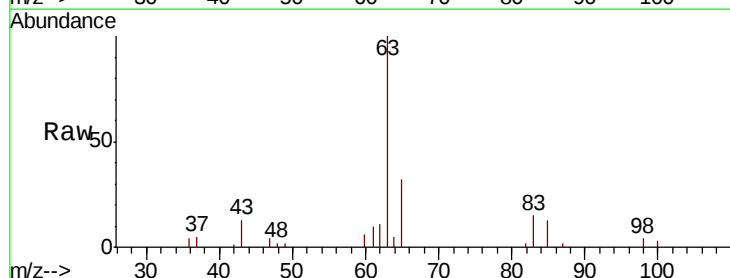
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

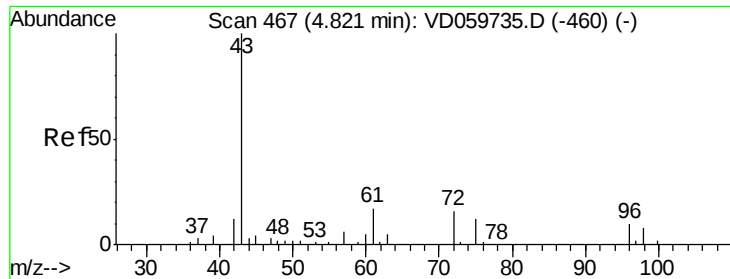
Tot Ion: 43 Resp: 306280
 Ion Ratio Lower Upper
 43 100
 86 7.3 5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 20.16 ug/l
 RT: 3.96 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion: 63 Resp: 66377
 Ion Ratio Lower Upper
 63 100
 98 4.3 1.8 5.5
 100 3.4 1.1 3.1#





#25

2-Butanone

Concen: 86.52 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

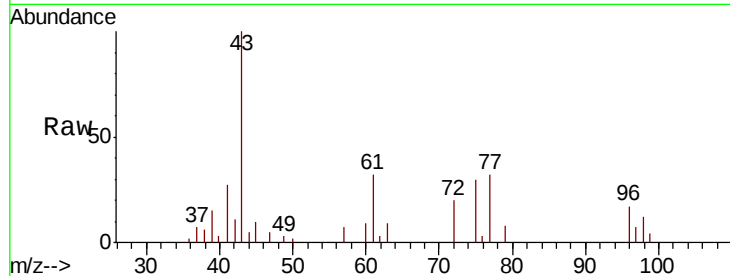
VD0813SBS01

Tot Ion: 43 Resp: 45052

Ion Ratio Lower Upper

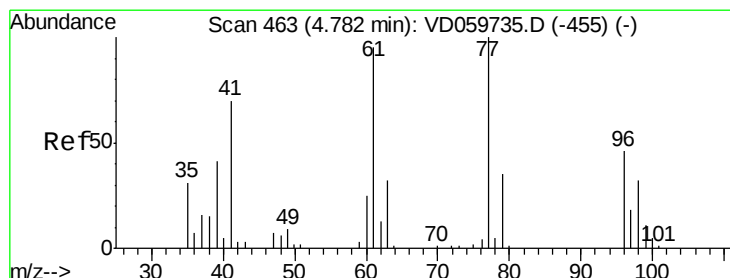
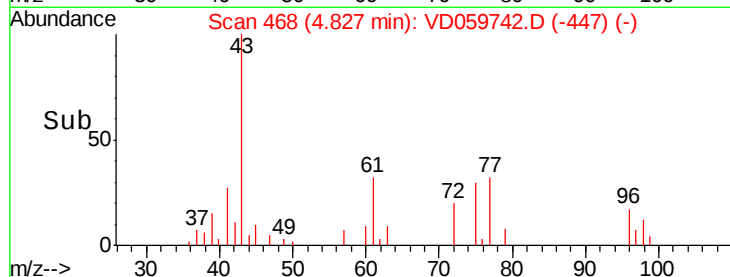
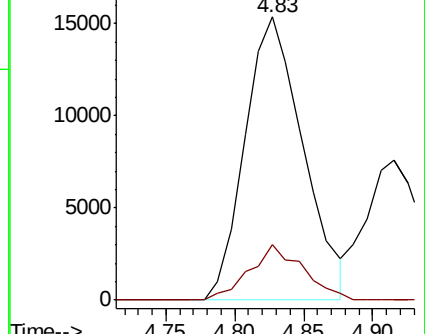
43 100

72 19.9 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: 20.13 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059742.D

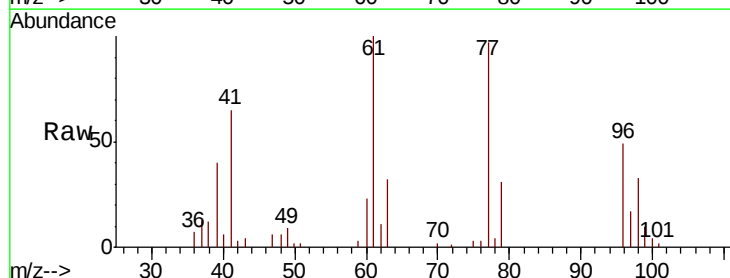
Acq: 13 Aug 2018 19:16

Tgt Ion: 77 Resp: 77467

Ion Ratio Lower Upper

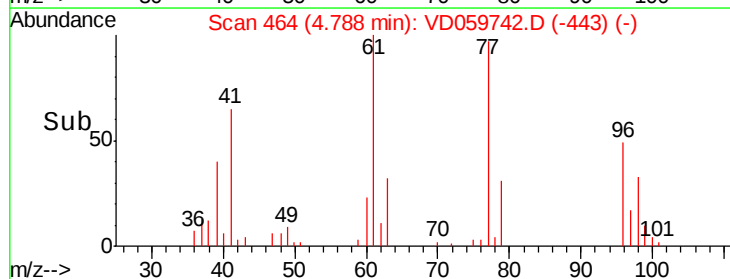
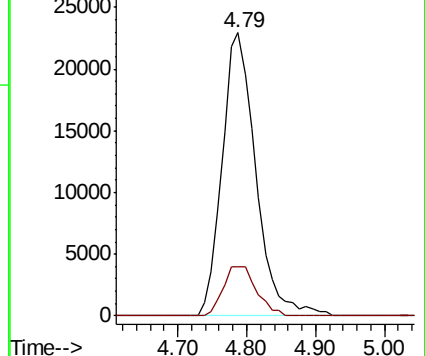
77 100

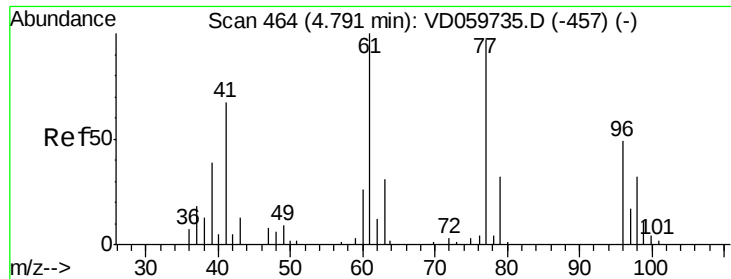
97 17.4 8.9 26.8



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: 21.28 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

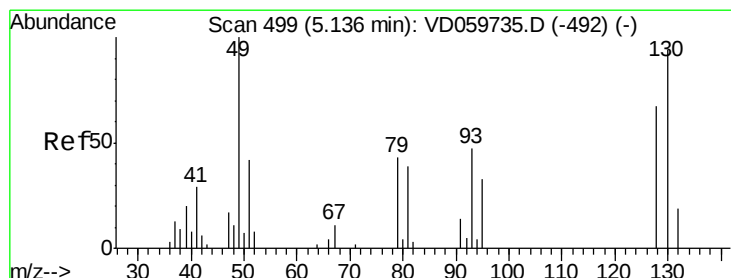
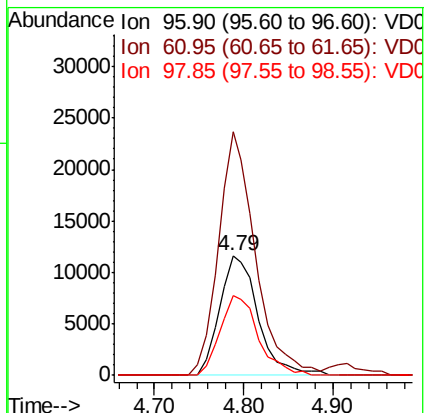
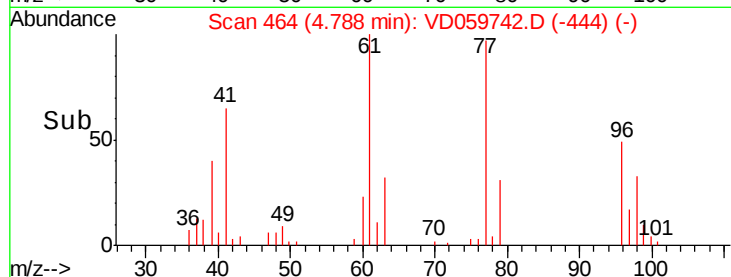
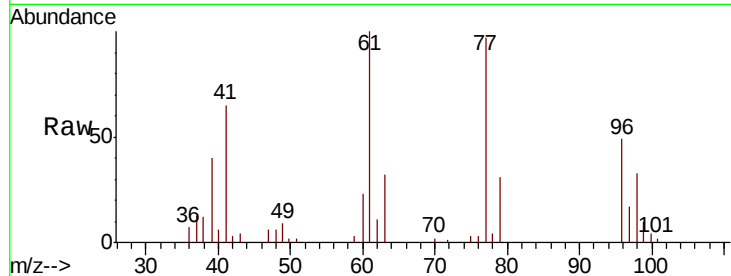
Tot Ion: 96 Resp: 34811

Ion Ratio Lower Upper

96 100

61 203.4 0.0 409.8

98 66.9 0.0 132.8



#28

Bromochloromethane

Concen: 20.96 ug/l

RT: 5.13 min Scan# 499

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

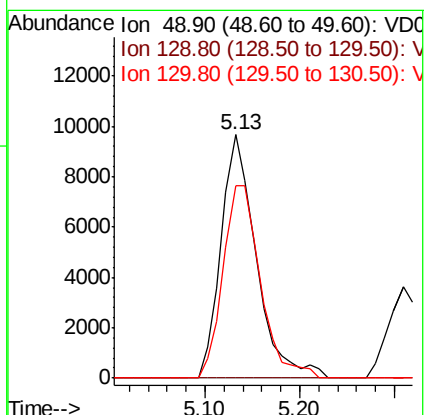
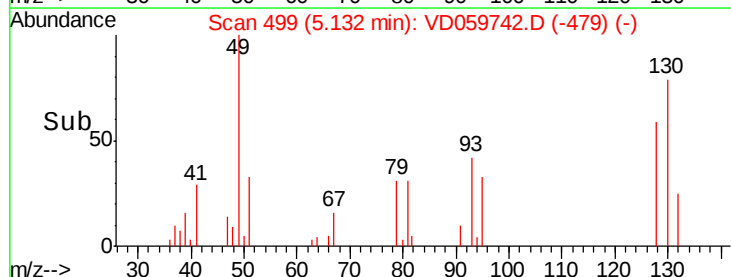
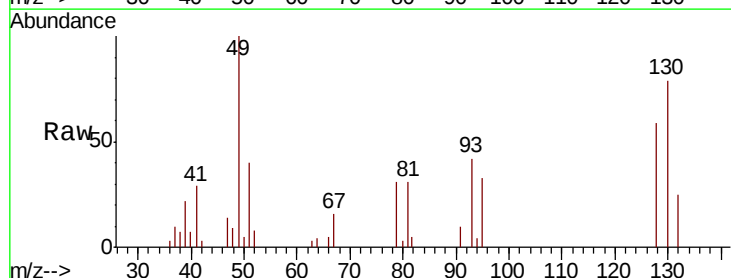
Tgt Ion: 49 Resp: 24843

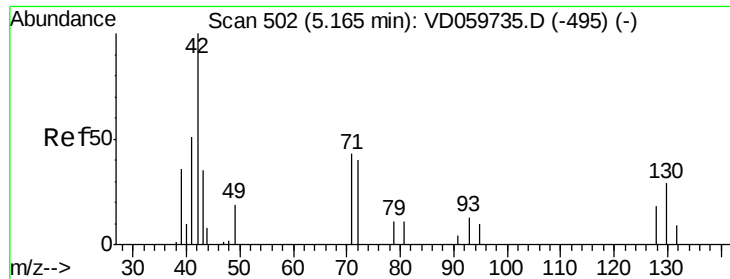
Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

130 79.2 75.0 112.6





#29

Tetrahydrofuran

Concen: 97.18 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.02 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

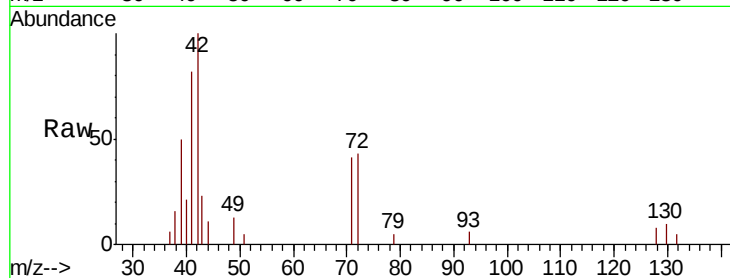
Tot Ion: 42 Resp: 18919

Ion Ratio Lower Upper

42 100

72 45.2 35.3 52.9

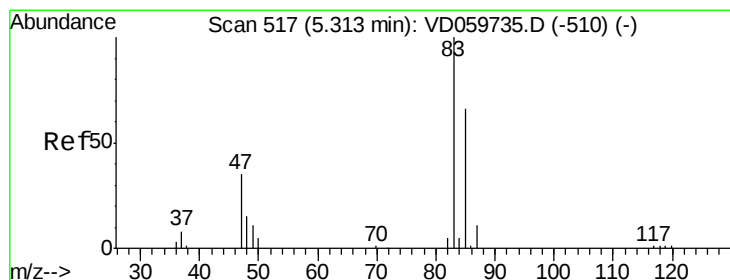
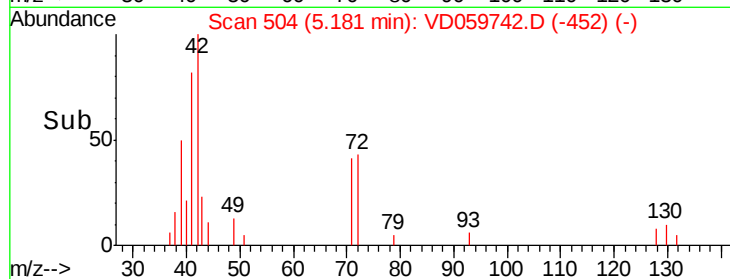
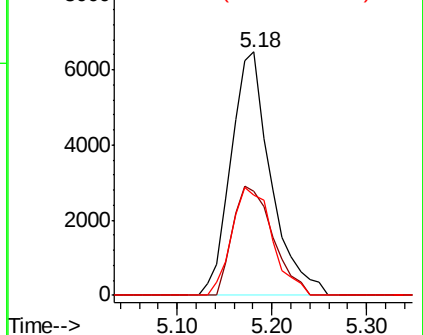
71 44.8 37.1 55.7



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: 19.58 ug/l

RT: 5.31 min Scan# 517

Delta R.T. -0.00 min

Lab File: VD059742.D

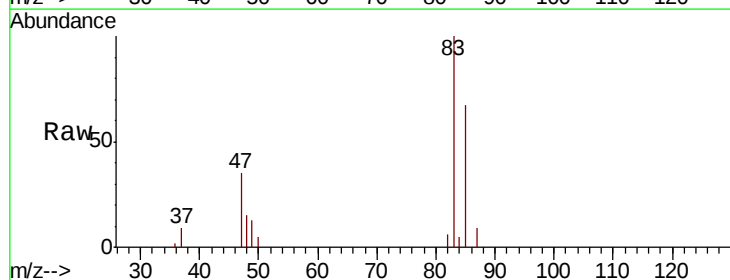
Acq: 13 Aug 2018 19:16

Tgt Ion: 83 Resp: 85132

Ion Ratio Lower Upper

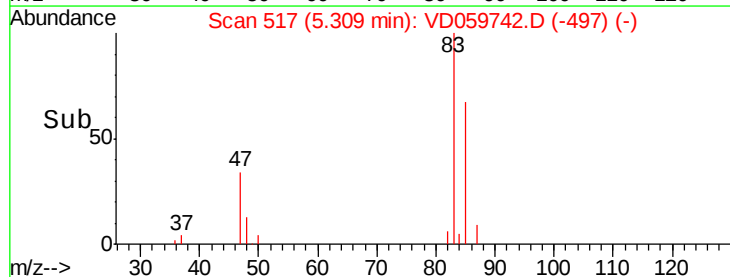
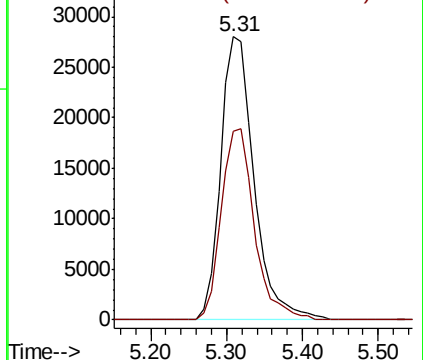
83 100

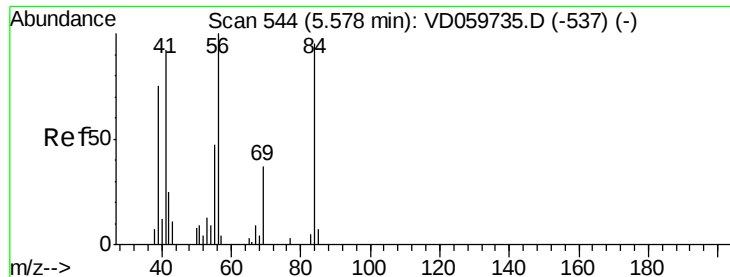
85 66.5 52.9 79.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

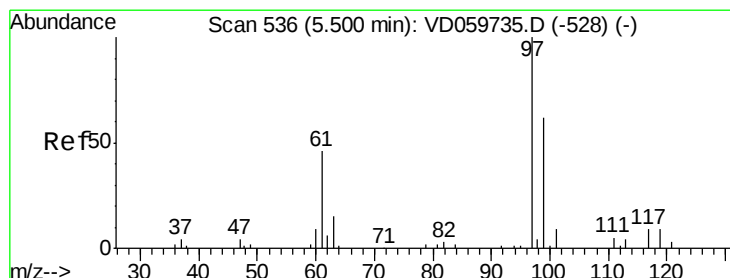
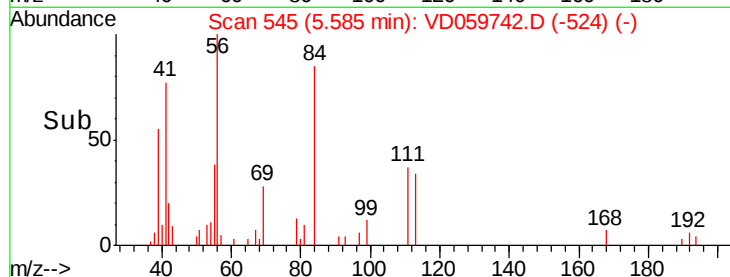
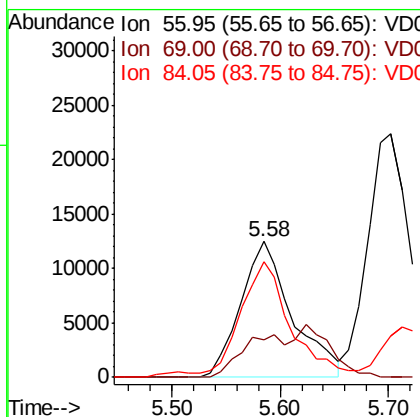
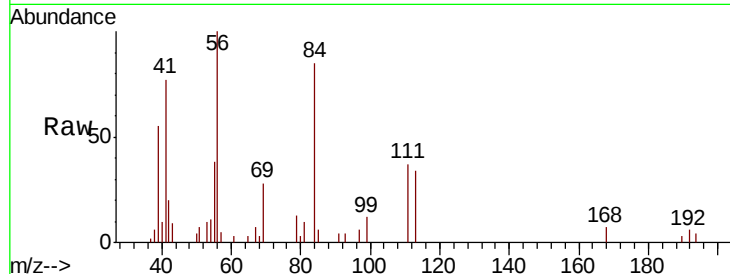




#31
Cyclohexane
Concen: 21.61 ug/l
RT: 5.58 min Scan# 545
Delta R.T. 0.01 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

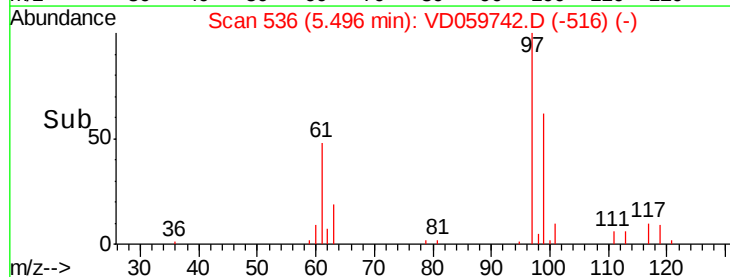
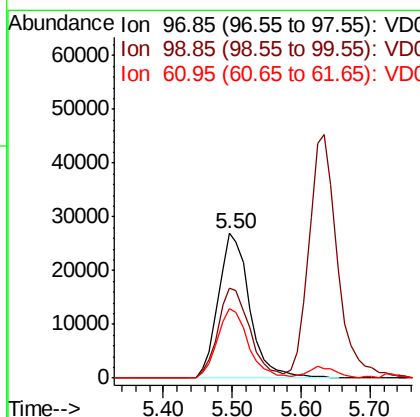
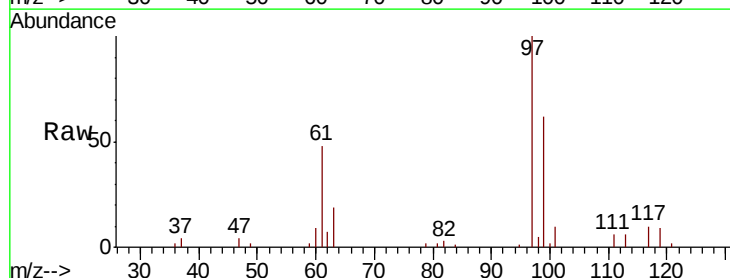
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

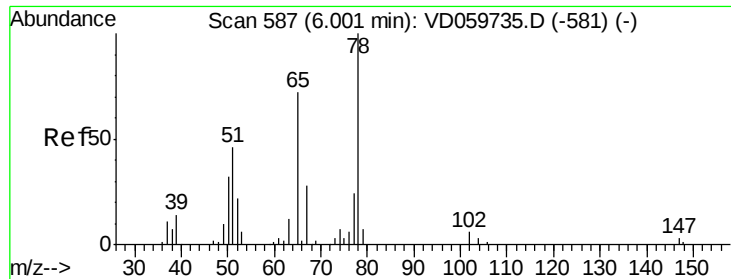
Tot Ion: 56 Resp: 41293
Ion Ratio Lower Upper
56 100
69 27.5 29.3 43.9#
84 85.0 76.2 114.2



#32
1,1,1-Trichloroethane
Concen: 18.82 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion: 97 Resp: 84810
Ion Ratio Lower Upper
97 100
99 62.1 49.8 74.6
61 48.3 37.0 55.4





#33

1,2-Dichloroethane-d4

Concen: 18.82 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

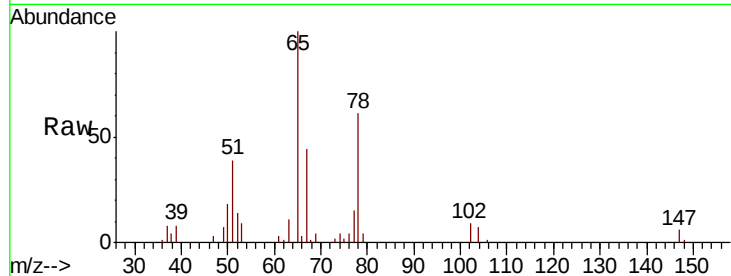
VD0813SBS01

Tot Ion: 65 Resp: 133857

Ion Ratio Lower Upper

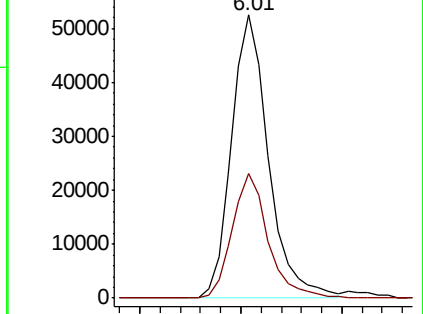
65 100

67 44.0 0.0 77.4

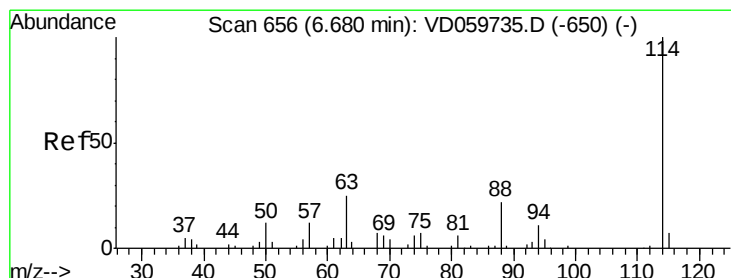
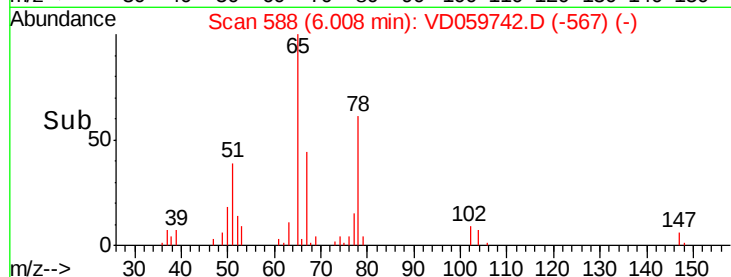


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

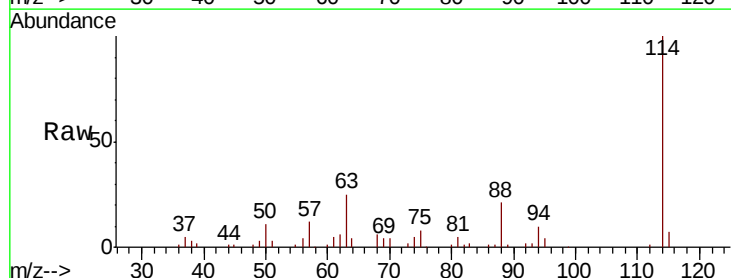
Tgt Ion: 114 Resp: 232240

Ion Ratio Lower Upper

114 100

63 25.3 0.0 50.6

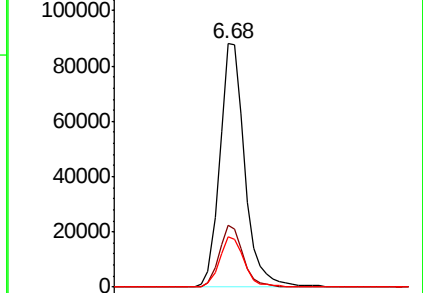
88 20.7 0.0 43.4



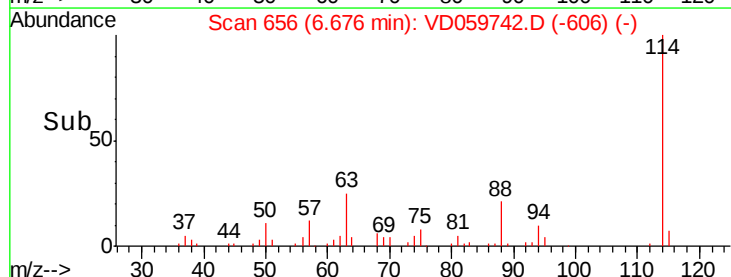
Abundance Ion 114.00 (113.70 to 114.70): V

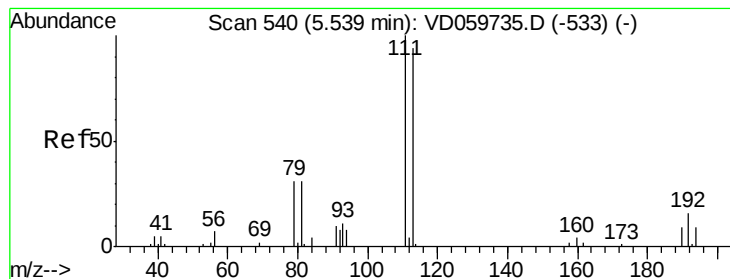
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

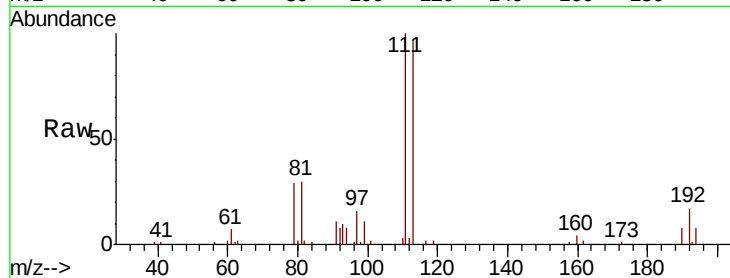
Tot Ion:113 Resp: 120252

Ion Ratio Lower Upper

113 100

111 102.8 85.3 127.9

192 17.6 13.9 20.9

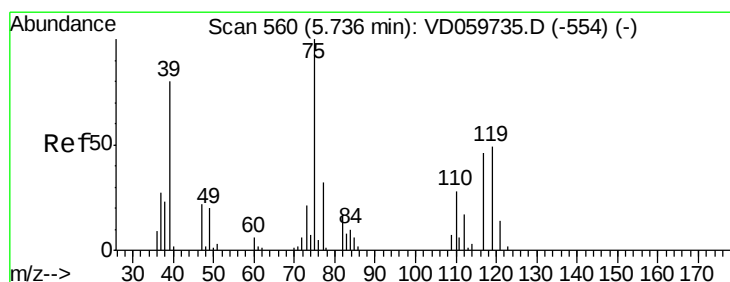
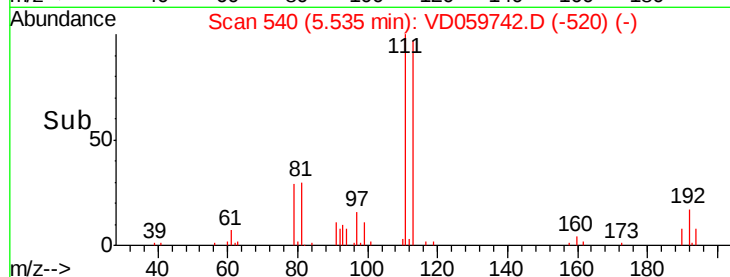
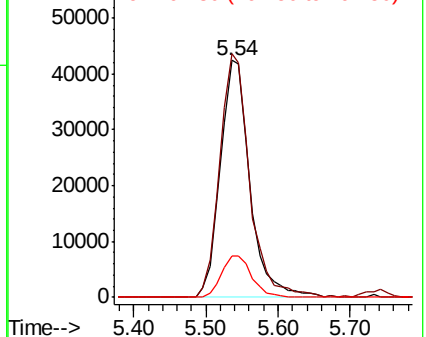


Abundance

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: 19.00 ug/l

RT: 5.74 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

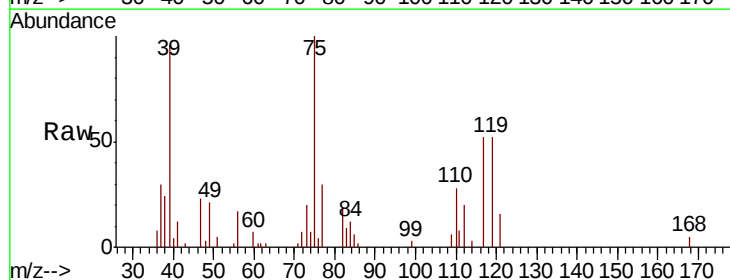
Tgt Ion: 75 Resp: 51225

Ion Ratio Lower Upper

75 100

110 27.6 13.7 41.0

77 30.2 25.4 38.2

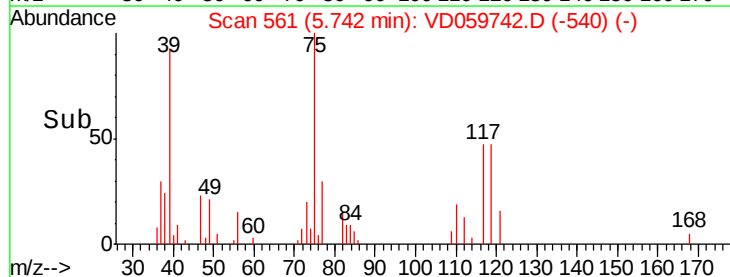
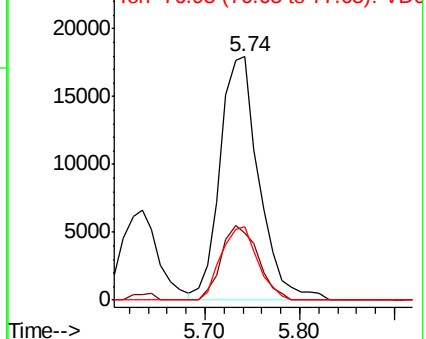


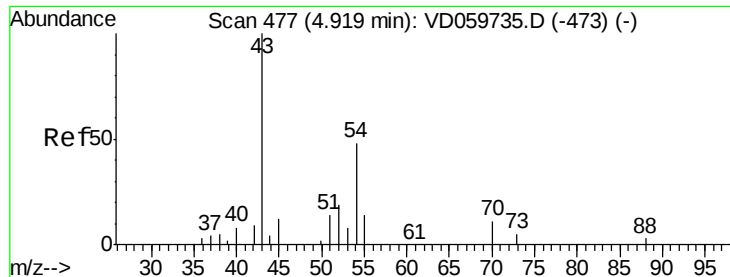
Abundance

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

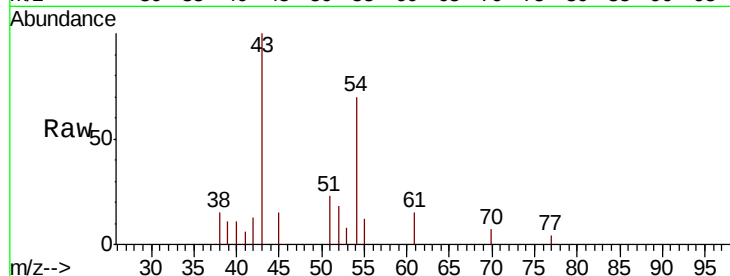




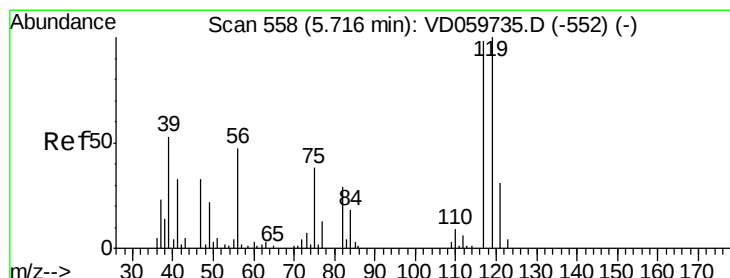
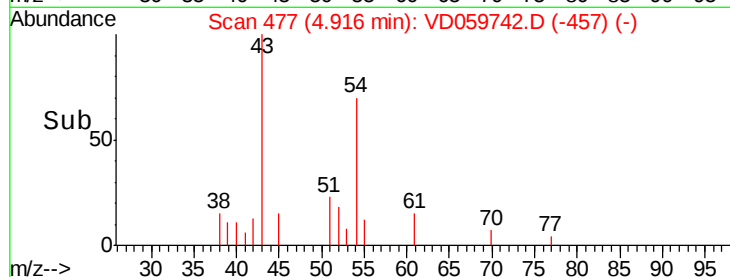
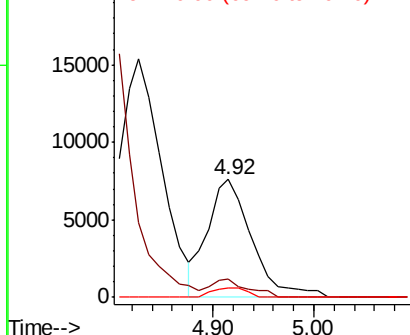
#37
Ethyl Acetate
Concen: 19.58 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion: 43 Resp: 23207
Ion Ratio Lower Upper
43 100
61 15.2 7.4 11.0#
70 7.4 5.8 8.8

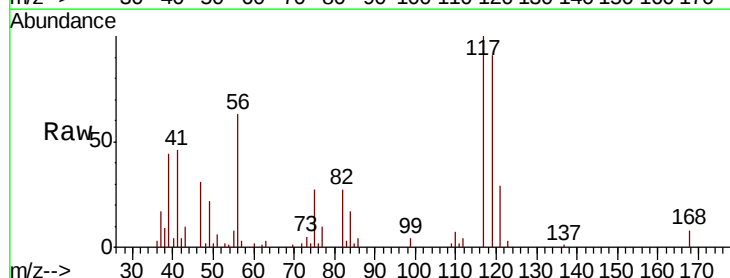


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

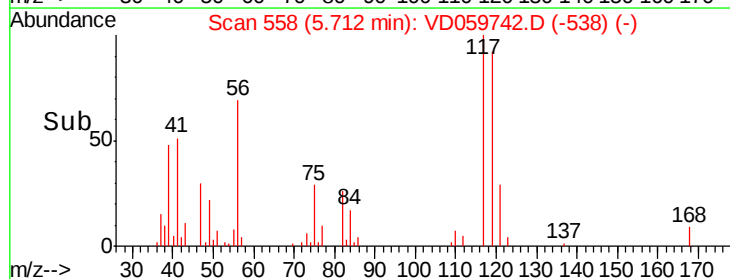
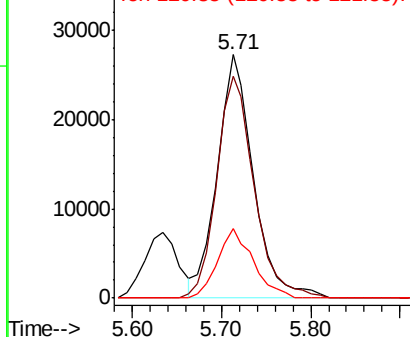


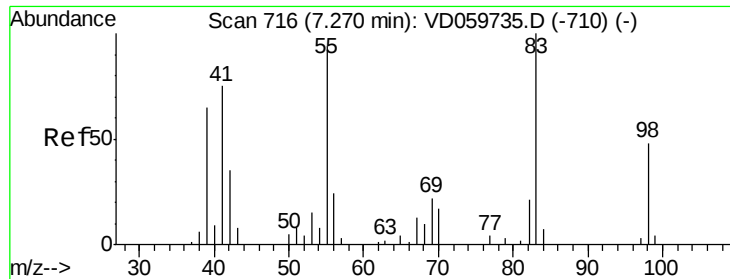
#38
Carbon Tetrachloride
Concen: 18.23 ug/l
RT: 5.71 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion: 117 Resp: 77314
Ion Ratio Lower Upper
117 100
119 91.2 78.2 117.2
121 28.7 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

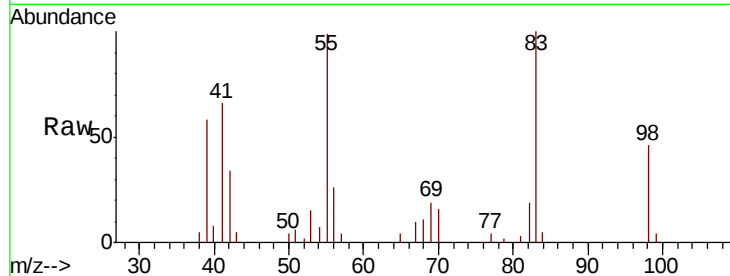




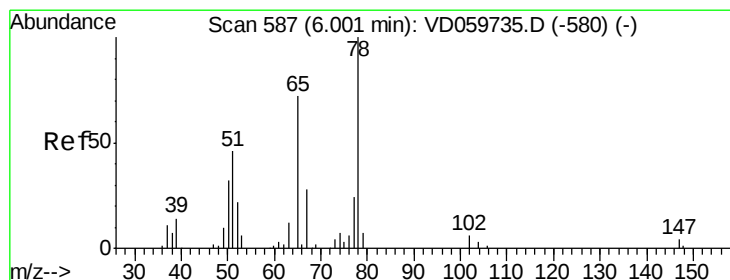
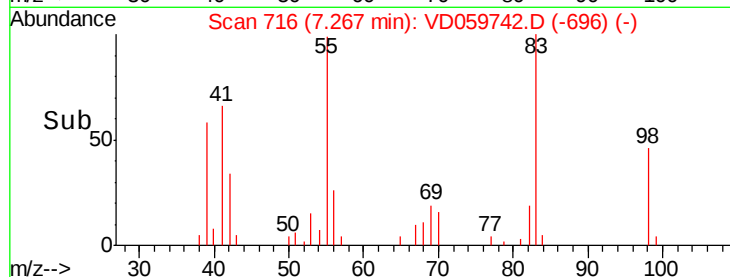
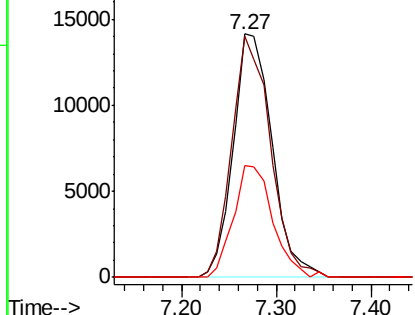
#39
Methvlcvclohexane
Concen: 20.20 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion: 83 Resp: 40349
Ion Ratio Lower Upper
83 100
55 99.2 75.1 112.7
98 45.8 38.7 58.1

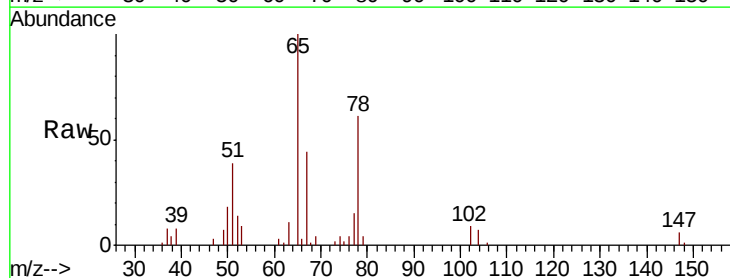


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

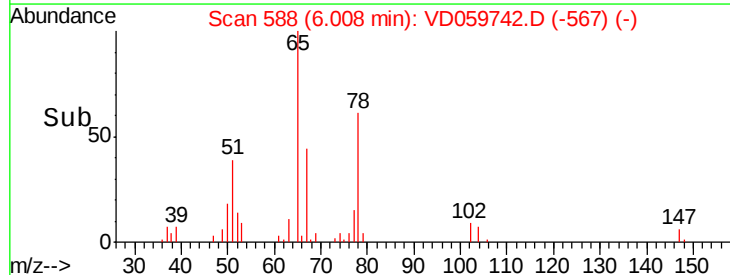
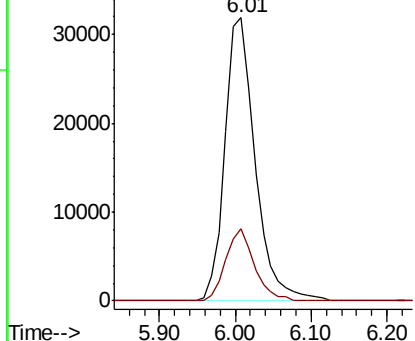


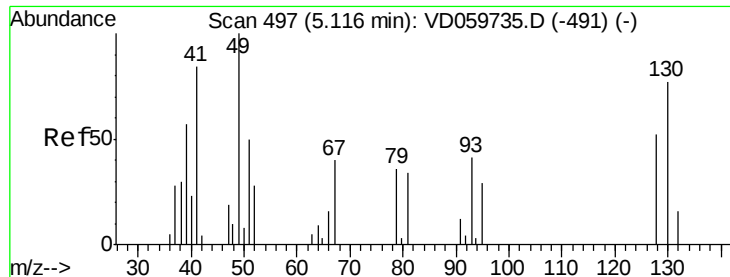
#40
Benzene
Concen: 18.75 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.01 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion: 78 Resp: 88090
Ion Ratio Lower Upper
78 100
77 25.3 19.4 29.0



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

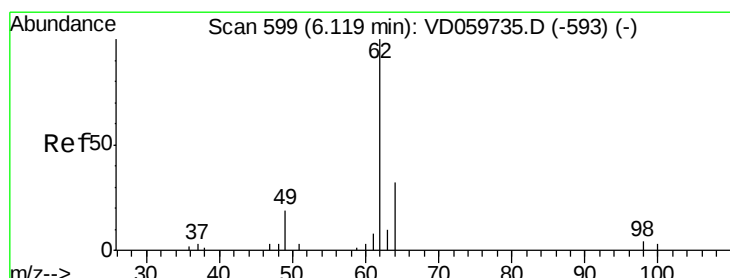
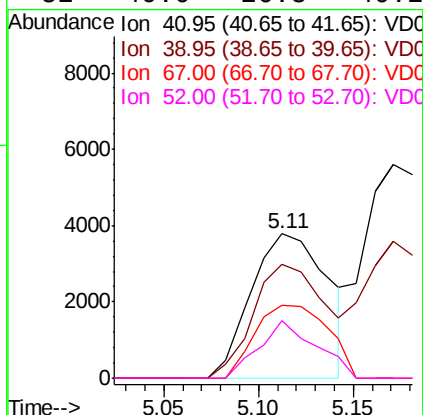
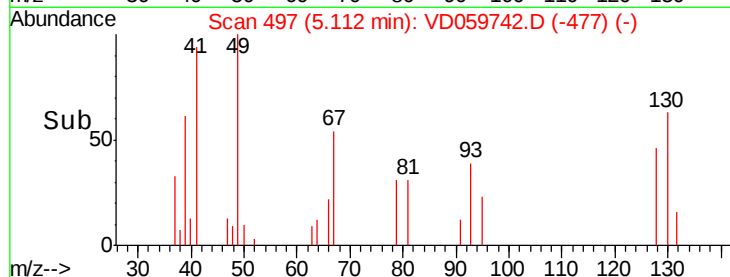
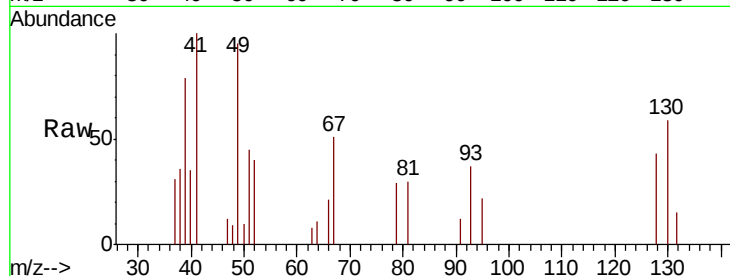




#41
Methacrylonitrile
Concen: 19.12 ug/l
RT: 5.11 min Scan# 497
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

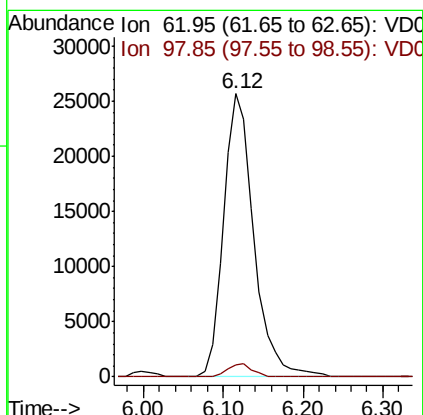
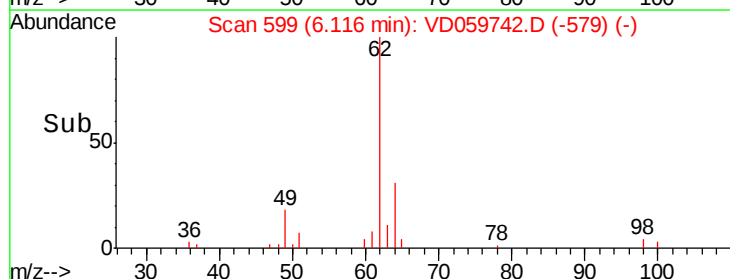
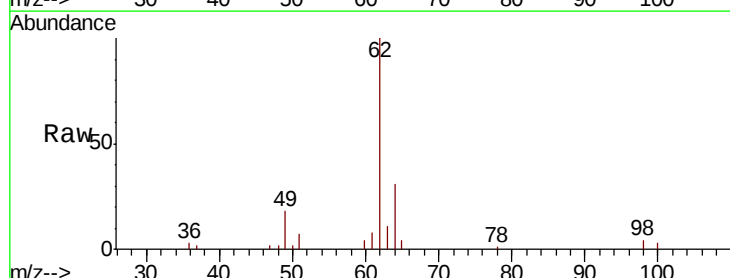
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

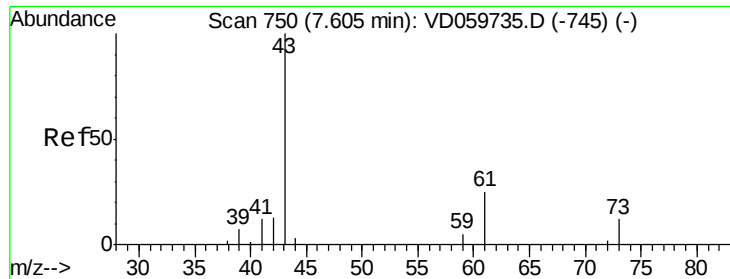
Tot Ion:	41	Resp:	10655
Ion	Ratio	Lower	Upper
41	100		
39	79.2	54.3	81.5
67	50.9	38.2	57.2
52	40.0	26.8	40.2



#42
1,2-Dichloroethane
Concen: 18.40 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion:	62	Resp:	68528
Ion	Ratio	Lower	Upper
62	100		
98	4.4	0.0	8.2



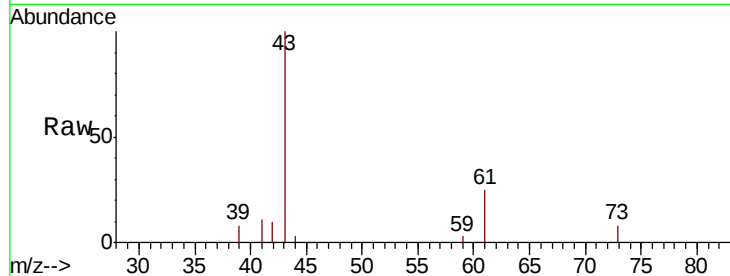


#43

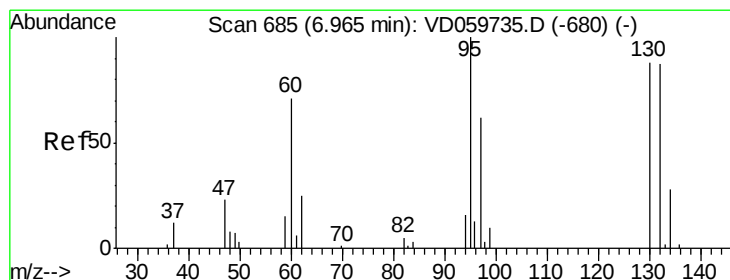
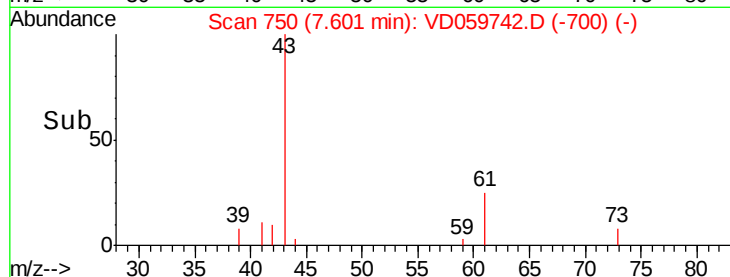
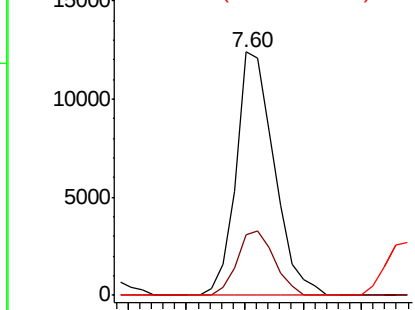
Isopropyl Acetate
 Concen: 18.80 ug/l
 RT: 7.60 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion: 43 Resp: 28080
 Ion Ratio Lower Upper
 43 100
 61 25.1 19.8 29.8
 87 0.0 0.0 0.0



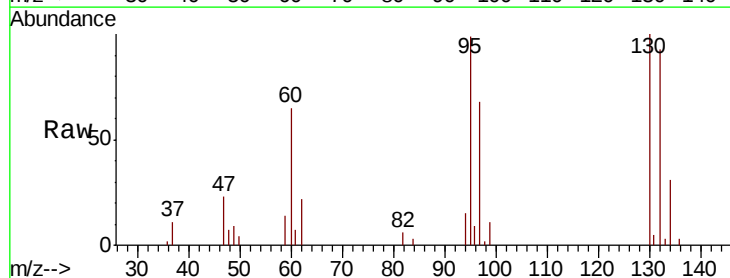
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



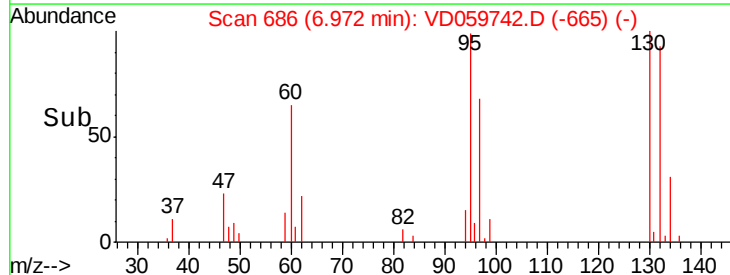
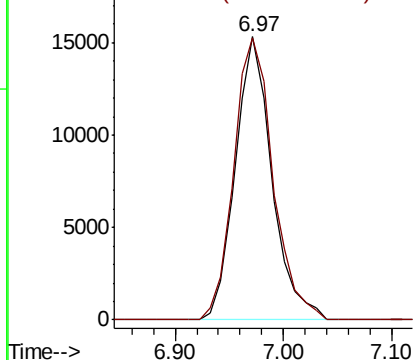
#44

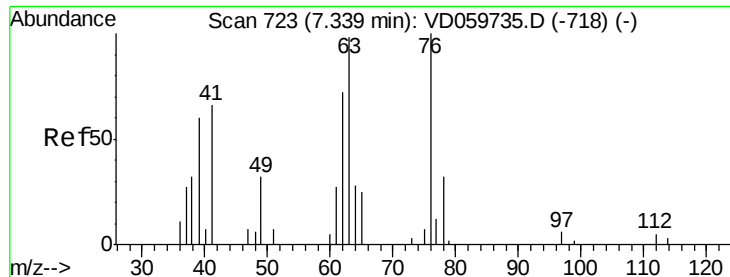
Trichloroethene
 Concen: 19.03 ug/l
 RT: 6.97 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion: 130 Resp: 36053
 Ion Ratio Lower Upper
 130 100
 95 99.5 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: 20.21 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

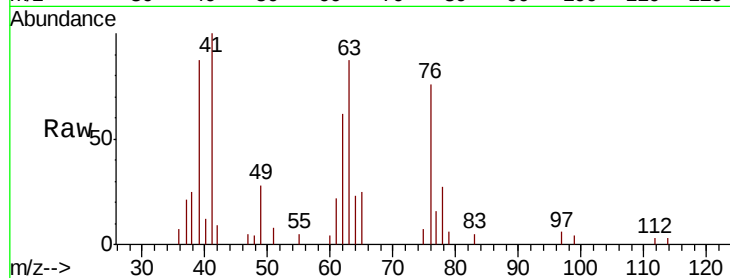
VD0813SBS01

Tot Ion: 63 Resp: 24182

Ion Ratio Lower Upper

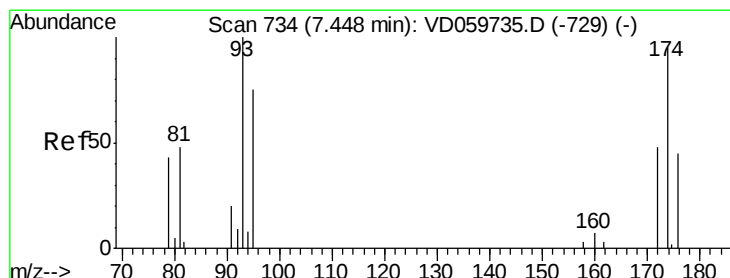
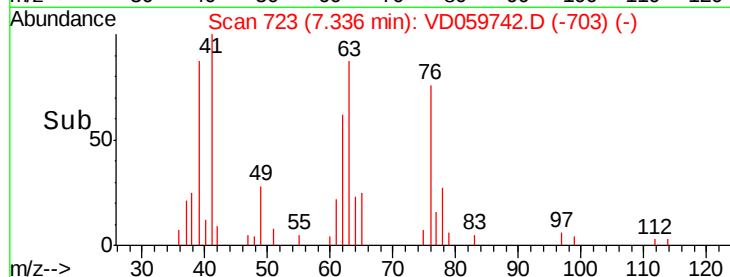
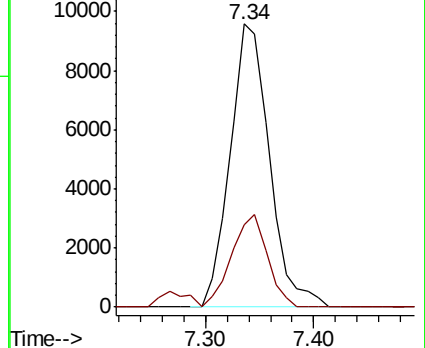
63 100

65 29.0 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: 18.40 ug/l

RT: 7.45 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

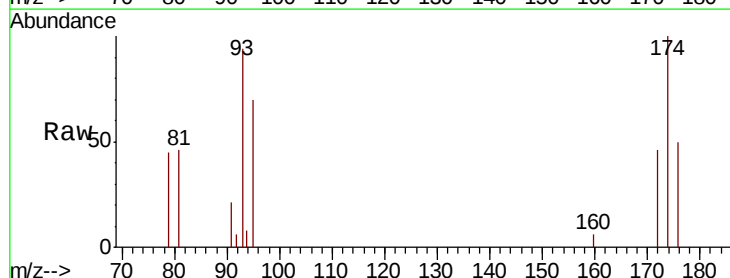
Tgt Ion: 93 Resp: 23376

Ion Ratio Lower Upper

93 100

95 74.8 60.2 90.2

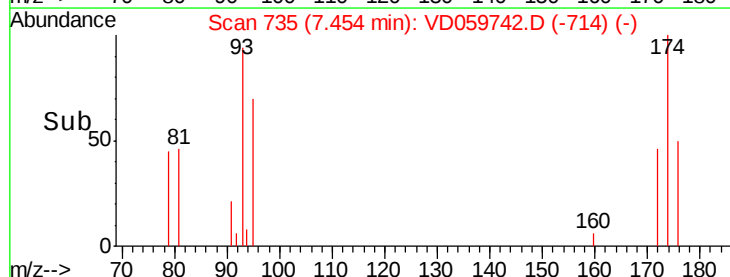
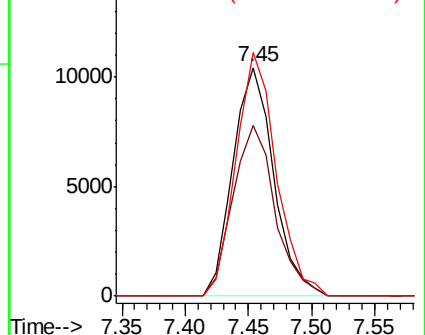
174 106.5 75.6 113.4

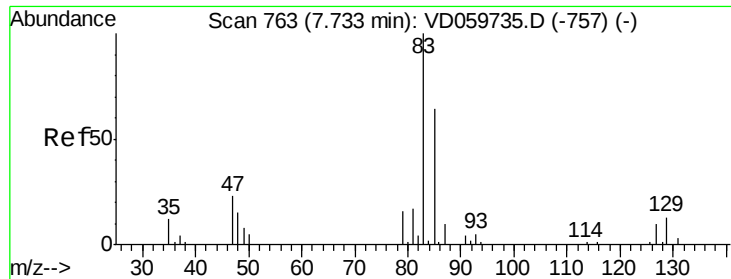


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 17.81 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

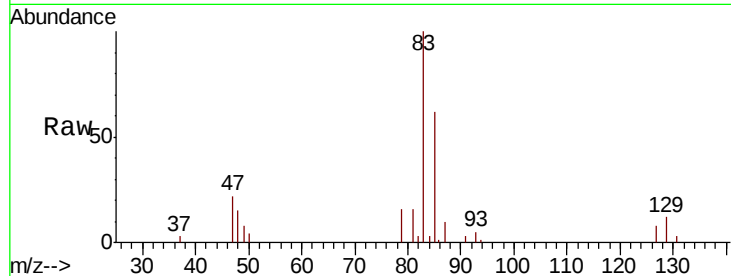
Tot Ion: 83 Resp: 59776

Ion Ratio Lower Upper

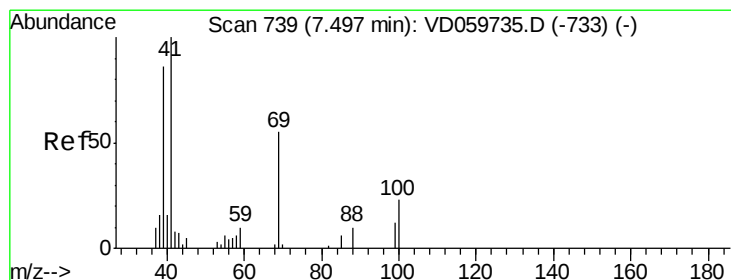
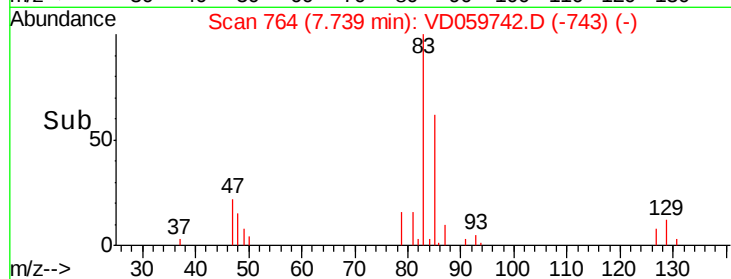
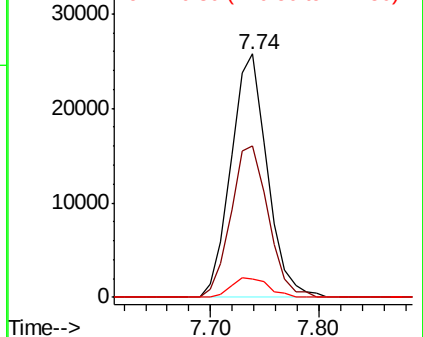
83 100

85 62.3 51.6 77.4

127 7.6 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: 18.34 ug/l

RT: 7.49 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

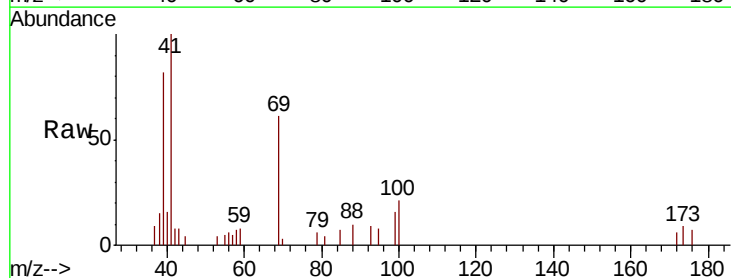
Tgt Ion: 41 Resp: 19994

Ion Ratio Lower Upper

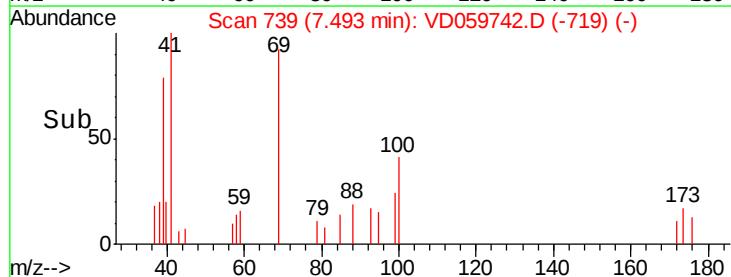
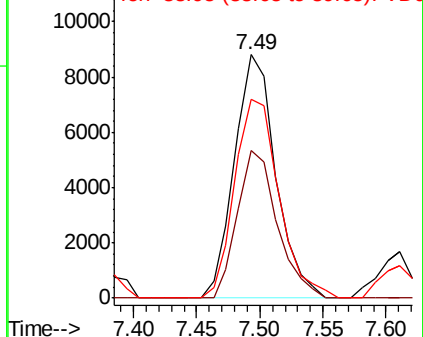
41 100

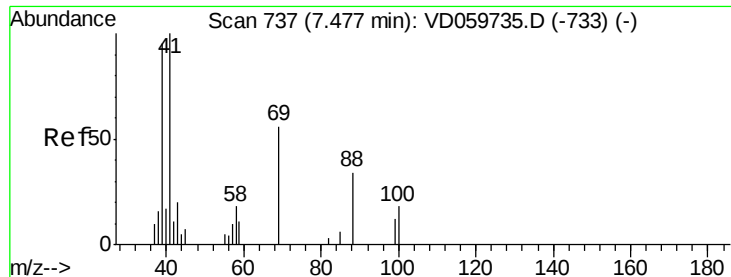
69 60.9 43.8 65.6

39 81.6 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: 410.93 ug/l

RT: 7.48 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

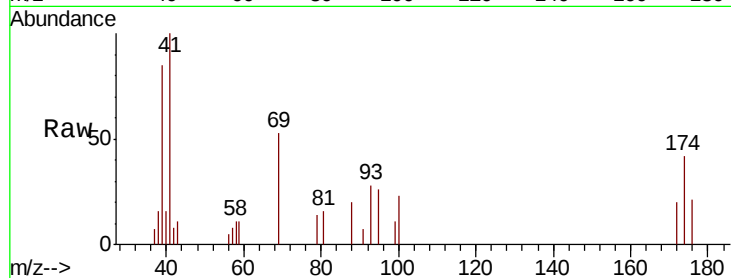
Tot Ion: 88 Resp: 3167

Ion Ratio Lower Upper

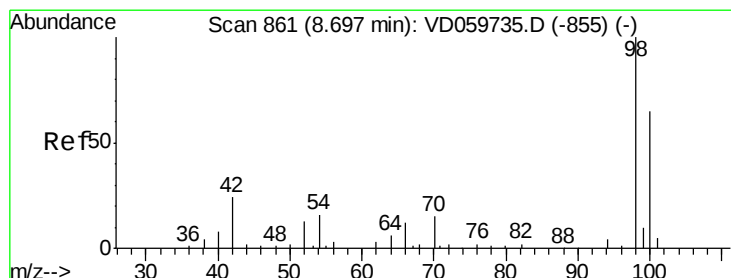
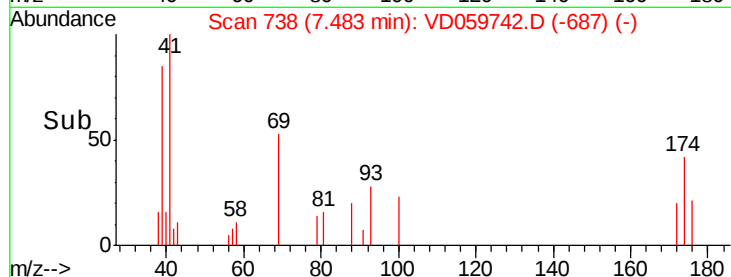
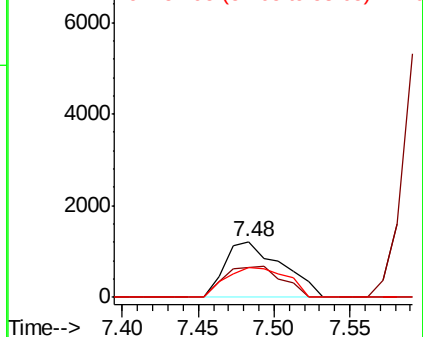
88 100

43 53.3 46.7 70.1

58 54.3 42.1 63.1



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



#50

Toluene-d8

Concen: 410.93 ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD059742.D

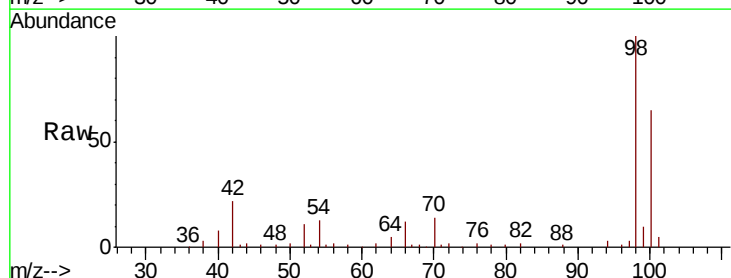
Acq: 13 Aug 2018 19:16

Tgt Ion: 98 Resp: 238571

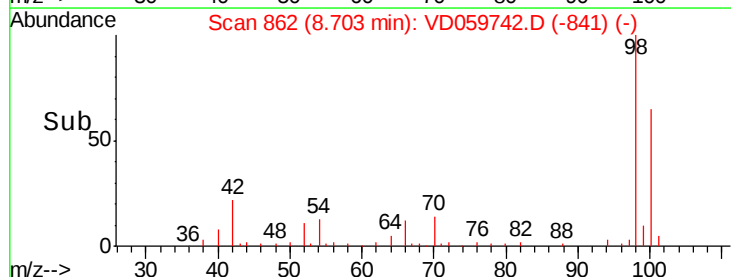
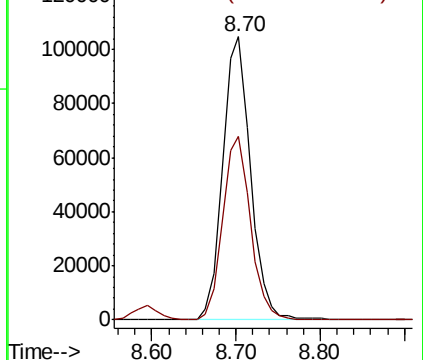
Ion Ratio Lower Upper

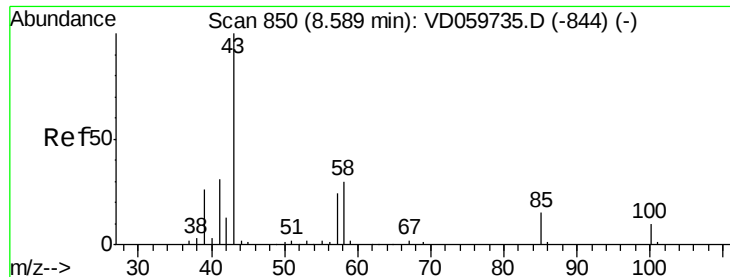
98 100

100 65.0 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 85.53 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

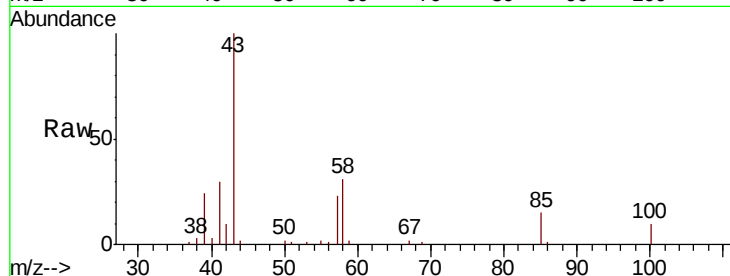
VD0813SBS01

Tot Ion: 43 Resp: 98477

Ion Ratio Lower Upper

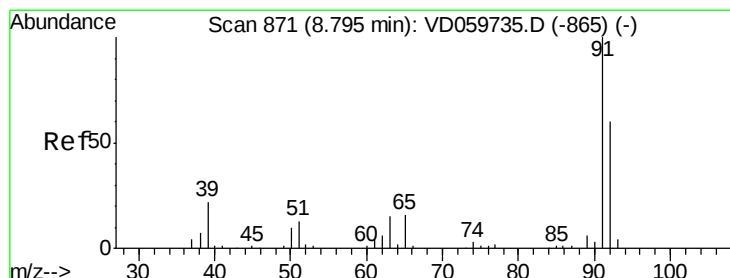
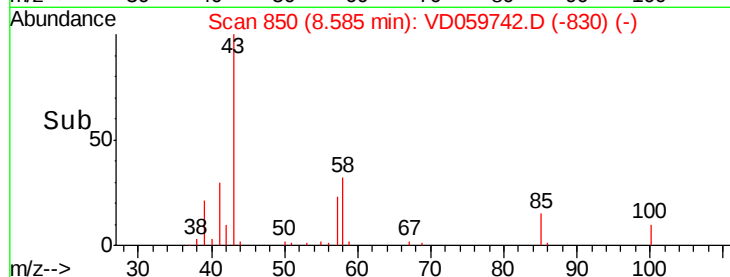
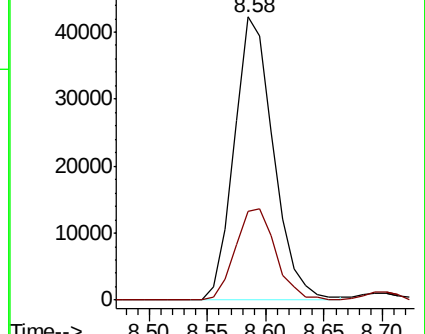
43 100

58 31.4 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: 20.44 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059742.D

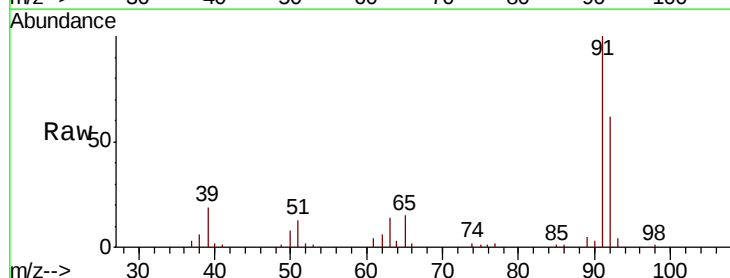
Acq: 13 Aug 2018 19:16

Tgt Ion: 92 Resp: 61729

Ion Ratio Lower Upper

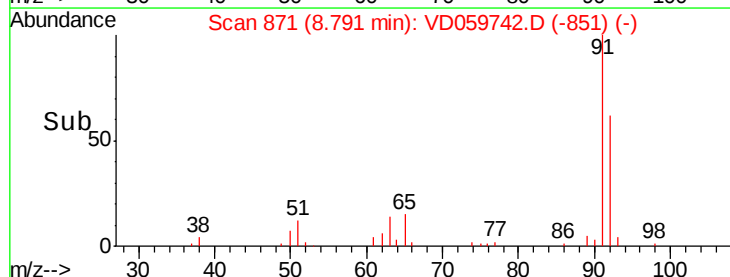
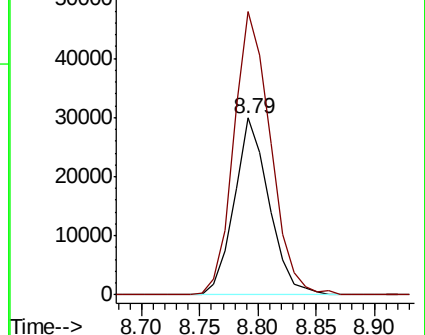
92 100

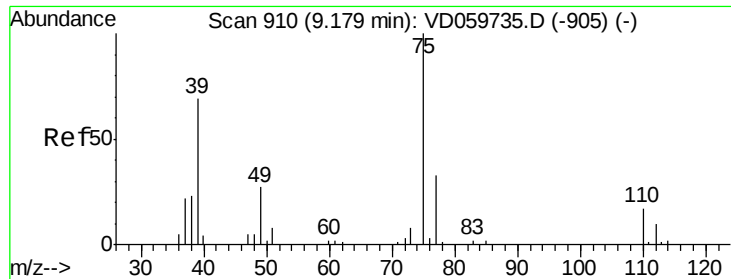
91 160.1 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

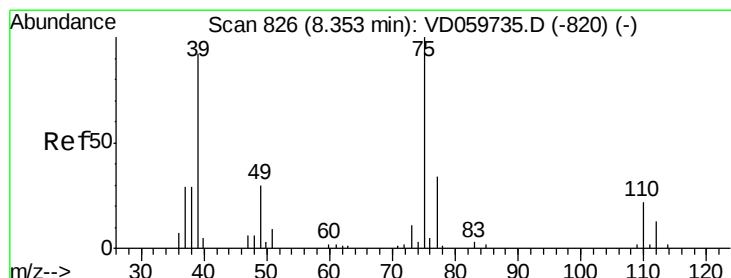
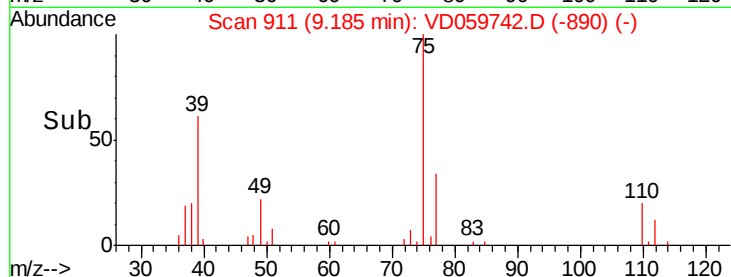
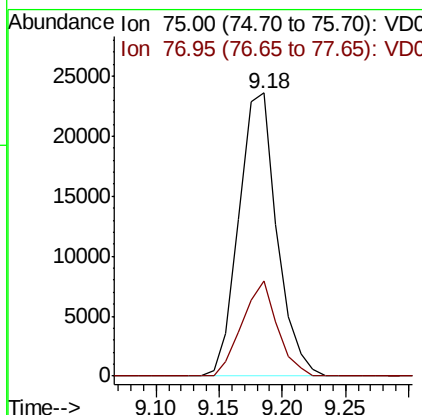
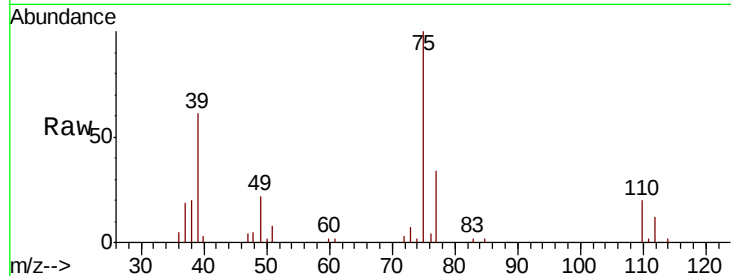




#53
 t-1,3-Dichloropropene
 Concen: 18.30 ug/l
 RT: 9.18 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

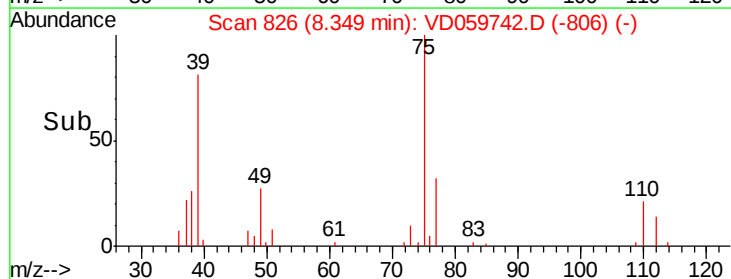
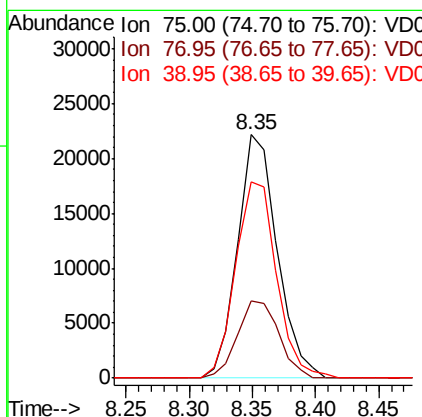
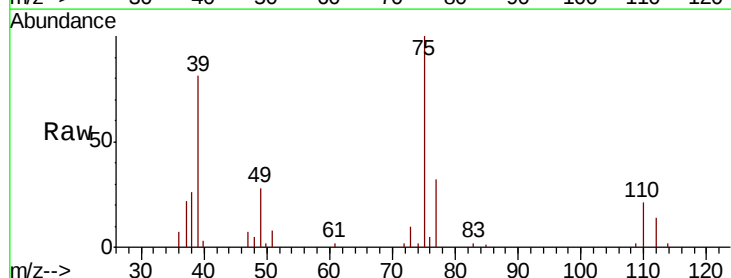
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

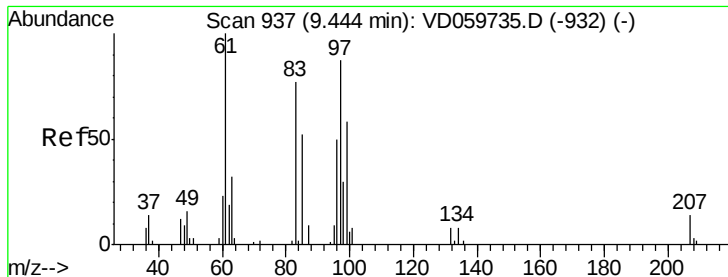
Tot Ion: 75 Resp: 49370
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.66 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion: 75 Resp: 48312
 Ion Ratio Lower Upper
 75 100
 77 31.8 27.2 40.8
 39 80.6 73.8 110.8





#55

1,1,2-Trichloroethane

Concen: 18.99 ug/l

RT: 9.45 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 97 Resp: 22615

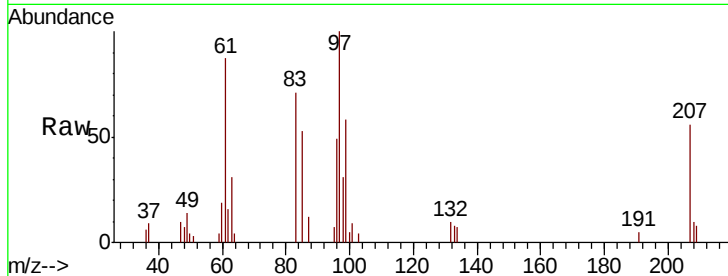
Ion Ratio Lower Upper

97 100

83 70.7 70.4 105.6

85 52.6 47.6 71.4

99 57.7 53.1 79.7

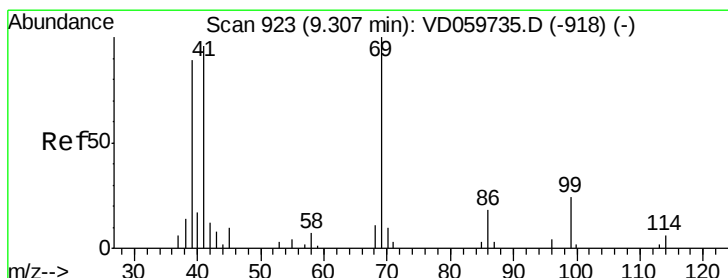
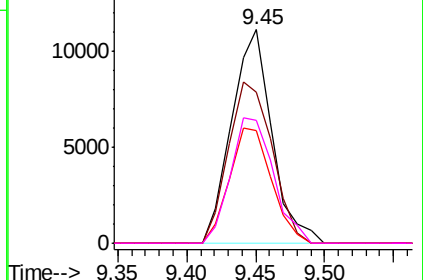
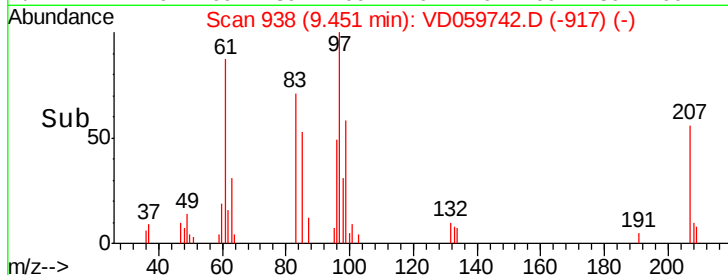


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 18.84 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

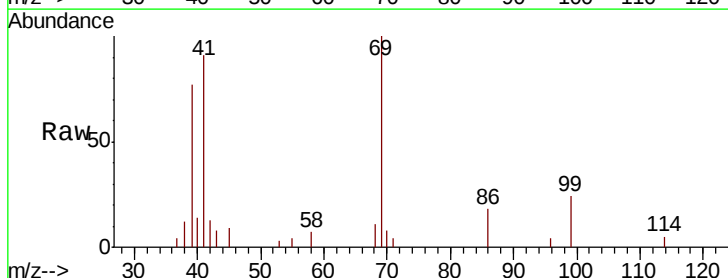
Tgt Ion: 69 Resp: 25574

Ion Ratio Lower Upper

69 100

41 90.8 76.7 115.1

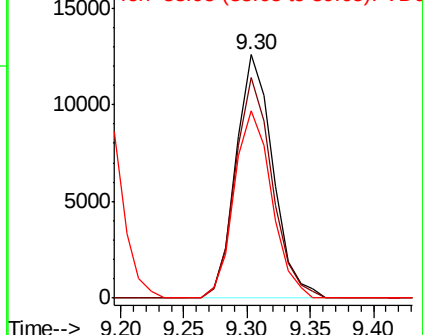
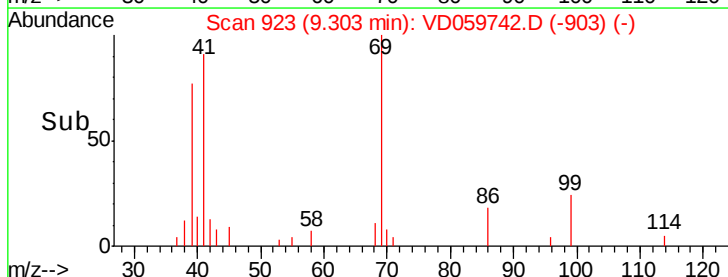
39 77.1 71.0 106.4

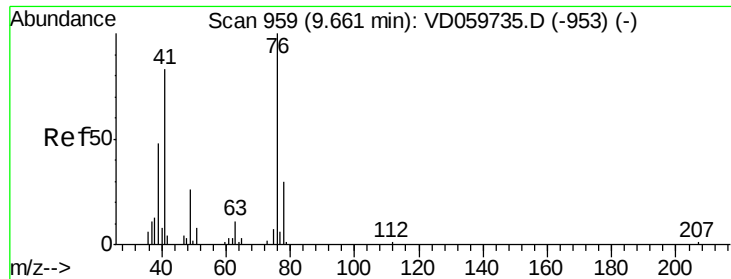


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.25 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

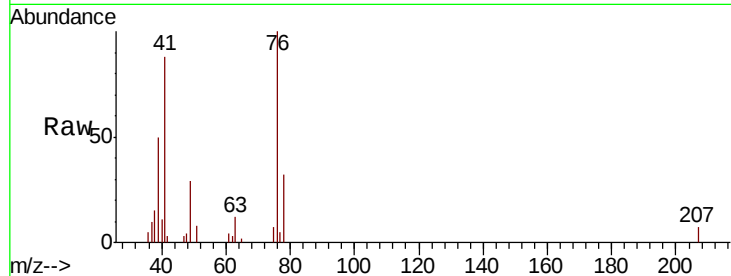
VD0813SBS01

Tot Ion: 76 Resp: 36181

Ion Ratio Lower Upper

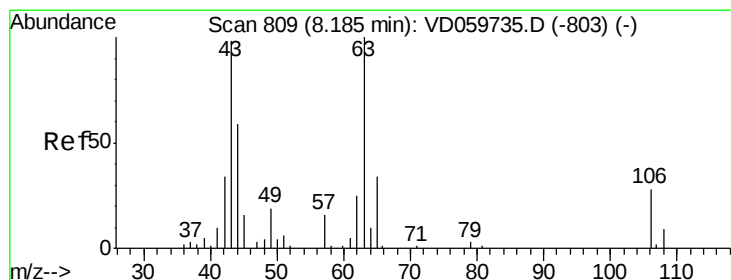
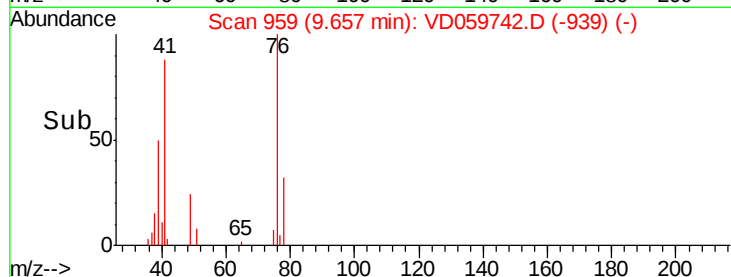
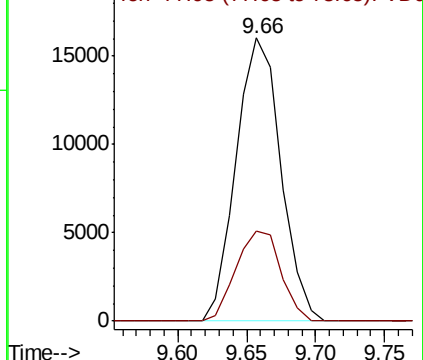
76 100

78 31.6 23.8 35.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.06 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD059742.D

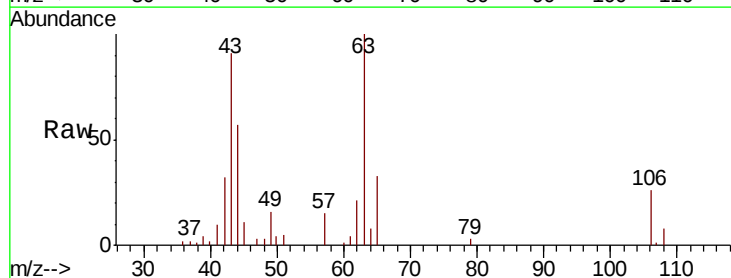
Acq: 13 Aug 2018 19:16

Tgt Ion: 63 Resp: 67927

Ion Ratio Lower Upper

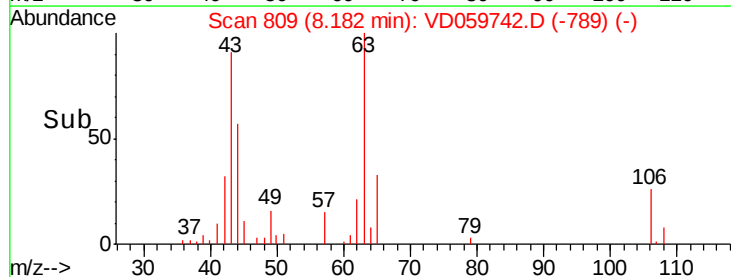
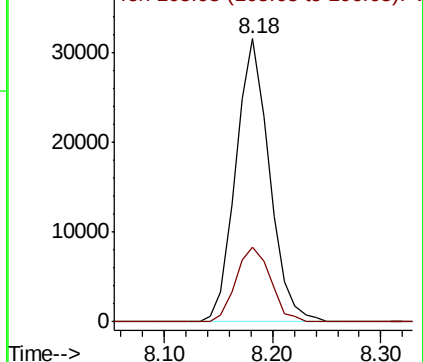
63 100

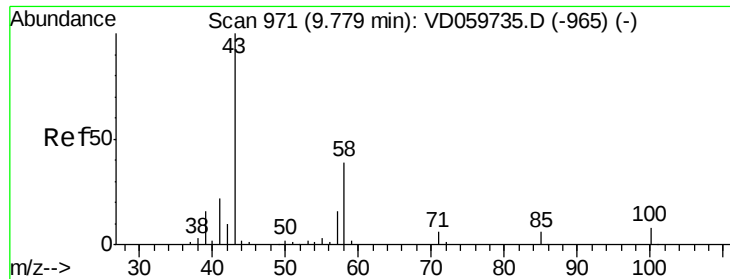
106 26.4 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

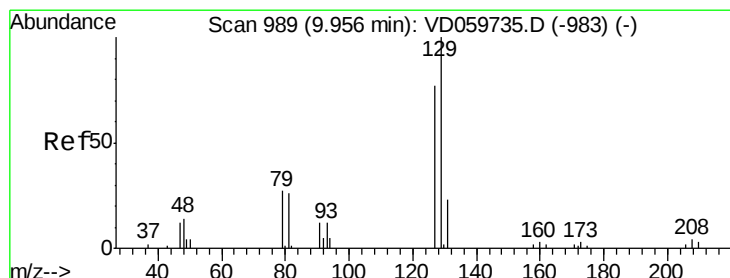
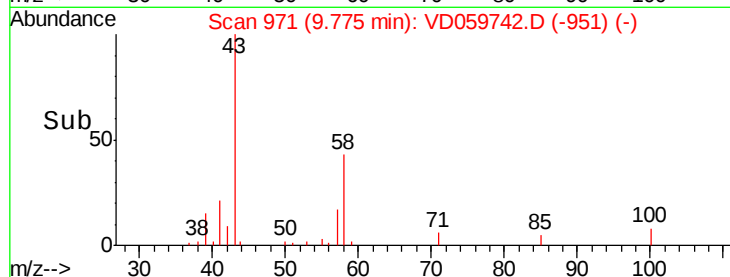
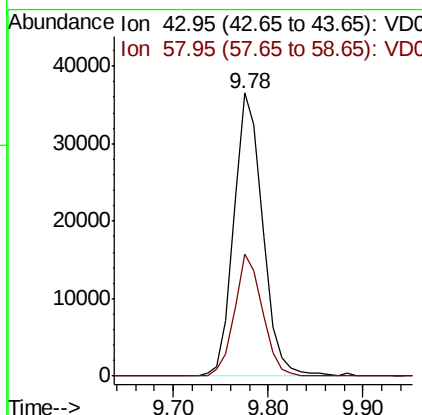
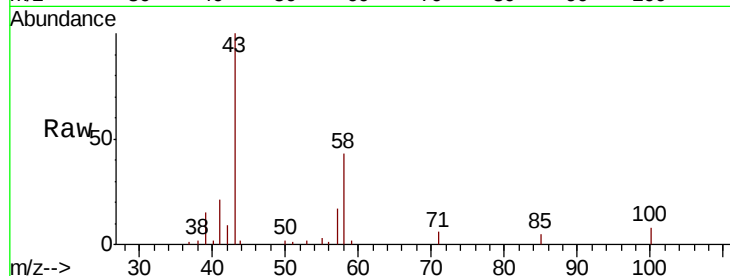




#59
2-Hexanone
Concen: 89.40 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

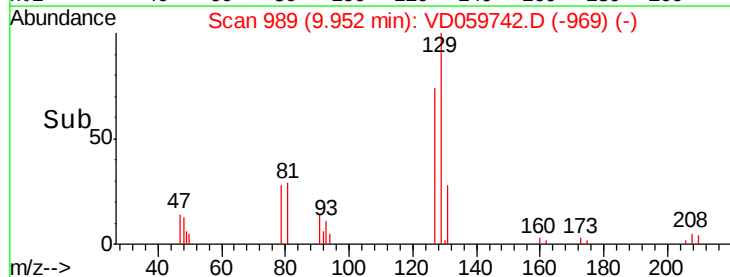
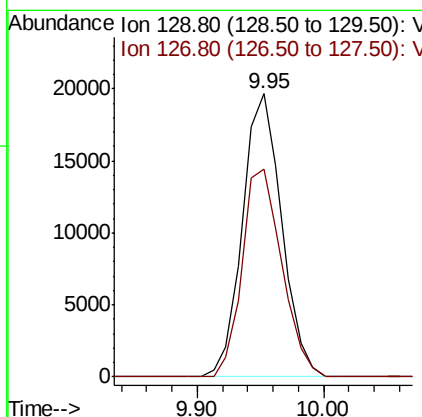
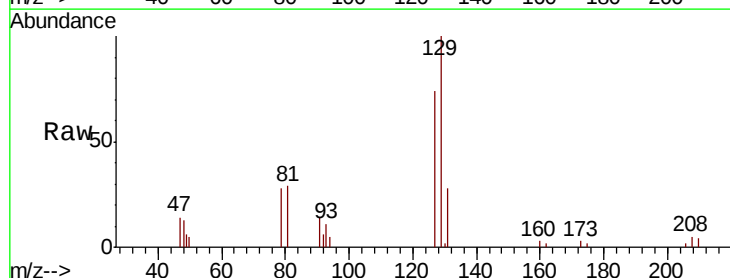
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

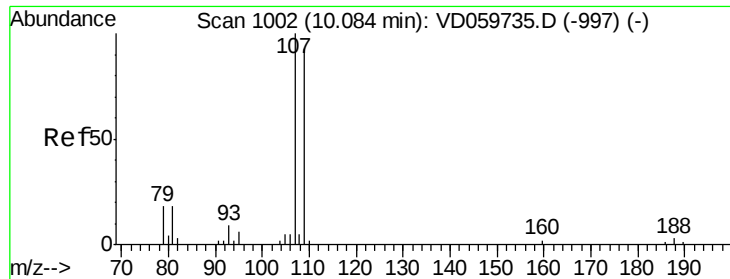
Tot Ion: 43 Resp: 77025
Ion Ratio Lower Upper
43 100
58 43.3 19.8 59.3



#60
Dibromochloromethane
Concen: 18.42 ug/l
RT: 9.95 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion: 129 Resp: 42336
Ion Ratio Lower Upper
129 100
127 73.5 38.6 115.7





#61

1,2-Dibromoethane

Concen: 18.38 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

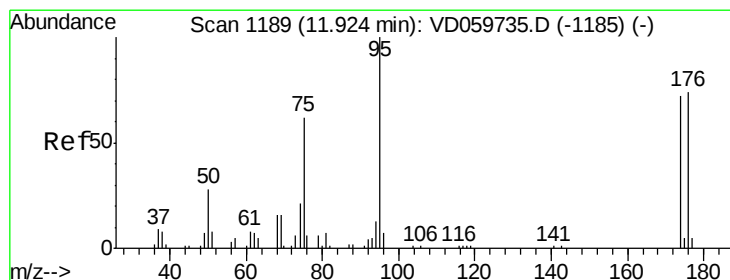
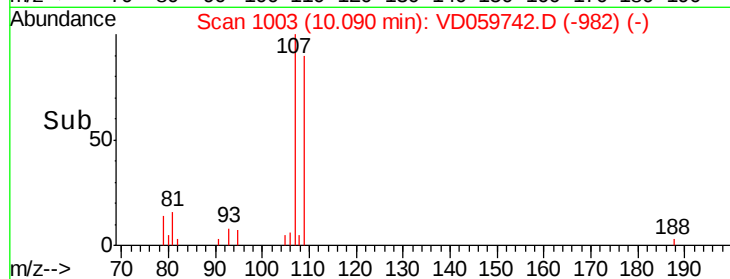
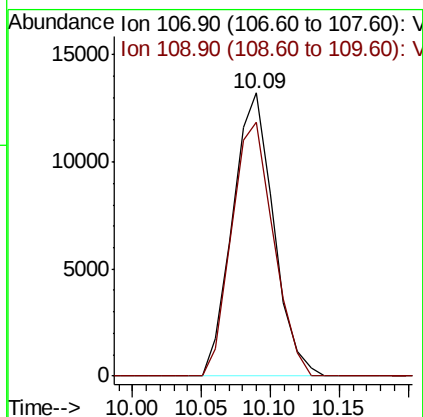
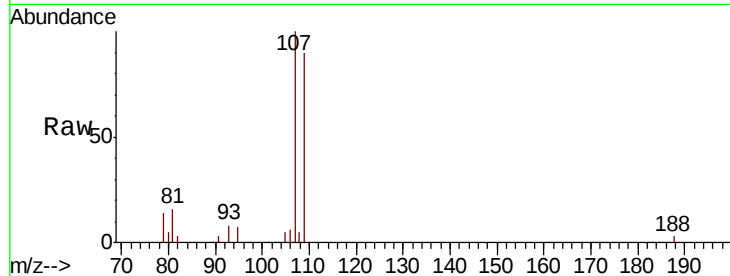
VD0813SBS01

Tot Ion:107 Resp: 27373

Ion Ratio Lower Upper

107 100

109 89.8 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 18.38 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

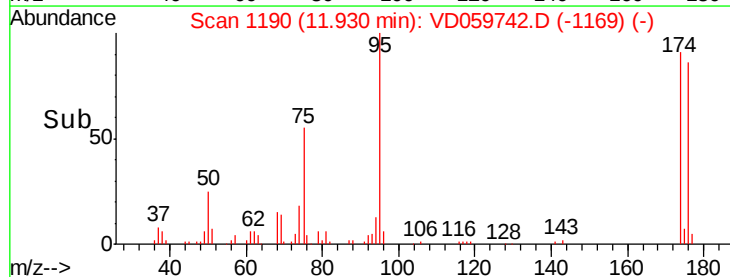
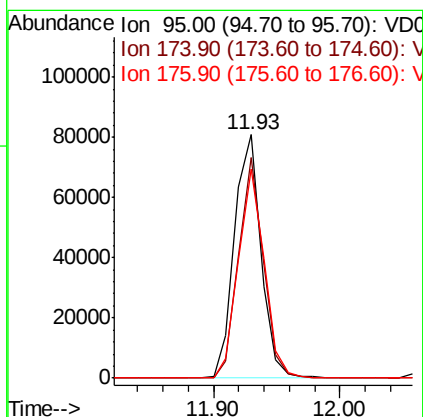
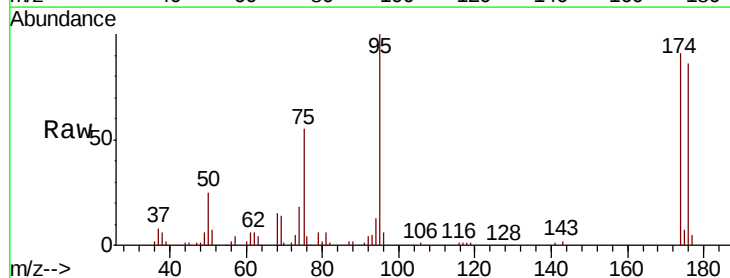
Tgt Ion: 95 Resp: 116583

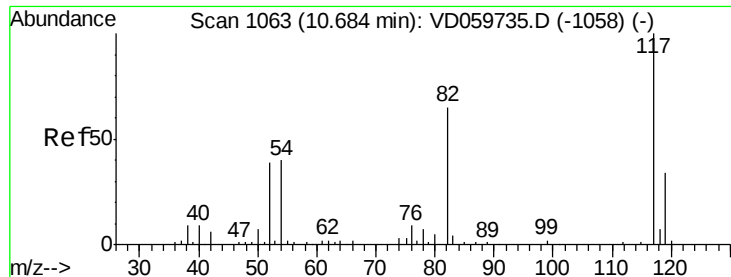
Ion Ratio Lower Upper

95 100

174 90.8 0.0 143.2

176 85.7 0.0 147.2

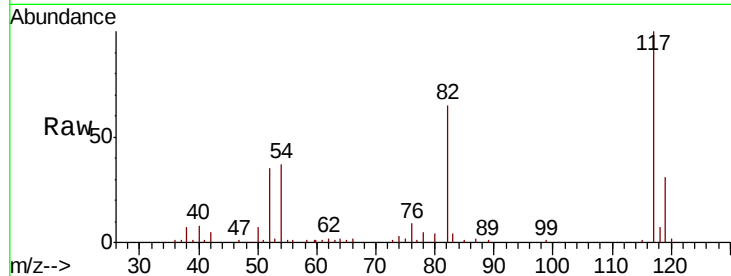




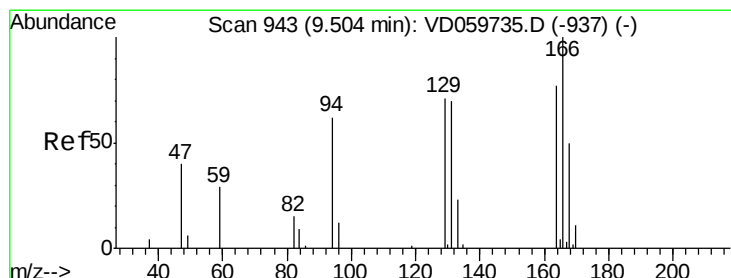
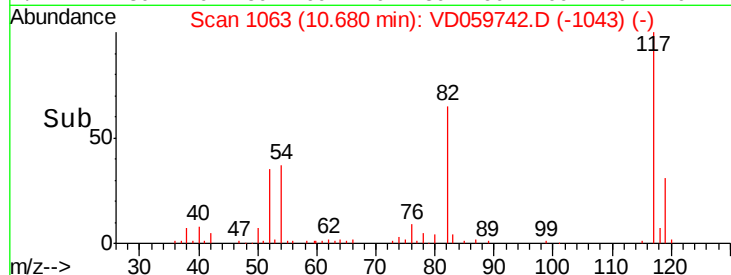
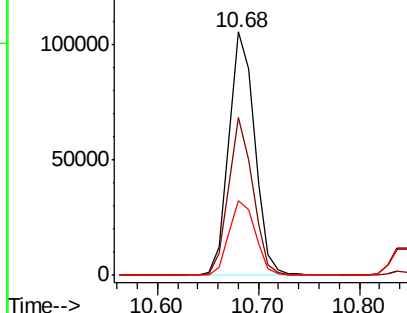
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion:117 Resp: 186734
Ion Ratio Lower Upper
117 100
82 64.7 51.9 77.9
119 30.7 27.4 41.0

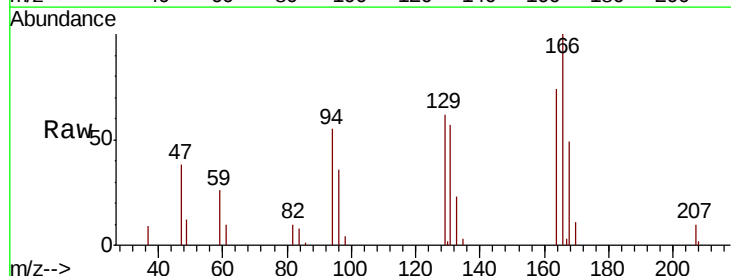


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

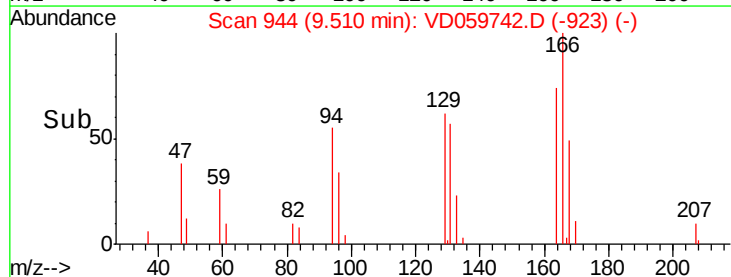
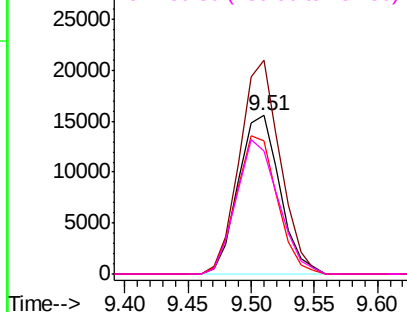


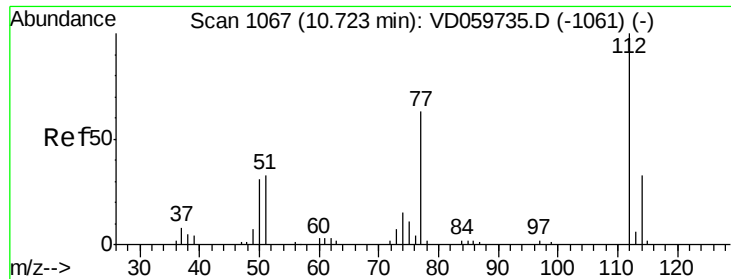
#64
Tetrachloroethene
Concen: 19.39 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion:164 Resp: 35531
Ion Ratio Lower Upper
164 100
166 135.1 103.5 155.3
129 84.0 73.5 110.3
131 77.6 72.3 108.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

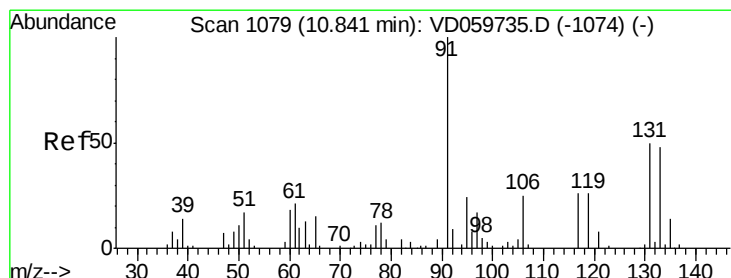
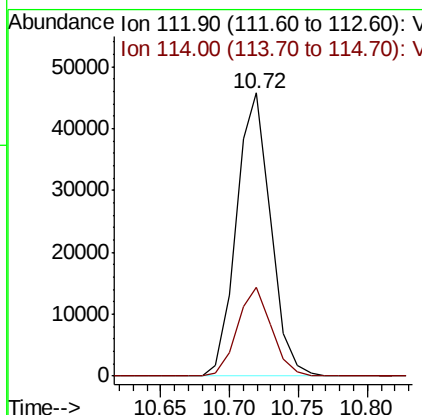
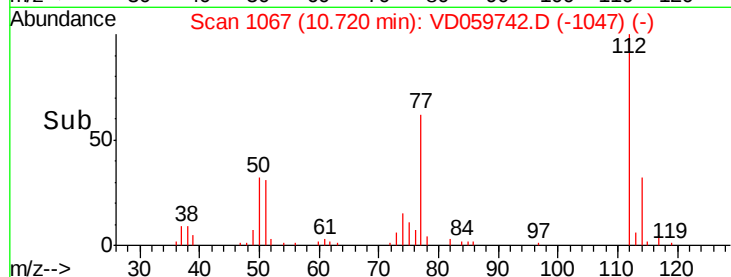
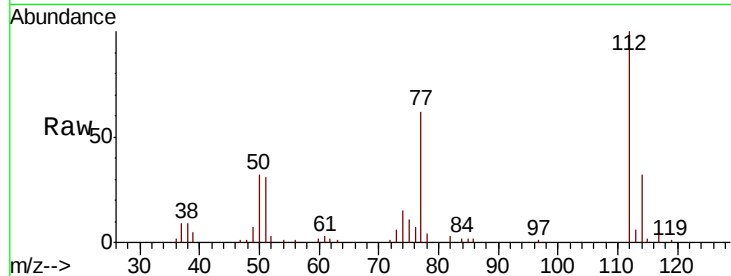




#65
Chlorobenzene
Concen: 20.75 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

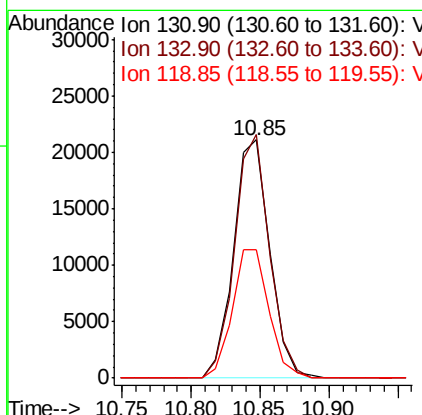
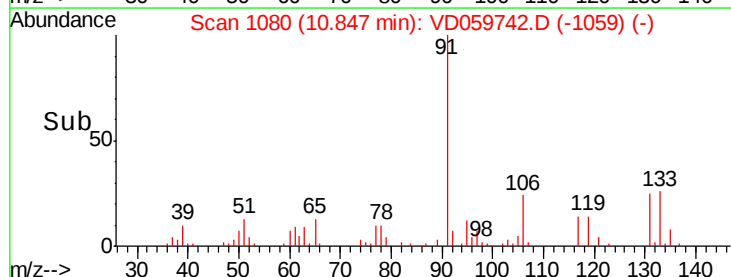
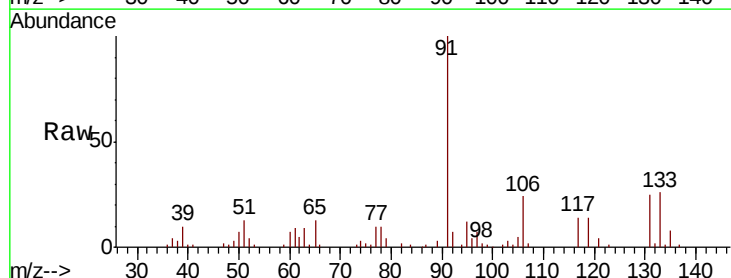
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

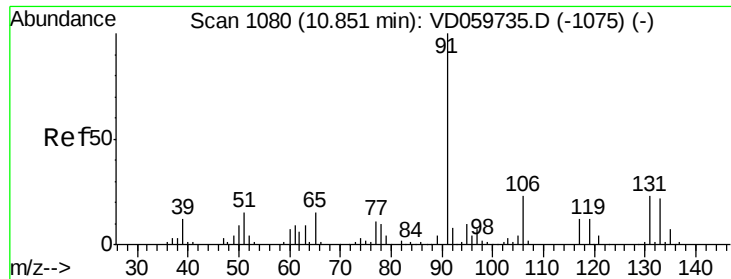
Tot Ion:112 Resp: 79061
Ion Ratio Lower Upper
112 100
114 31.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.95 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion:131 Resp: 38501
Ion Ratio Lower Upper
131 100
133 102.4 48.1 144.3
119 54.1 26.2 78.5

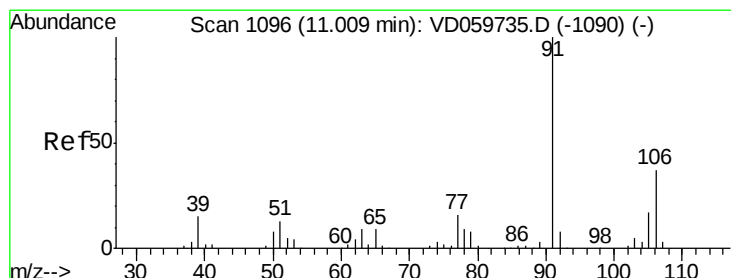
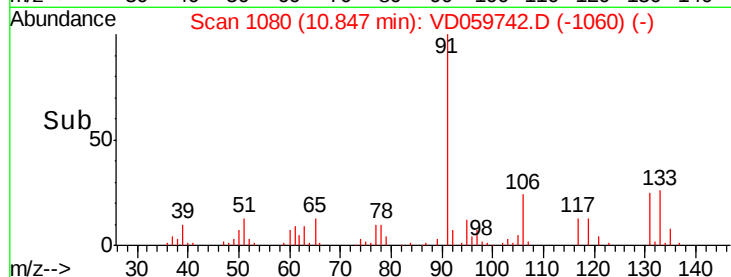
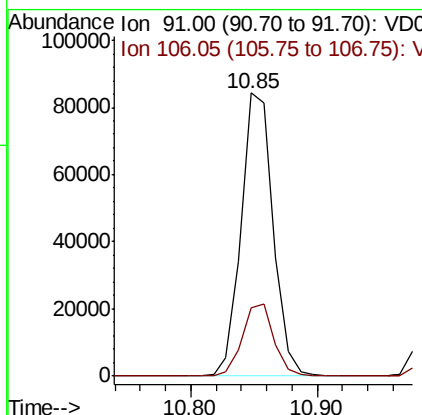
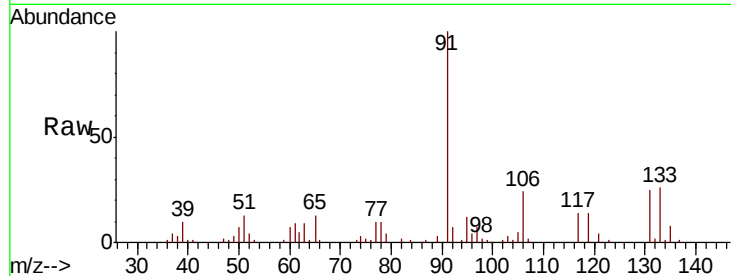




#67
Ethyl Benzene
Concen: 20.72 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

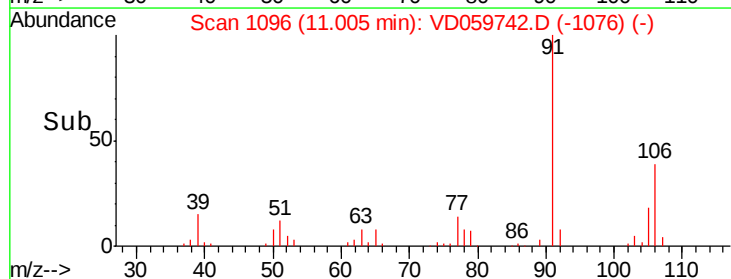
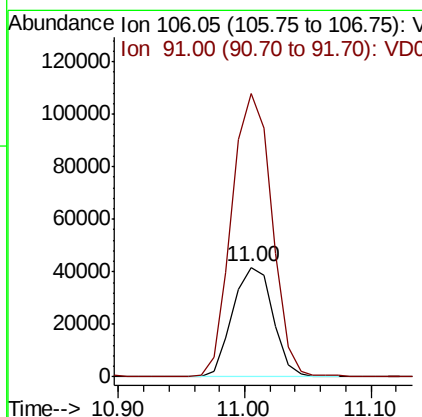
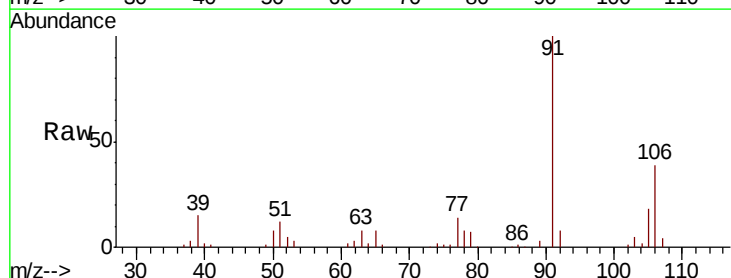
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

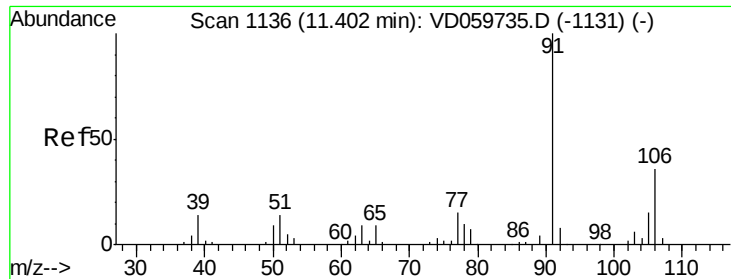
Tot Ion: 91 Resp: 147943
Ion Ratio Lower Upper
91 100
106 24.2 18.8 28.2



#68
m/p-Xylenes
Concen: 40.27 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion: 106 Resp: 92187
Ion Ratio Lower Upper
106 100
91 258.2 213.8 320.8

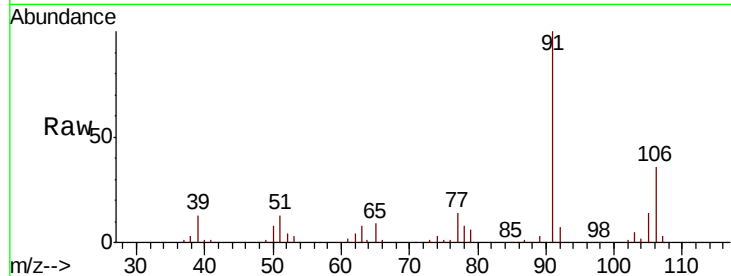




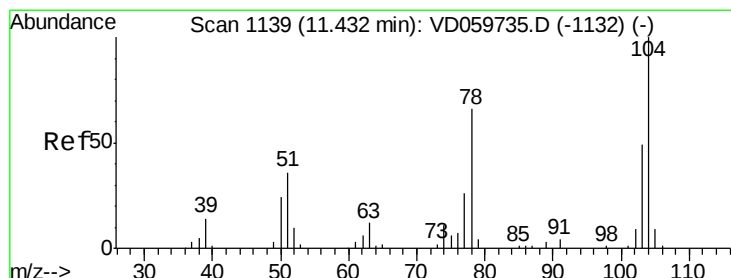
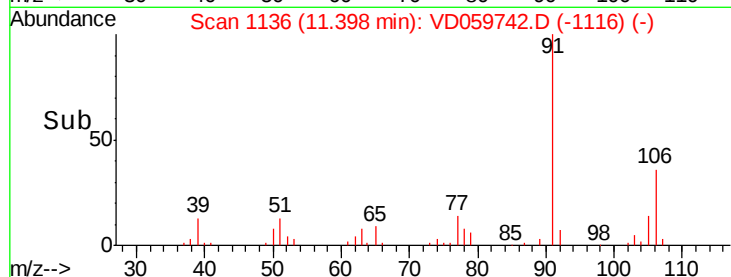
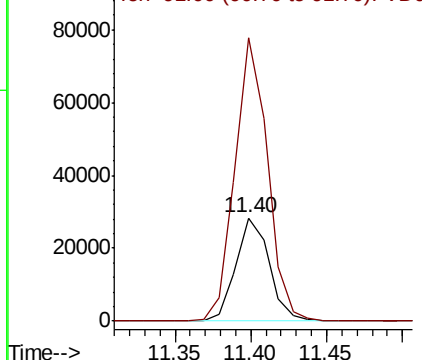
#69
o-Xylene
Concen: 19.32 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion:106 Resp: 43004
Ion Ratio Lower Upper
106 100
91 275.0 139.8 419.4

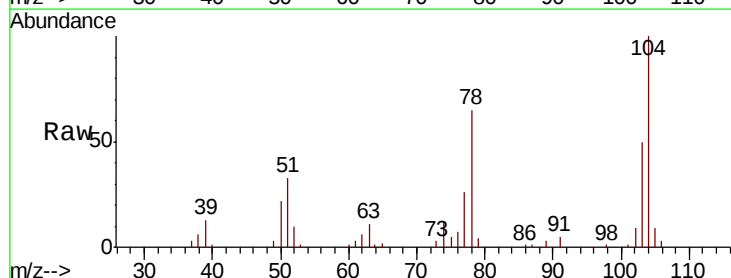


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

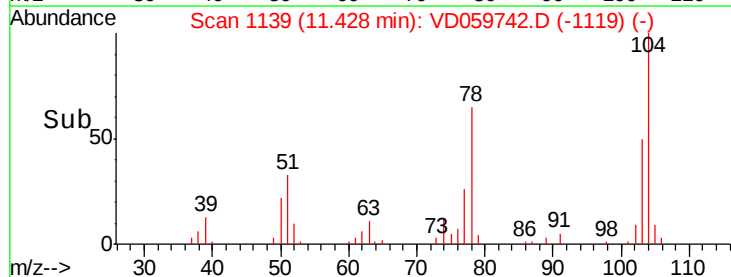
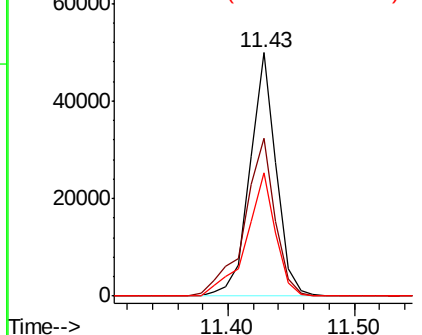


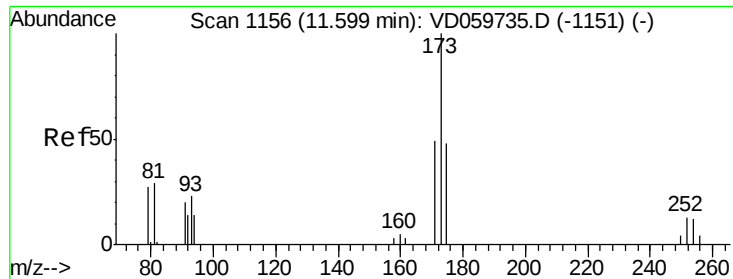
#70
Styrene
Concen: 19.78 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion:104 Resp: 72095
Ion Ratio Lower Upper
104 100
78 64.6 52.8 79.2
103 50.4 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

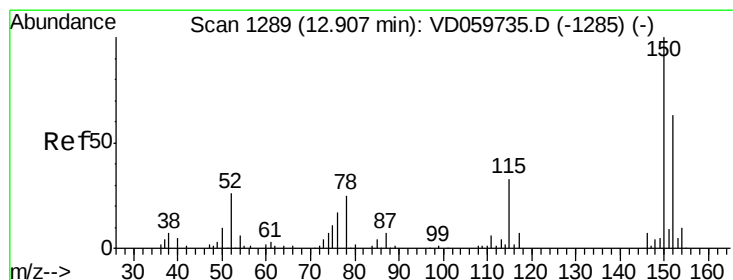
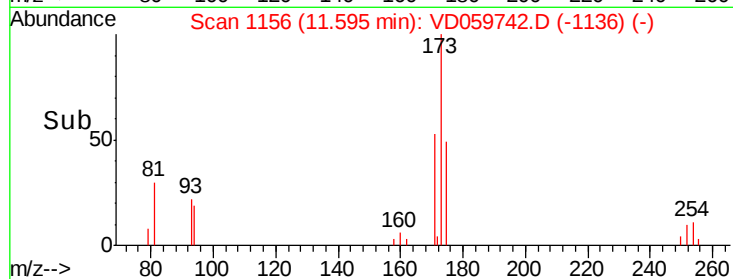
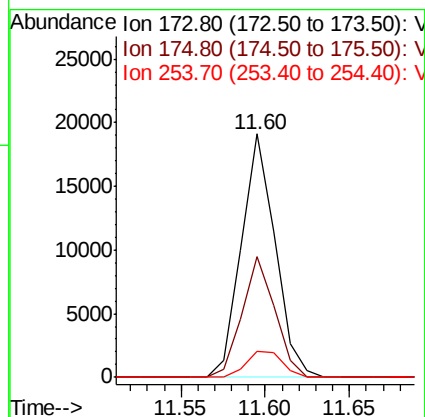
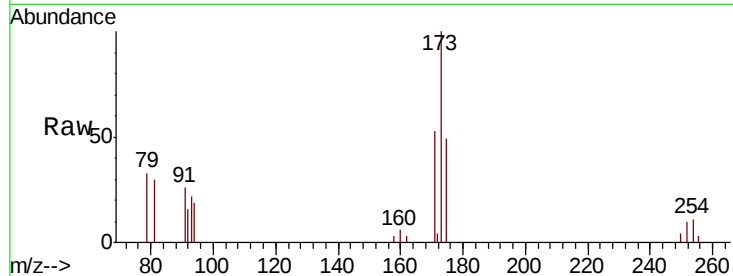




#71
Bromoform
Concen: 18.20 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

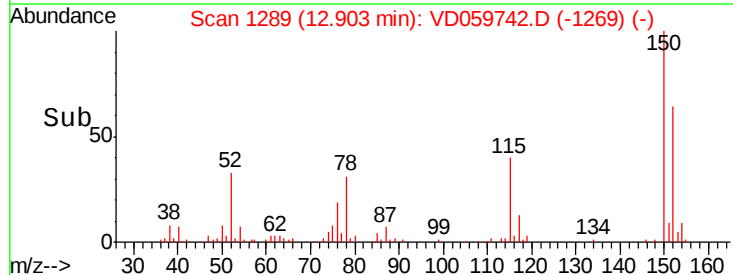
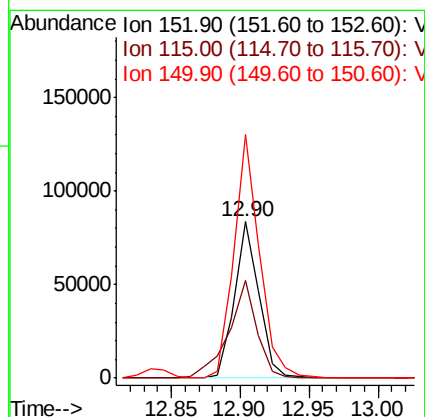
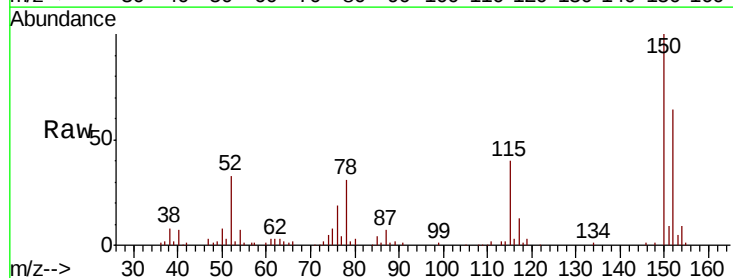
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

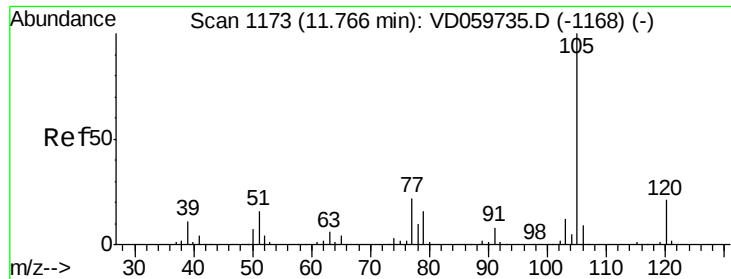
Tot Ion:173 Resp: 26569
Ion Ratio Lower Upper
173 100
175 49.4 24.1 72.2
254 10.5 9.3 13.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion:152 Resp: 103461
Ion Ratio Lower Upper
152 100
115 62.8 29.8 89.3
150 155.7 0.0 320.4





#73

Isopropylbenzene

Concen: 20.41 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

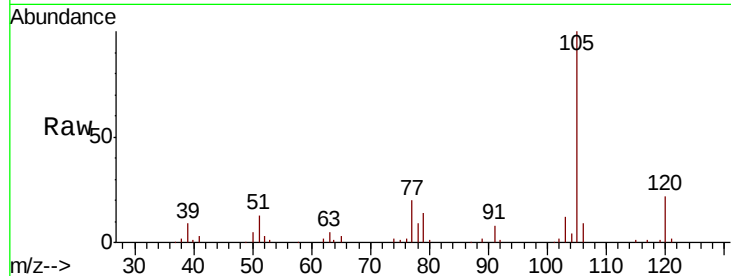
VD0813SBS01

Tot Ion:105 Resp: 143455

Ion Ratio Lower Upper

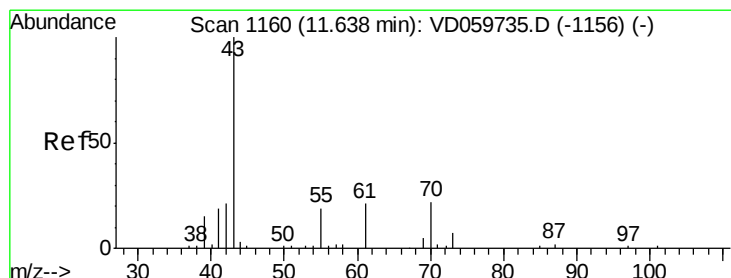
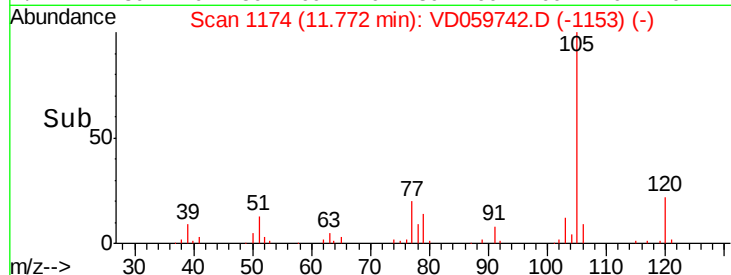
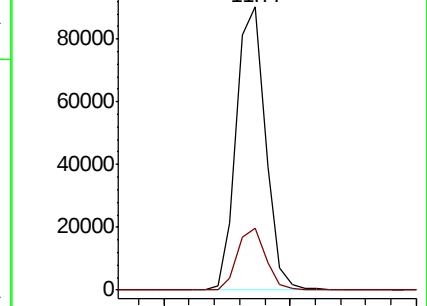
105 100

120 21.9 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: 20.24 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Tgt Ion: 43 Resp: 40791

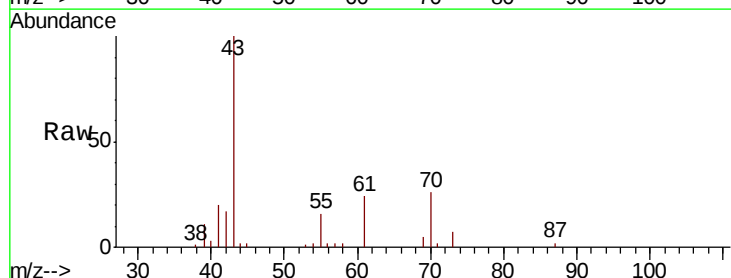
Ion Ratio Lower Upper

43 100

70 26.4 18.0 27.0

55 16.1 14.8 22.2

61 23.8 17.1 25.7

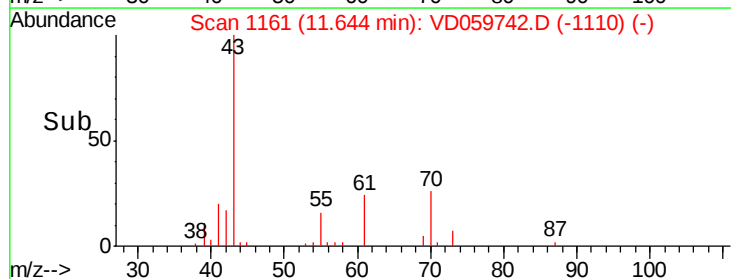
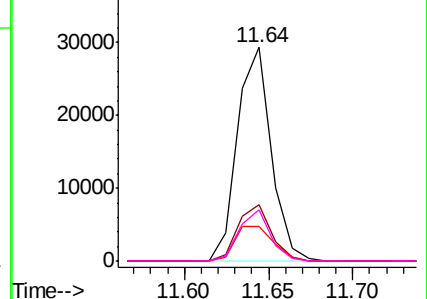


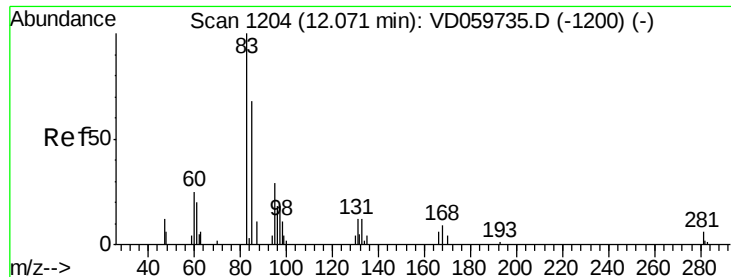
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.56 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

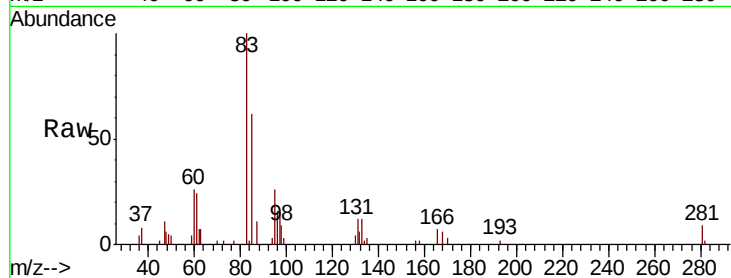
Tot Ion: 83 Resp: 26370

Ion Ratio Lower Upper

83 100

131 11.7 6.3 19.1

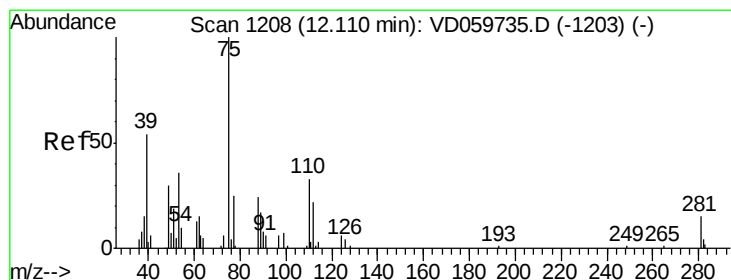
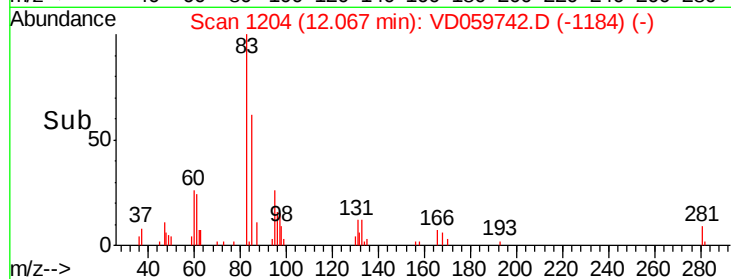
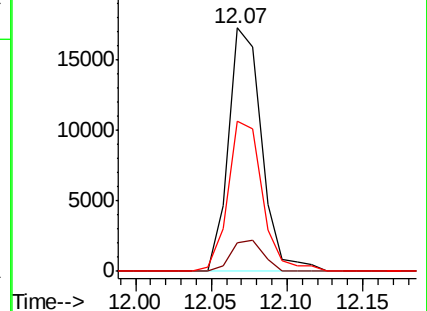
85 61.6 34.2 102.5



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: 20.76 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059742.D

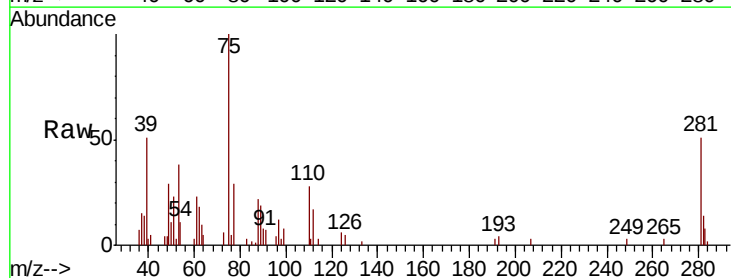
Acq: 13 Aug 2018 19:16

Tgt Ion: 75 Resp: 31770

Ion Ratio Lower Upper

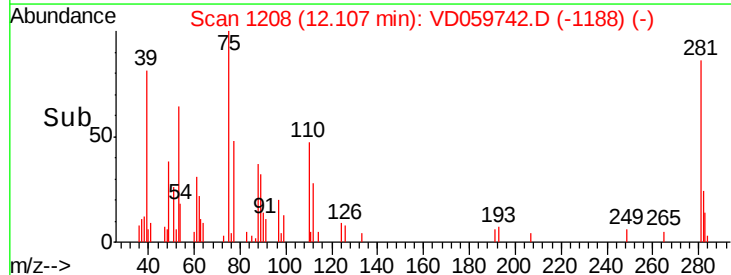
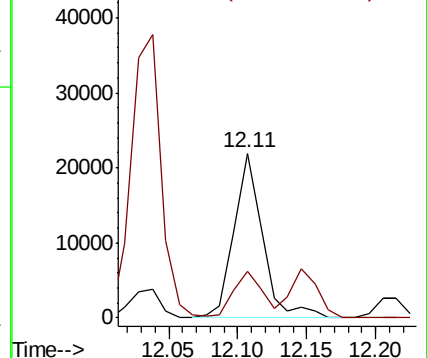
75 100

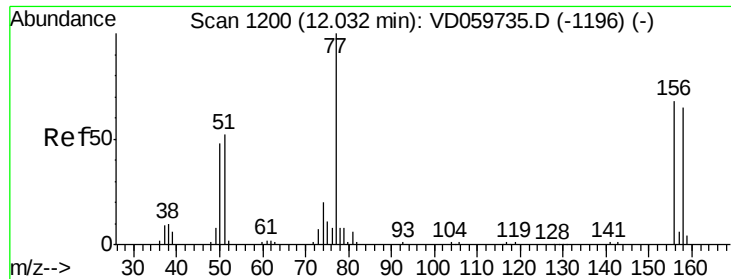
77 28.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.14 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

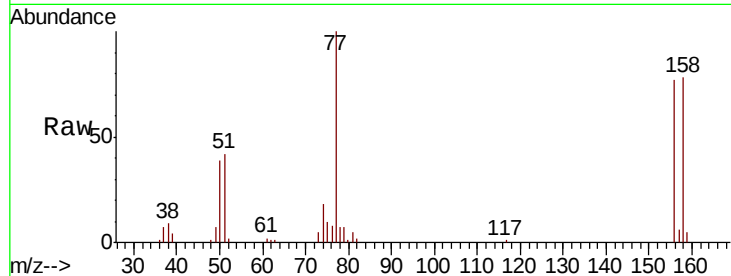
Tot Ion:156 Resp: 41342

Ion Ratio Lower Upper

156 100

77 129.9 73.3 219.8

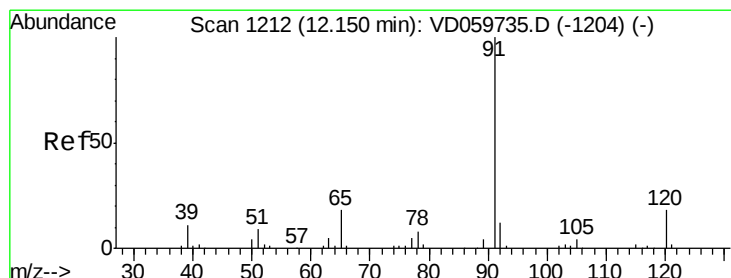
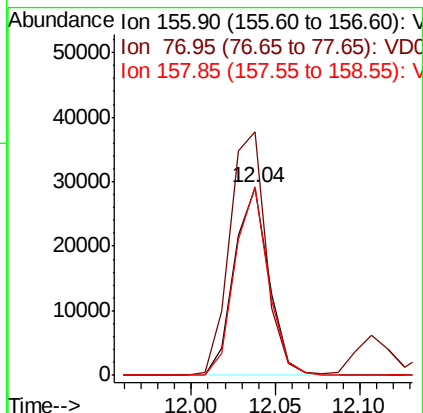
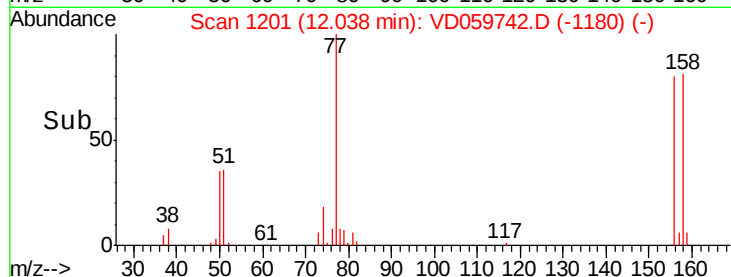
158 100.9 47.5 142.5



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: 20.80 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059742.D

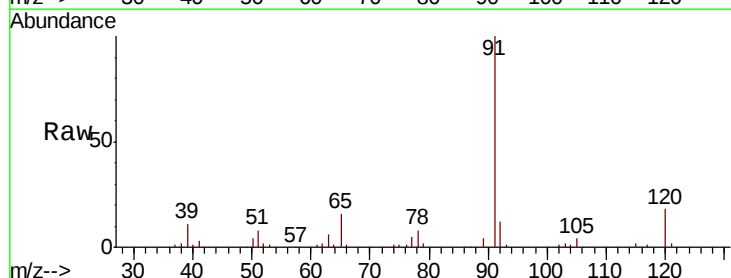
Acq: 13 Aug 2018 19:16

Tgt Ion: 91 Resp: 177641

Ion Ratio Lower Upper

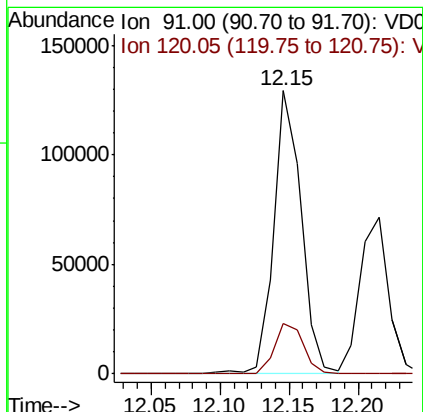
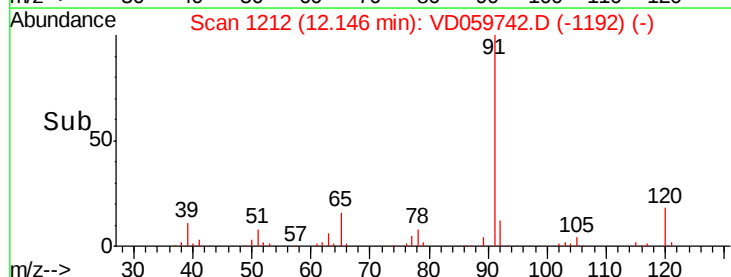
91 100

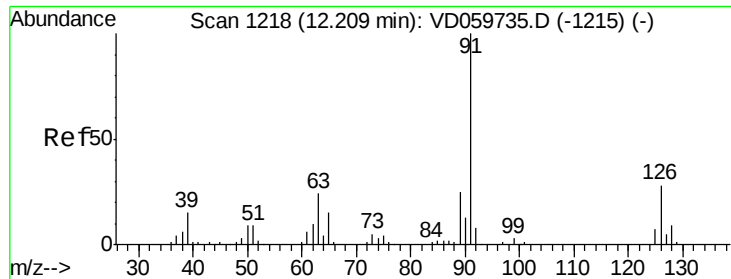
120 18.0 8.9 26.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

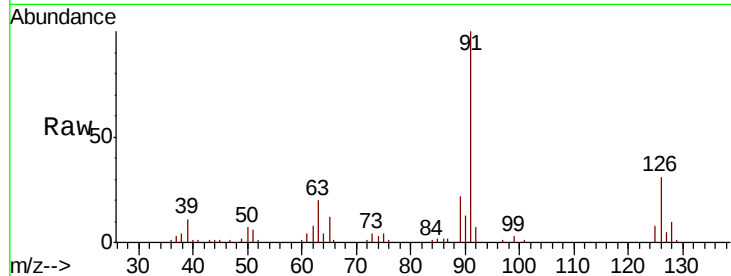




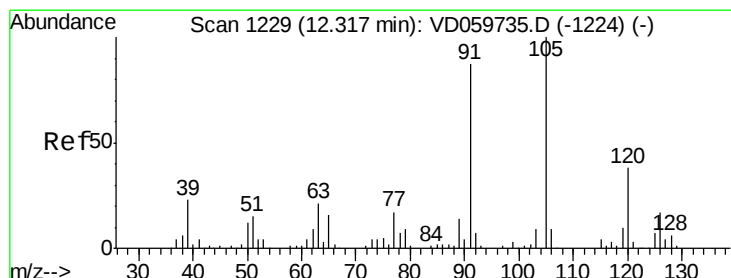
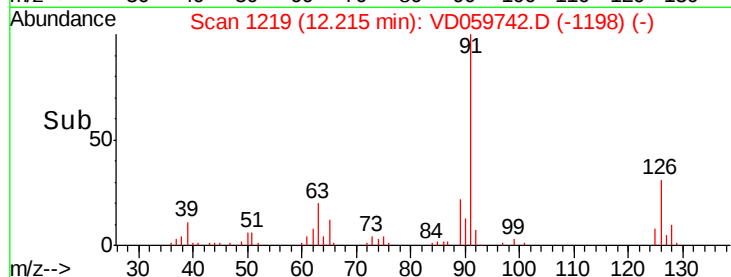
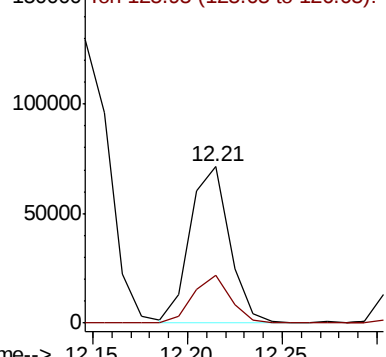
#79
 2-Chlorotoluene
 Concen: 19.10 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion: 91 Resp: 103286
 Ion Ratio Lower Upper
 91 100
 126 30.8 13.3 39.9

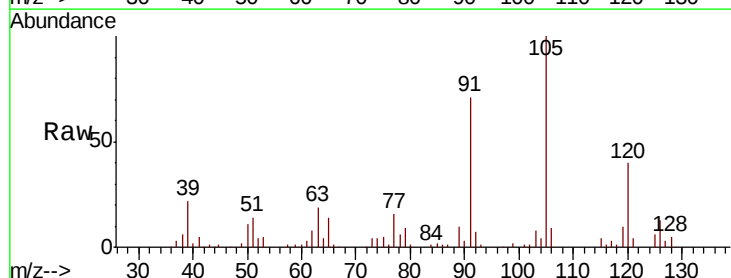


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

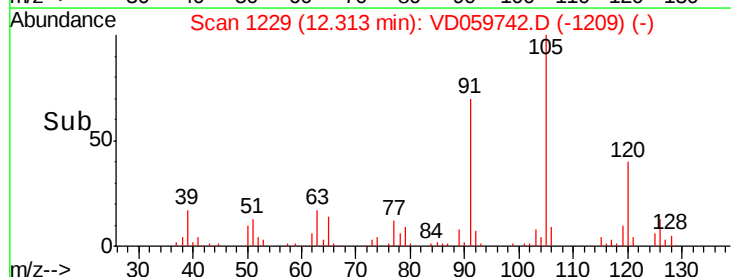
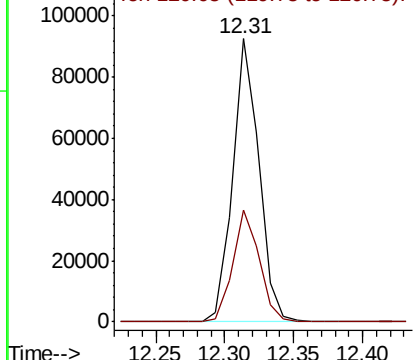


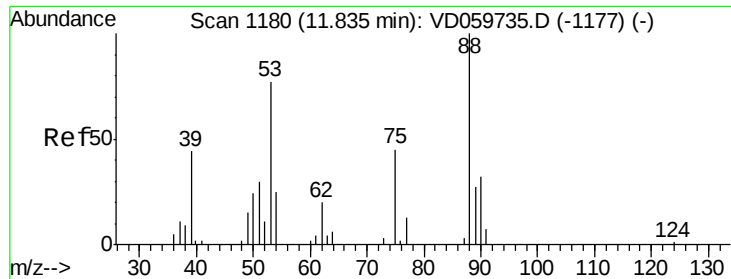
#80
 1,3,5-Trimethylbenzene
 Concen: 20.13 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion:105 Resp: 122599
 Ion Ratio Lower Upper
 105 100
 120 39.7 19.2 57.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.11 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

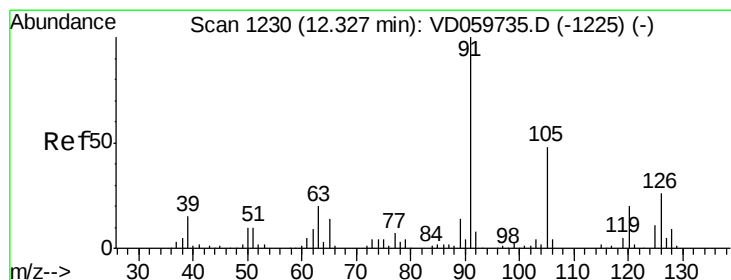
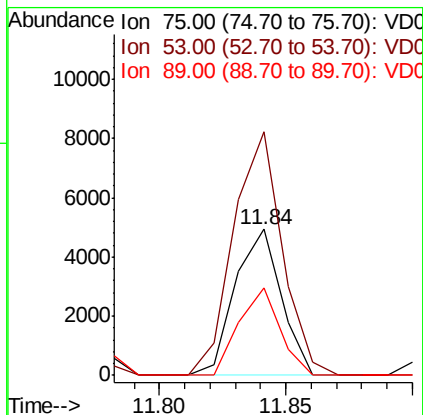
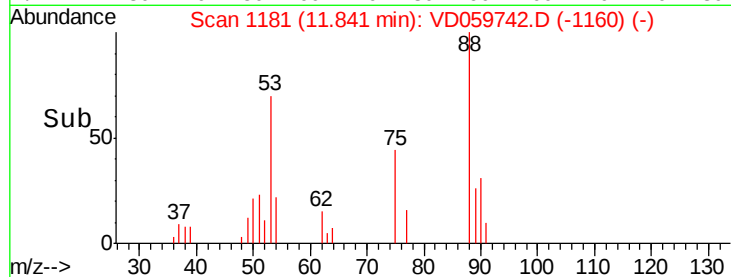
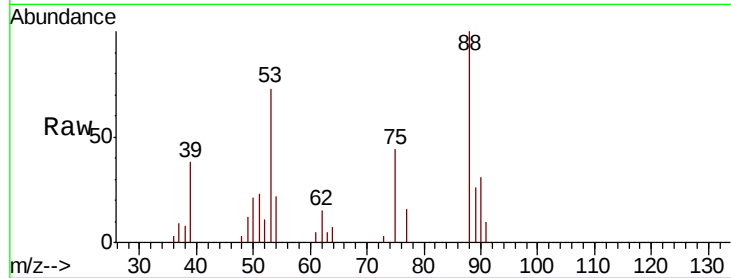
Tot Ion: 75 Resp: 6243

Ion Ratio Lower Upper

75 100

53 166.9 137.5 206.3

89 60.2 48.3 72.5



#82

4-Chlorotoluene

Concen: 20.05 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059742.D

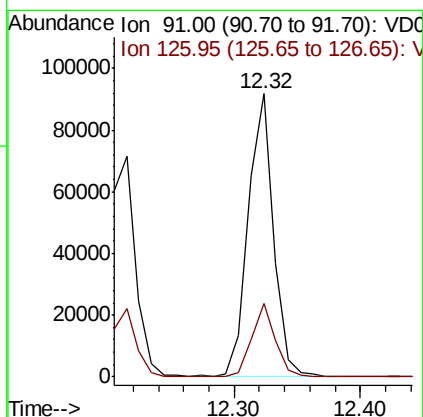
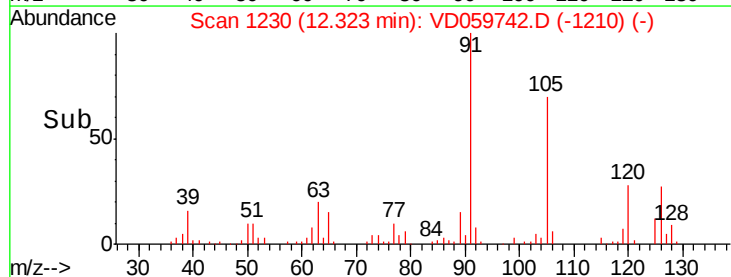
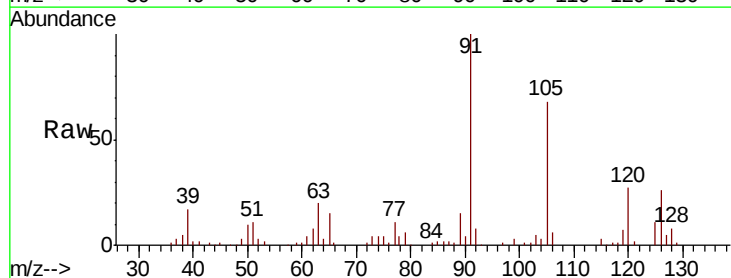
Acq: 13 Aug 2018 19:16

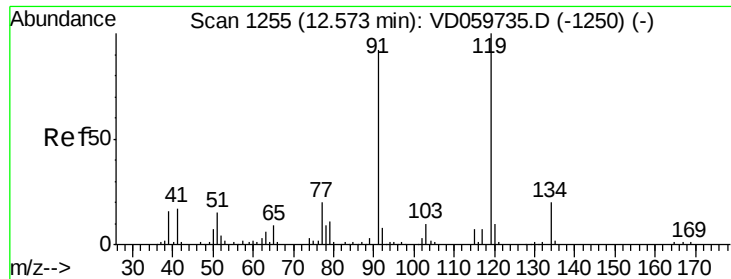
Tgt Ion: 91 Resp: 127801

Ion Ratio Lower Upper

91 100

126 25.8 12.8 38.3

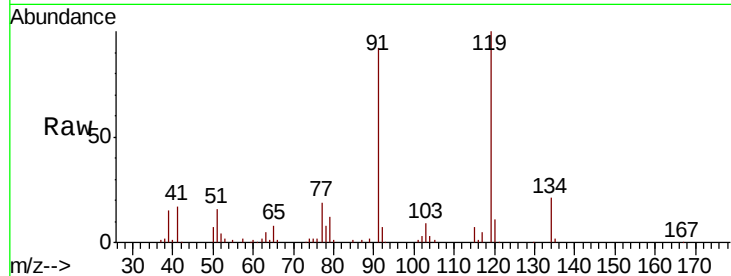




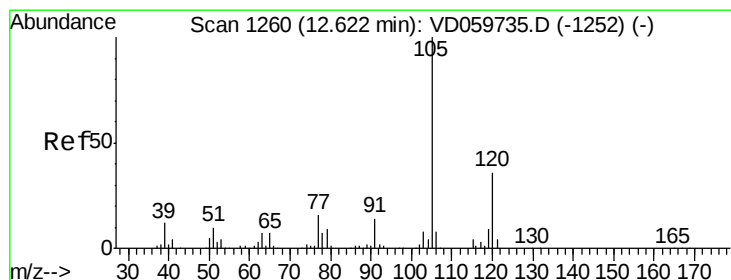
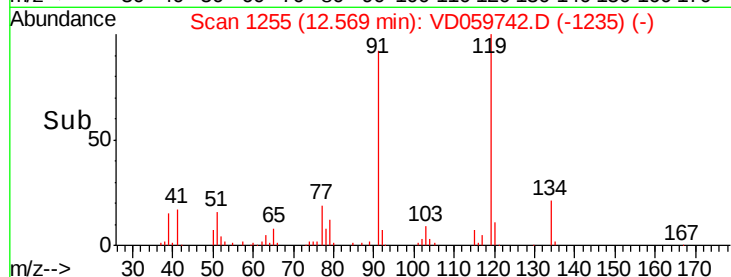
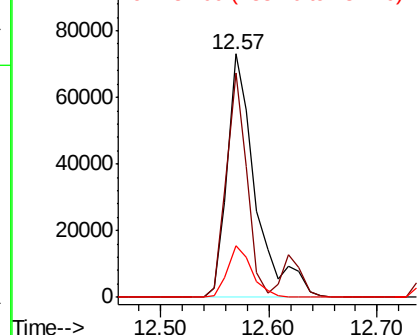
#83
 tert-Butylbenzene
 Concen: 20.11 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion:119 Resp: 133200
 Ion Ratio Lower Upper
 119 100
 91 92.1 46.1 138.2
 134 21.3 9.9 29.7

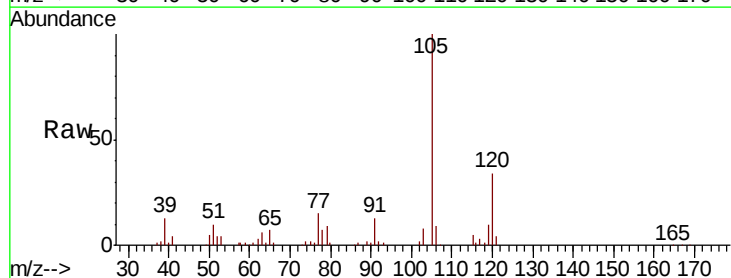


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

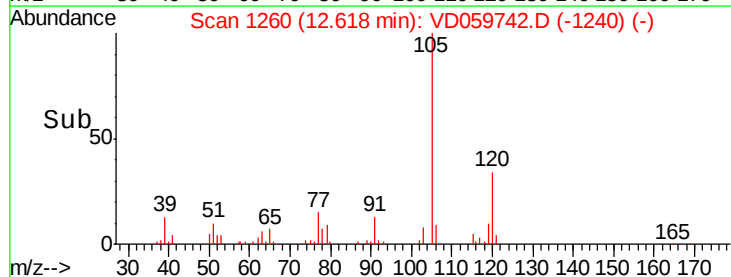
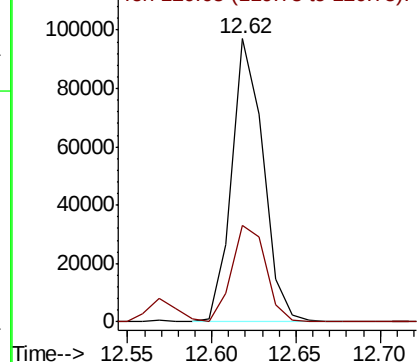


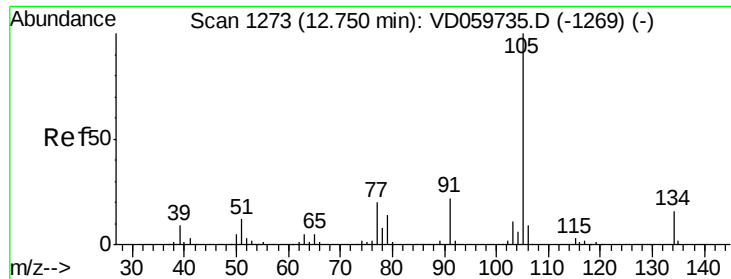
#84
 1,2,4-Trimethylbenzene
 Concen: 20.07 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion:105 Resp: 126096
 Ion Ratio Lower Upper
 105 100
 120 34.1 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: 21.68 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

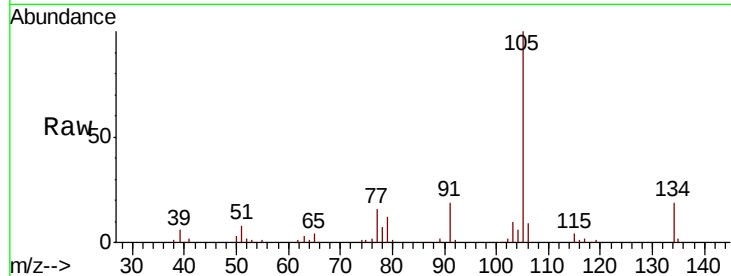
VD0813SBS01

Tot Ion:105 Resp: 152627

Ion Ratio Lower Upper

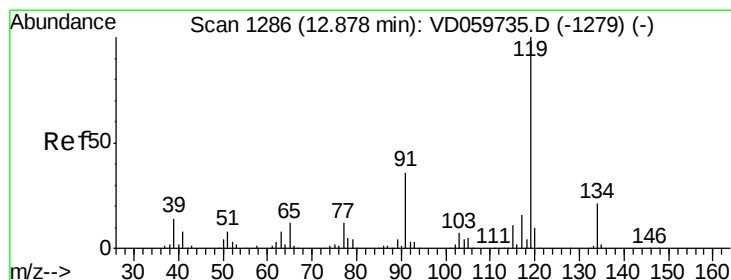
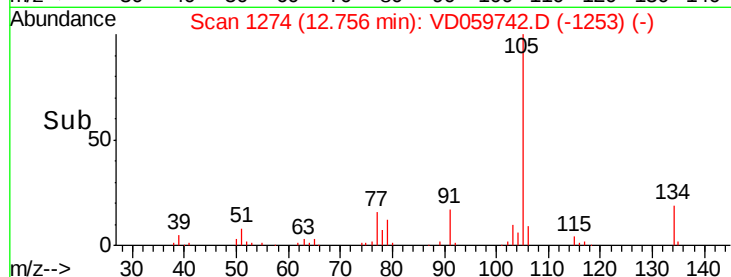
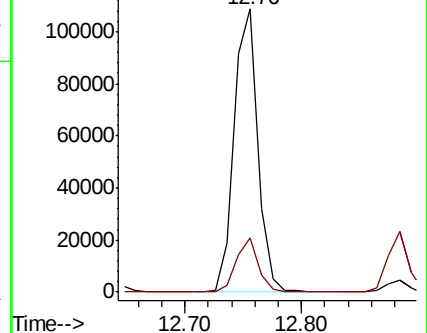
105 100

134 19.0 7.8 23.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.09 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

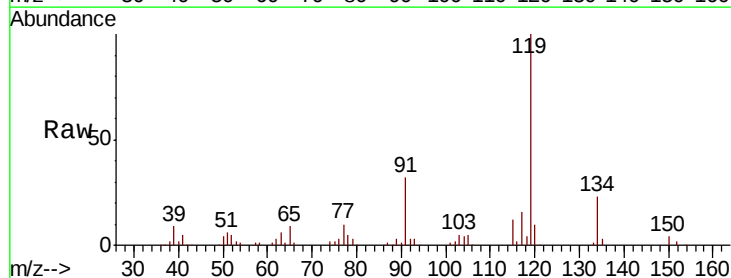
Tgt Ion:119 Resp: 127456

Ion Ratio Lower Upper

119 100

134 23.2 10.5 31.6

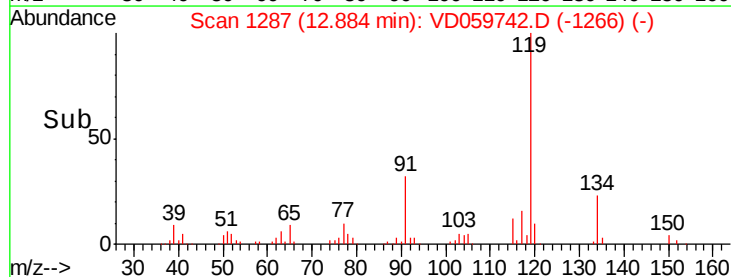
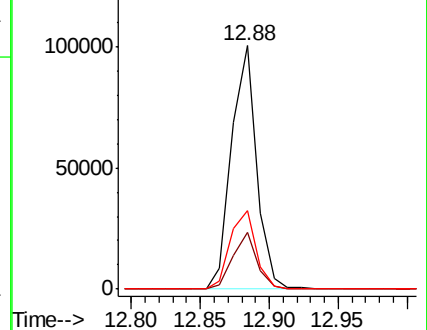
91 32.3 17.9 53.7

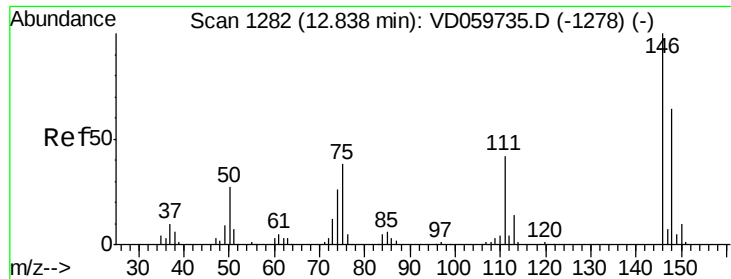


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

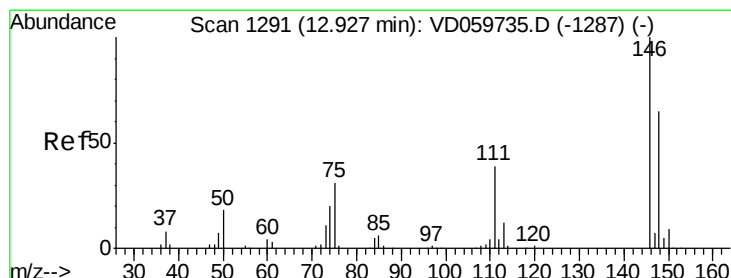
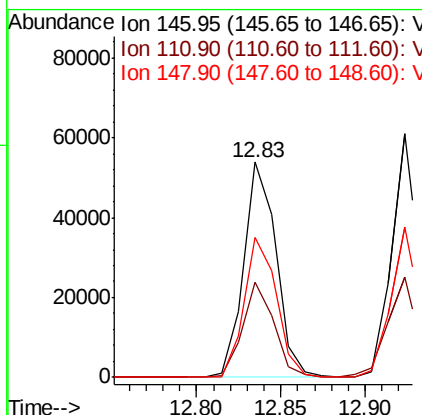
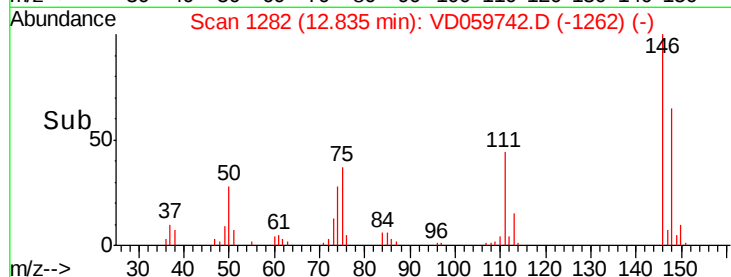
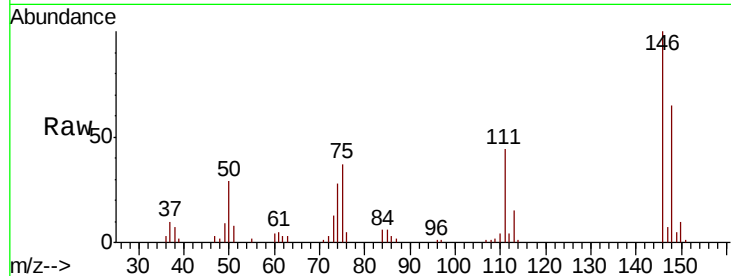




#87
 1,3-Dichlorobenzene
 Concen: 20.71 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

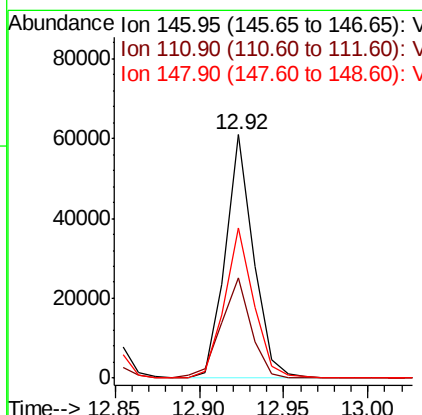
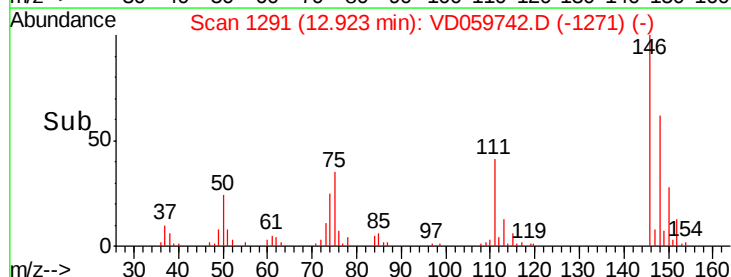
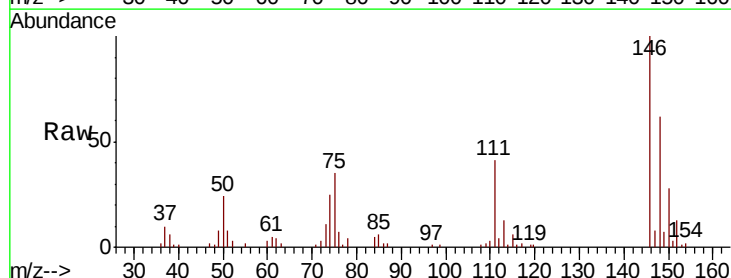
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

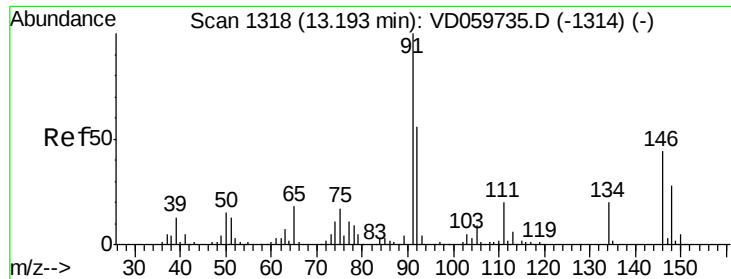
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.1	63.3
148	65.3	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.42 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.7	59.0
148	61.9	32.4	97.2

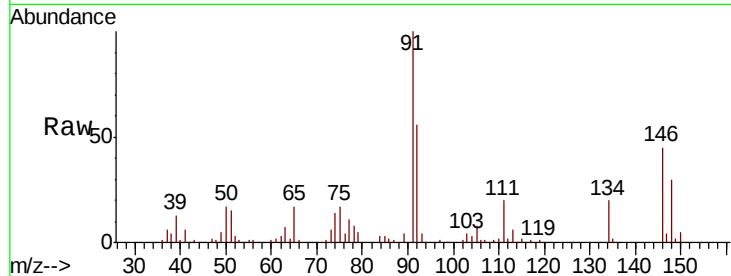




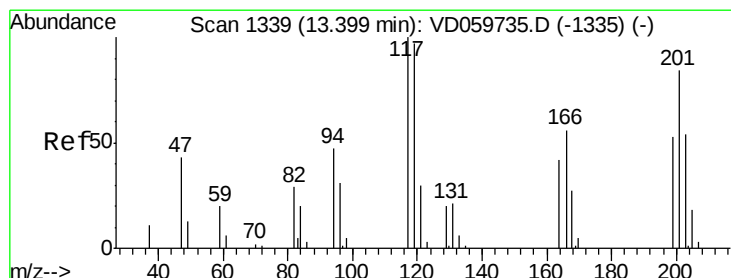
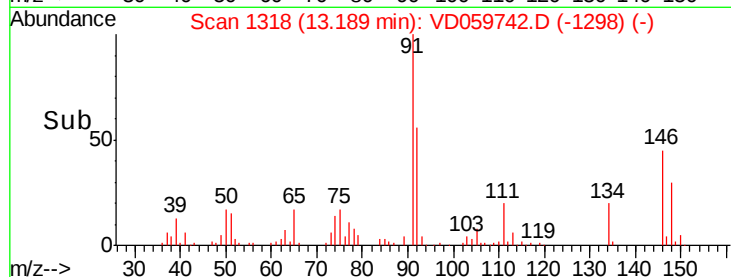
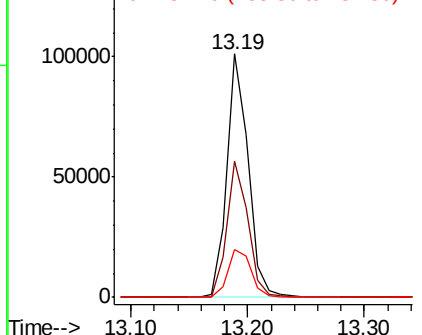
#89
n-Butylbenzene
Concen: 20.48 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion: 91 Resp: 128479
Ion Ratio Lower Upper
91 100
92 55.8 28.1 84.4
134 19.7 10.3 30.8

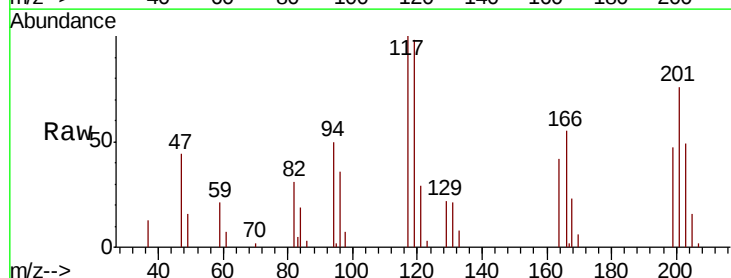


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

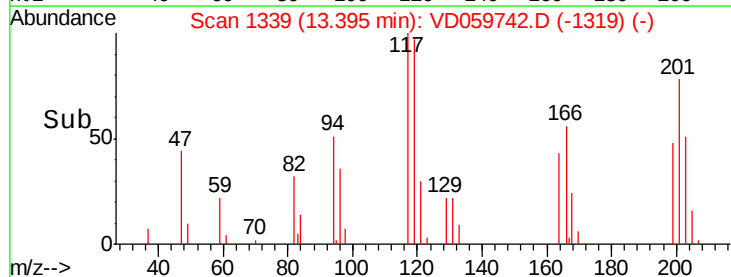
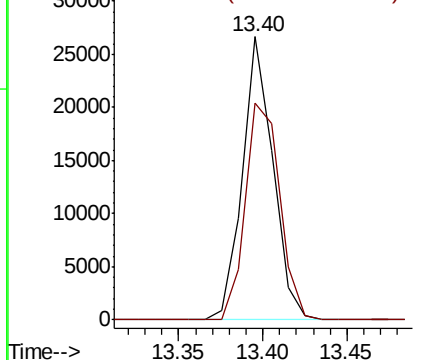


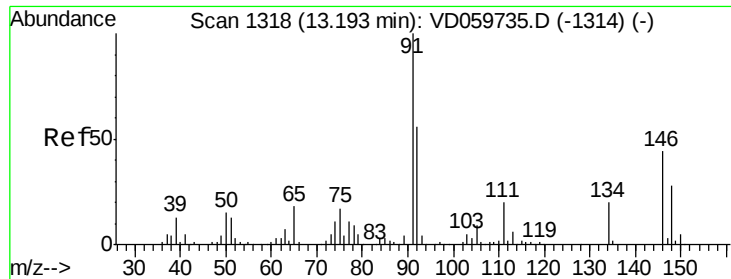
#90
Hexachloroethane
Concen: 20.21 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059742.D
Acq: 13 Aug 2018 19:16

Tgt Ion: 117 Resp: 33263
Ion Ratio Lower Upper
117 100
201 76.4 41.9 125.7



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

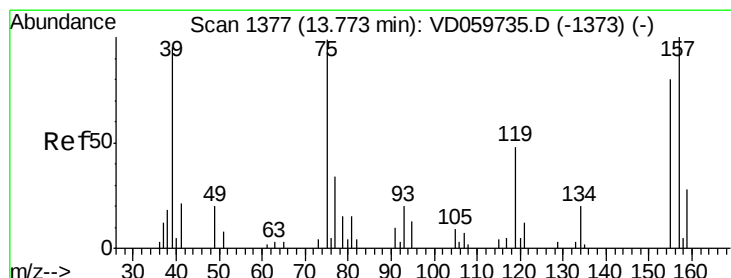
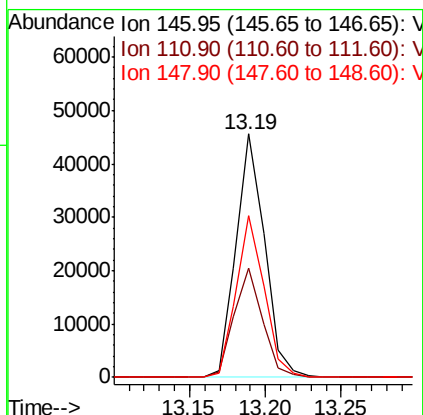
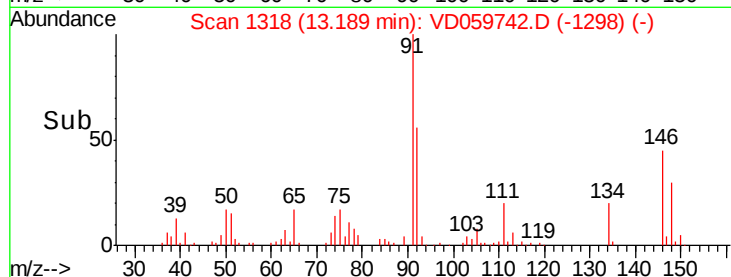
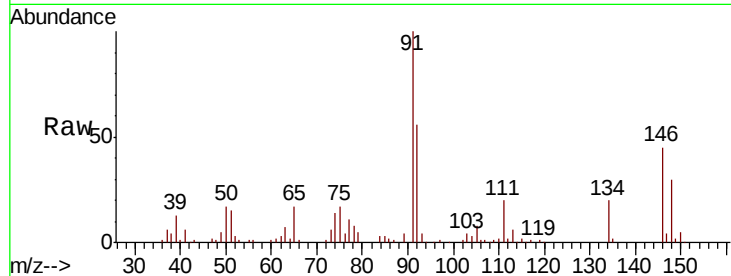




#91
 1,2-Dichlorobenzene
 Concen: 20.23 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

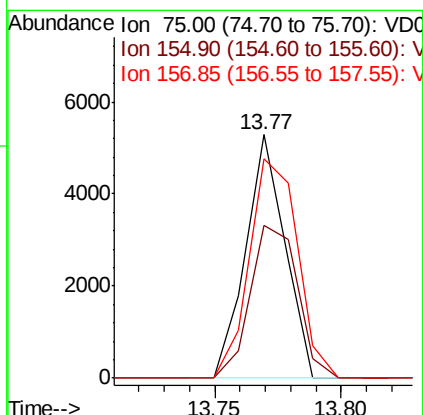
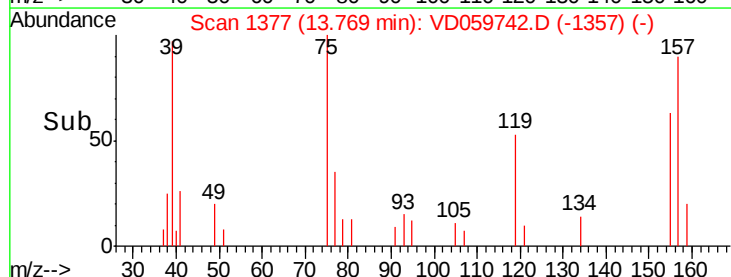
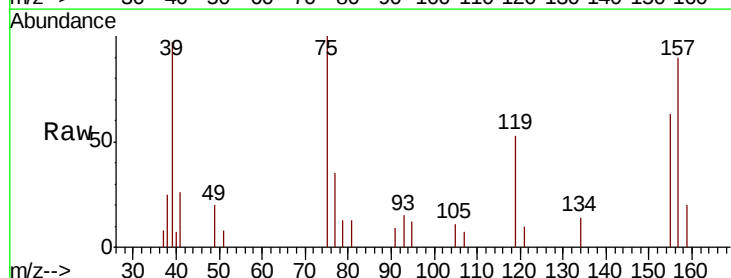
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

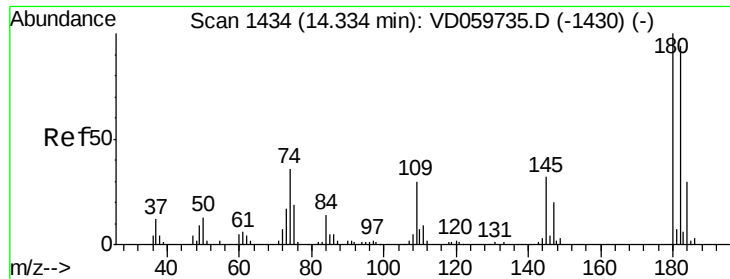
Tot Ion:146 Resp: 59734
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.9 68.5
 148 66.2 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.84 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion: 75 Resp: 5700
 Ion Ratio Lower Upper
 75 100
 155 62.8 40.4 121.1
 157 89.9 50.5 151.6

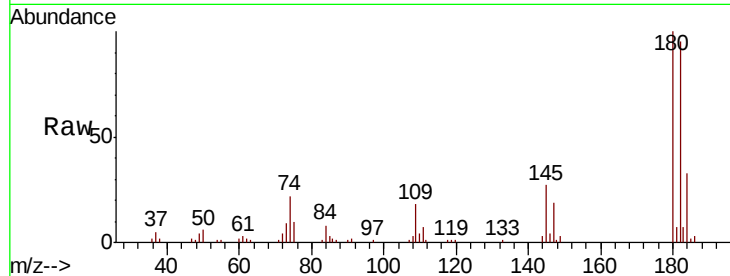




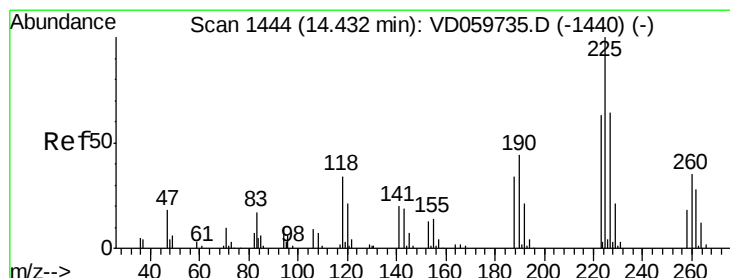
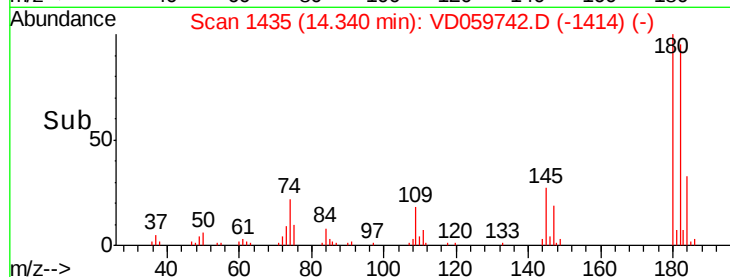
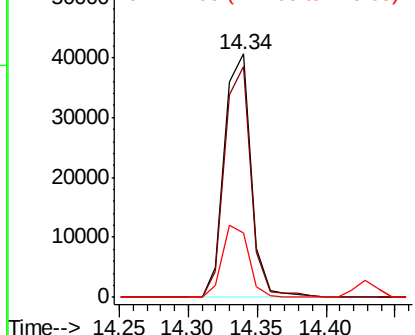
#93
 1,2,4-Trichlorobenzene
 Concen: 19.42 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion:180 Resp: 54453
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.1 141.4
 145 26.7 15.8 47.3

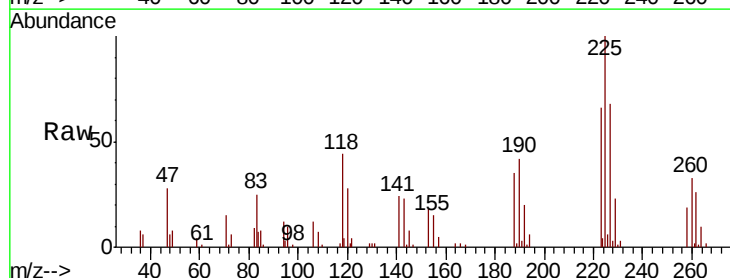


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

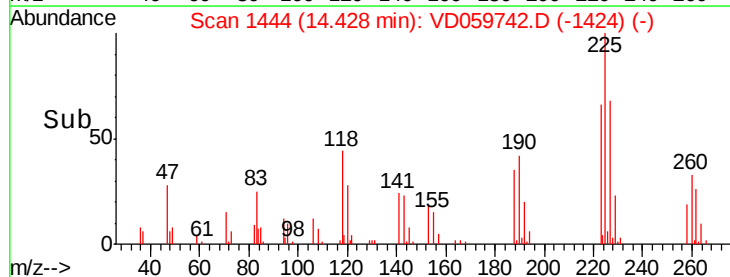
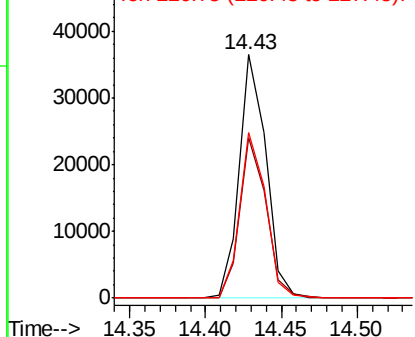


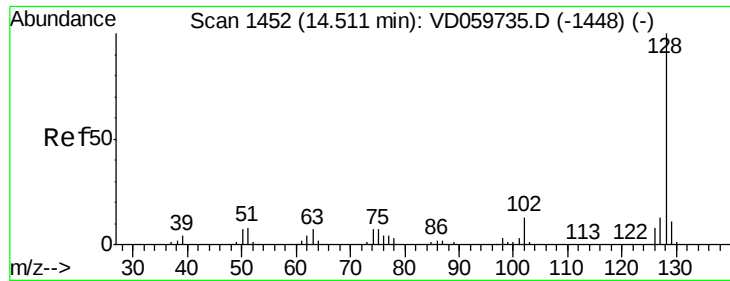
#94
 Hexachlorobutadiene
 Concen: 19.03 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059742.D
 Acq: 13 Aug 2018 19:16

Tgt Ion:225 Resp: 44706
 Ion Ratio Lower Upper
 225 100
 223 66.1 31.5 94.5
 227 68.1 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: 19.82 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

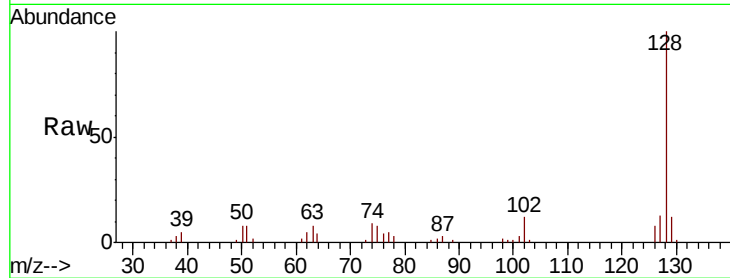
Tot Ion:128 Resp: 74814

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

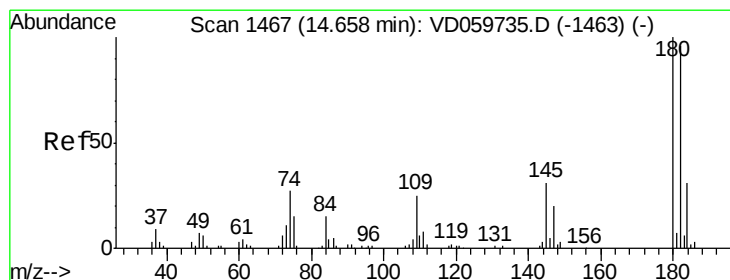
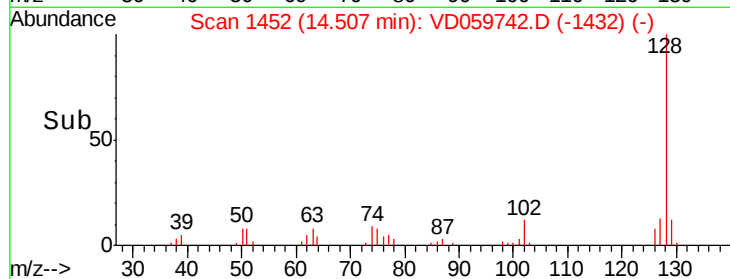
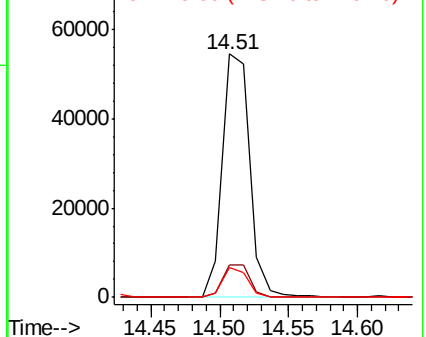
129 12.5 8.9 13.3



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: 19.14 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD059742.D

Acq: 13 Aug 2018 19:16

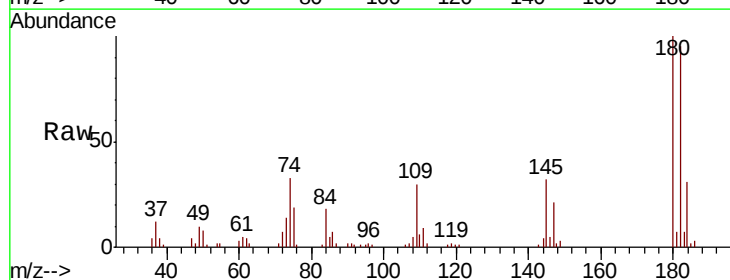
Tgt Ion:180 Resp: 45867

Ion Ratio Lower Upper

180 100

182 95.0 48.1 144.4

145 32.1 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

