

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058156.D
 Acq On : 15 Jun 2018 17:06
 Operator : VA/AP
 Sample : VD0615SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 23:17:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	834535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1099246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	884365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	487375	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	394418	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	5.55	113	410753	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	8.71	98	958596	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
62) 4-Bromofluorobenzene	11.93	95	419228	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	237274	21.184	ug/l	96
3) Chloromethane	1.47	50	114970	20.842	ug/l	94
4) Vinyl Chloride	1.55	62	116206	21.763	ug/l	100
5) Bromomethane	1.79	94	36360	17.374	ug/l	90
6) Chloroethane	1.88	64	38013	18.044	ug/l #	79
7) Trichlorofluoromethane	2.07	101	141849	19.434	ug/l	98
8) Diethyl Ether	2.34	74	31589	23.297	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.56	101	92711	21.295	ug/l	93
10) Methyl Iodide	2.68	142	108769	19.362	ug/l	90
11) Tert butyl alcohol	3.27	59	27379	122.498	ug/l #	92
12) 1,1-Dichloroethene	2.54	96	73530	21.969	ug/l	96
13) Acrolein	2.47	56	28494	89.019	ug/l	86
14) Allyl chloride	2.92	41	165506	21.436	ug/l	98
15) Acrylonitrile	3.35	53	90842	69.476	ug/l	99
16) Acetone	2.62	43	144133	119.907	ug/l	96
17) Carbon Disulfide	2.75	76	248157	20.466	ug/l	99
18) Methyl Acetate	2.93	43	55274	23.771	ug/l	94
19) Methyl tert-butyl Ether	3.42	73	240770	16.348	ug/l	99
20) Methylene Chloride	3.06	84	88528	26.100	ug/l	93
21) trans-1,2-Dichloroethene	3.38	96	87668	11.760	ug/l	86
22) Diisopropyl ether	4.07	45	638651	20.879	ug/l #	95
23) Vinyl Acetate	4.01	43	1788583	113.171	ug/l	99
24) 1,1-Dichloroethane	3.97	63	358803	21.343	ug/l	98
25) 2-Butanone	4.84	43	309161	113.172	ug/l	94
26) 2,2-Dichloropropane	4.79	77	301172	21.748	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	202318	22.882	ug/l	92
28) Bromochloromethane	5.15	49	157373	21.629	ug/l	88
29) Tetrahydrofuran	5.19	42	166062	115.963	ug/l	98
30) Chloroform	5.32	83	373101	22.052	ug/l	97
31) Cyclohexane	5.59	56	273829	18.875	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	299175	21.119	ug/l	96
36) 1,1-Dichloropropene	5.75	75	262234	21.653	ug/l	96
37) Ethyl Acetate	4.93	43	150792	22.819	ug/l #	94
38) Carbon Tetrachloride	5.72	117	257301	21.557	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	262793	21.889	ug/l	90
40) Benzene	6.01	78	614716	21.728	ug/l	99
41) Methacrylonitrile	5.13	41	74702	24.723	ug/l	98
42) 1,2-Dichloroethane	6.13	62	247591	21.645	ug/l	99
43) Isopropyl Acetate	7.62	43	198470	22.929	ug/l #	99
44) Trichloroethene	6.98	130	180574	21.851	ug/l	94
45) 1,2-Dichloropropane	7.35	63	171340	21.790	ug/l	96
46) Dibromomethane	7.46	93	113567	22.483	ug/l	87
47) Bromodichloromethane	7.74	83	261694	22.127	ug/l	95
48) Methyl methacrylate	7.51	41	115885	21.752	ug/l	96
49) 1,4-Dioxane	7.50	88	22343	506.248	ug/l	89
51) 4-Methyl-2-Pentanone	8.60	43	643775	115.956	ug/l	98
52) Toluene	8.80	92	353380	21.764	ug/l	94
53) t-1,3-Dichloropropene	9.19	75	223435	21.928	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	259832	21.644	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	124964	23.780	ug/l	98
56) Ethyl methacrylate	9.31	69	142367	22.086	ug/l	97
57) 1,3-Dichloropropane	9.66	76	208909	22.667	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	374221	114.909	ug/l	100
59) 2-Hexanone	9.78	43	492611	121.076	ug/l	99
60) Dibromochloromethane	9.96	129	167554	22.611	ug/l	99
61) 1,2-Dibromoethane	10.10	107	134256	22.216	ug/l	91
64) Tetrachloroethene	9.51	164	177010	22.389	ug/l	94
65) Chlorobenzene	10.72	112	396060	22.122	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	152295	22.141	ug/l	96
67) Ethyl Benzene	10.86	91	733979	22.692	ug/l	98
68) m/p-Xylenes	11.01	106	486526	46.141	ug/l	95
69) o-Xylene	11.41	106	230700	22.042	ug/l	95
70) Styrene	11.43	104	398279	22.987	ug/l	98
71) Bromoform	11.60	173	111534	21.555	ug/l	98
73) Isopropylbenzene	11.77	105	653825	20.254	ug/l	97
74) N-amyl acetate	11.64	43	250672	20.124	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	149038	21.176	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	155825	21.284	ug/l	99
77) Bromobenzene	12.04	156	196371	20.551	ug/l	98
78) n-propylbenzene	12.15	91	866703	20.633	ug/l	98
79) 2-Chlorotoluene	12.21	91	506720	21.145	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	556195	22.093	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	40089	22.108	ug/l	100
82) 4-Chlorotoluene	12.32	91	583255	23.329	ug/l	99
83) tert-Butylbenzene	12.58	119	604612	21.269	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	528548	19.526	ug/l	99
85) sec-Butylbenzene	12.76	105	686167	20.001	ug/l	100
86) p-Isopropyltoluene	12.88	119	575939	20.829	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	351056	21.719	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	346066	21.974	ug/l	96
89) n-Butylbenzene	13.20	91	598124	21.509	ug/l	99
90) Hexachloroethane	13.40	117	149521	21.187	ug/l	59
91) 1,2-Dichlorobenzene	13.19	146	294368	22.535	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	23740	21.855	ug/l	98

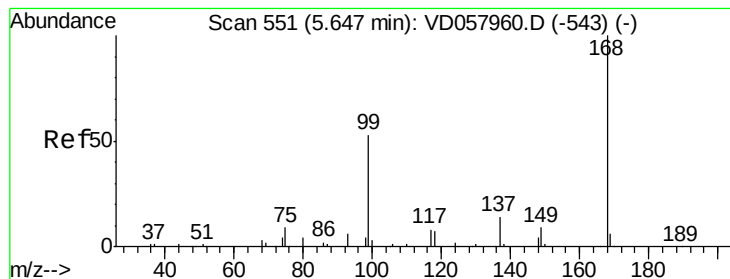
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061518\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	274198	22.468	ug/l	97
94) Hexachlorobutadiene	14.44	225	200973	20.937	ug/l	98
95) Naphthalene	14.52	128	363506	23.102	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	239533	23.031	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

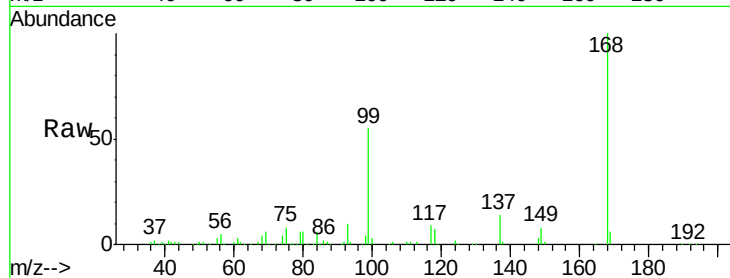
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 834535

Ion Ratio Lower Upper

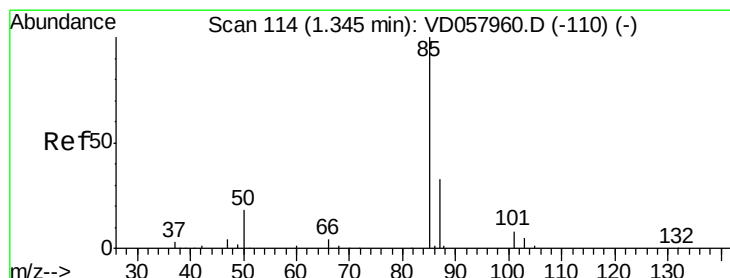
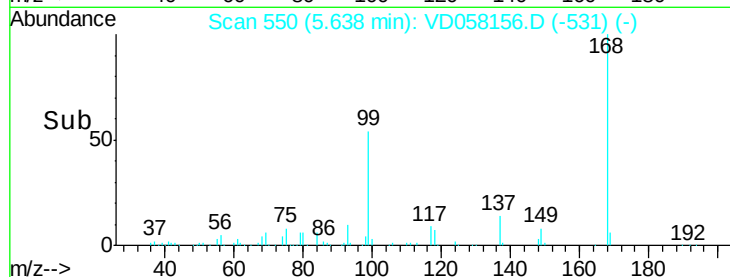
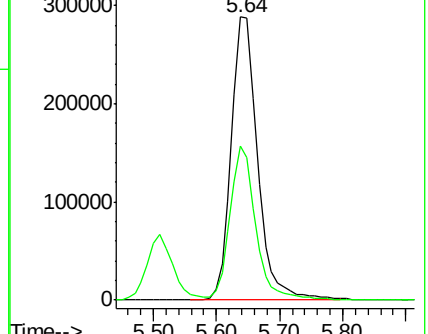
168 100

99 54.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.184 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.01 min

Lab File: VD058156.D

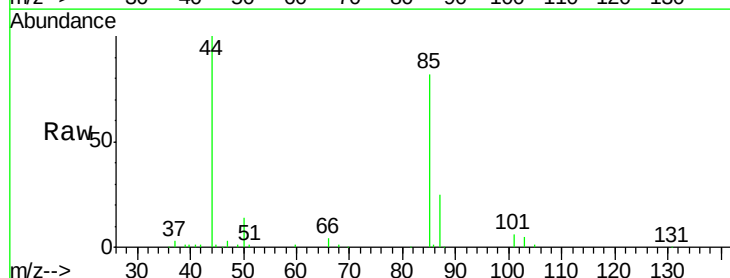
Acq: 15 Jun 2018 17:06

Tgt Ion: 85 Resp: 237274

Ion Ratio Lower Upper

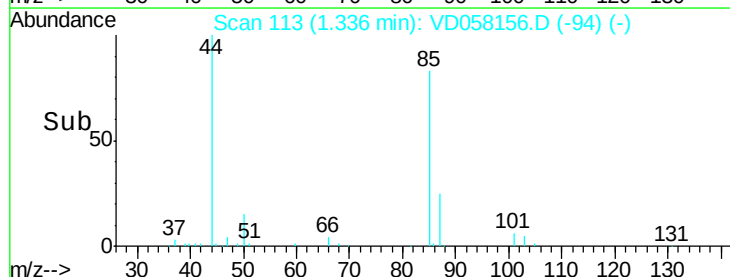
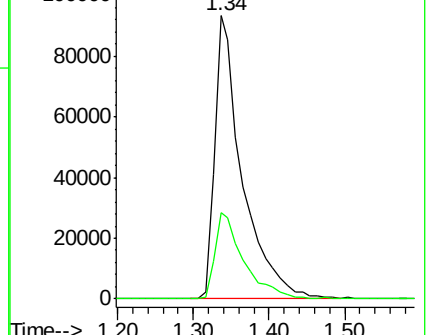
85 100

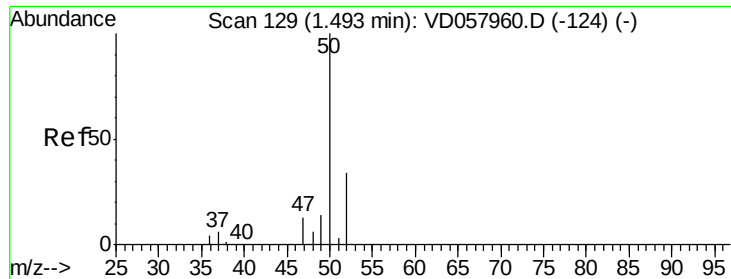
87 30.4 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.842 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.02 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

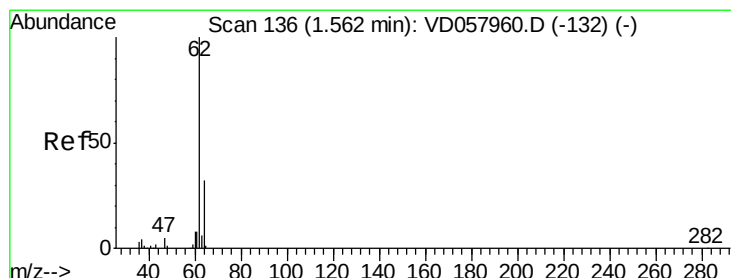
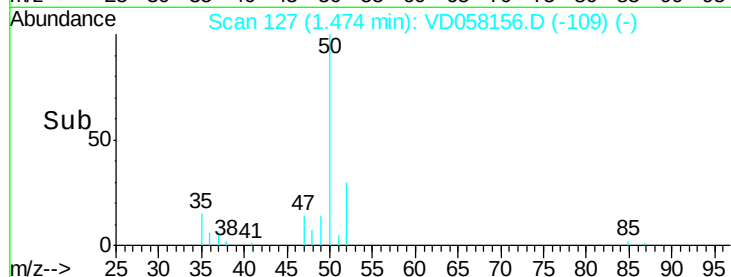
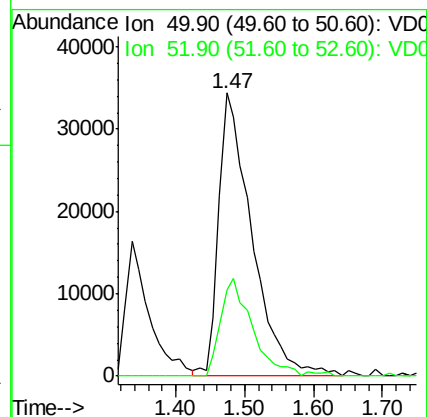
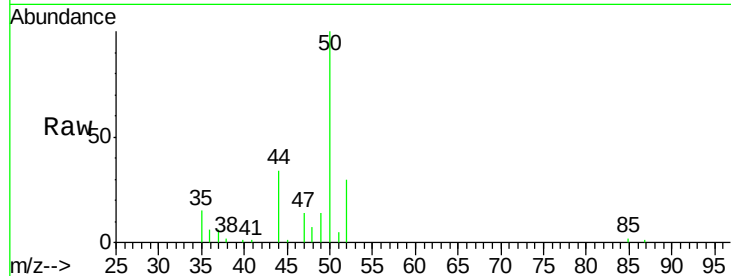
ClientSampleId :

Tot Ion: 50 Resp: 114970

Ion Ratio Lower Upper

50 100

52 30.4 27.2 40.8



#4

Vinyl Chloride

Concen: 21.763 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD058156.D

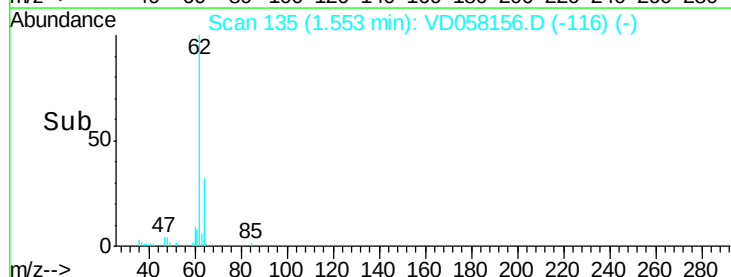
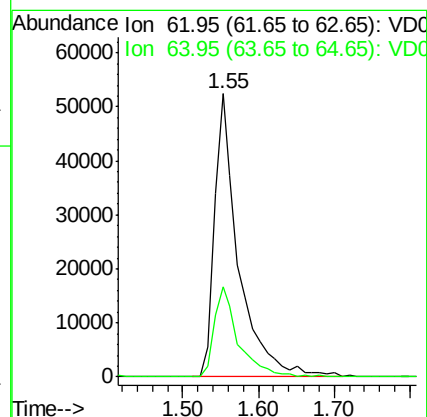
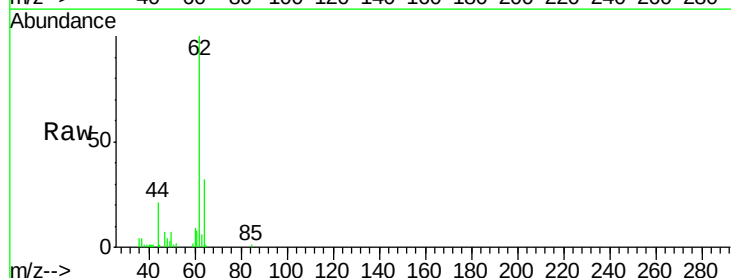
Acq: 15 Jun 2018 17:06

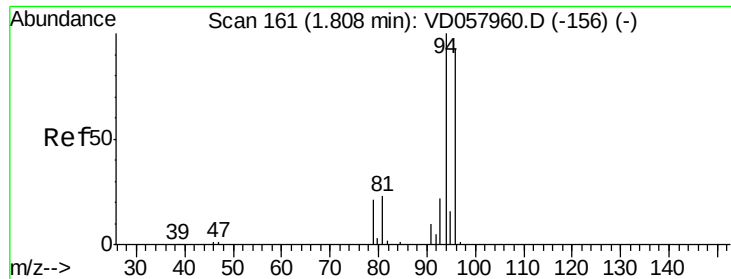
Tgt Ion: 62 Resp: 116206

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 17.374 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.02 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

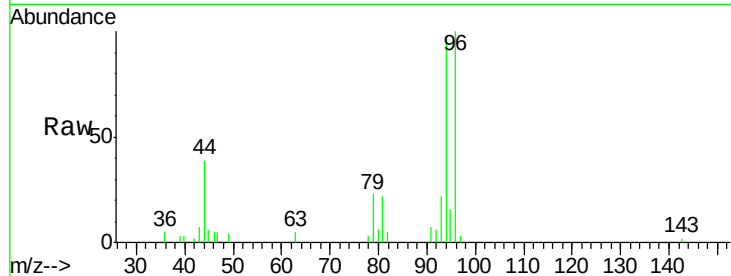
ClientSampleId :

Tot Ion: 94 Resp: 36360

Ion Ratio Lower Upper

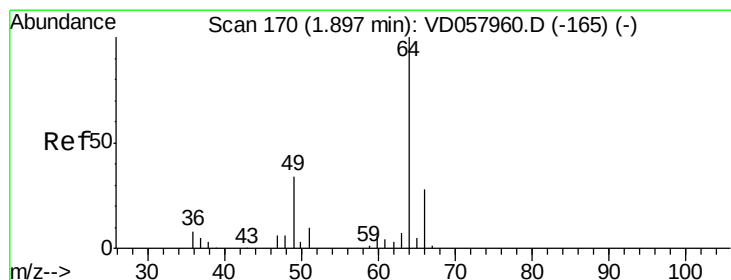
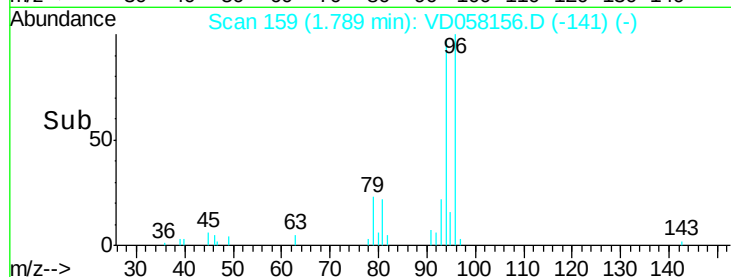
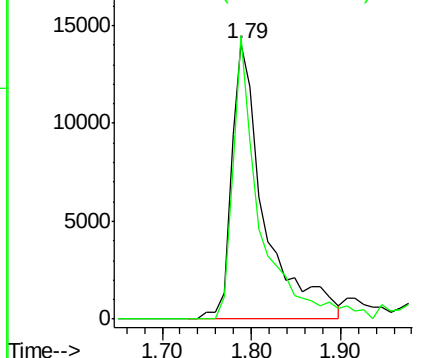
94 100

96 102.8 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.044 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.02 min

Lab File: VD058156.D

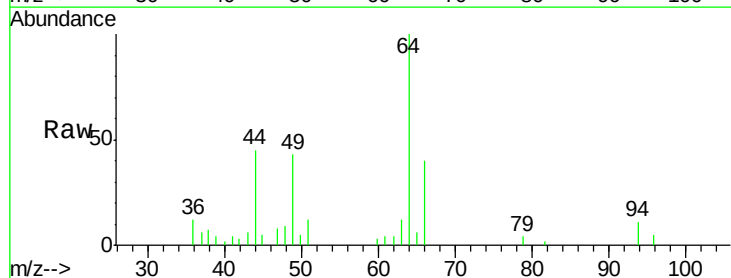
Acq: 15 Jun 2018 17:06

Tgt Ion: 64 Resp: 38013

Ion Ratio Lower Upper

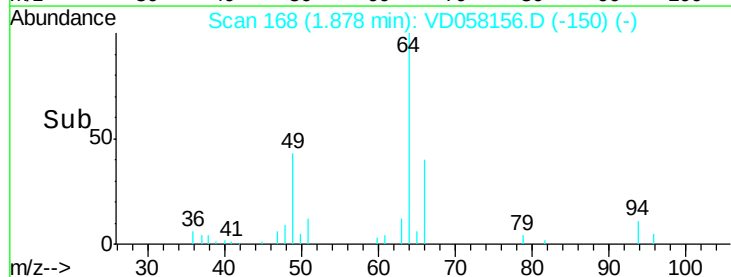
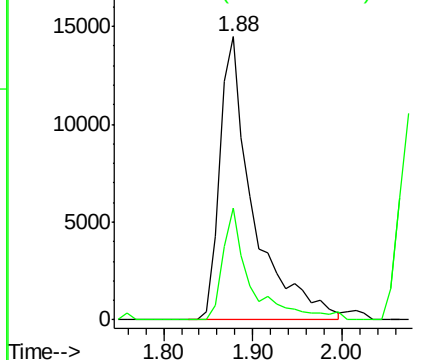
64 100

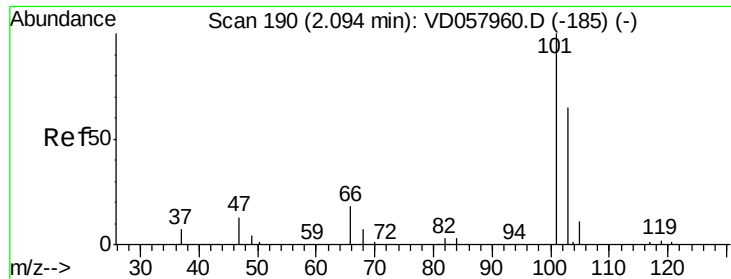
66 39.6 22.8 34.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



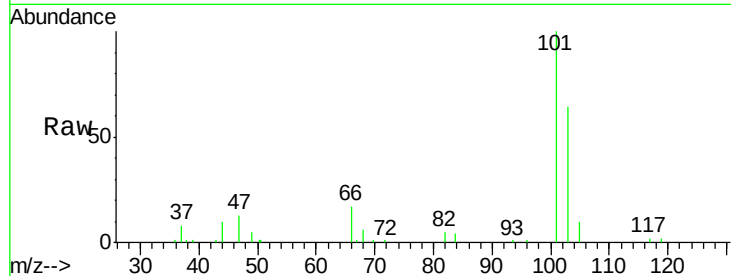


#7

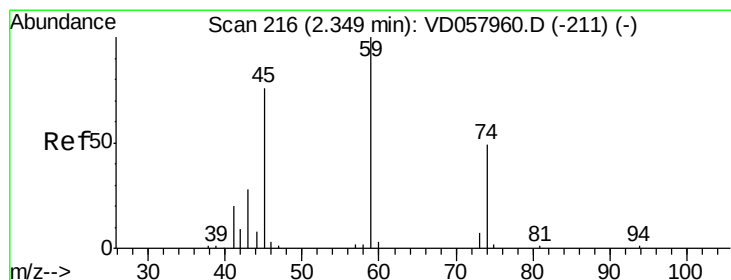
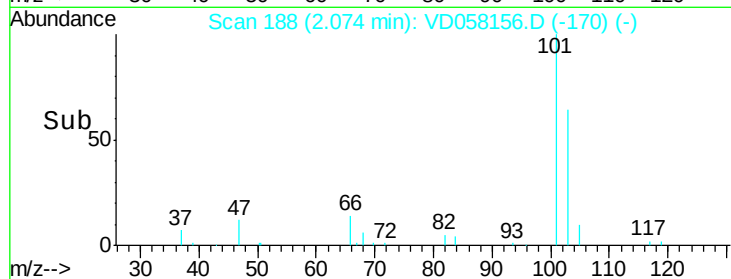
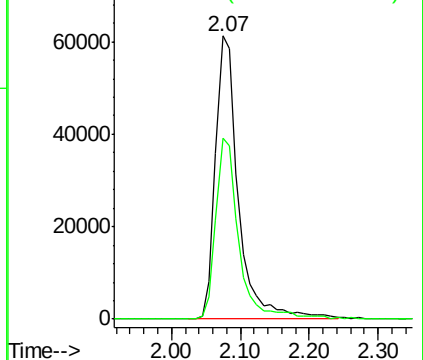
Trichlorofluoromethane
 Concen: 19.434 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.02 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 141849
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.4 78.6



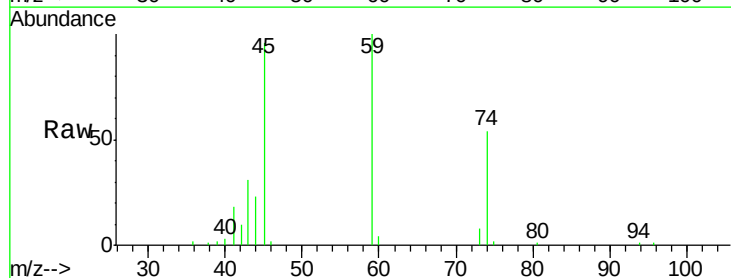
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



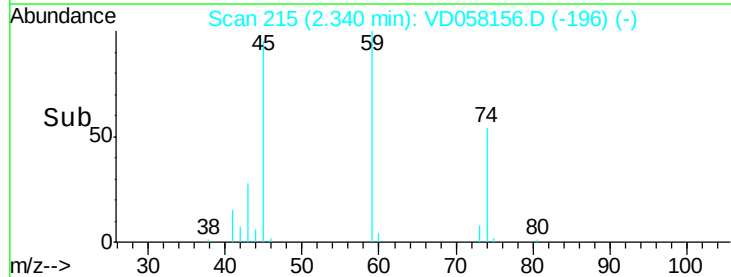
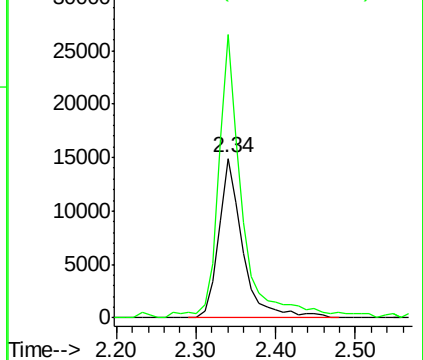
#8

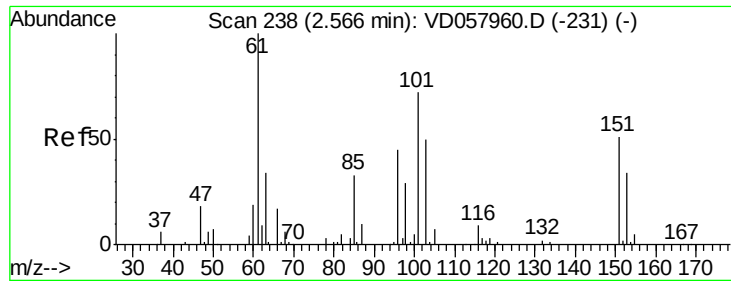
Diethyl Ether
 Concen: 23.297 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion: 74 Resp: 31589
 Ion Ratio Lower Upper
 74 100
 45 177.3 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.295 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

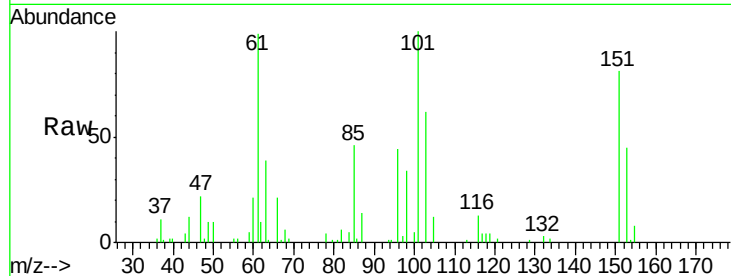
Tot Ion:101 Resp: 92711

Ion Ratio Lower Upper

101 100

85 46.3 37.3 55.9

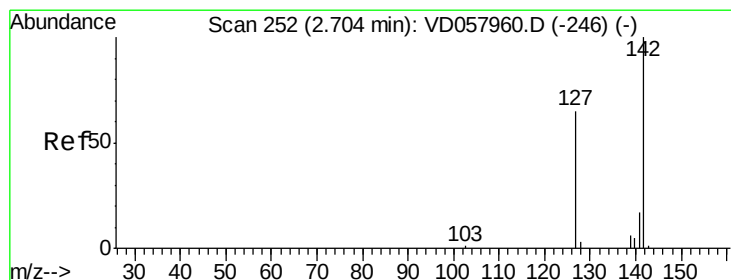
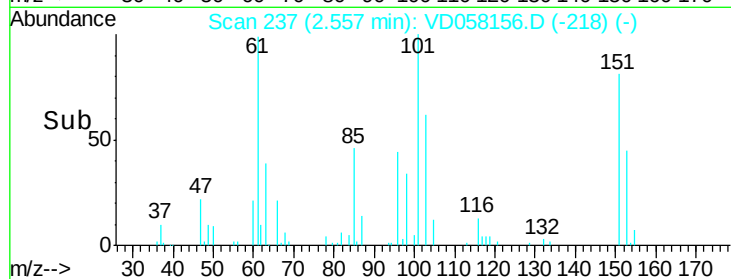
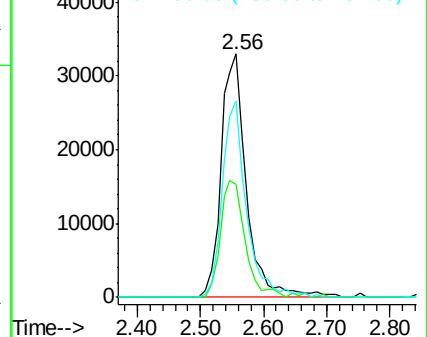
151 80.8 57.0 85.6



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: 19.362 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

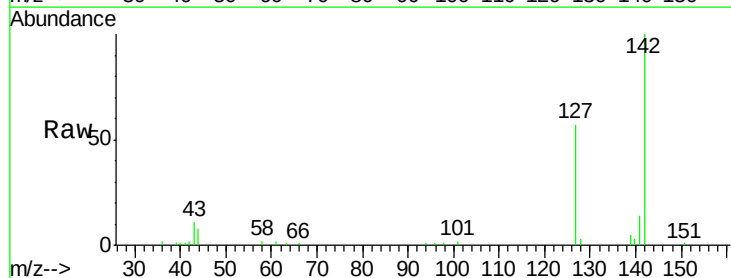
Tgt Ion:142 Resp: 108769

Ion Ratio Lower Upper

142 100

127 56.6 52.0 78.0

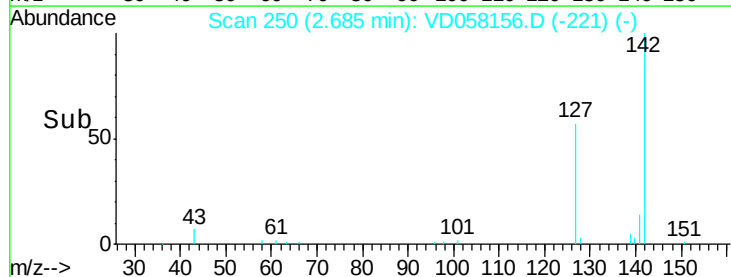
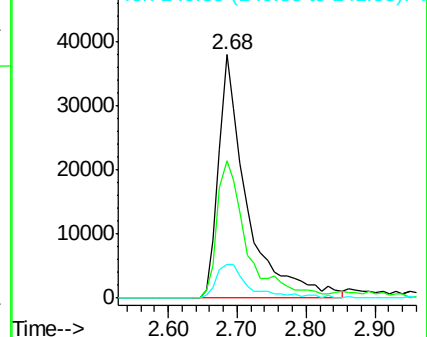
141 13.8 13.2 19.8

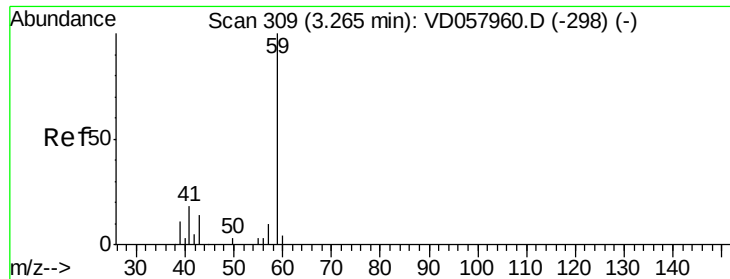


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



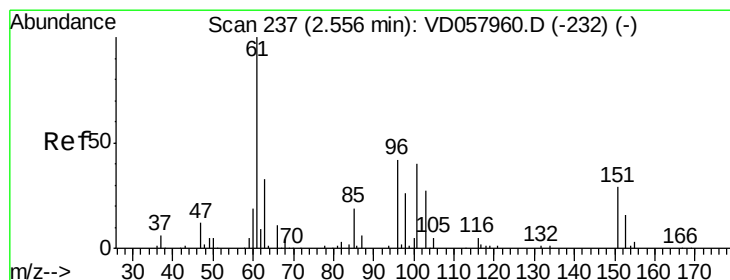
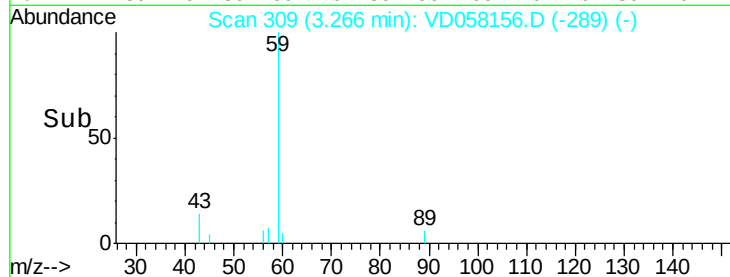
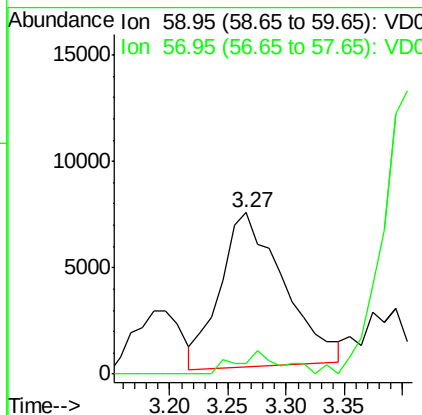
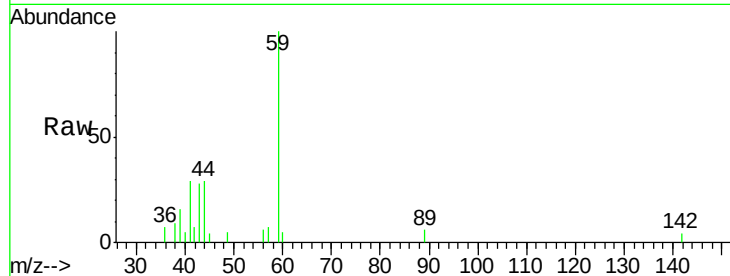


#11

Tert butyl alcohol
Concen: 122.498 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampled :

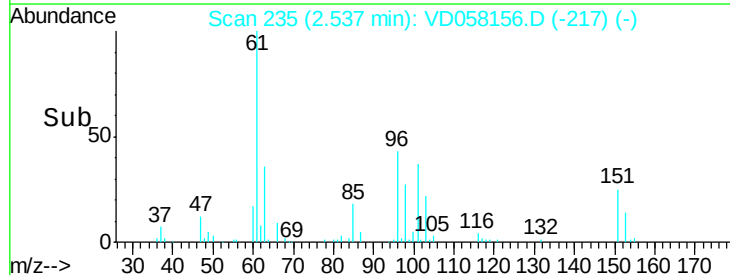
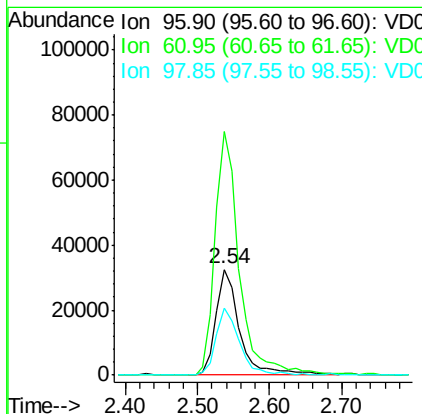
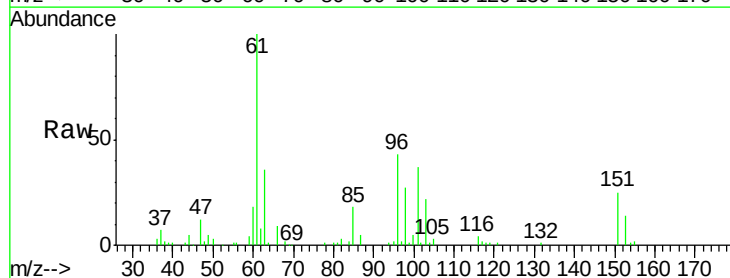
Tot Ion: 59 Resp: 27379
Ion Ratio Lower Upper
59 100
57 6.8 7.8 11.6#

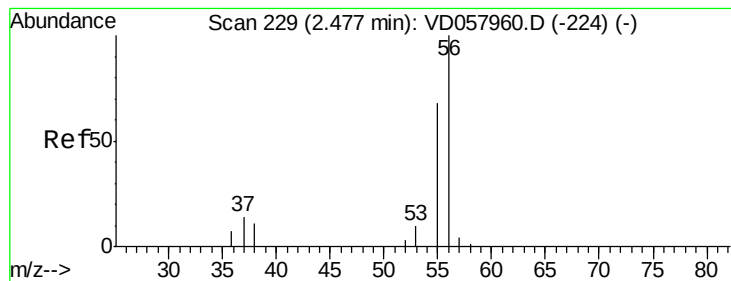


#12

1,1-Dichloroethene
Concen: 21.969 ug/l
RT: 2.54 min Scan# 235
Delta R.T. -0.02 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion: 96 Resp: 73530
Ion Ratio Lower Upper
96 100
61 229.9 190.2 285.4
98 62.8 49.6 74.4





#13

Acrolein

Concen: 89.019 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

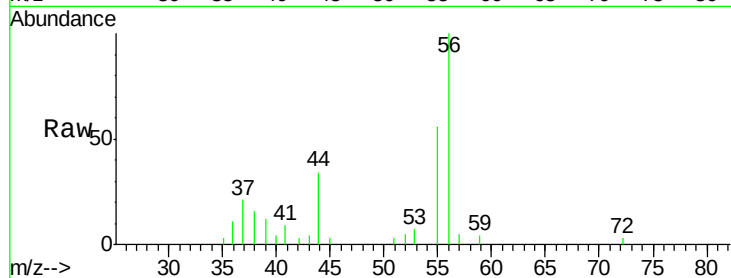
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 28494

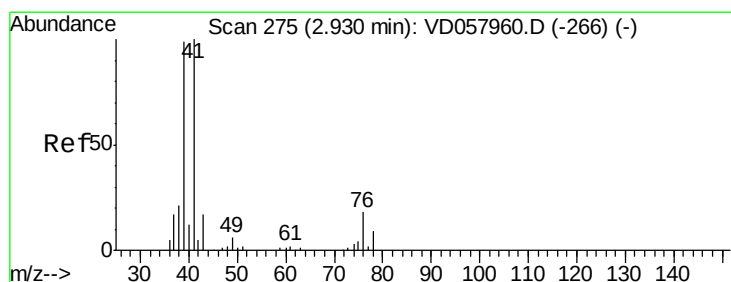
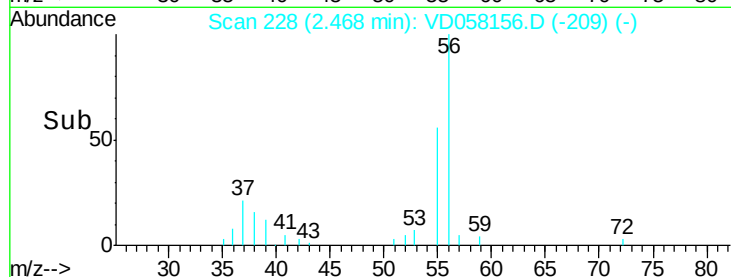
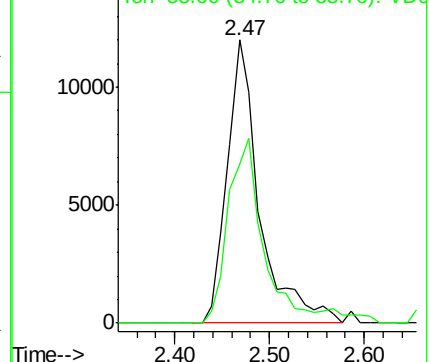
Ion Ratio Lower Upper

56 100

55 56.5 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.436 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

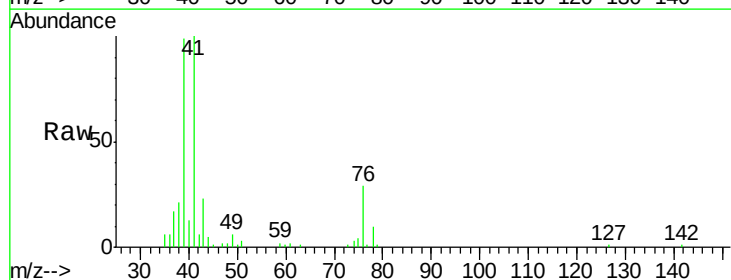
Tgt Ion: 41 Resp: 165506

Ion Ratio Lower Upper

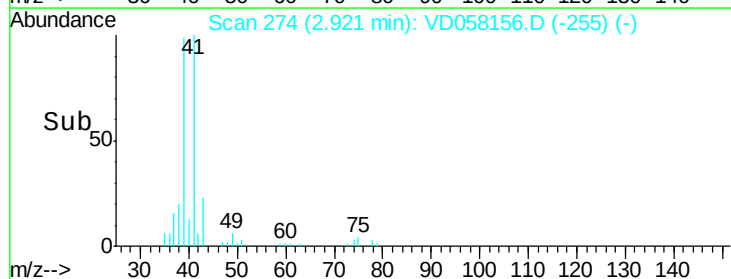
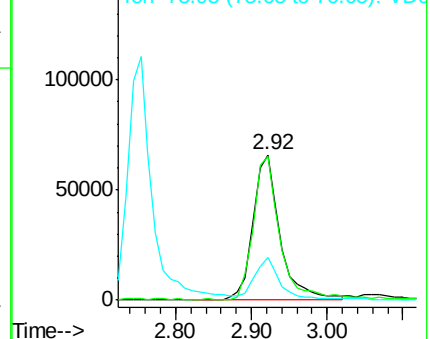
41 100

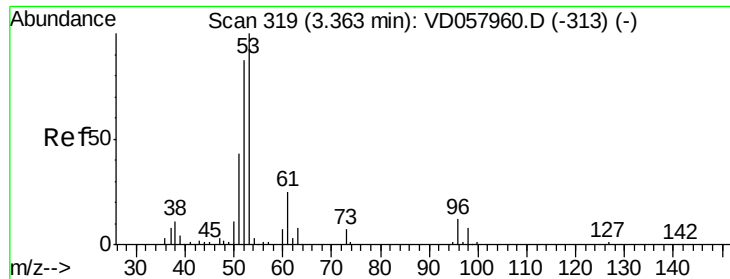
39 99.5 79.5 119.3

76 29.5 20.7 31.1



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

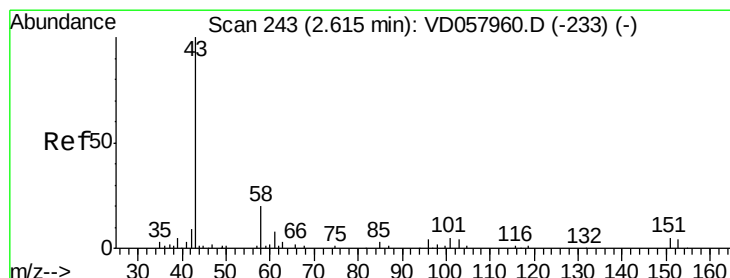
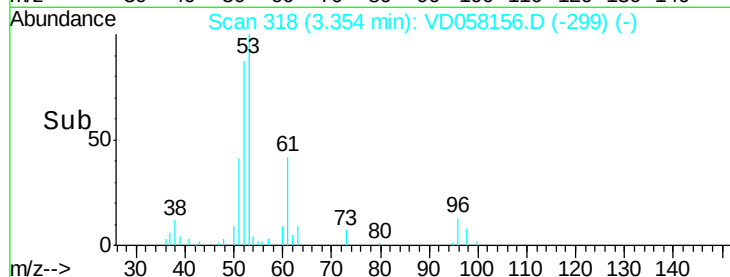
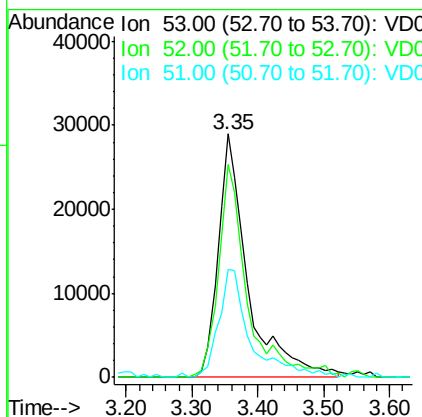
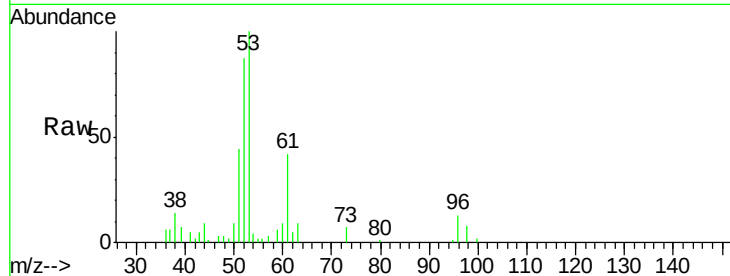




#15
 Acrylonitrile
 Concen: 69.476 ug/l
 RT: 3.35 min Scan# 318
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

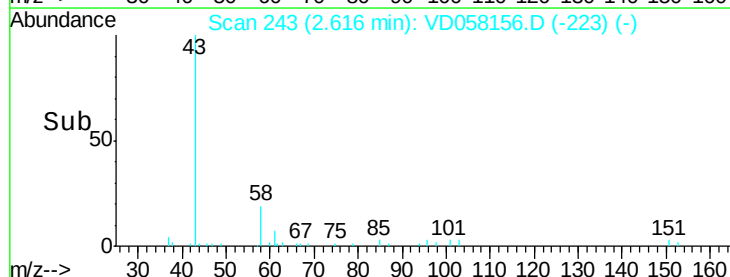
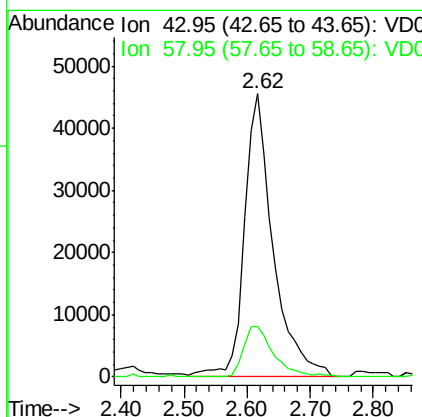
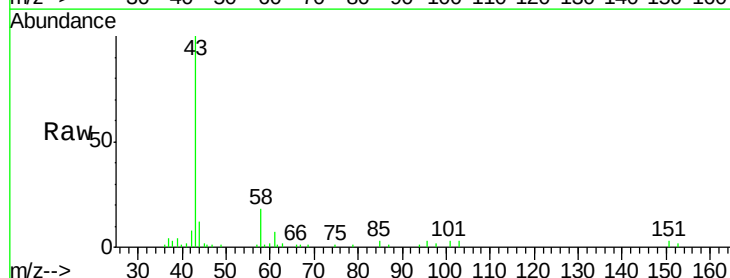
Instrument :
 MSVOA_D
 ClientSampleID :

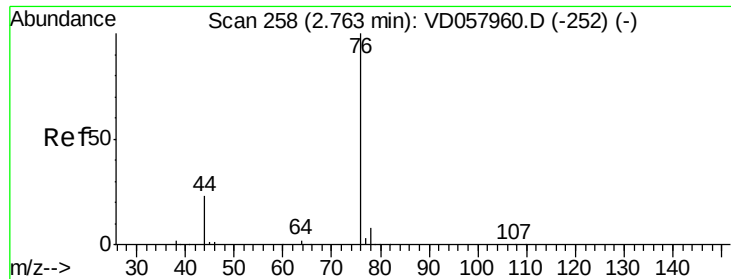
Tot Ion: 53 Resp: 90842
 Ion Ratio Lower Upper
 53 100
 52 87.4 69.9 104.9
 51 44.3 34.3 51.5



#16
 Acetone
 Concen: 119.907 ug/l
 RT: 2.62 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion: 43 Resp: 144133
 Ion Ratio Lower Upper
 43 100
 58 18.0 15.8 23.8

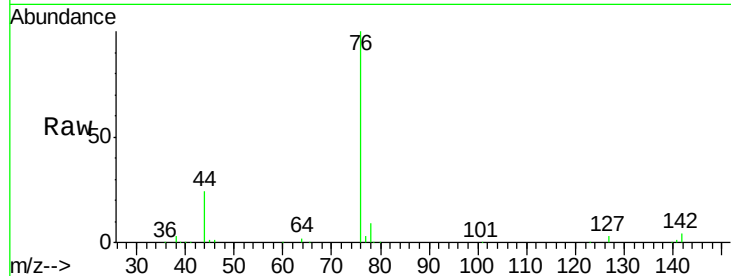




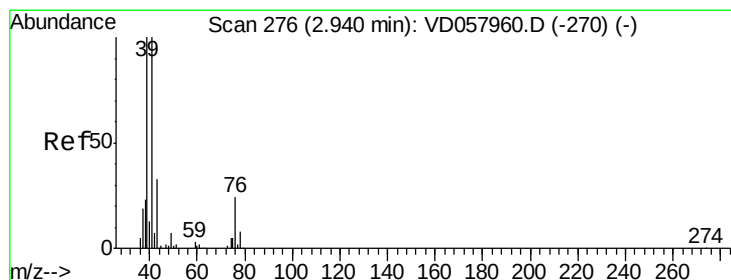
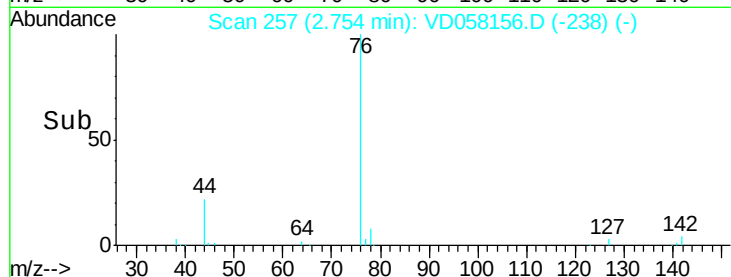
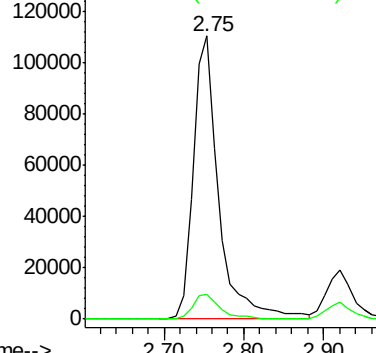
#17
Carbon Disulfide
Concen: 20.466 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 248157
Ion Ratio Lower Upper
76 100
78 8.8 6.7 10.1

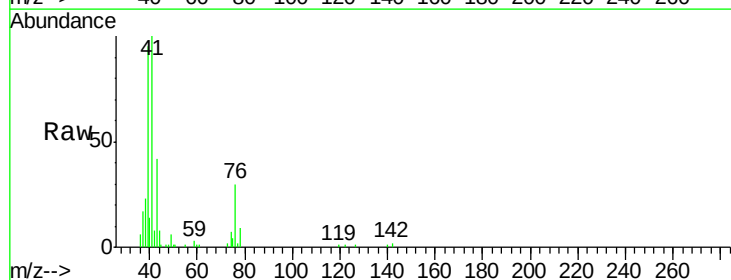


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

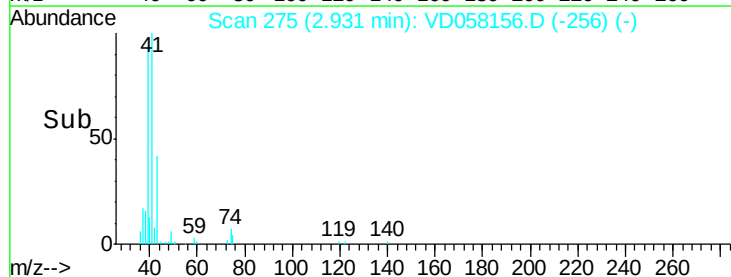
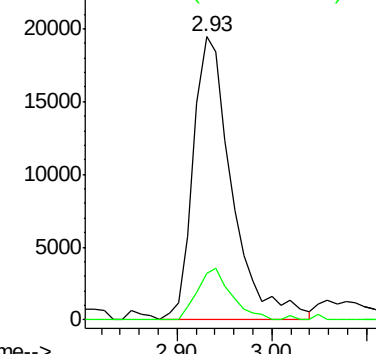


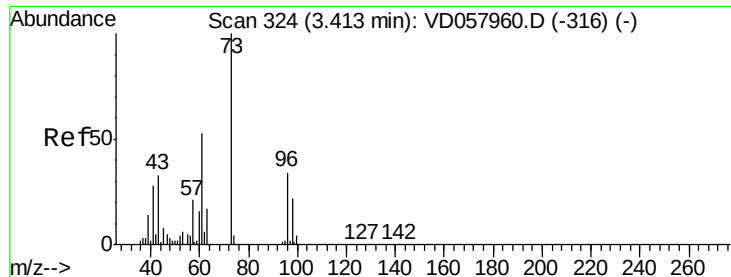
#18
Methyl Acetate
Concen: 23.771 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion: 43 Resp: 55274
Ion Ratio Lower Upper
43 100
74 16.5 11.2 16.8



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



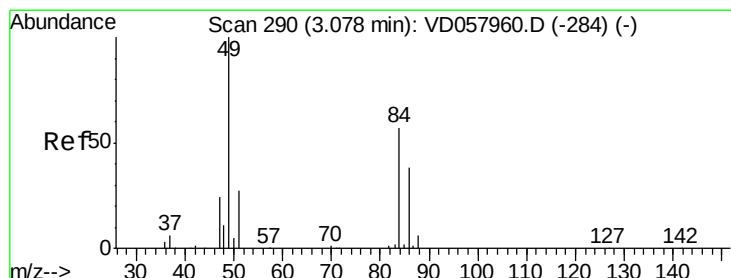
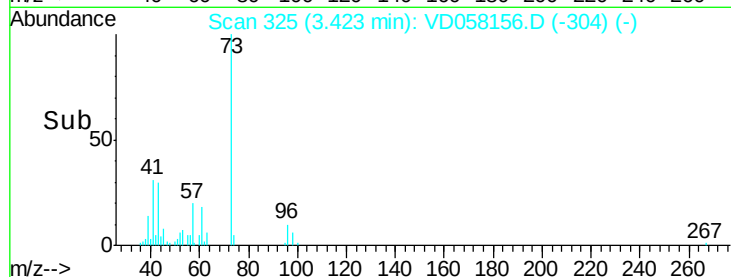
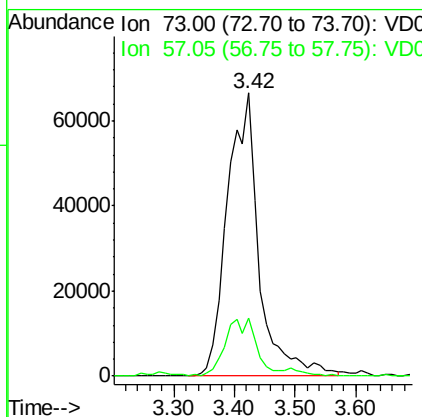
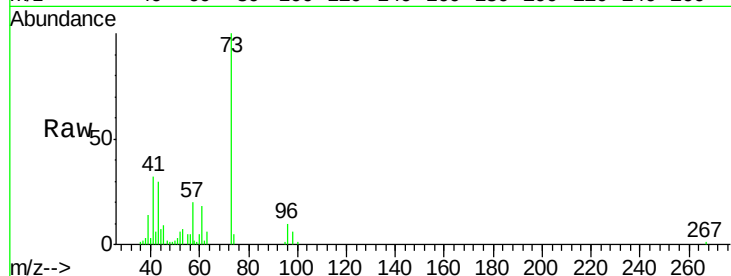


#19

Methyl tert-butyl Ether
 Concen: 16.348 ug/l
 RT: 3.42 min Scan# 325
 Delta R.T. 0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleId :

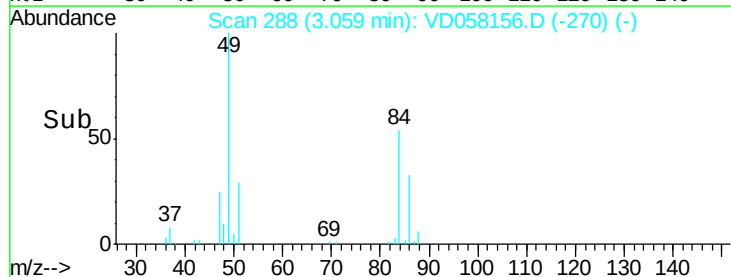
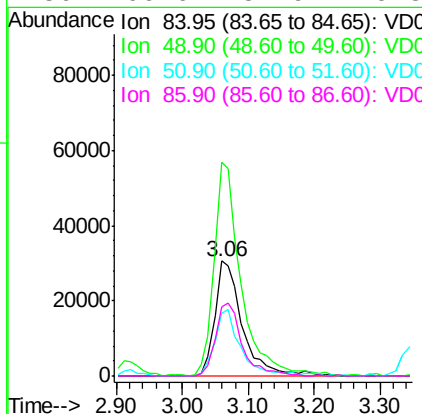
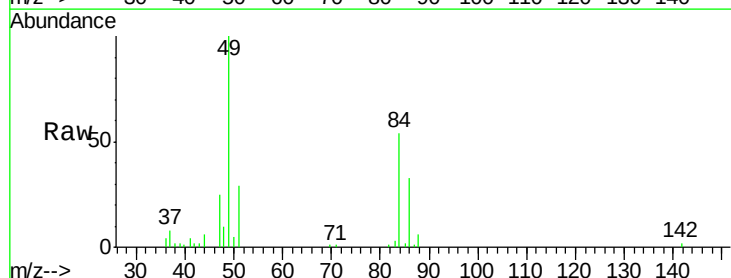
Tot Ion: 73 Resp: 240770
 Ion Ratio Lower Upper
 73 100
 57 20.5 16.7 25.1

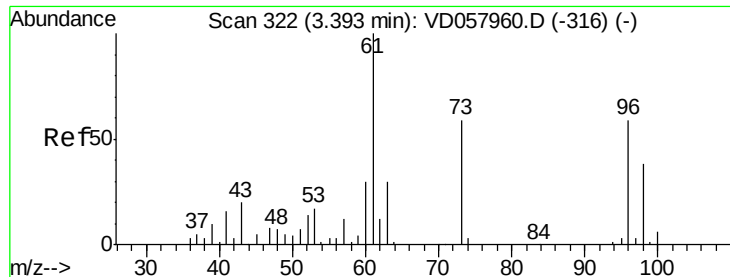


#20

Methylene Chloride
 Concen: 26.100 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. -0.02 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion: 84 Resp: 88528
 Ion Ratio Lower Upper
 84 100
 49 186.3 141.4 212.0
 51 54.4 38.3 57.5
 86 60.6 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 11.760 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampled :

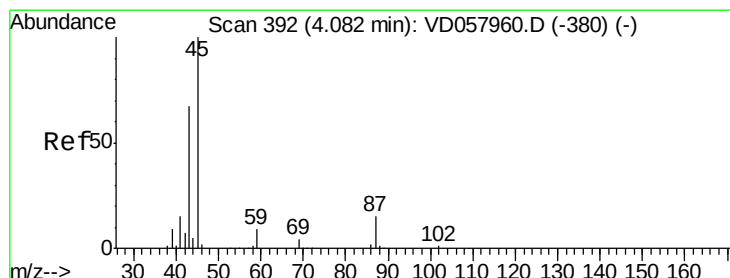
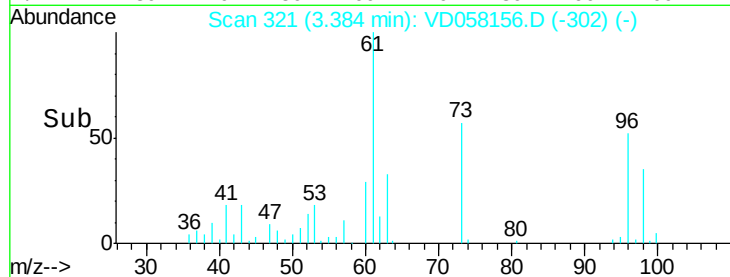
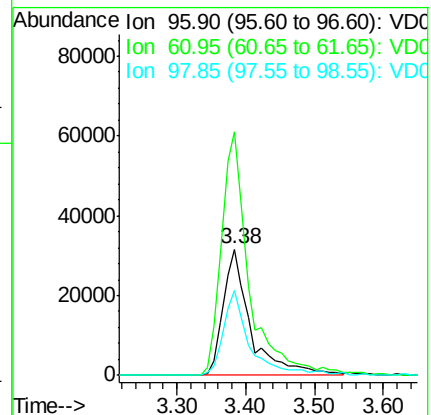
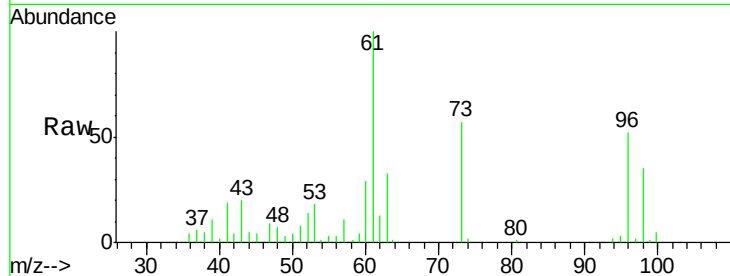
Tot Ion: 96 Resp: 87668

Ion Ratio Lower Upper

96 100

61 193.2 135.2 202.8

98 67.6 51.7 77.5



#22

Diisopropyl ether

Concen: 20.879 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Tgt Ion: 45 Resp: 638651

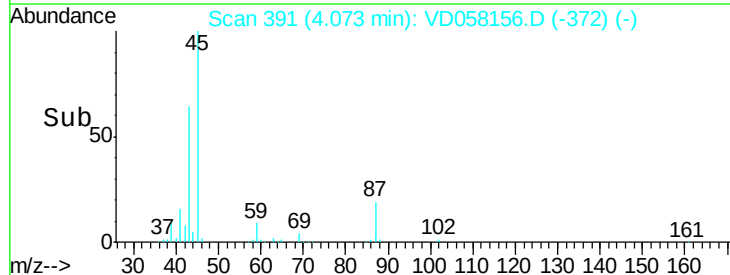
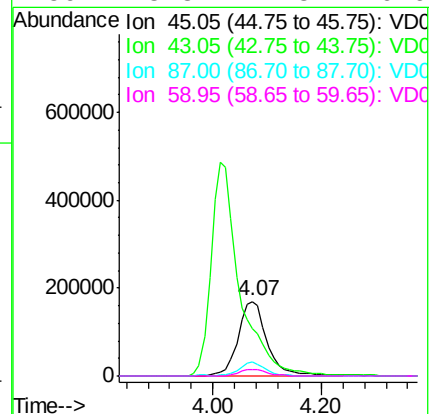
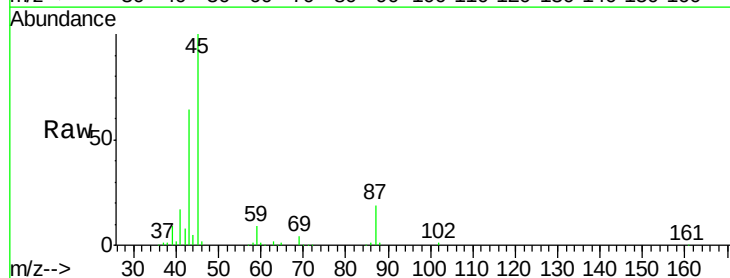
Ion Ratio Lower Upper

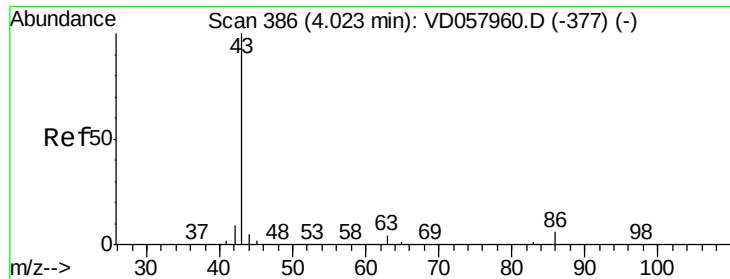
45 100

43 63.8 53.8 80.8

87 19.3 12.5 18.7#

59 8.8 7.3 10.9

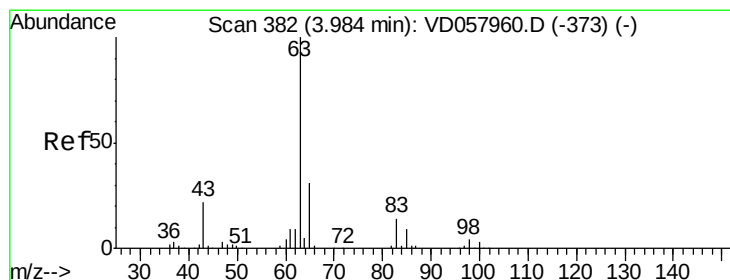
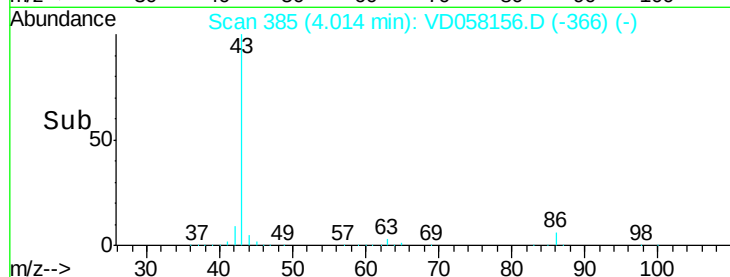
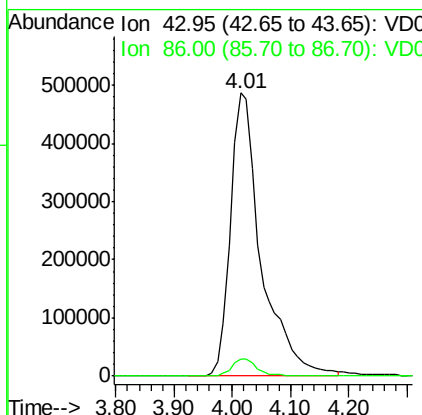
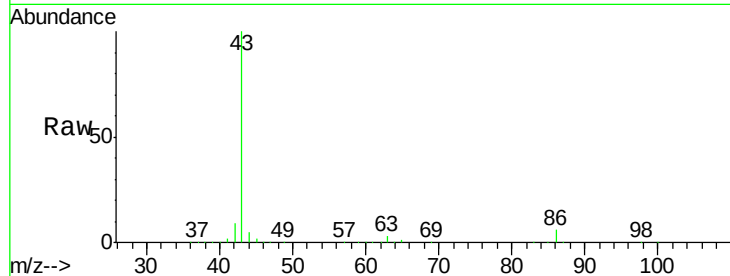




#23
 Vinyl Acetate
 Concen: 113.171 ug/l
 RT: 4.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

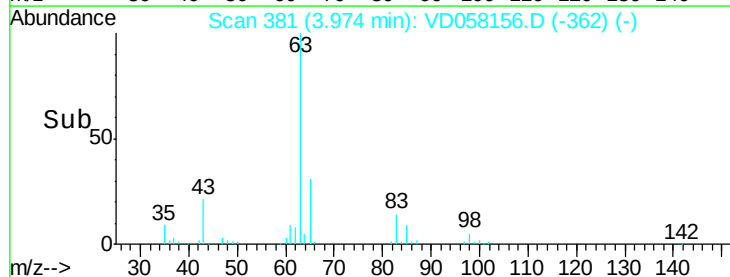
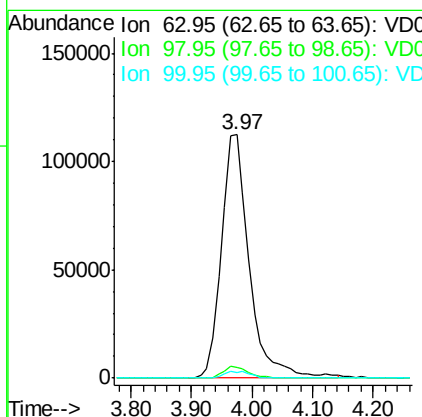
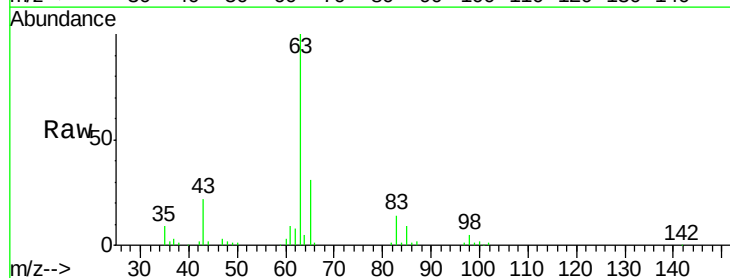
Instrument :
 MSVOA_D
 ClientSampleId :

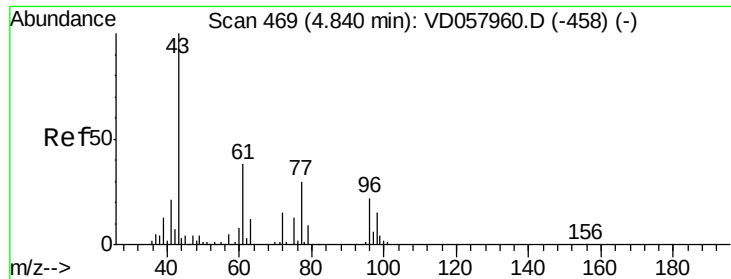
Tot Ion: 43 Resp: 1788583
 Ion Ratio Lower Upper
 43 100
 86 6.1 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 21.343 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion: 63 Resp: 358803
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.0 5.8
 100 2.3 1.4 4.2





#25

2-Butanone

Concen: 113.172 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

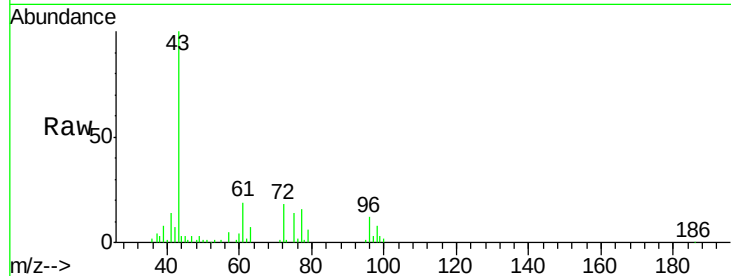
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 309161

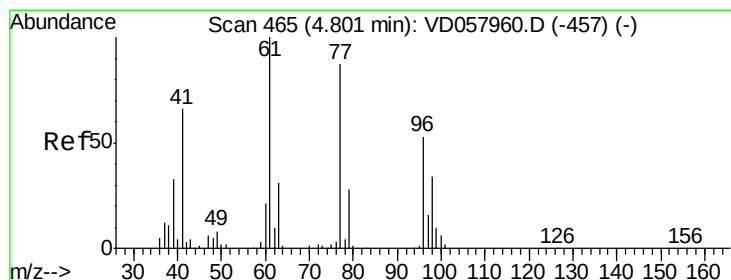
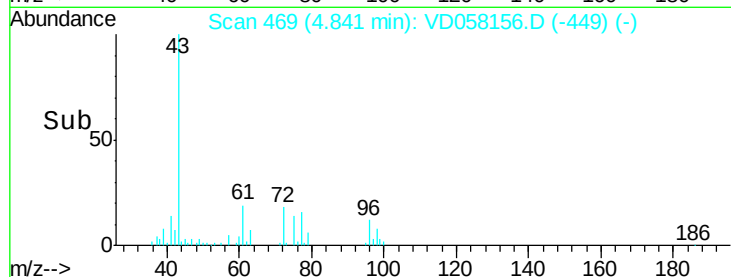
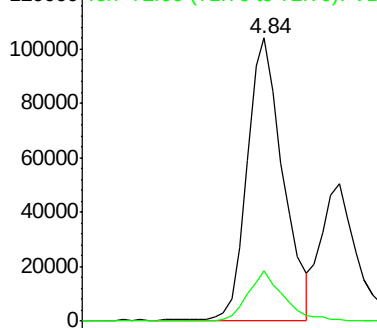
Ion Ratio Lower Upper

43 100

72 17.7 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.748 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD058156.D

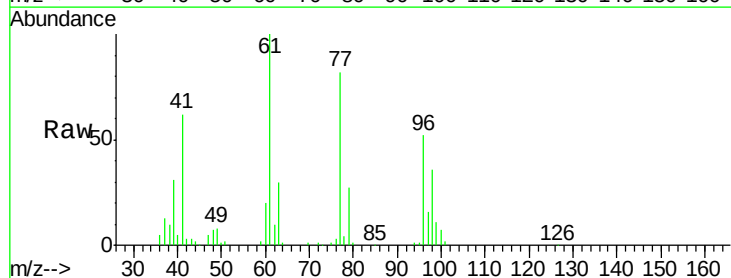
Acq: 15 Jun 2018 17:06

Tgt Ion: 77 Resp: 301172

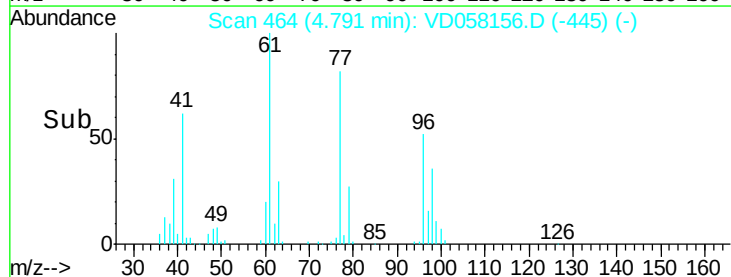
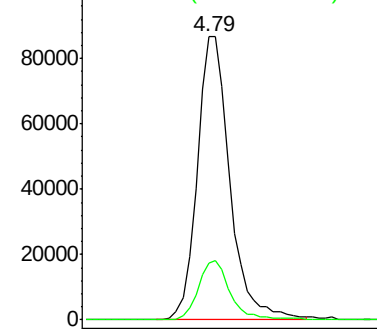
Ion Ratio Lower Upper

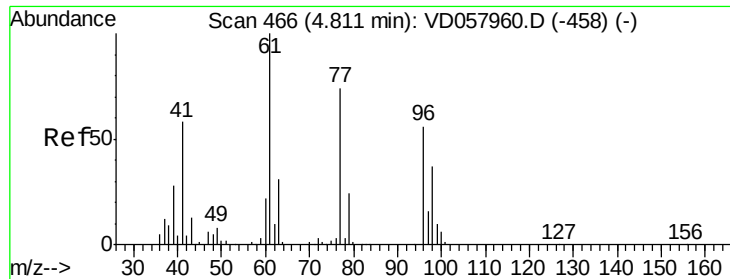
77 100

97 19.9 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



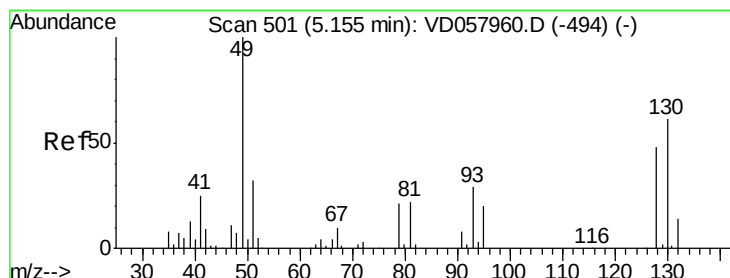
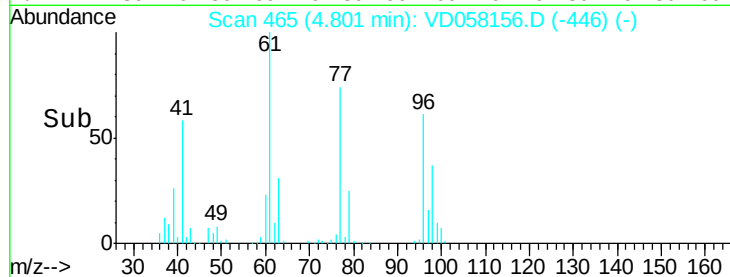
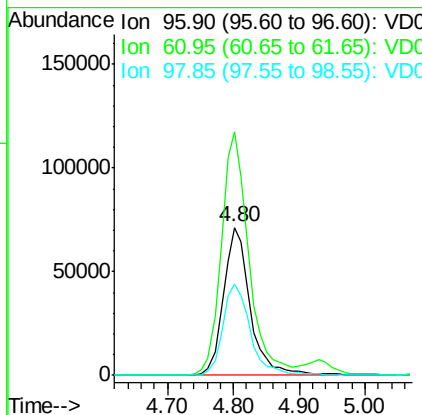
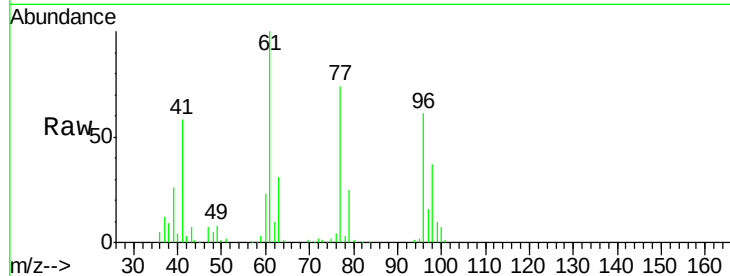


#27

cis-1,2-Dichloroethene
 Concen: 22.882 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Instrument :
 MSVOA_D
 ClientSampled :

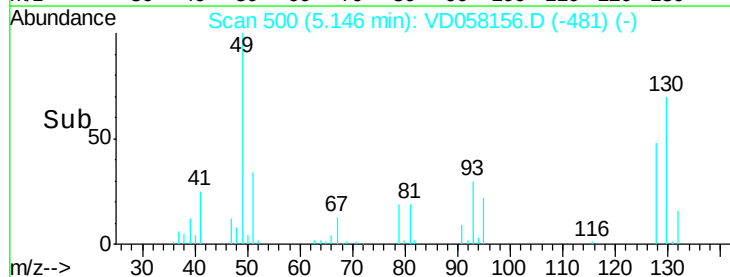
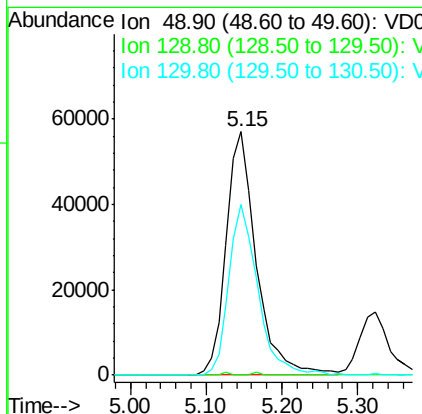
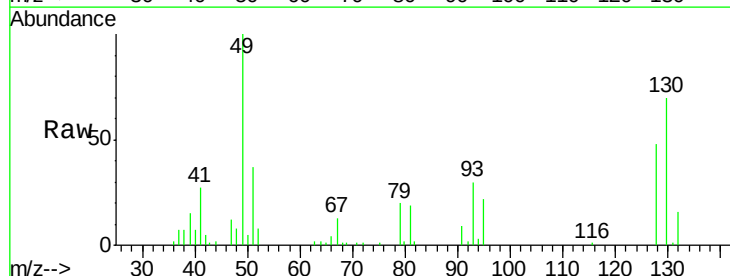
Tot Ion	96	Resp	202318
Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	355.0
98	61.6	0.0	129.6

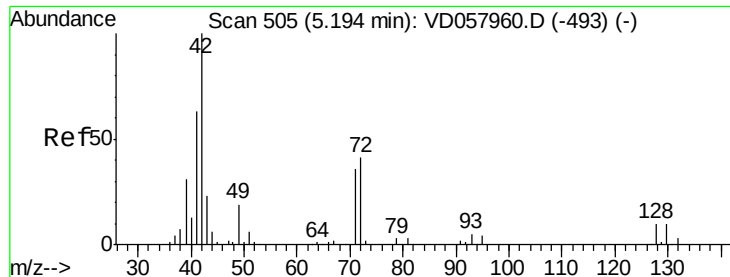


#28

Bromochloromethane
 Concen: 21.629 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion	49	Resp	157373
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	70.0	48.8	73.2

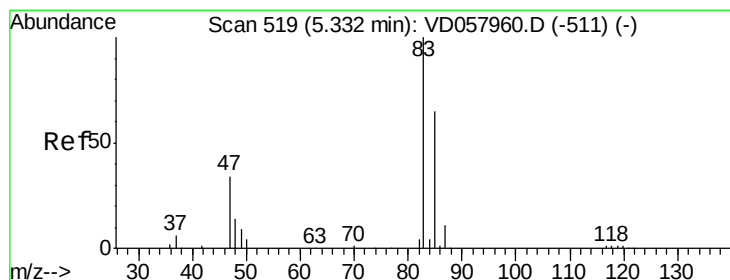
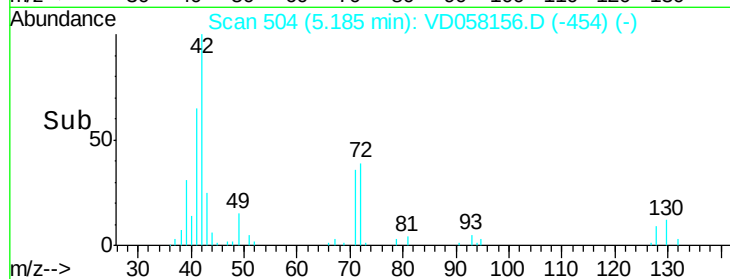
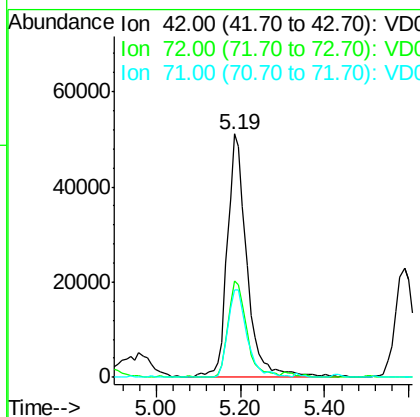
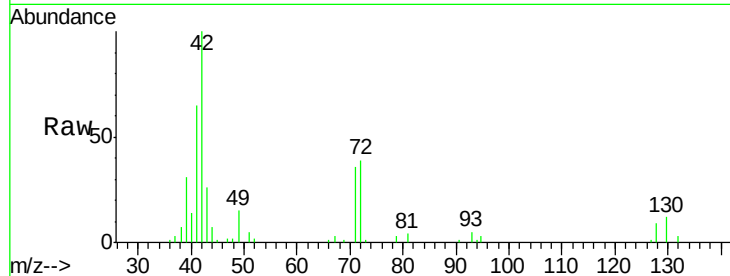




#29
Tetrahydrofuran
Concen: 115.963 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

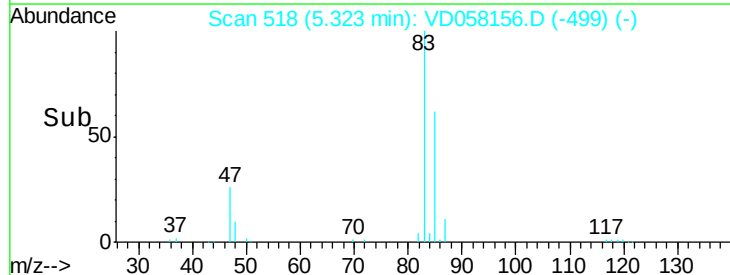
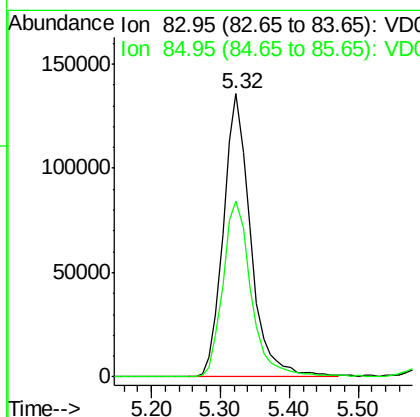
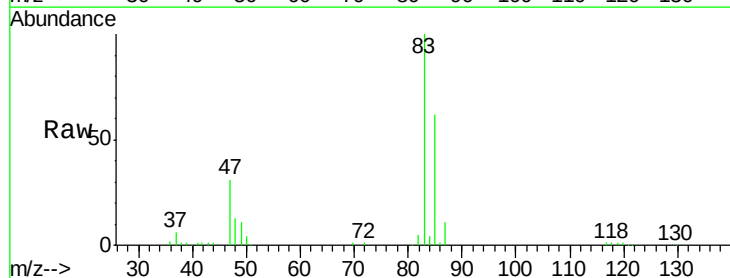
Instrument :
MSVOA_D
ClientSampleId :

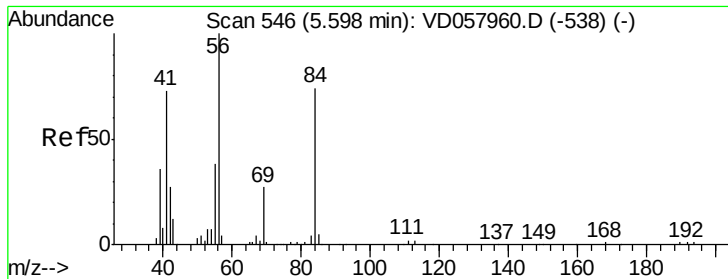
Tot Ion: 42 Resp: 166062
Ion Ratio Lower Upper
42 100
72 37.2 28.5 42.7
71 35.5 27.9 41.9



#30
Chloroform
Concen: 22.052 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion: 83 Resp: 373101
Ion Ratio Lower Upper
83 100
85 62.3 51.6 77.4

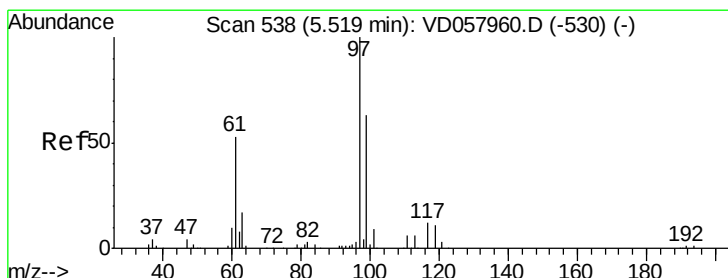
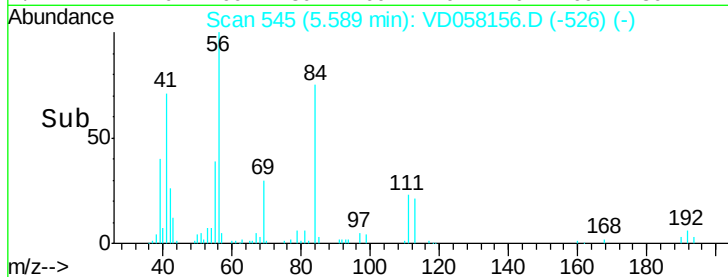
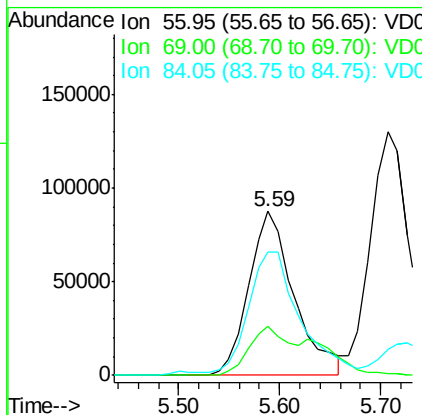
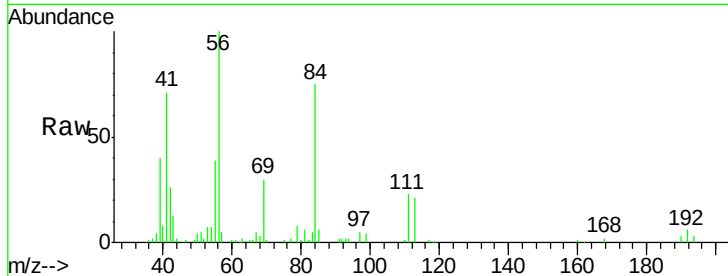




#31
Cyclohexane
Concen: 18.875 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

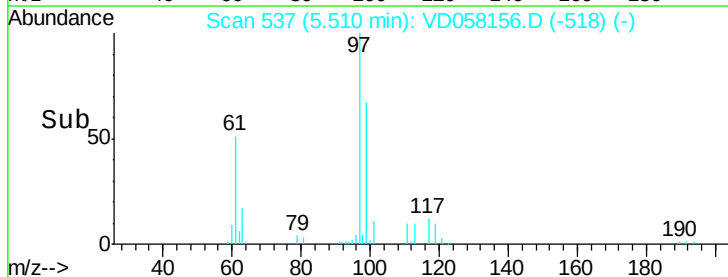
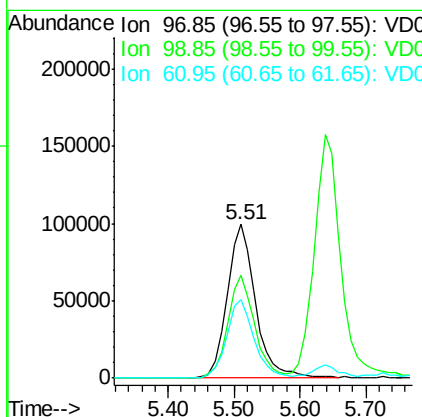
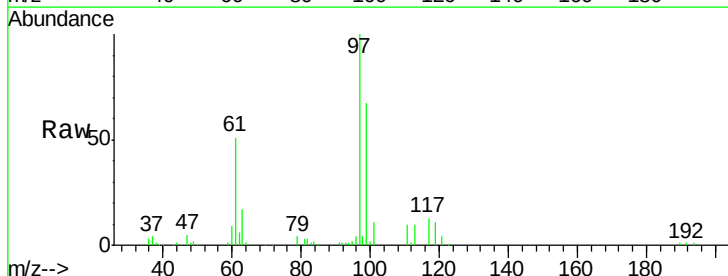
Instrument :
MSVOA_D
ClientSampleId :

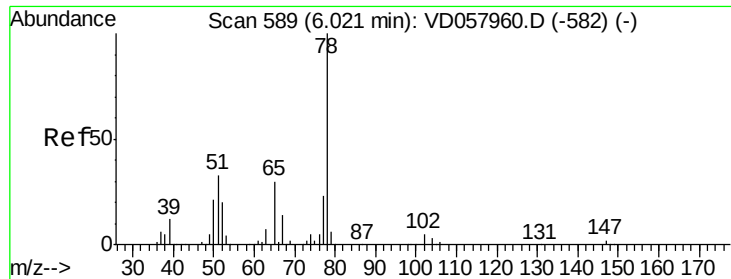
Tot Ion: 56 Resp: 273829
Ion Ratio Lower Upper
56 100
69 30.1 21.5 32.3
84 75.3 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 21.119 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion: 97 Resp: 299175
Ion Ratio Lower Upper
97 100
99 67.0 50.1 75.1
61 51.3 42.2 63.4

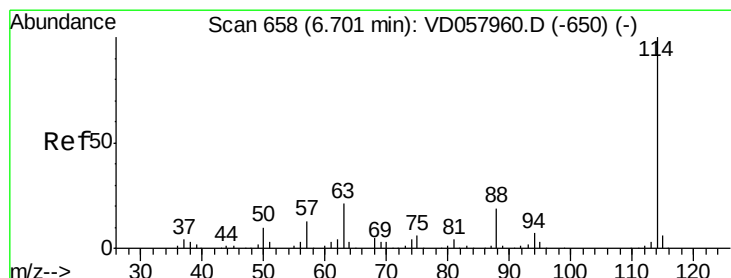
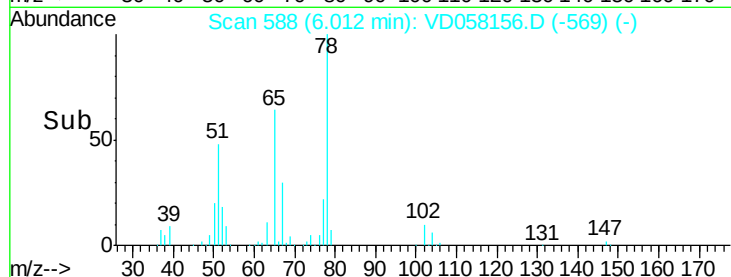
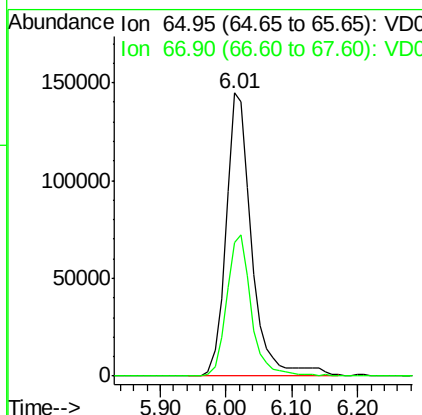
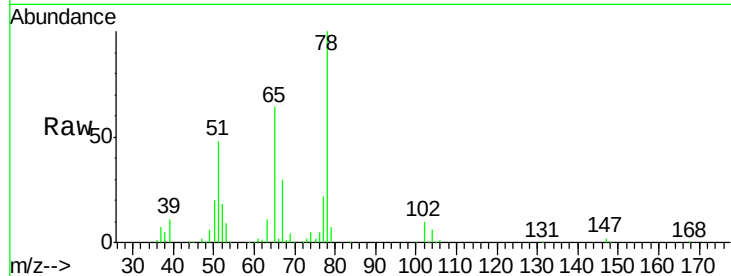




#33
 1,2-Dichloroethane-d4
 Concen: 21.119 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

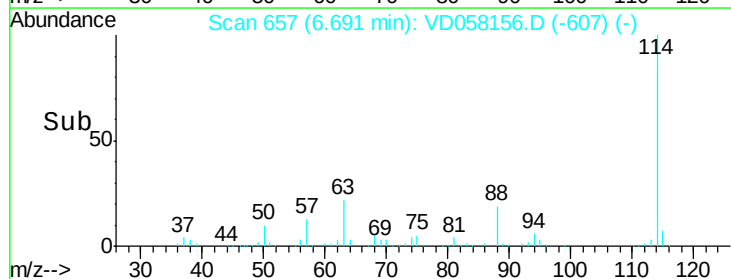
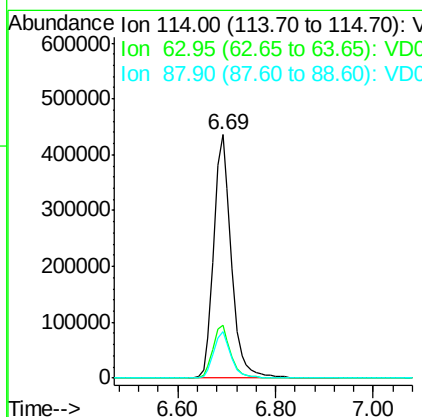
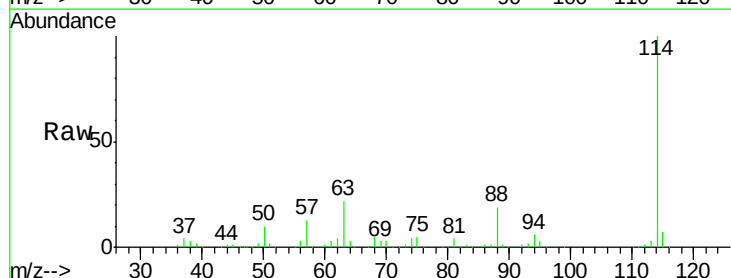
Instrument :
 MSVOA_D
 ClientSampleId :

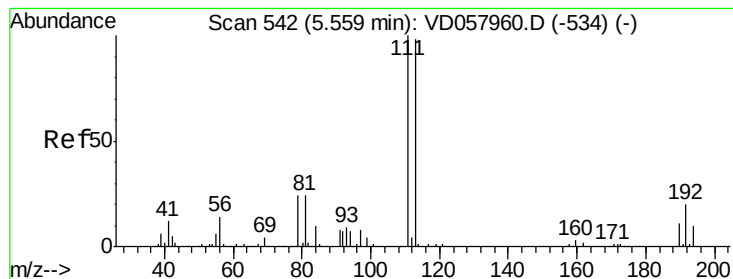
Tot Ion: 65 Resp: 394418
 Ion Ratio Lower Upper
 65 100
 67 47.2 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion: 114 Resp: 1099246
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.8
 88 19.2 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :

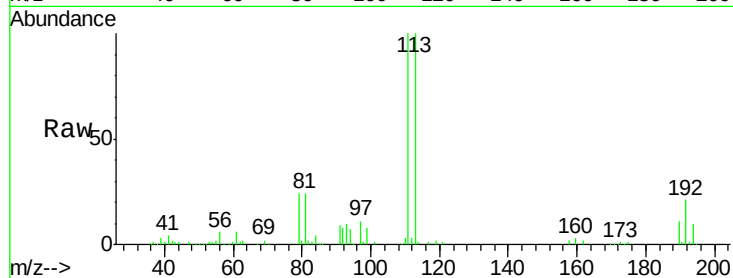
Tot Ion:113 Resp: 410753

Ion Ratio Lower Upper

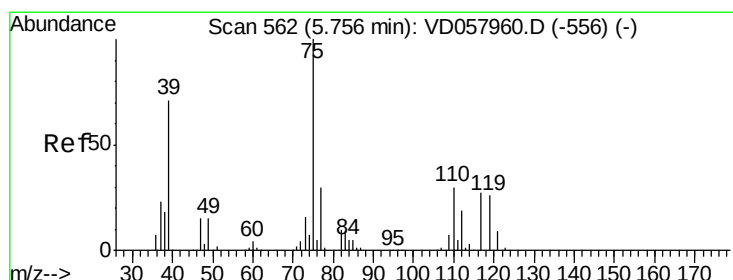
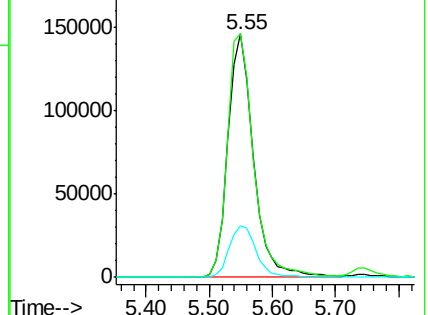
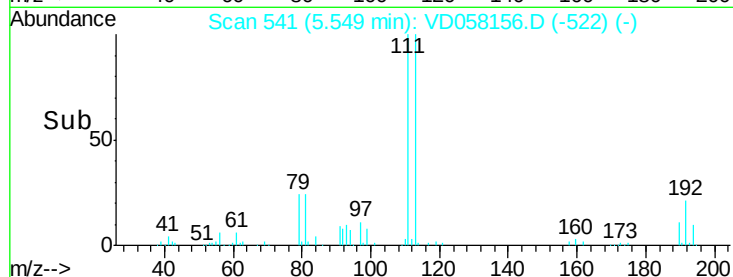
113 100

111 99.8 81.5 122.3

192 21.3 16.4 24.6



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: 21.653 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

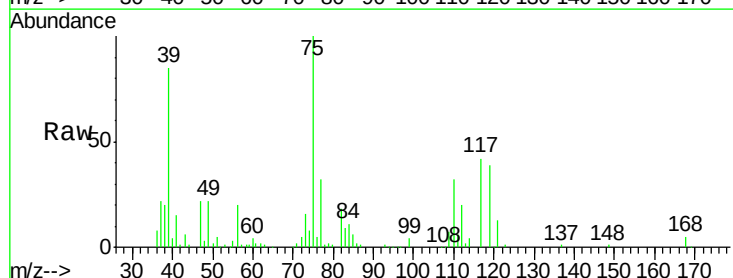
Tgt Ion: 75 Resp: 262234

Ion Ratio Lower Upper

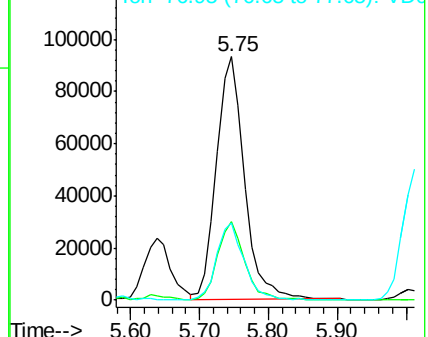
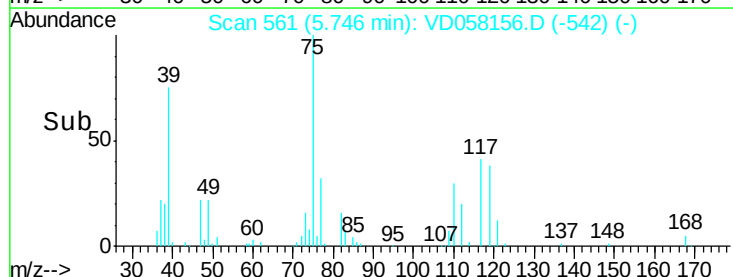
75 100

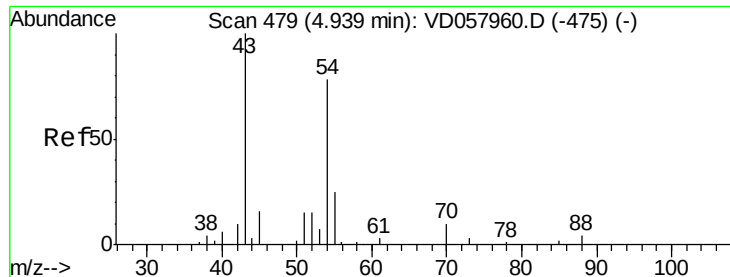
110 32.5 14.8 44.3

77 31.6 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

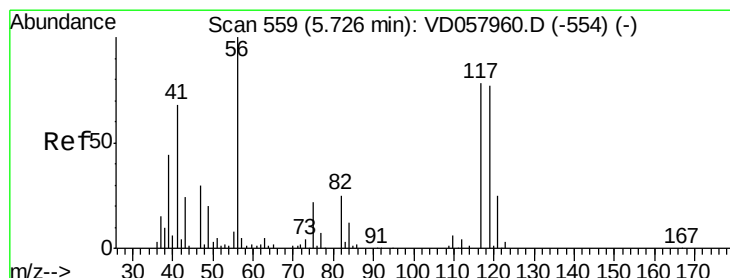
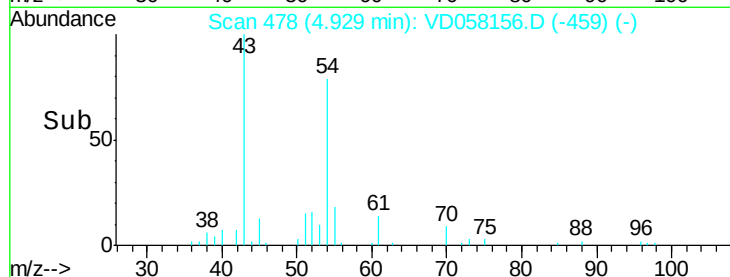
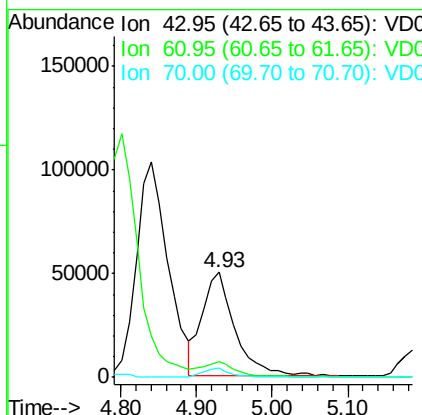
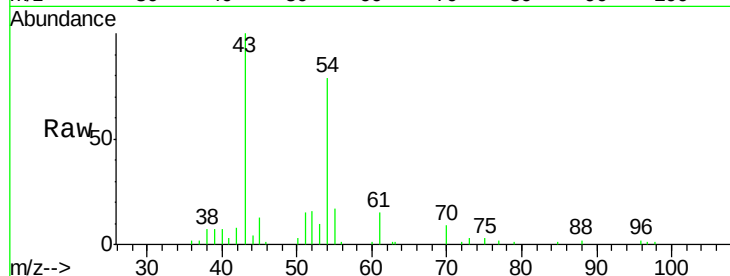




#37
Ethyl Acetate
Concen: 22.819 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

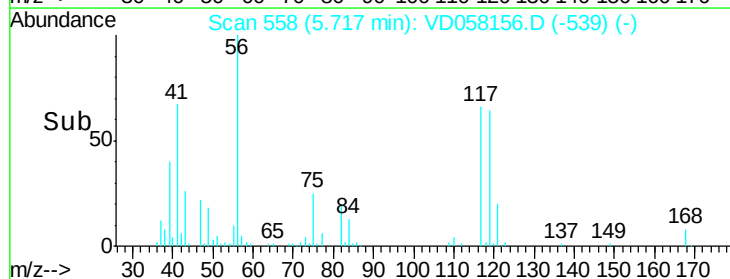
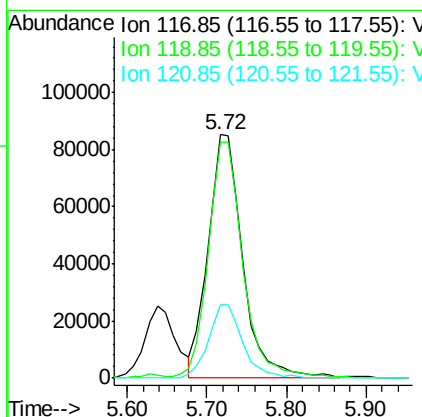
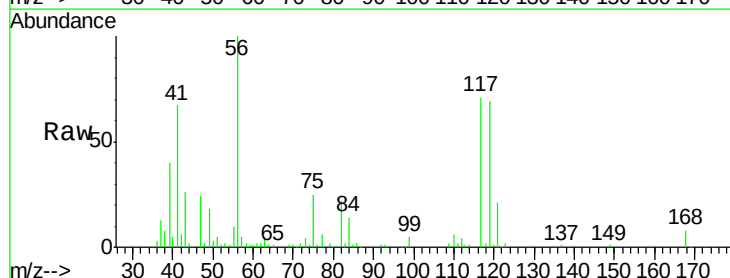
Instrument :
MSVOA_D
ClientSampleId :

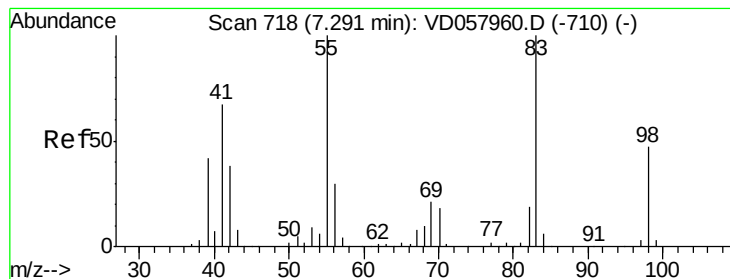
Tot Ion: 43 Resp: 150792
Ion Ratio Lower Upper
43 100
61 14.8 9.9 14.9
70 9.4 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 21.557 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion: 117 Resp: 257301
Ion Ratio Lower Upper
117 100
119 97.1 76.1 114.1
121 30.1 24.9 37.3





#39

Methylvlcyclohexane

Concen: 21.889 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

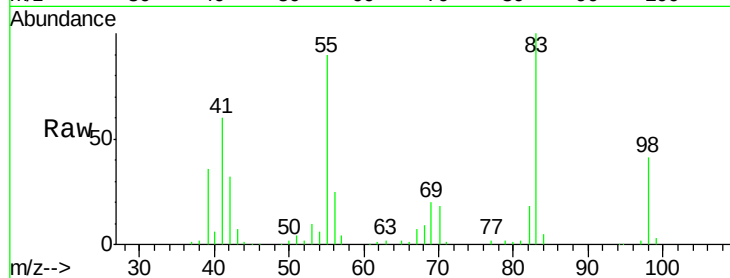
Tot Ion: 83 Resp: 262793

Ion Ratio Lower Upper

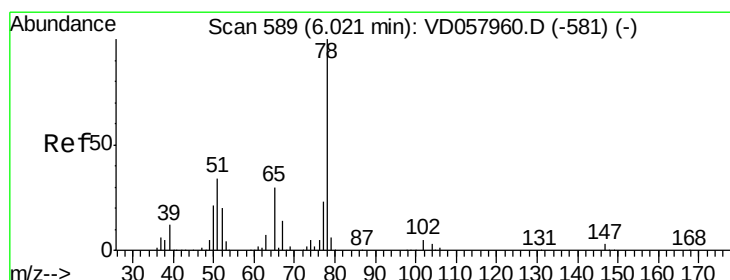
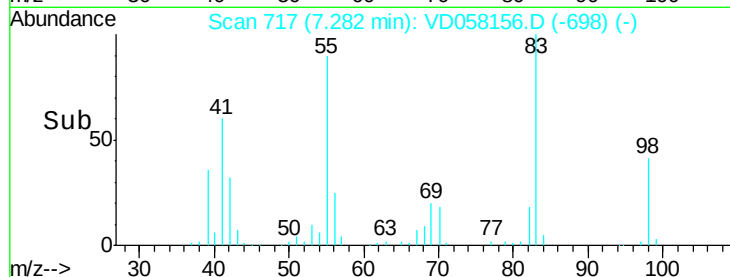
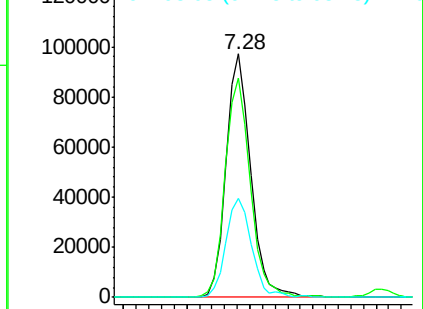
83 100

55 90.2 80.3 120.5

98 40.9 38.0 57.0



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: 21.728 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058156.D

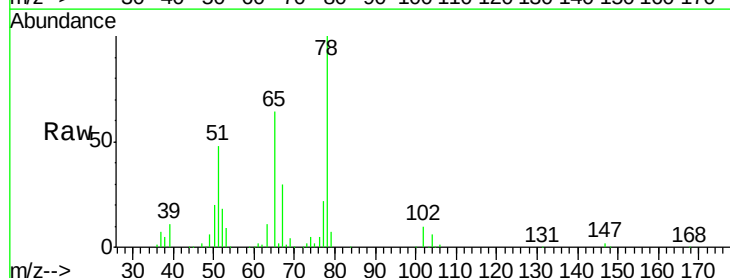
Acq: 15 Jun 2018 17:06

Tgt Ion: 78 Resp: 614716

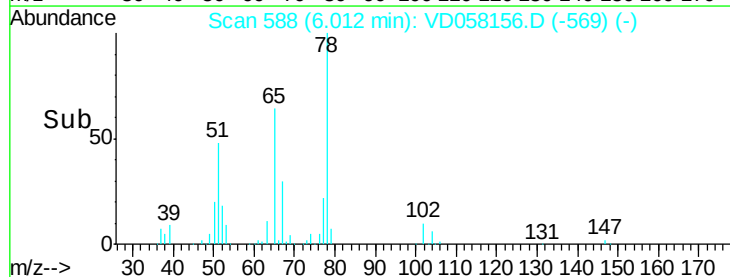
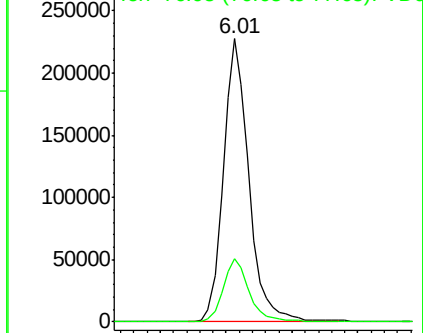
Ion Ratio Lower Upper

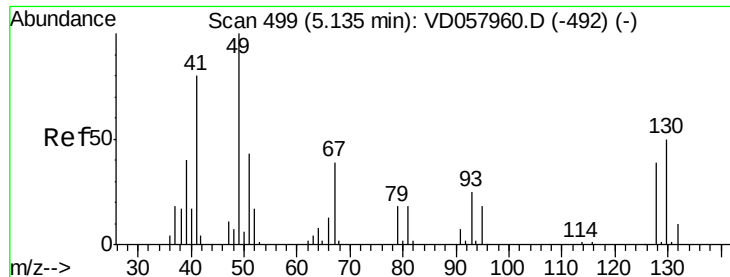
78 100

77 22.1 18.1 27.1



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

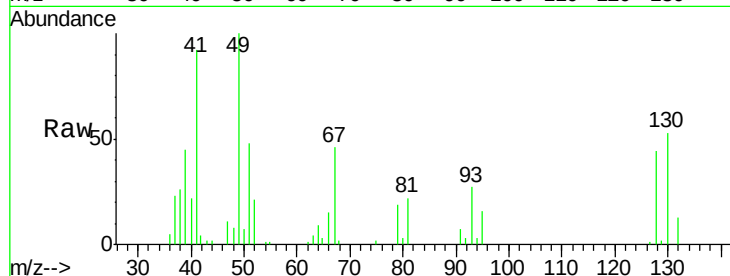




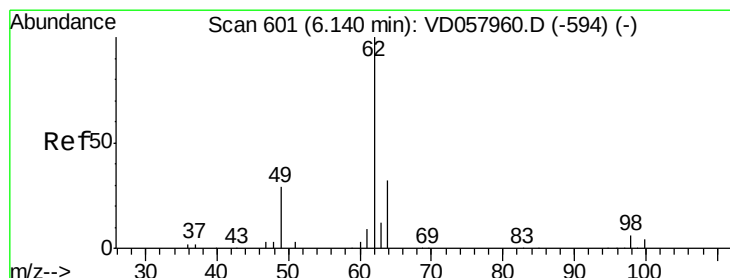
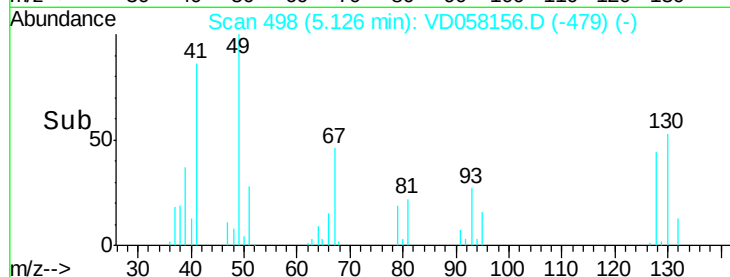
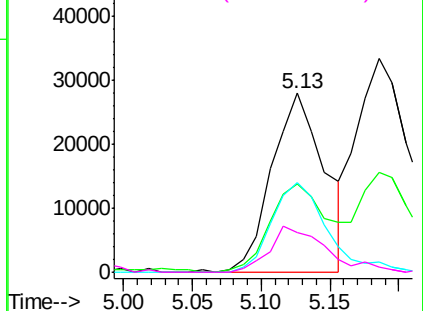
#41
Methacrylonitrile
Concen: 24.723 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 74702
Ion Ratio Lower Upper
41 100
39 49.3 40.7 61.1
67 50.3 38.8 58.2
52 22.5 17.3 25.9

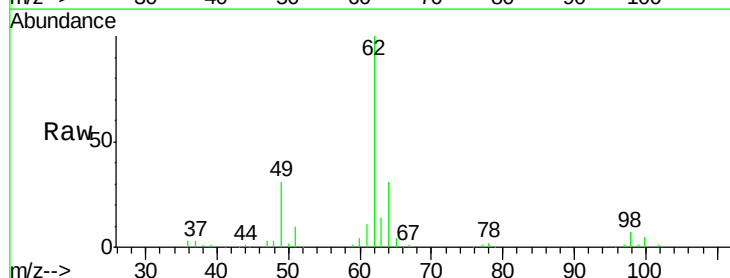


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

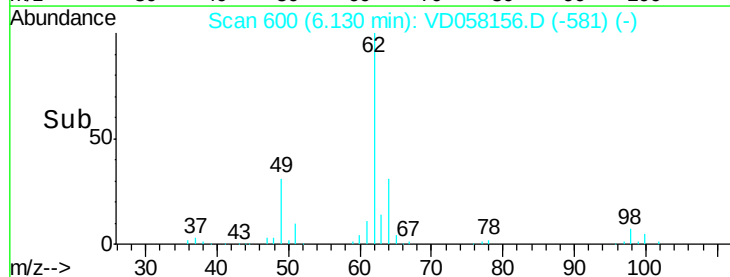
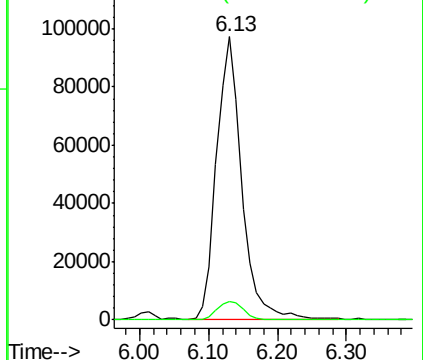


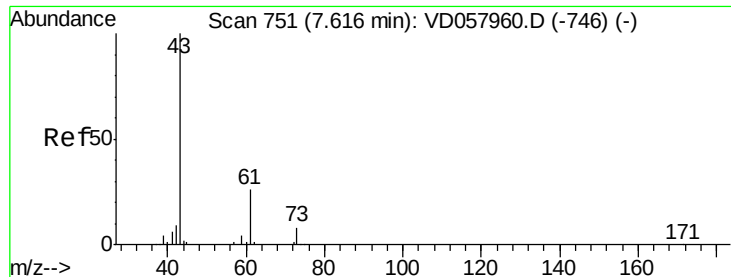
#42
1,2-Dichloroethane
Concen: 21.645 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion: 62 Resp: 247591
Ion Ratio Lower Upper
62 100
98 6.7 0.0 12.8



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





#43

Isopropyl Acetate

Concen: 22.929 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

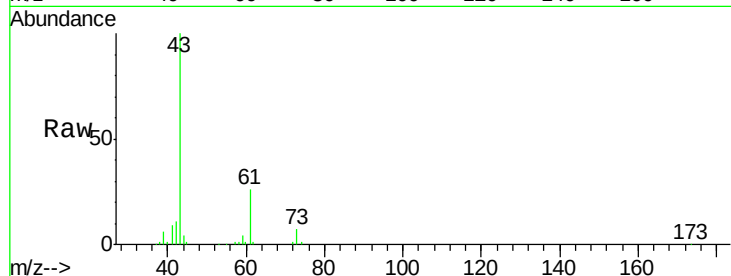
Tot Ion: 43 Resp: 198470

Ion Ratio Lower Upper

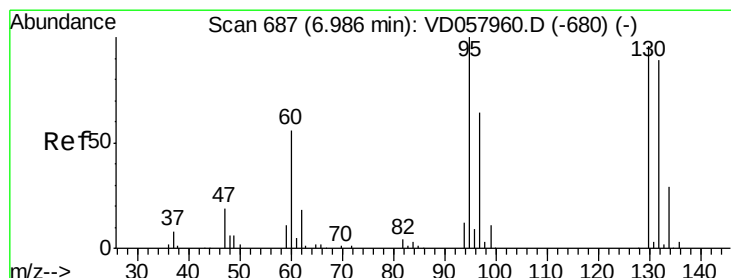
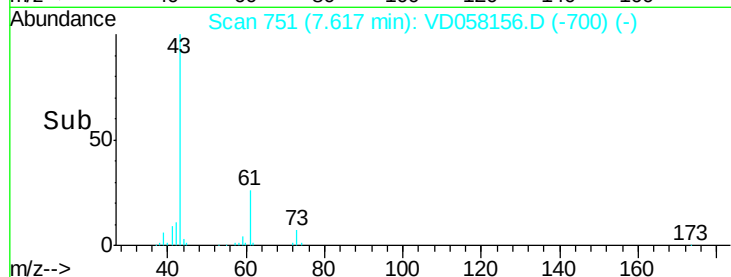
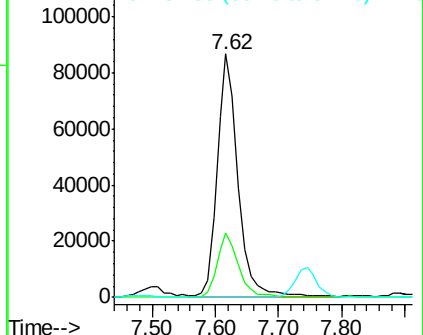
43 100

61 26.3 20.6 30.8

87 0.0 0.2 0.4#



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: 21.851 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD058156.D

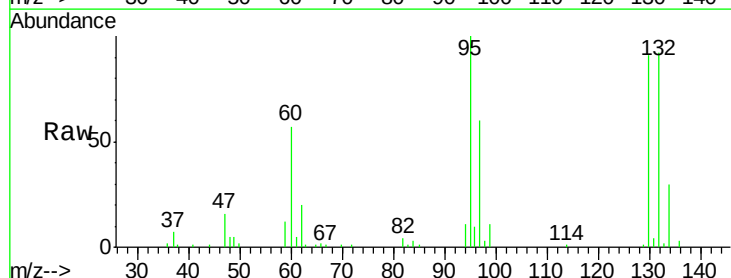
Acq: 15 Jun 2018 17:06

Tgt Ion:130 Resp: 180574

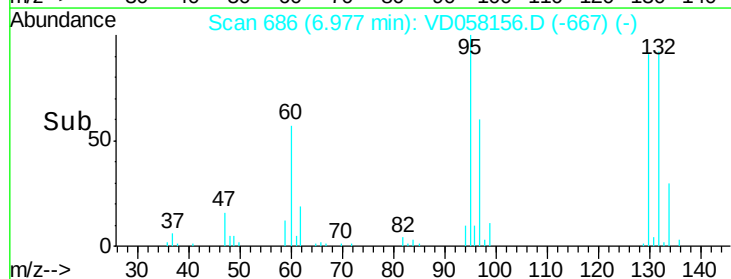
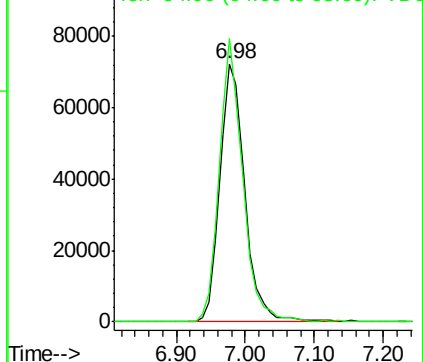
Ion Ratio Lower Upper

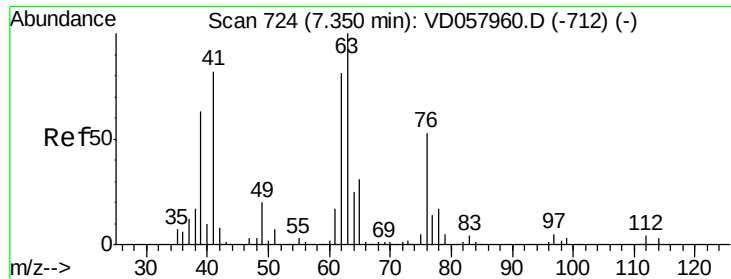
130 100

95 109.5 0.0 207.4



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

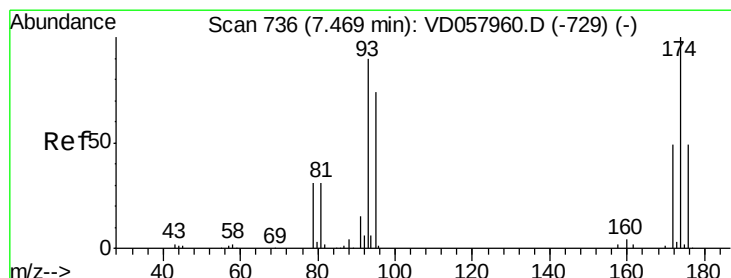
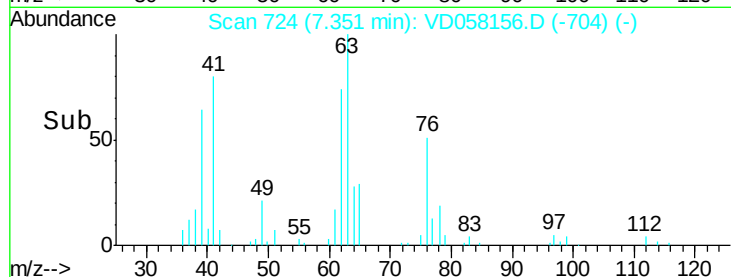
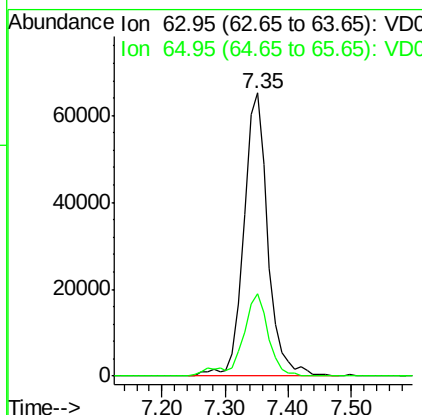
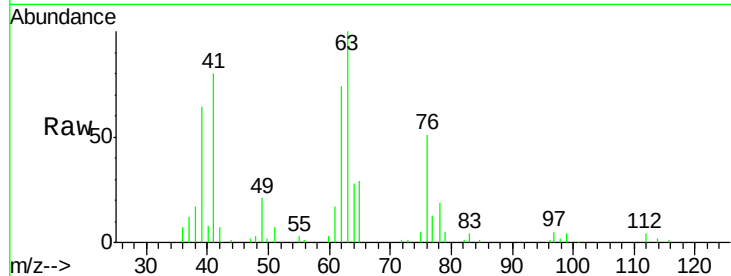




#45
 1,2-Dichloropropane
 Concen: 21.790 ug/l
 RT: 7.35 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

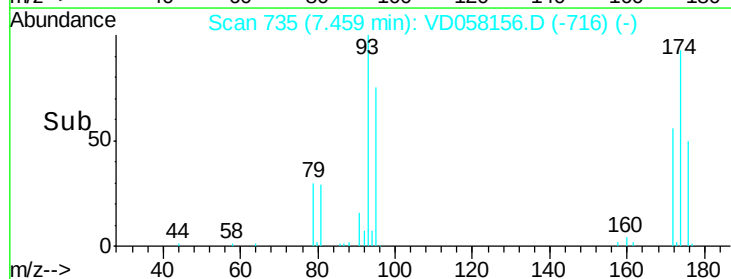
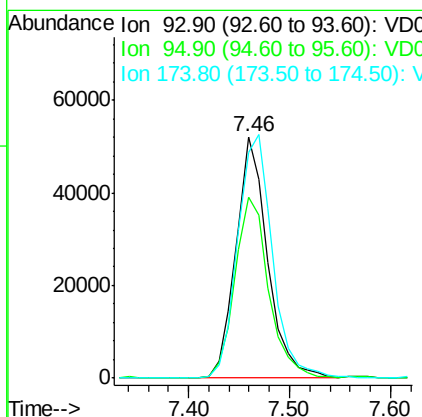
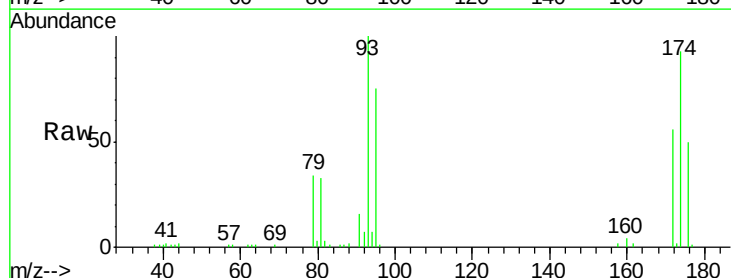
Instrument :
 MSVOA_D
 ClientSampleId :

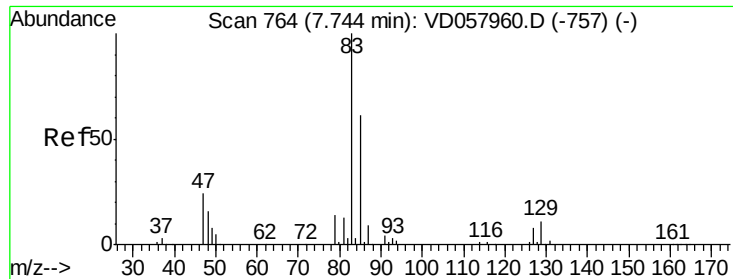
Tot Ion: 63 Resp: 171340
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.9 37.3



#46
 Dibromomethane
 Concen: 22.483 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion: 93 Resp: 113567
 Ion Ratio Lower Upper
 93 100
 95 74.9 65.7 98.5
 174 93.4 89.0 133.4





#47

Bromodichloromethane

Concen: 22.127 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

ClientSampled :

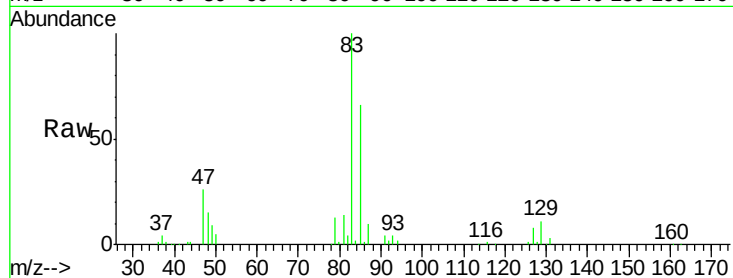
Tot Ion: 83 Resp: 261694

Ion Ratio Lower Upper

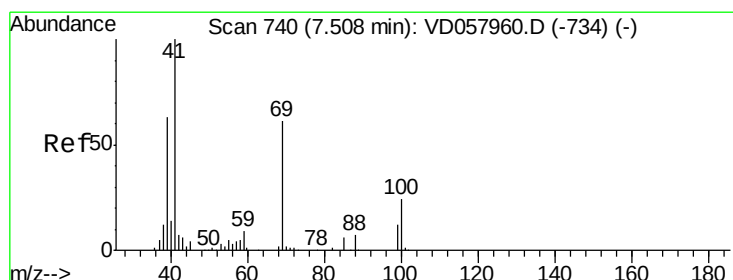
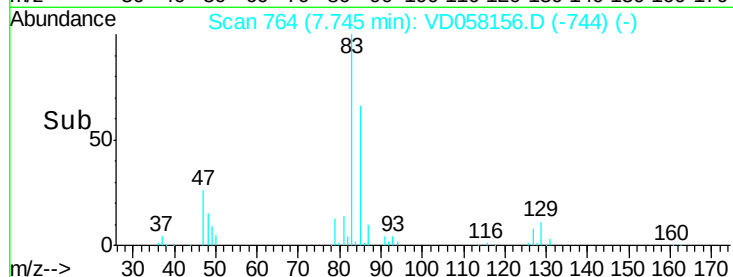
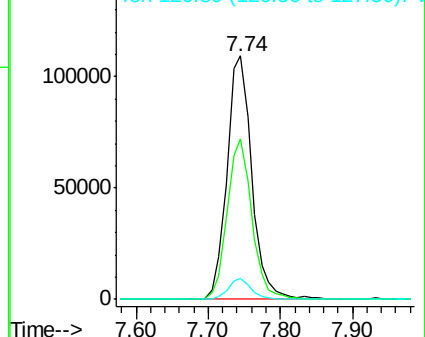
83 100

85 65.9 49.1 73.7

127 8.5 6.2 9.2



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: 21.752 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

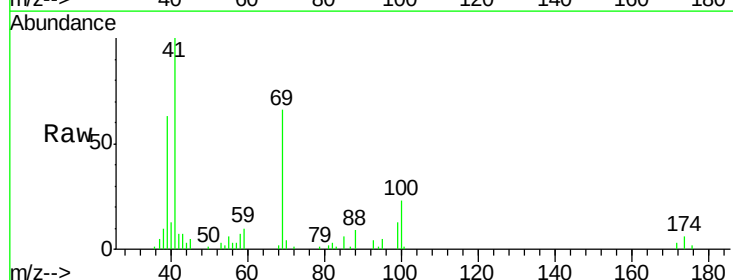
Tgt Ion: 41 Resp: 115885

Ion Ratio Lower Upper

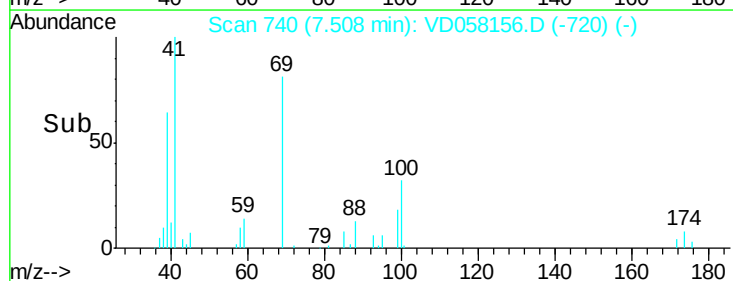
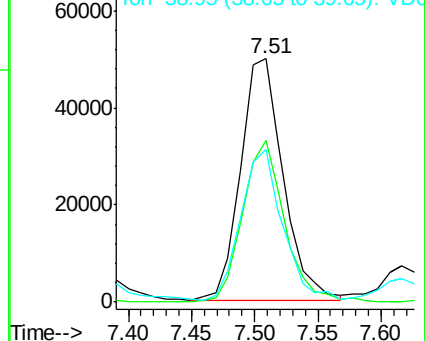
41 100

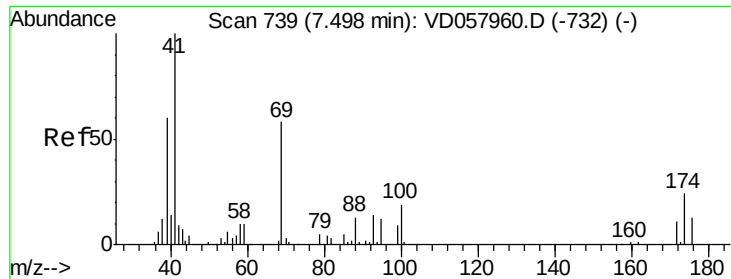
69 66.2 48.0 72.0

39 62.9 50.7 76.1



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: 506.248 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.00 min

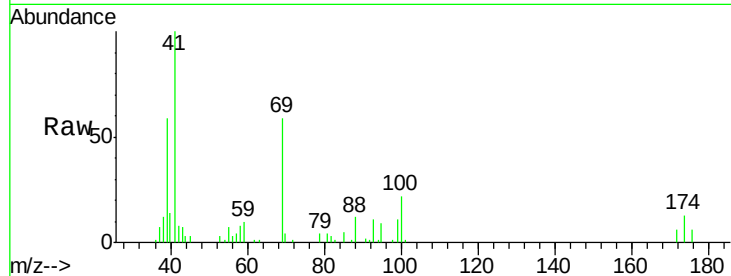
Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 22343

Ion	Ratio	Lower	Upper
88	100		
43	61.2	46.6	69.8
58	65.2	63.6	95.4



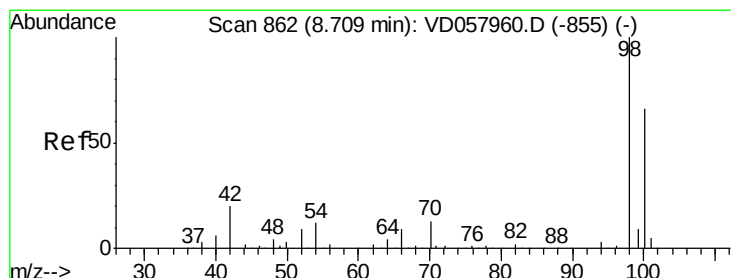
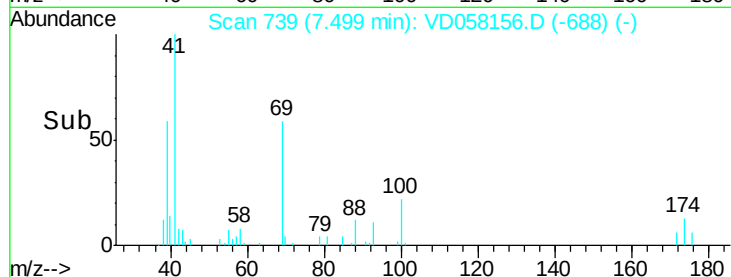
Abundance

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

Time-->



#50

Toluene-d8

Concen: 506.248 ug/l

RT: 8.71 min Scan# 862

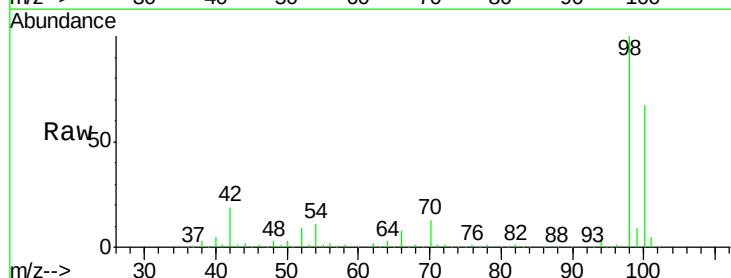
Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Tgt Ion: 98 Resp: 958596

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.0

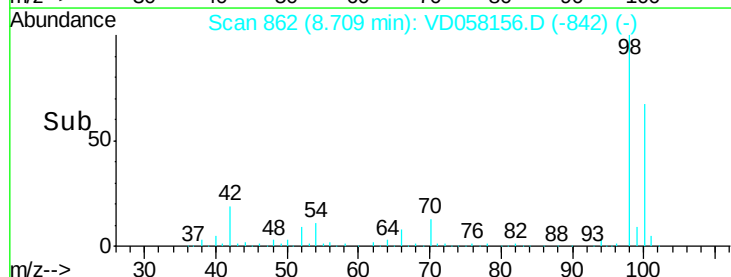


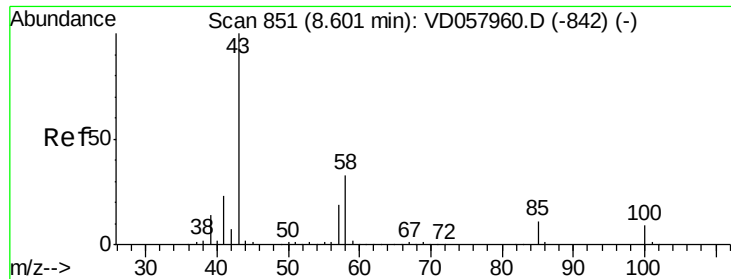
Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

Time-->





#51

4-Methyl-2-Pentanone

Concen: 115.956 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

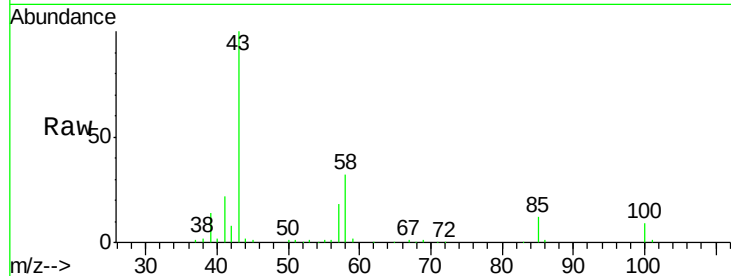
ClientSampleId :

Tot Ion: 43 Resp: 643775

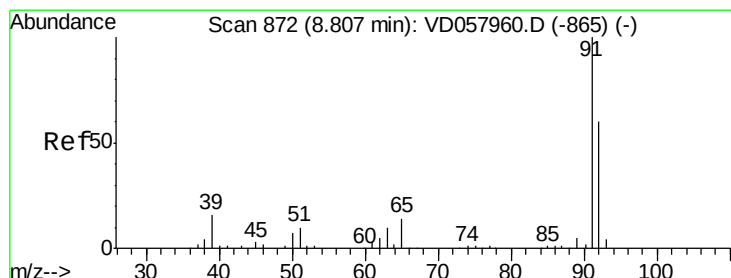
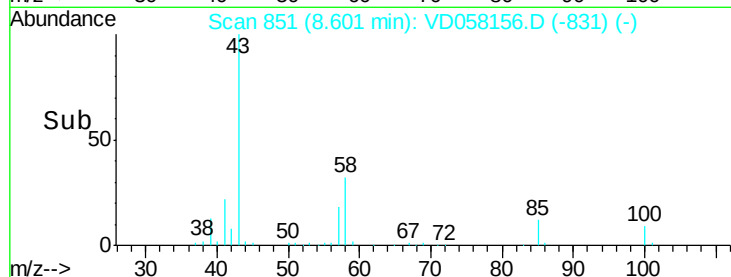
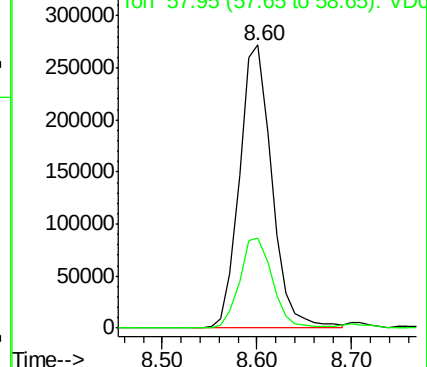
Ion Ratio Lower Upper

43 100

58 31.7 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC



#52

Toluene

Concen: 21.764 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058156.D

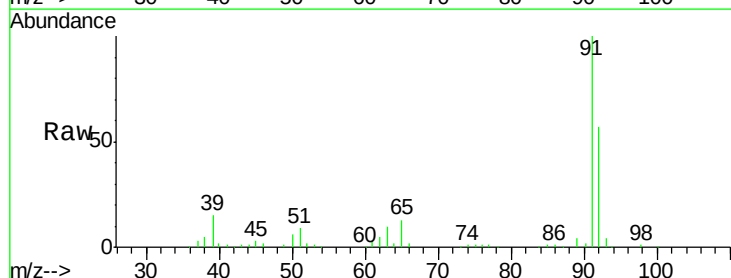
Acq: 15 Jun 2018 17:06

Tgt Ion: 92 Resp: 353380

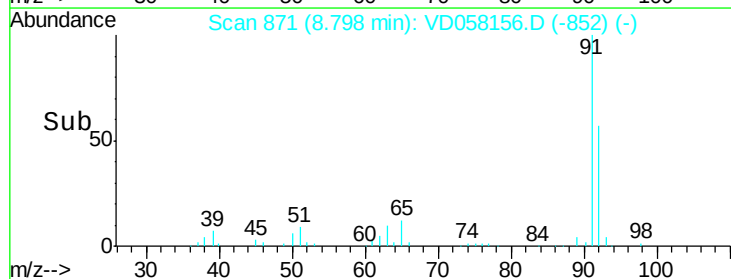
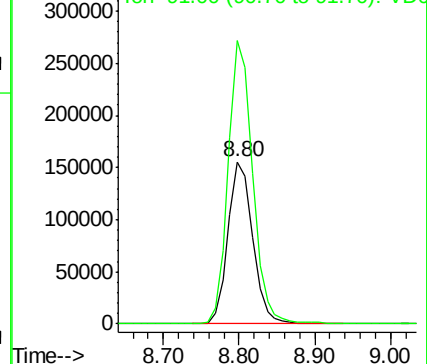
Ion Ratio Lower Upper

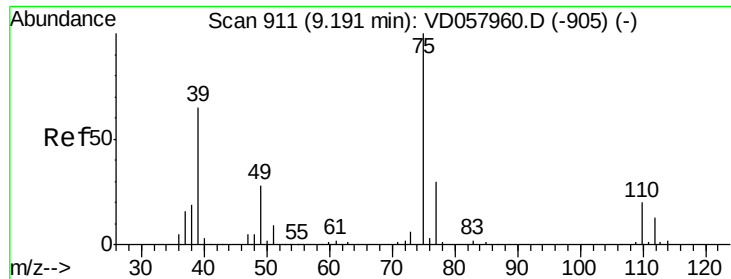
92 100

91 174.3 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

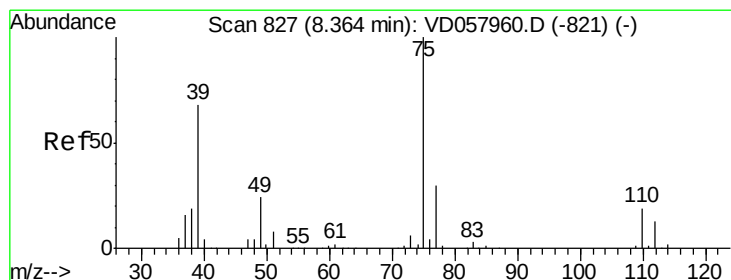
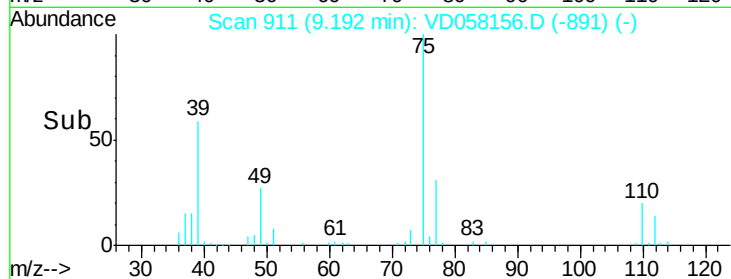
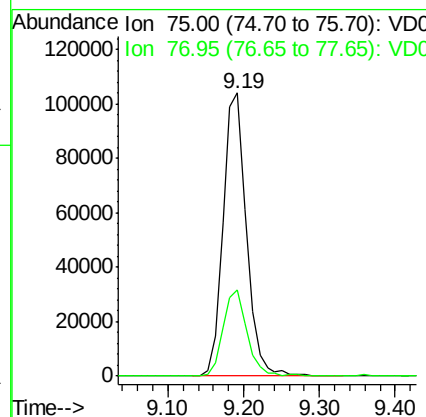
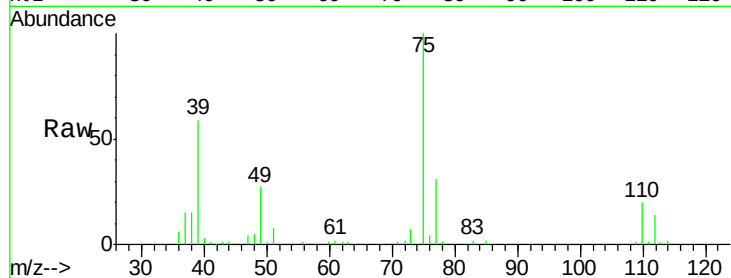




#53
 t-1,3-Dichloropropene
 Concen: 21.928 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

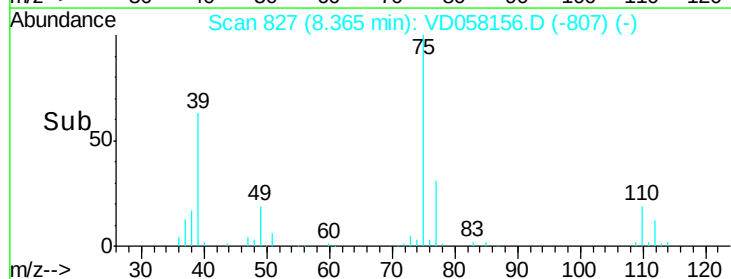
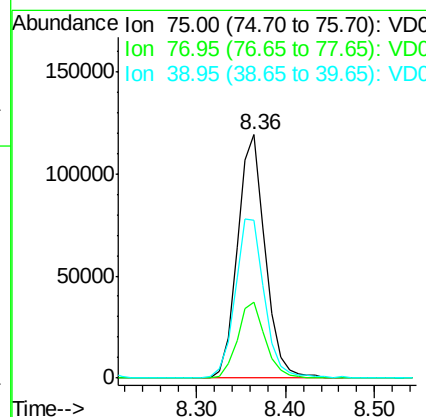
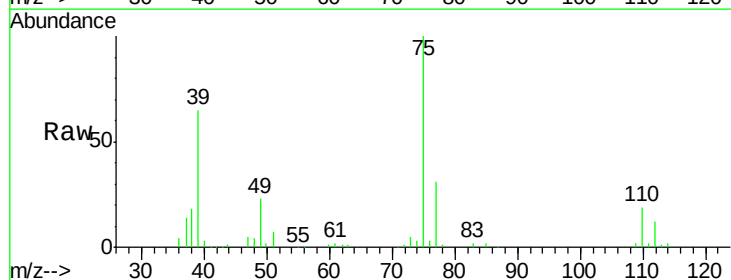
Instrument :
 MSVOA_D
 ClientSampleId :

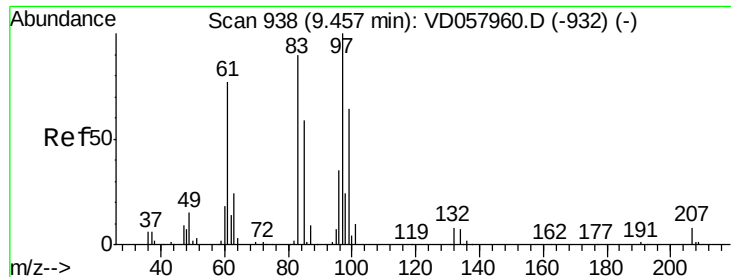
Tot Ion: 75 Resp: 223435
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 21.644 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion: 75 Resp: 259832
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.1 36.1
 39 64.7 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 23.780 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 124964

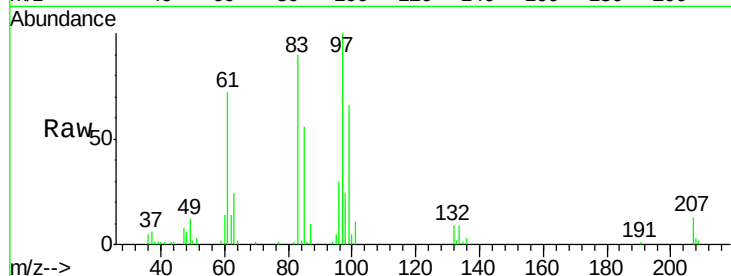
Ion Ratio Lower Upper

97 100

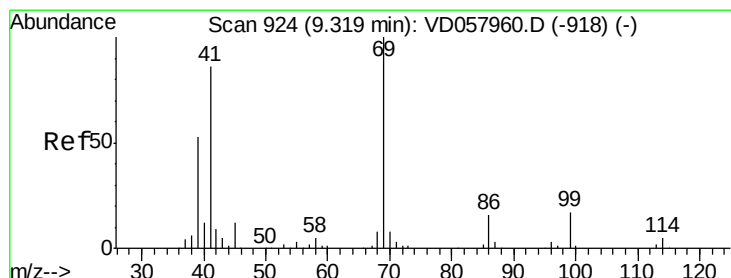
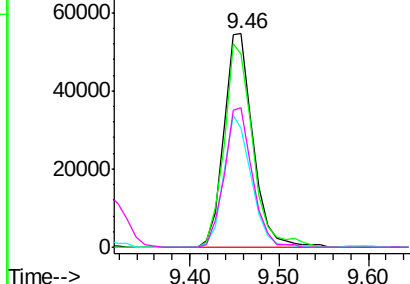
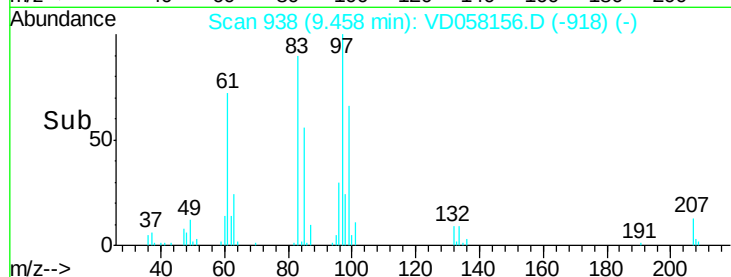
83 90.3 71.8 107.8

85 55.6 47.2 70.8

99 65.5 51.4 77.0



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: 22.086 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

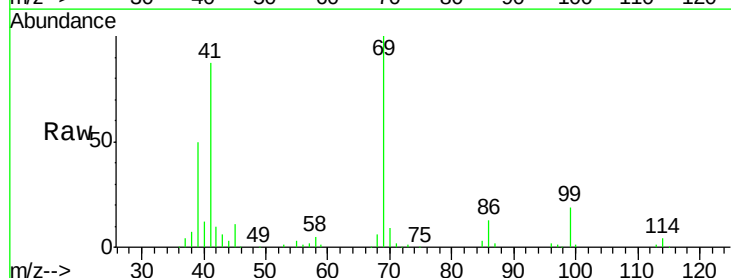
Tgt Ion: 69 Resp: 142367

Ion Ratio Lower Upper

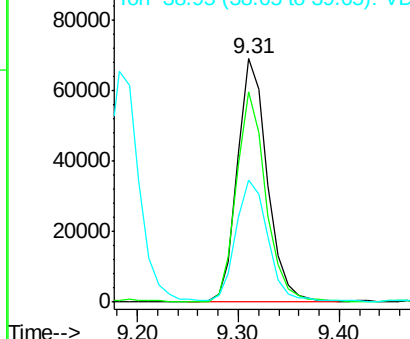
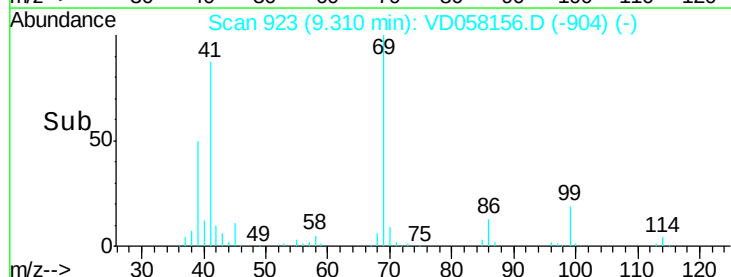
69 100

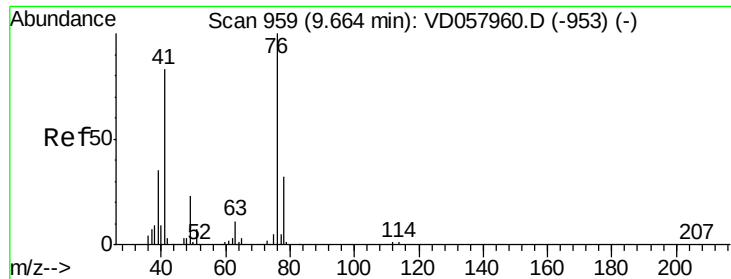
41 86.5 68.4 102.6

39 50.1 43.0 64.4



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

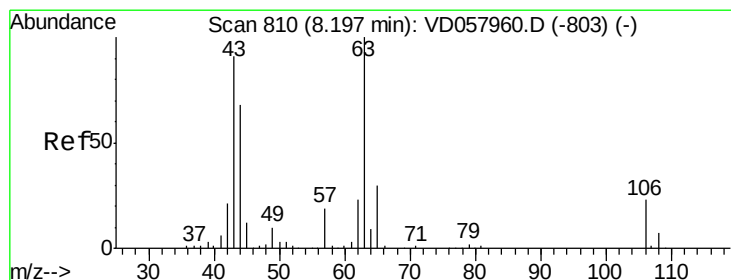
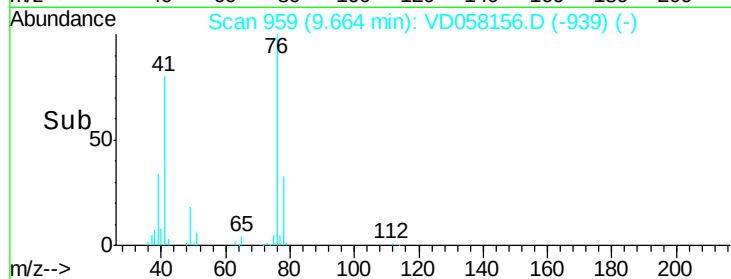
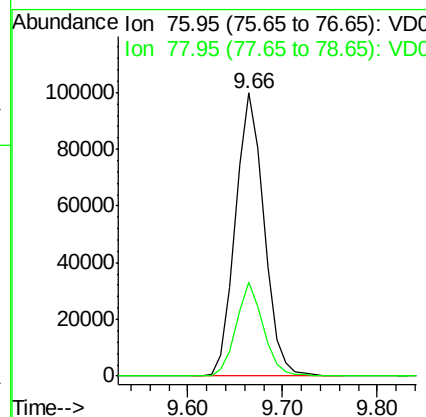
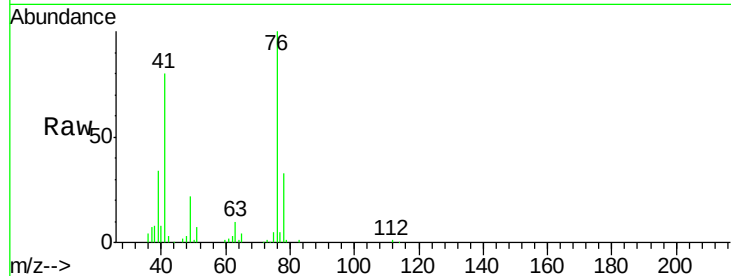




#57
 1,3-Dichloropropane
 Concen: 22.667 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

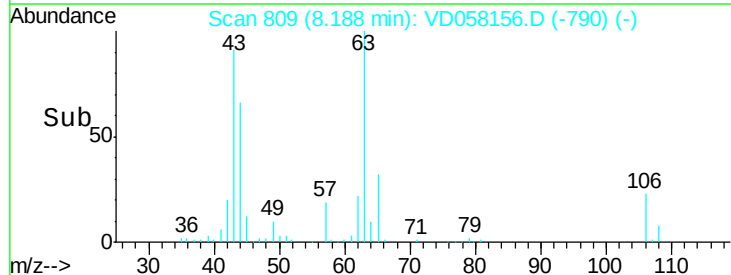
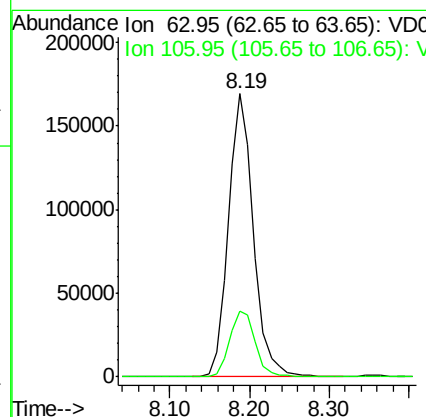
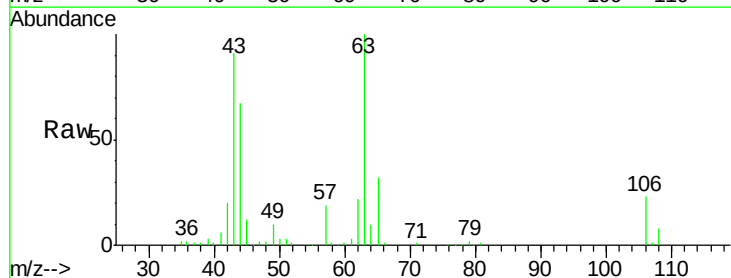
Instrument :
 MSVOA_D
 ClientSampled :

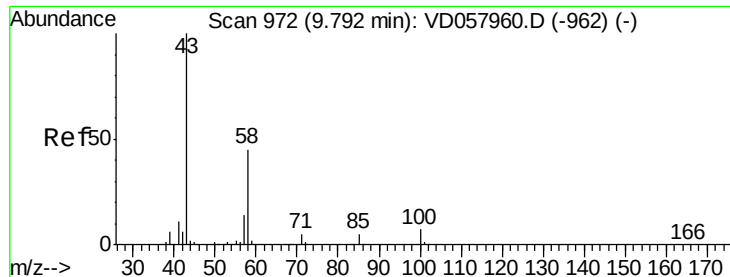
Tot Ion: 76 Resp: 208909
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.909 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion: 63 Resp: 374221
 Ion Ratio Lower Upper
 63 100
 106 23.4 18.7 28.1





#59

2-Hexanone

Concen: 121.076 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

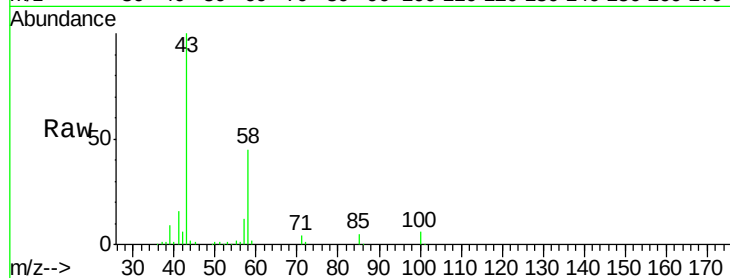
ClientSampled :

Tot Ion: 43 Resp: 492611

Ion Ratio Lower Upper

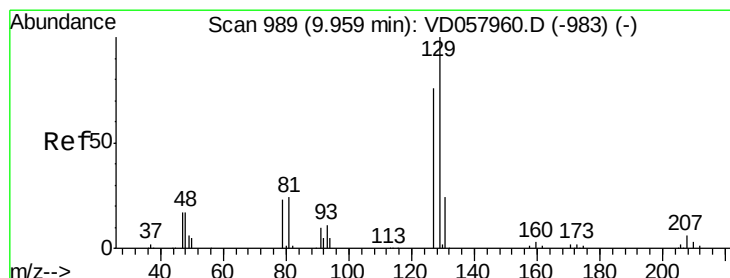
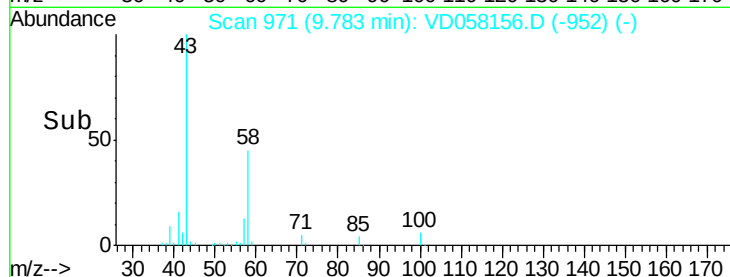
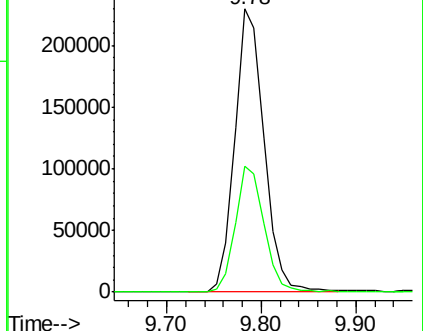
43 100

58 44.6 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 22.611 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD058156.D

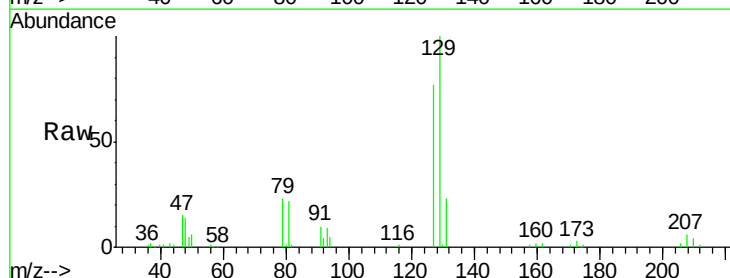
Acq: 15 Jun 2018 17:06

Tgt Ion:129 Resp: 167554

Ion Ratio Lower Upper

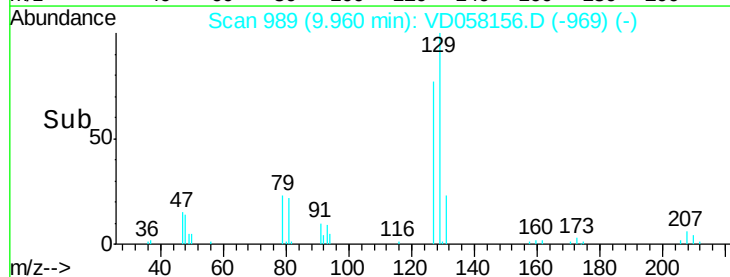
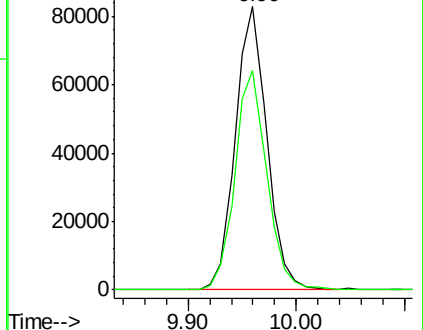
129 100

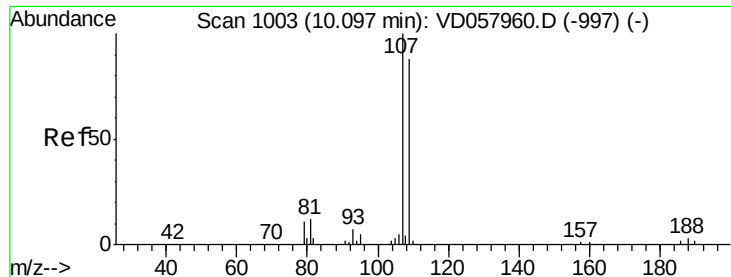
127 77.4 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.216 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

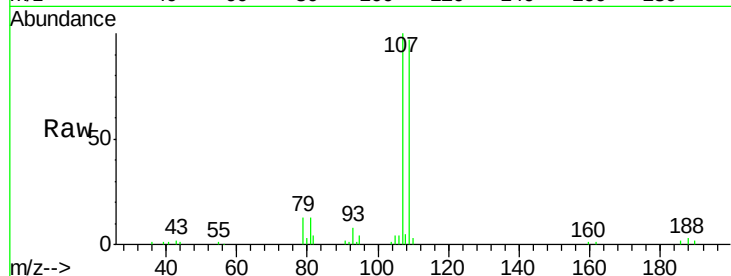
ClientSampleId :

Tot Ion: 107 Resp: 134256

Ion Ratio Lower Upper

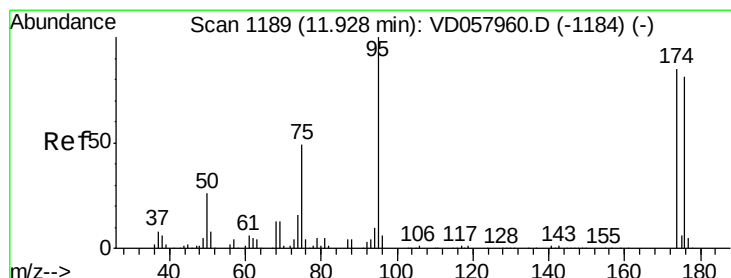
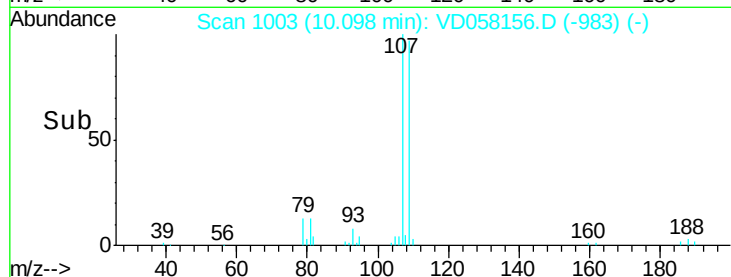
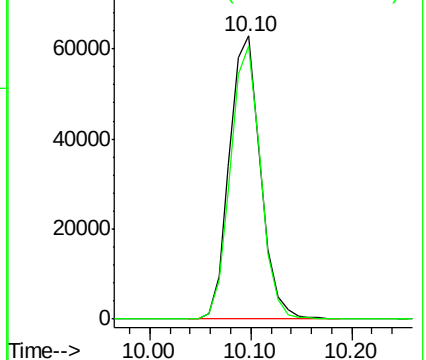
107 100

109 96.6 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.216 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

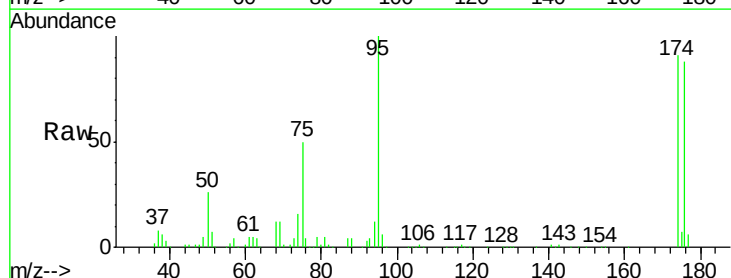
Tgt Ion: 95 Resp: 419228

Ion Ratio Lower Upper

95 100

174 90.7 0.0 169.4

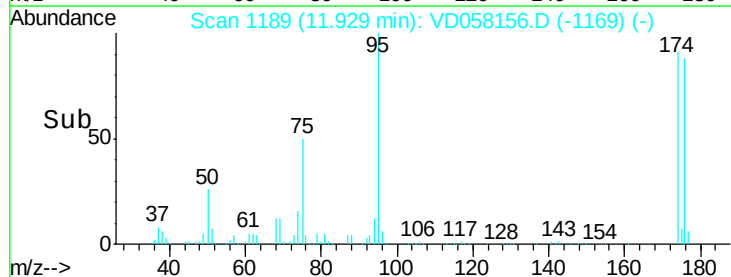
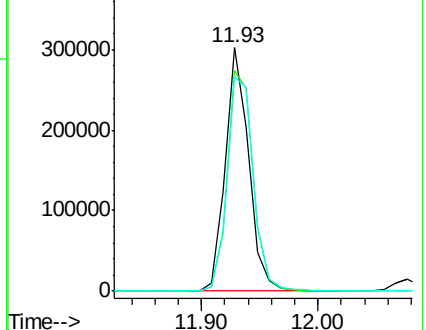
176 87.9 0.0 162.6

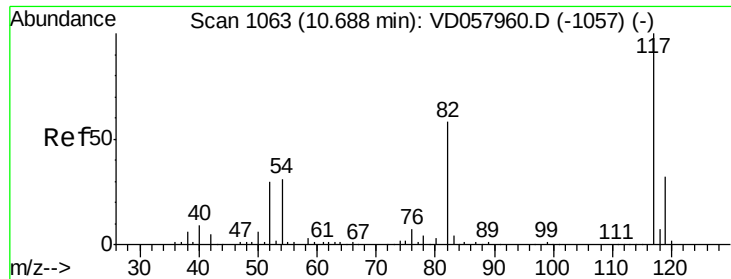


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

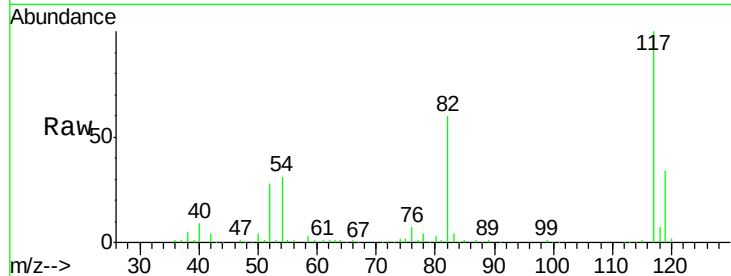




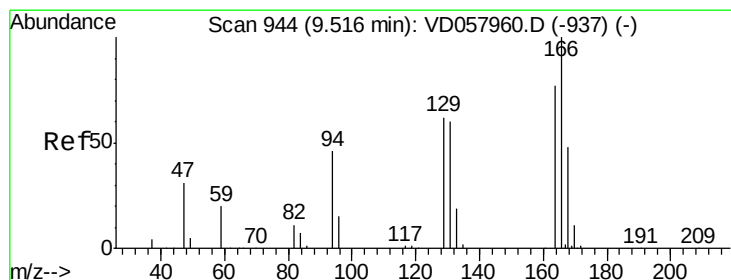
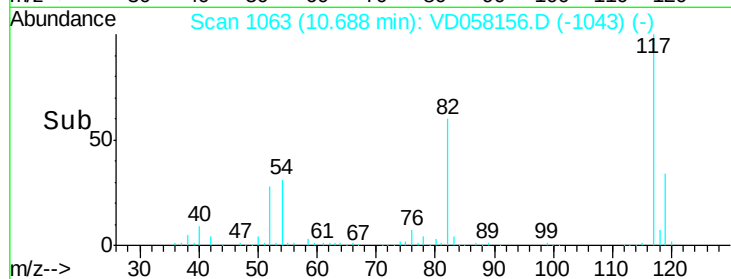
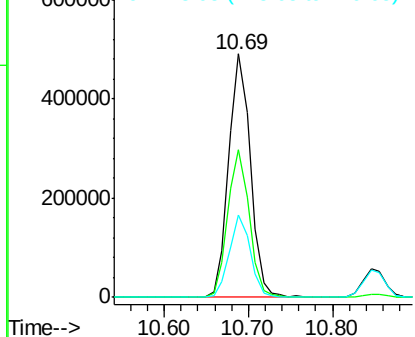
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 884365
Ion Ratio Lower Upper
117 100
82 60.4 46.8 70.2
119 34.1 25.8 38.6

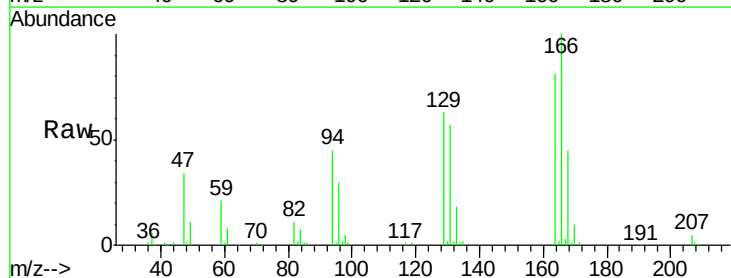


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

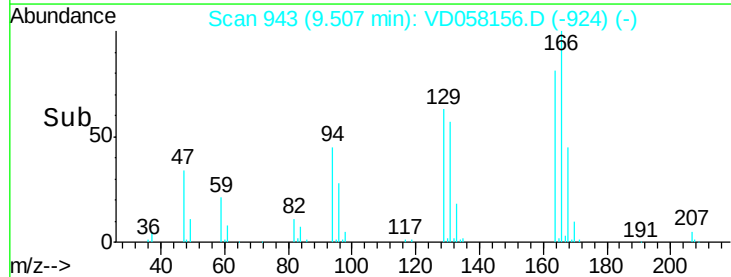
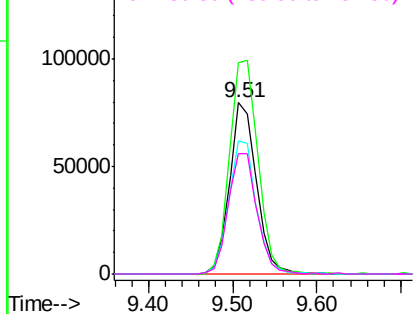


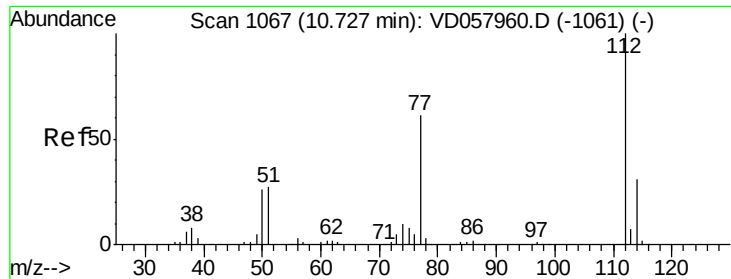
#64
Tetrachloroethene
Concen: 22.389 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion:164 Resp: 177010
Ion Ratio Lower Upper
164 100
166 123.1 104.4 156.6
129 78.0 65.0 97.6
131 70.5 62.9 94.3



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

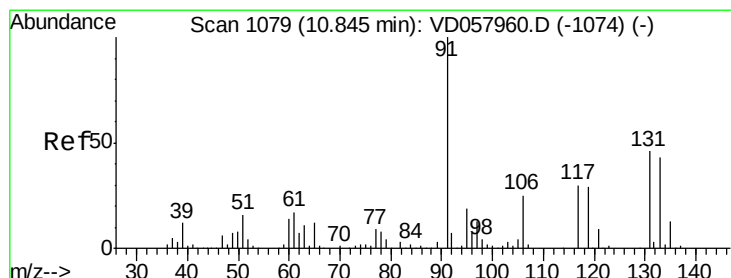
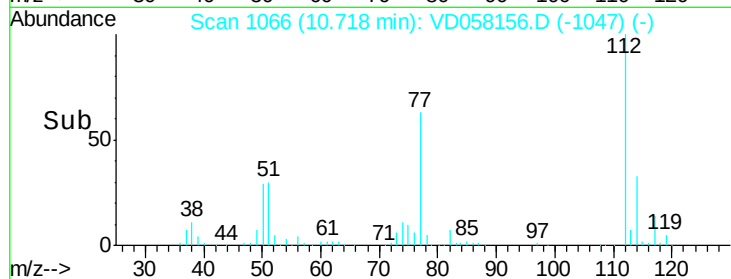
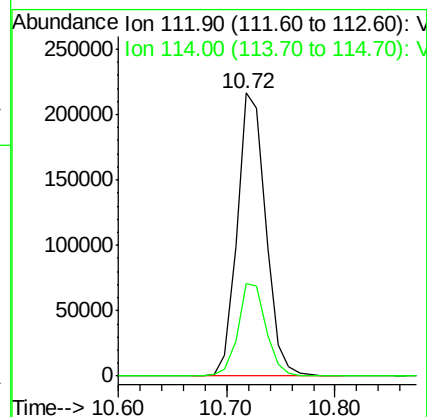
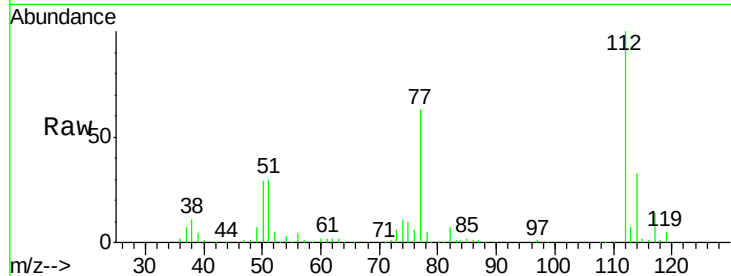




#65
Chlorobenzene
Concen: 22.122 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

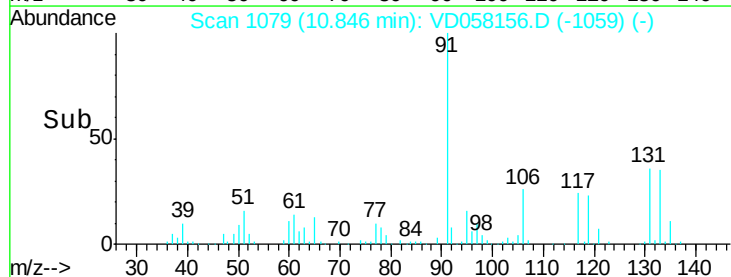
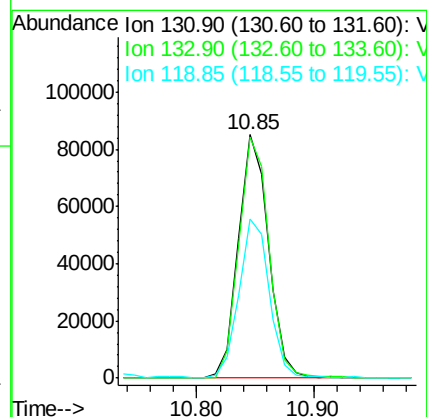
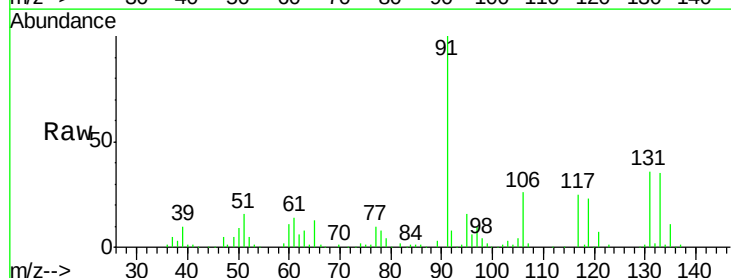
Instrument :
MSVOA_D
ClientSampleId :

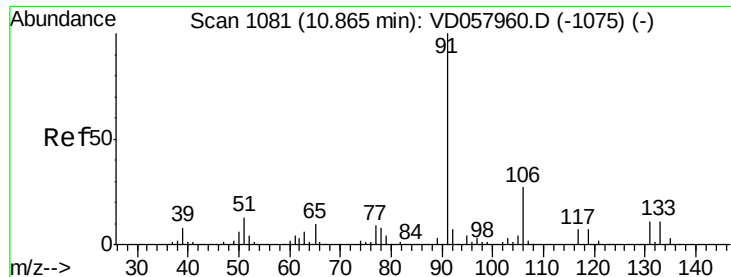
Tot Ion:112 Resp: 396060
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.141 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion:131 Resp: 152295
Ion Ratio Lower Upper
131 100
133 98.8 46.9 140.6
119 65.2 31.8 95.3

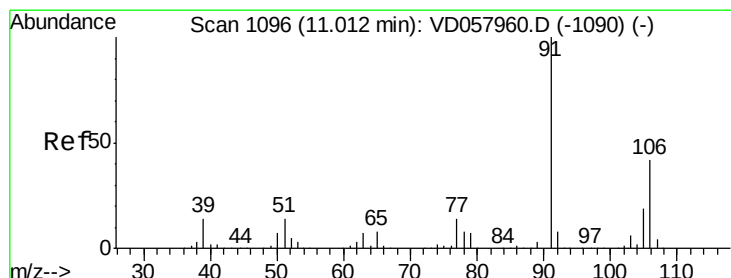
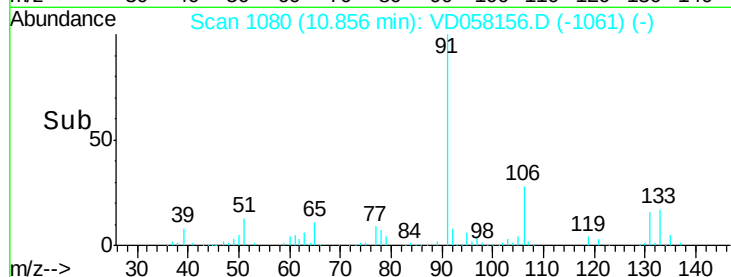
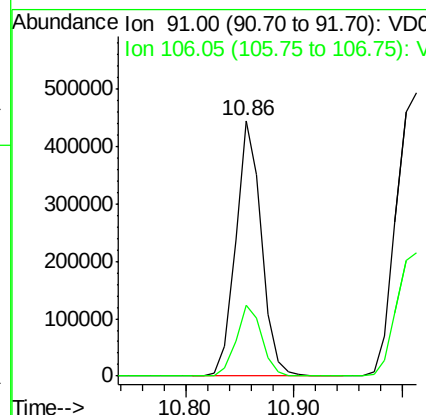
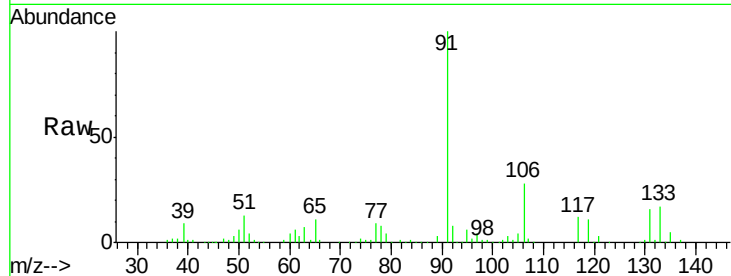




#67
Ethyl Benzene
Concen: 22.692 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

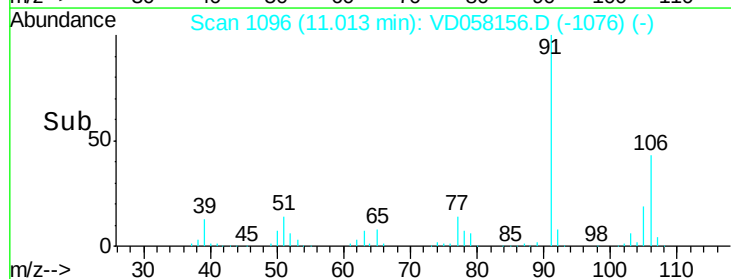
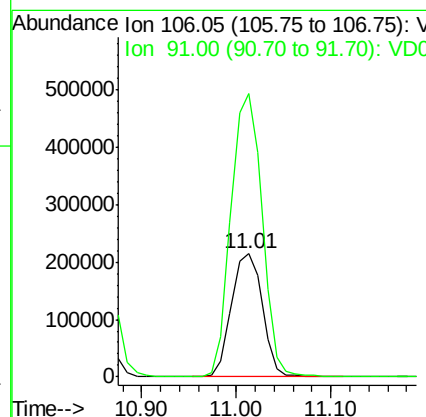
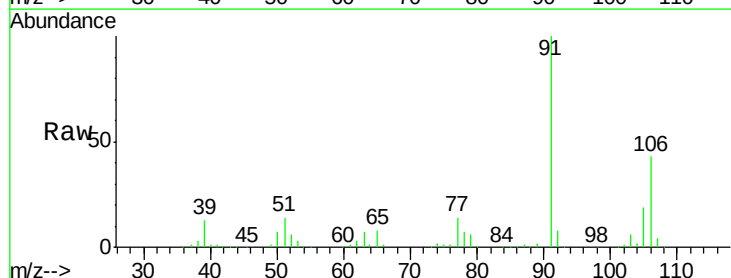
Instrument :
MSVOA_D
ClientSampleID :

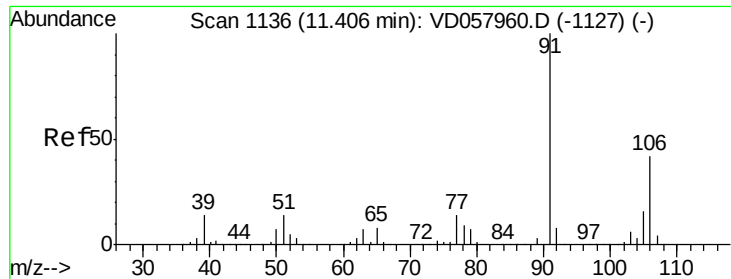
Tot Ion: 91 Resp: 733979
Ion Ratio Lower Upper
91 100
106 28.0 21.5 32.3



#68
m/p-Xylenes
Concen: 46.141 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion: 106 Resp: 486526
Ion Ratio Lower Upper
106 100
91 230.2 190.4 285.6

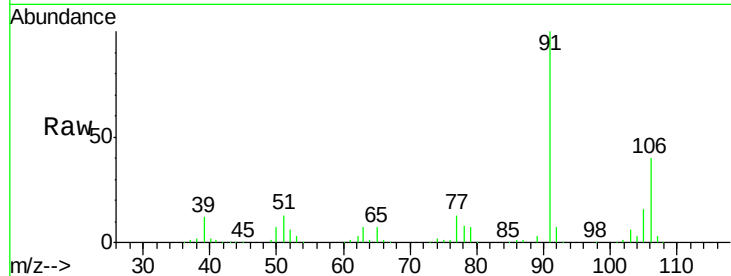




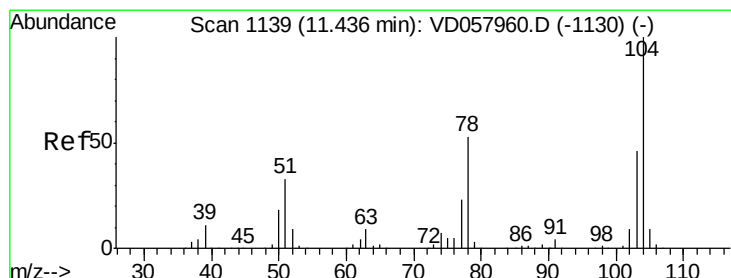
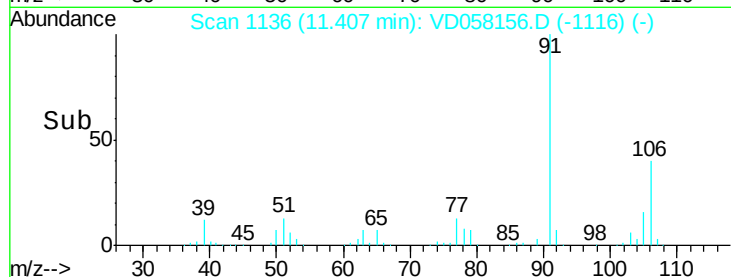
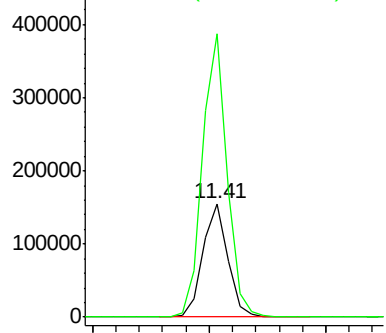
#69
o-Xylene
Concen: 22.042 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 230700
Ion Ratio Lower Upper
106 100
91 249.1 120.6 361.7

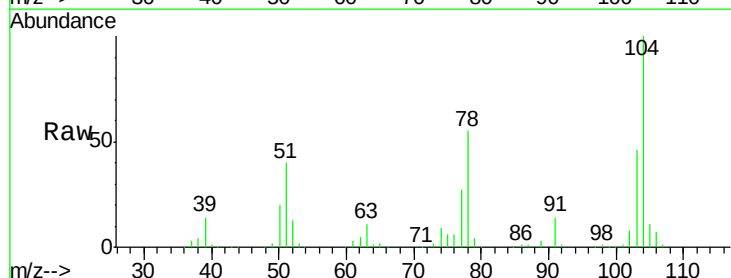


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

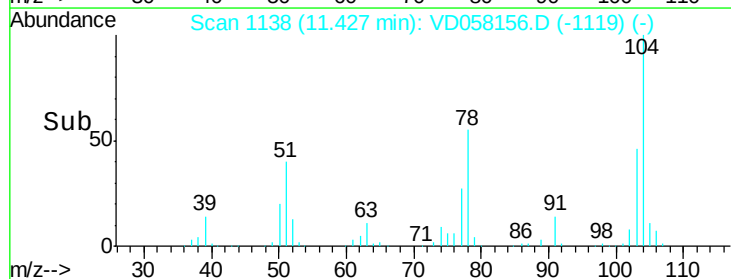
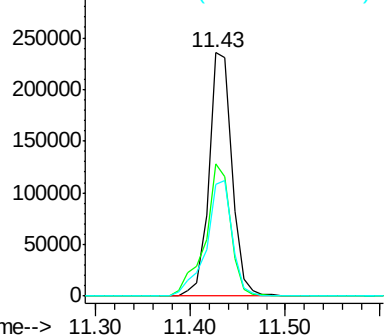


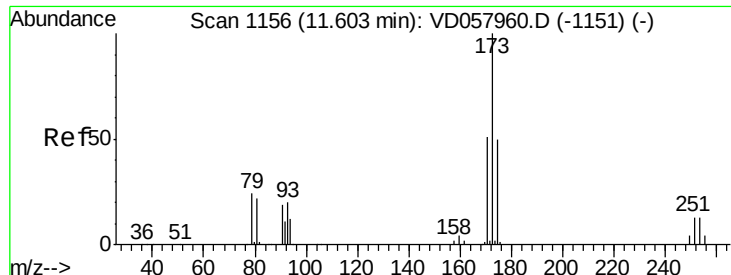
#70
Styrene
Concen: 22.987 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion:104 Resp: 398279
Ion Ratio Lower Upper
104 100
78 54.5 42.1 63.1
103 45.9 37.0 55.6



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

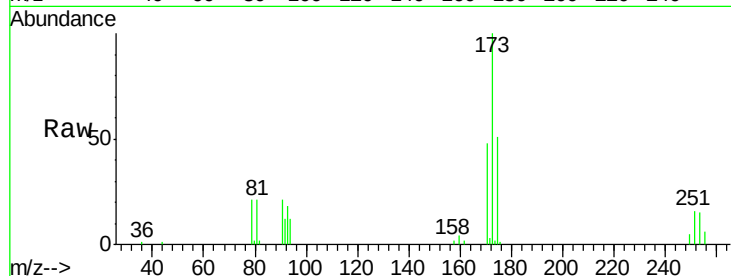




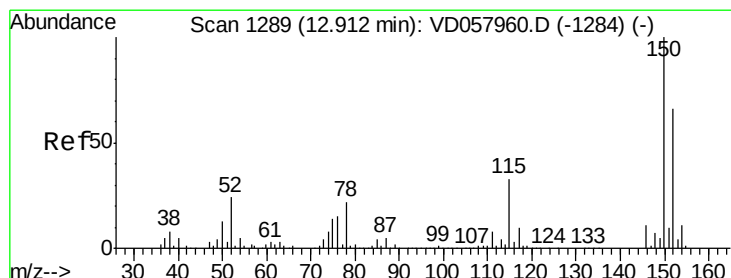
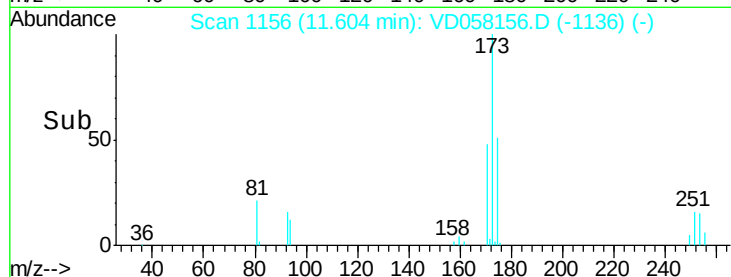
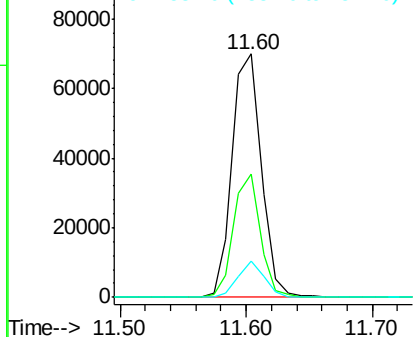
#71
Bromoform
Concen: 21.555 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 111534
Ion Ratio Lower Upper
173 100
175 50.8 25.1 75.2
254 14.7 10.7 16.1

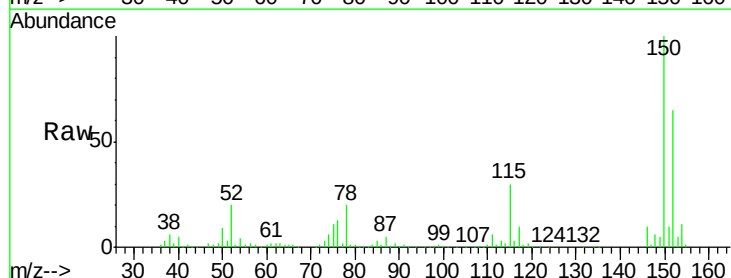


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

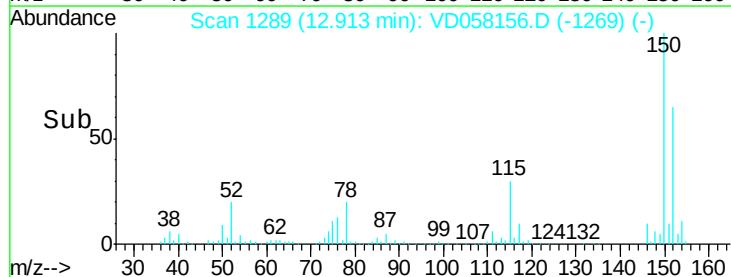
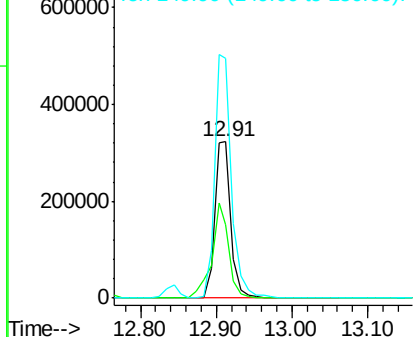


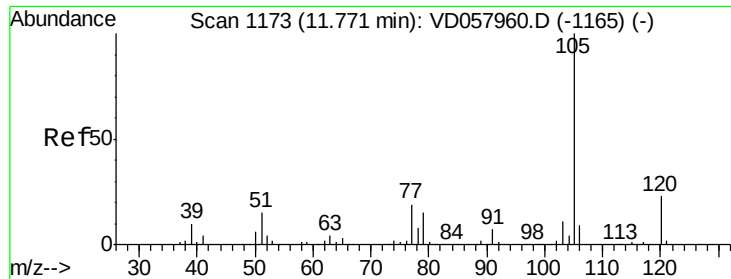
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion:152 Resp: 487375
Ion Ratio Lower Upper
152 100
115 46.6 25.6 76.6
150 153.3 0.0 306.8



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





#73

Isopropylbenzene

Concen: 20.254 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

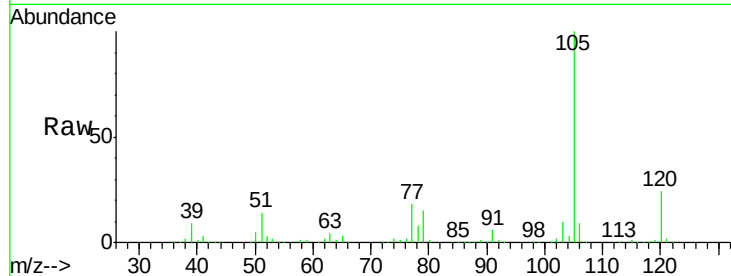
ClientSampleId :

Tot Ion:105 Resp: 653825

Ion Ratio Lower Upper

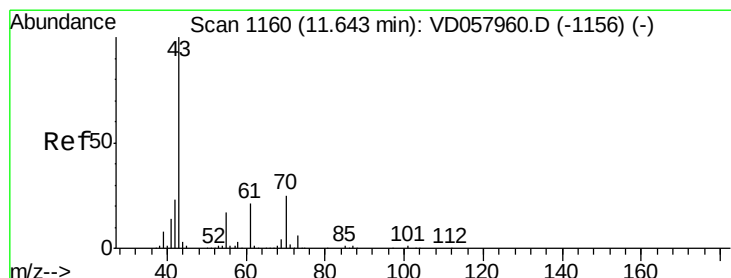
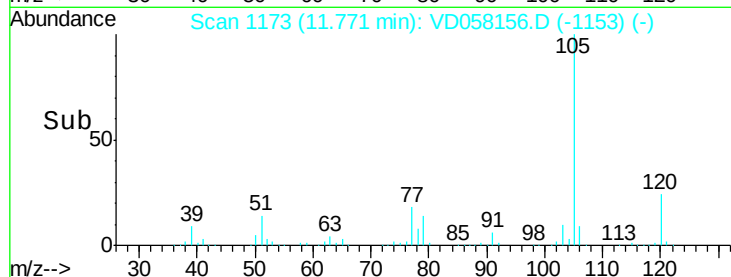
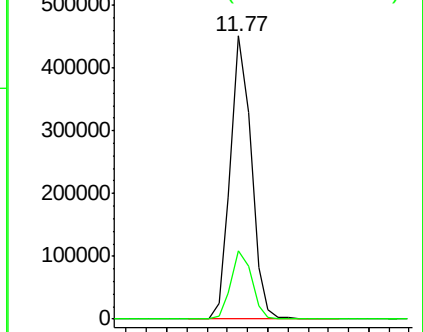
105 100

120 23.9 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.124 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Tgt Ion: 43 Resp: 250672

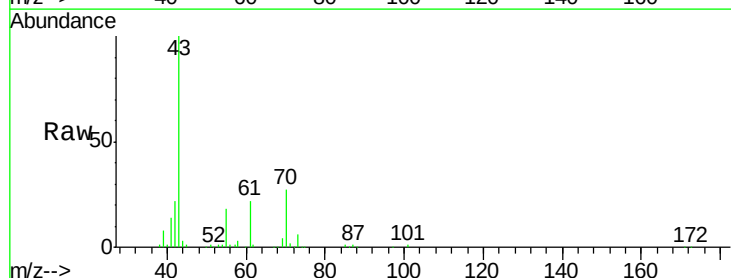
Ion Ratio Lower Upper

43 100

70 27.3 20.3 30.5

55 17.6 13.9 20.9

61 22.4 16.6 24.8

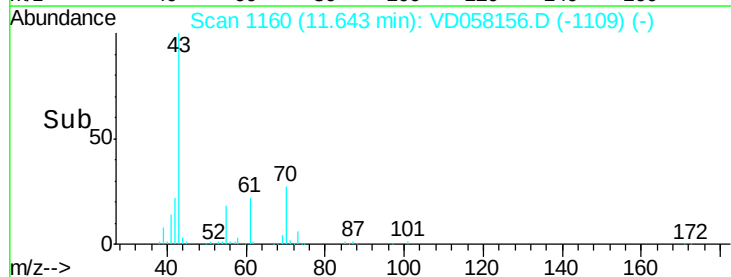
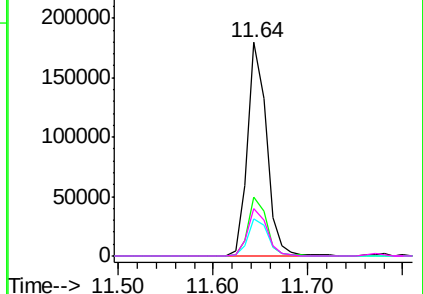


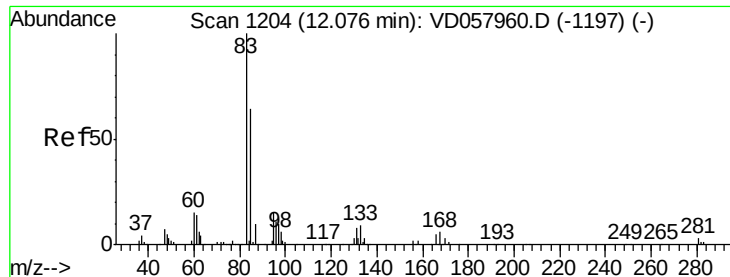
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.176 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

ClientSampled :

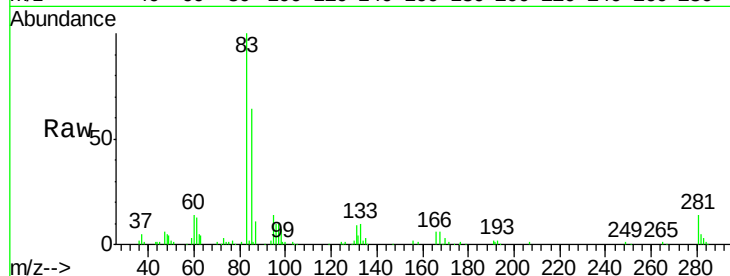
Tot Ion: 83 Resp: 149038

Ion Ratio Lower Upper

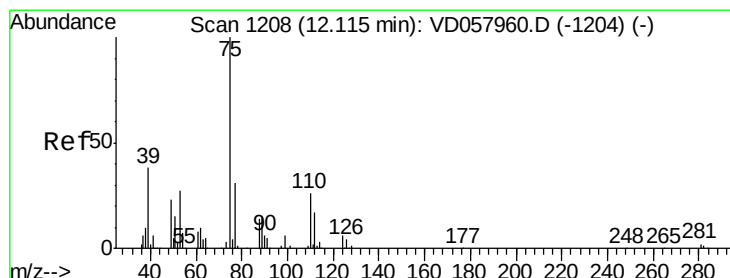
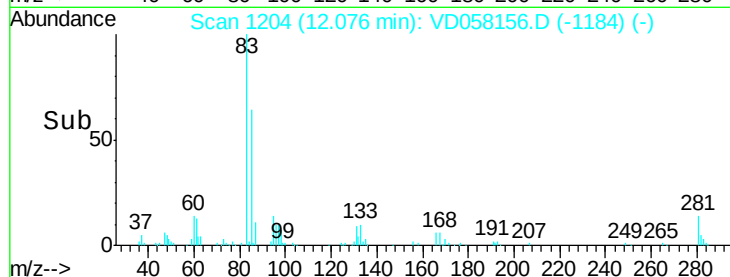
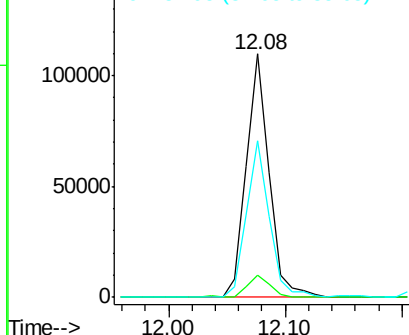
83 100

131 8.9 4.2 12.6

85 64.4 31.9 95.5



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: 21.284 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058156.D

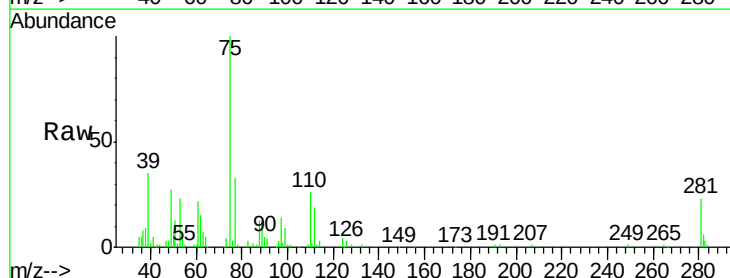
Acq: 15 Jun 2018 17:06

Tgt Ion: 75 Resp: 155825

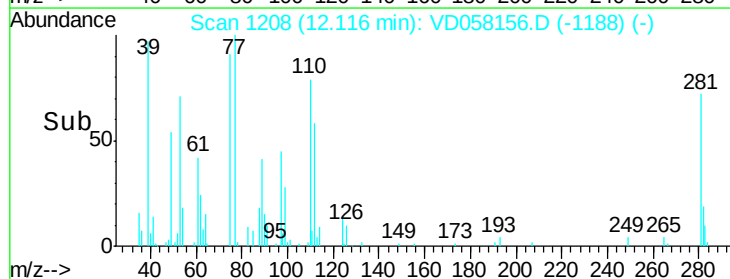
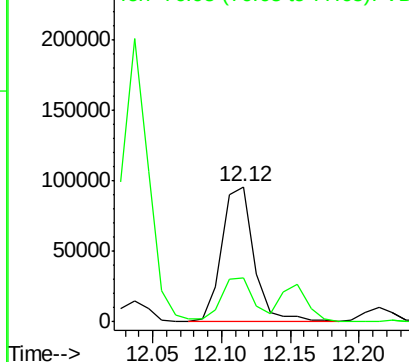
Ion Ratio Lower Upper

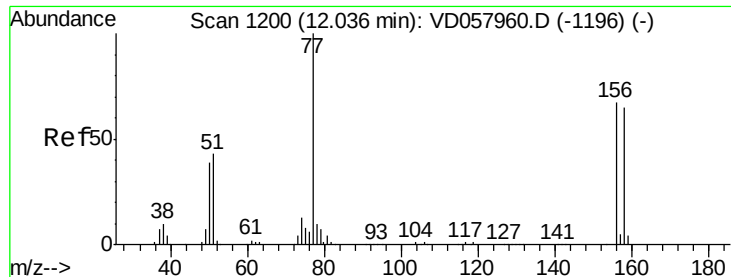
75 100

77 32.9 16.7 50.1



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

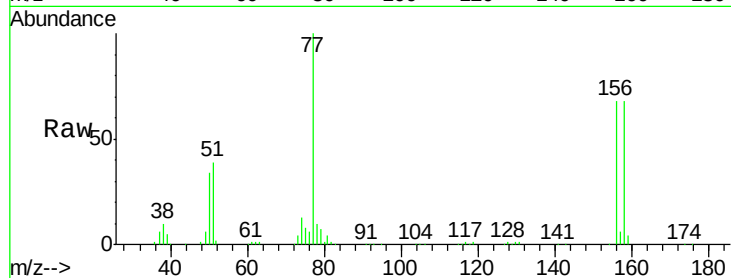




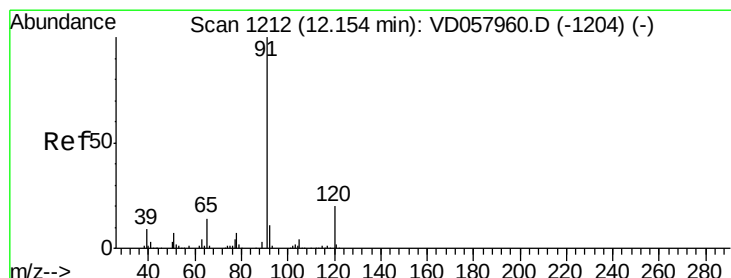
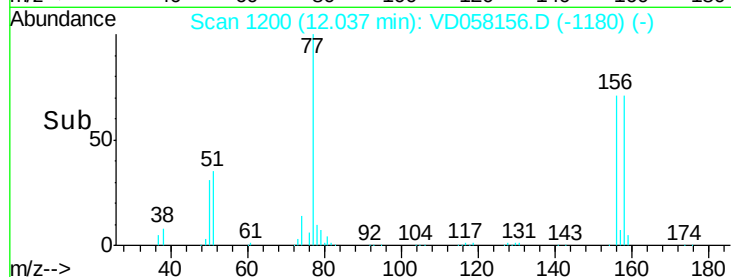
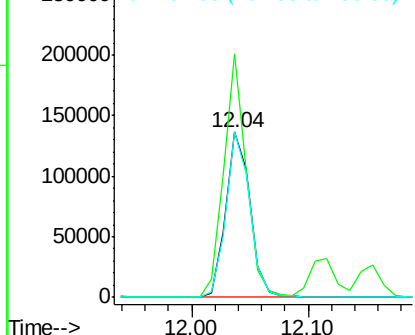
#77
Bromobenzene
Concen: 20.551 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 196371
Ion Ratio Lower Upper
156 100
77 147.4 75.0 224.8
158 100.0 48.6 145.9

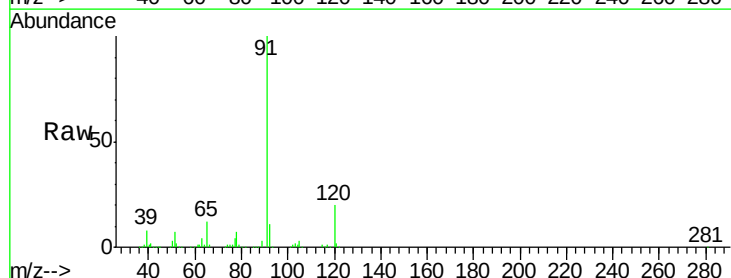


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

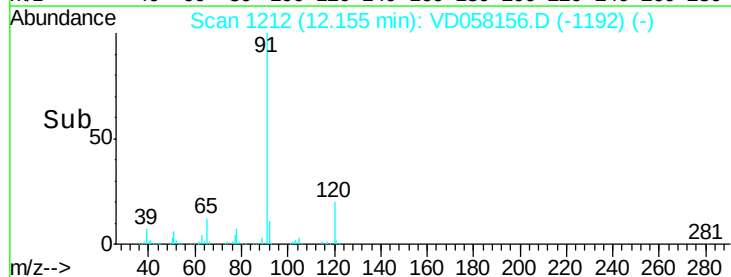
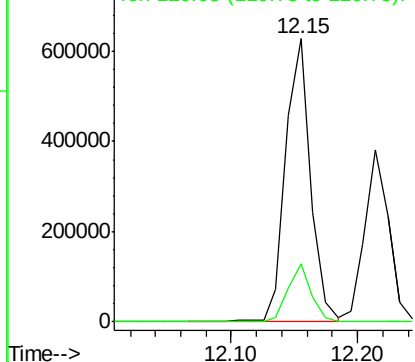


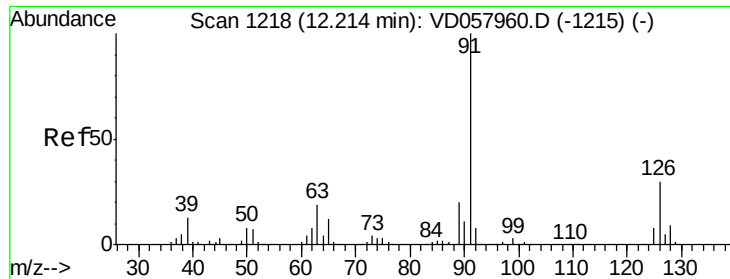
#78
n-propylbenzene
Concen: 20.633 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion: 91 Resp: 866703
Ion Ratio Lower Upper
91 100
120 20.5 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

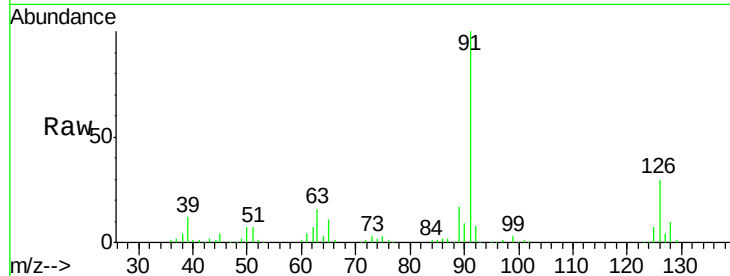




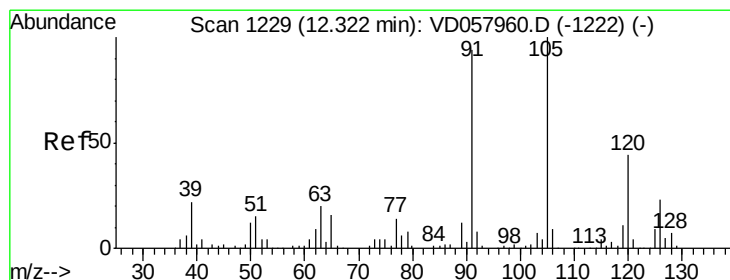
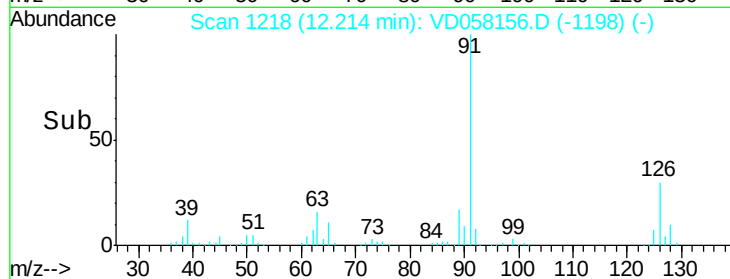
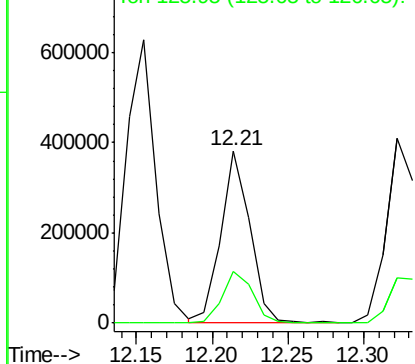
#79
 2-Chlorotoluene
 Concen: 21.145 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 506720
 Ion Ratio Lower Upper
 91 100
 126 30.0 14.6 44.0

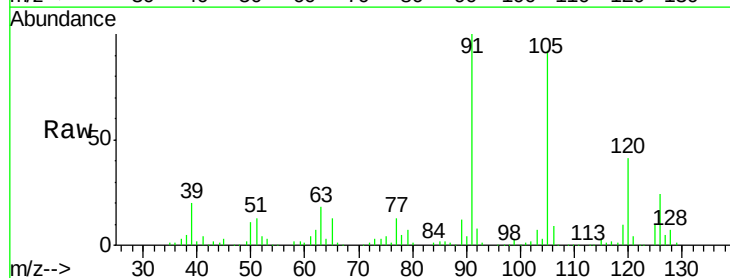


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

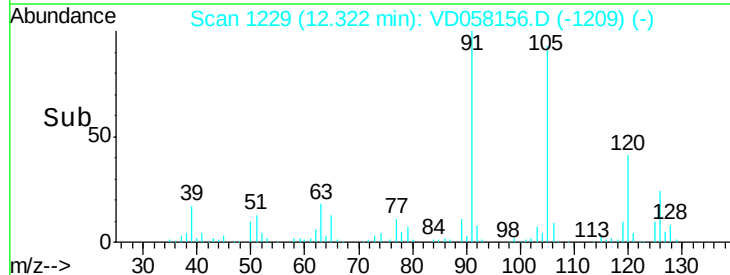
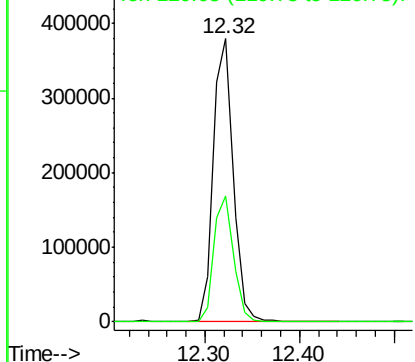


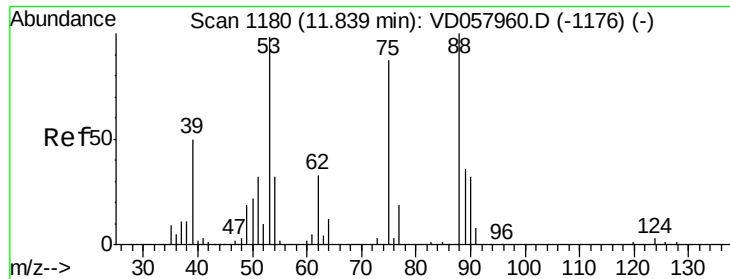
#80
 1,3,5-Trimethylbenzene
 Concen: 22.093 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion: 105 Resp: 556195
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.0 66.0



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

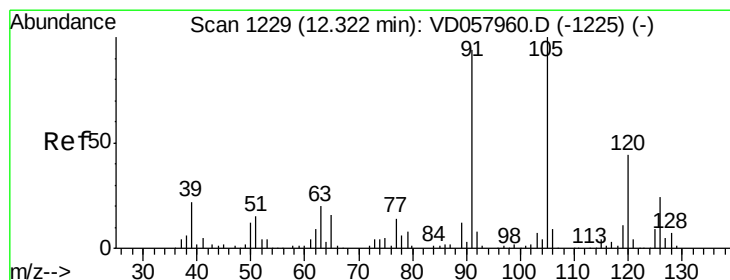
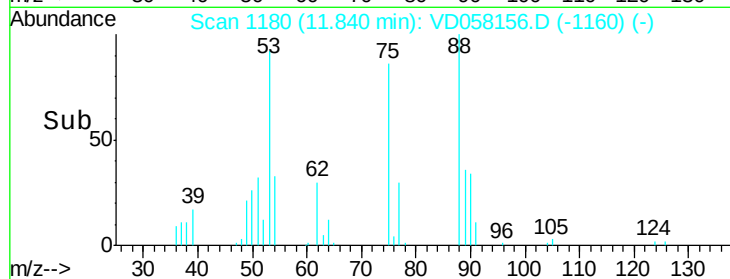
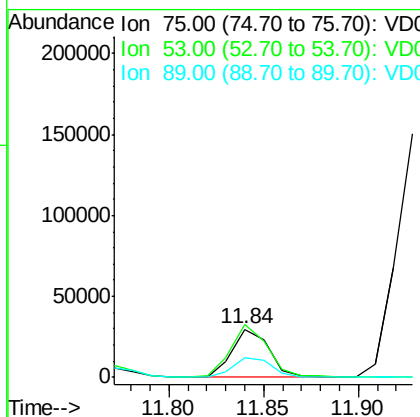
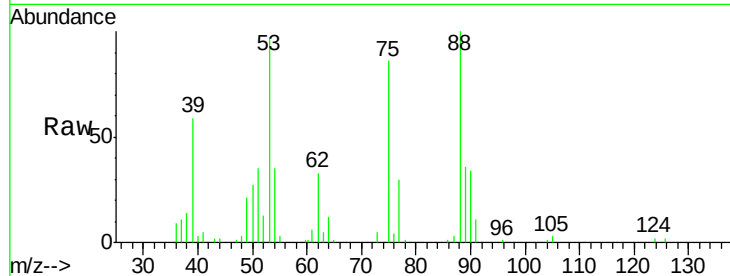




#81
trans-1,4-Dichloro-2-butene
Concen: 22.108 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

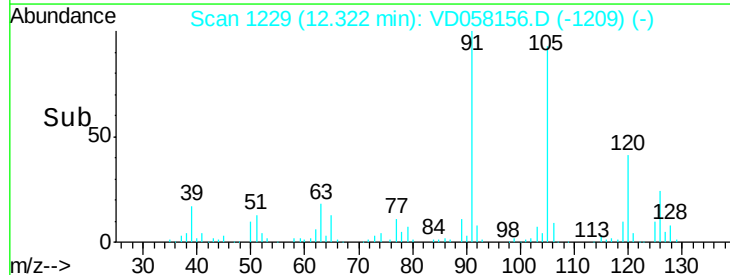
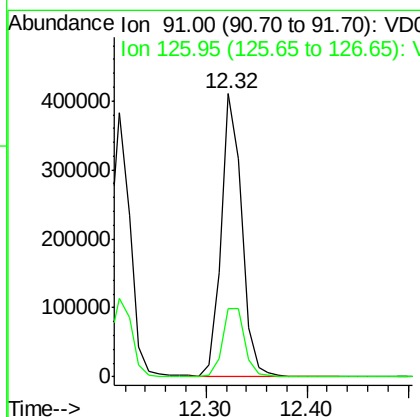
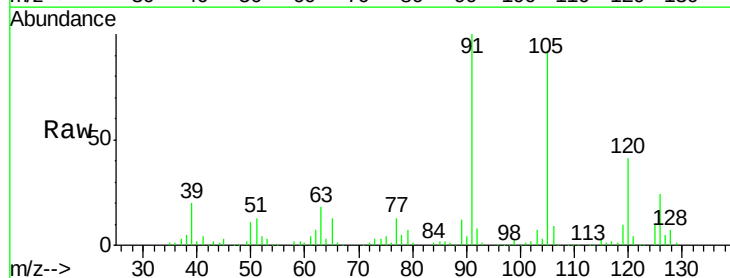
Instrument :
MSVOA_D
ClientSampleId :

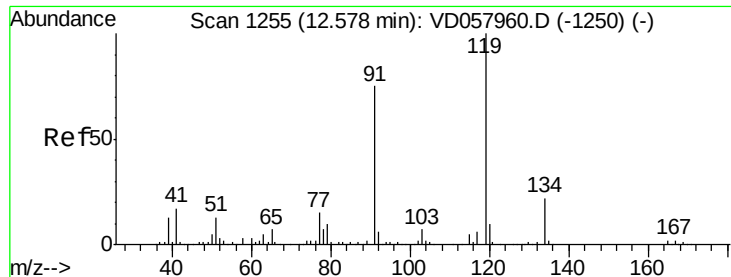
Tot Ion: 75 Resp: 40089
Ion Ratio Lower Upper
75 100
53 112.1 89.3 133.9
89 41.6 33.3 49.9



#82
4-Chlorotoluene
Concen: 23.329 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion: 91 Resp: 583255
Ion Ratio Lower Upper
91 100
126 24.3 12.5 37.5

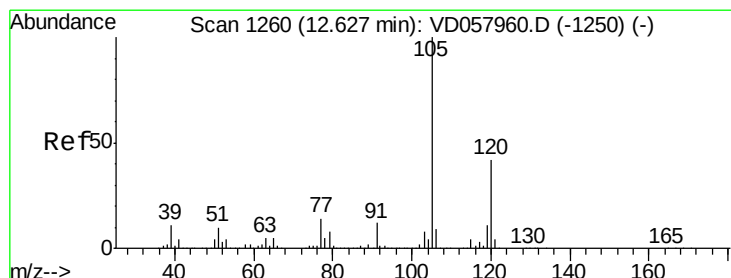
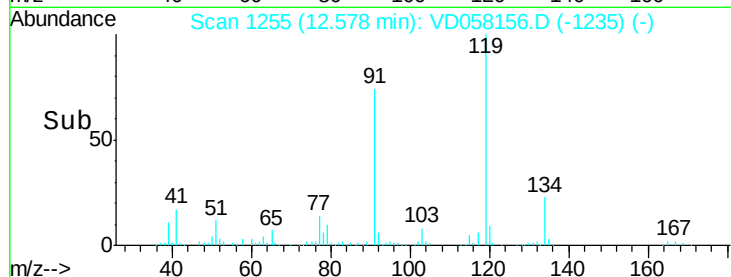
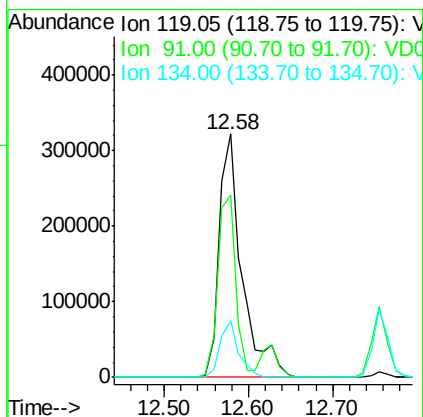
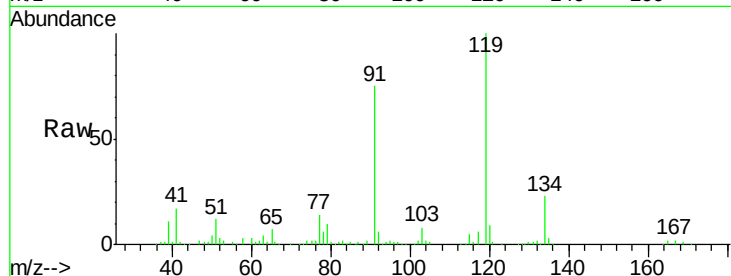




#83
 tert-Butylbenzene
 Concen: 21.269 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

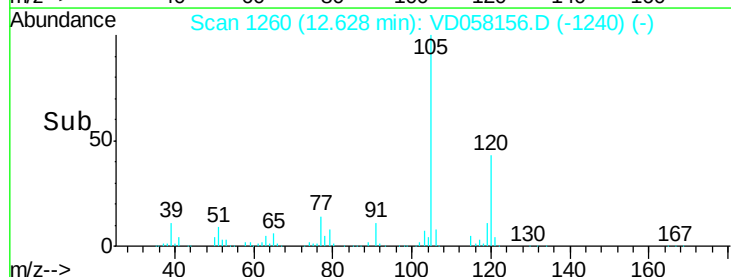
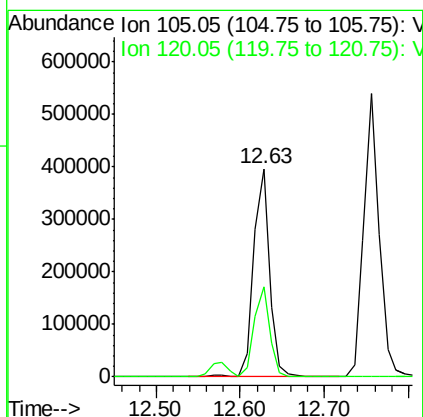
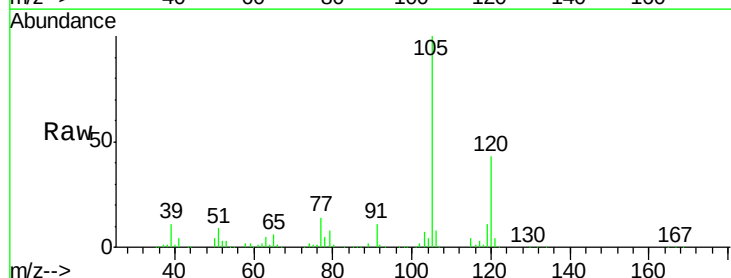
Instrument :
 MSVOA_D
 ClientSampleId :

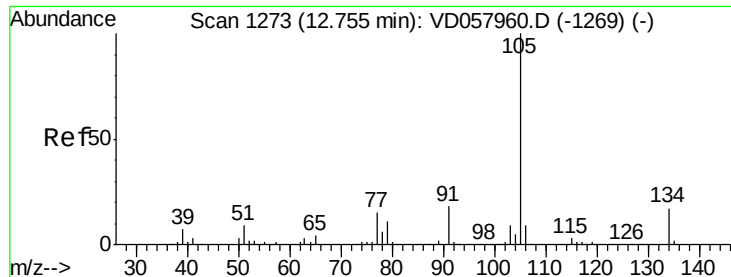
Tot Ion:119 Resp: 604612
 Ion Ratio Lower Upper
 119 100
 91 74.9 37.6 112.9
 134 23.4 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.526 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion:105 Resp: 528548
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.2 63.6

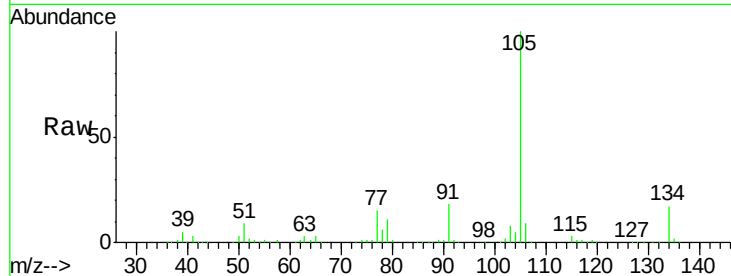




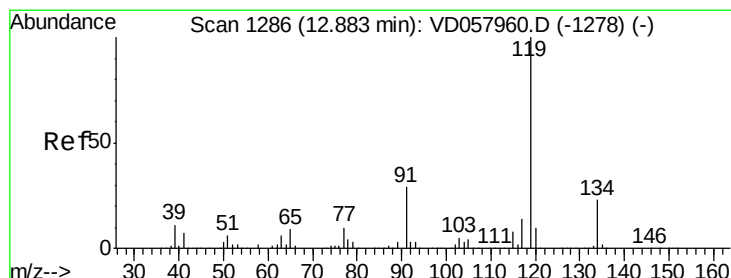
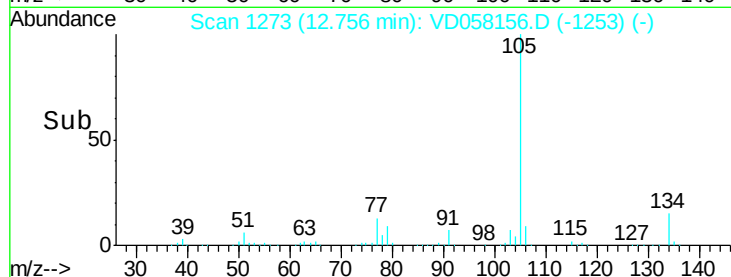
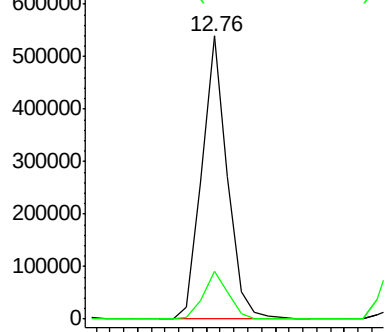
#85
 sec-Butylbenzene
 Concen: 20.001 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 686167
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.3 25.1

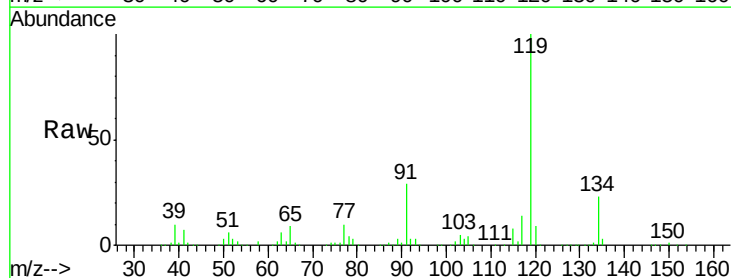


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

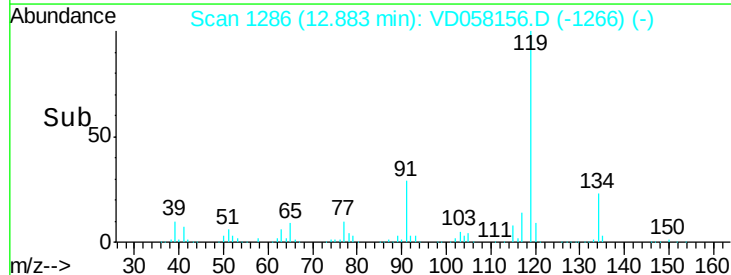
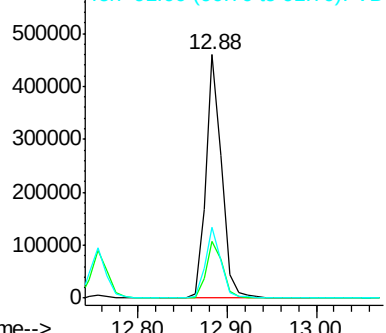


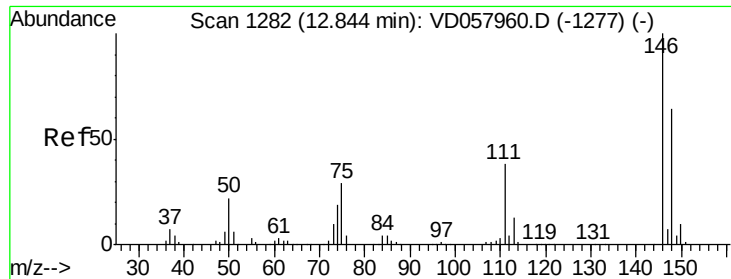
#86
 p-Isopropyltoluene
 Concen: 20.829 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion:119 Resp: 575939
 Ion Ratio Lower Upper
 119 100
 134 23.4 11.5 34.4
 91 29.2 14.5 43.6



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: 21.719 ug/l

RT: 12.84 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

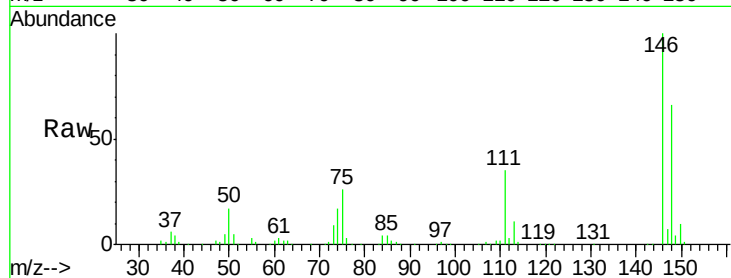
Tot Ion:146 Resp: 351056

Ion Ratio Lower Upper

146 100

111 34.6 19.1 57.3

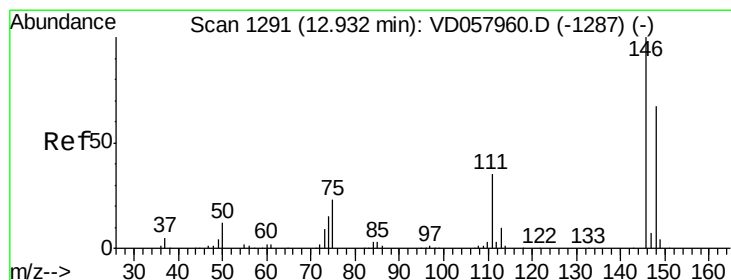
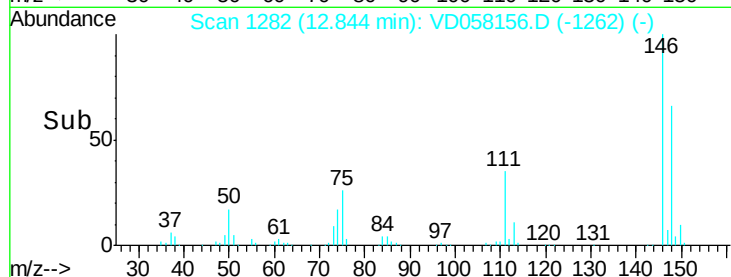
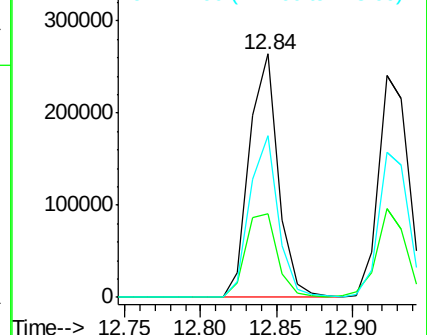
148 66.3 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.974 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD058156.D

Acq: 15 Jun 2018 17:06

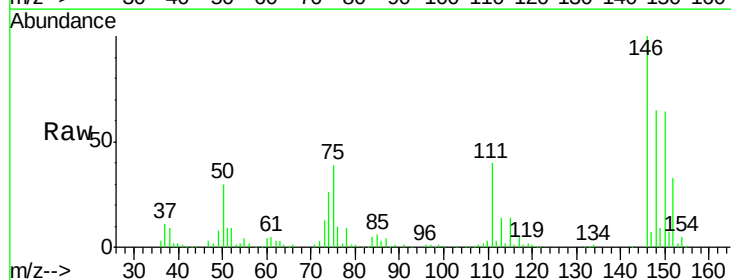
Tgt Ion:146 Resp: 346066

Ion Ratio Lower Upper

146 100

111 40.1 17.3 52.0

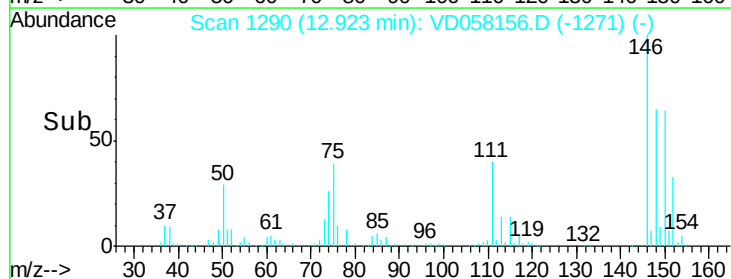
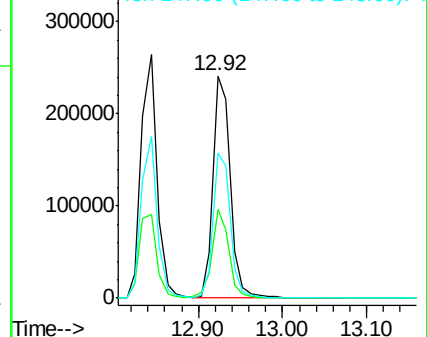
148 65.4 33.4 100.2

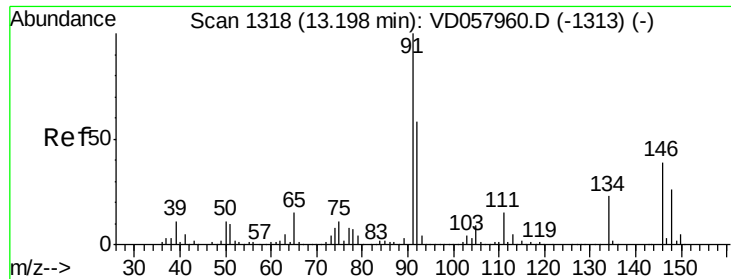


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

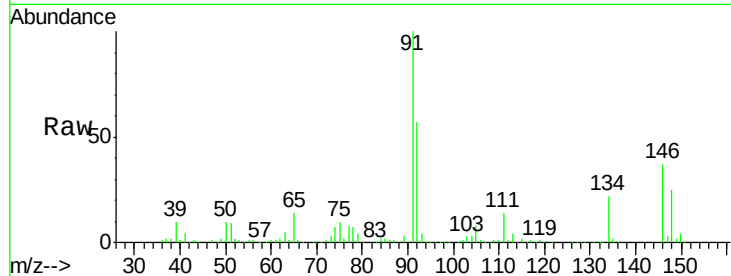




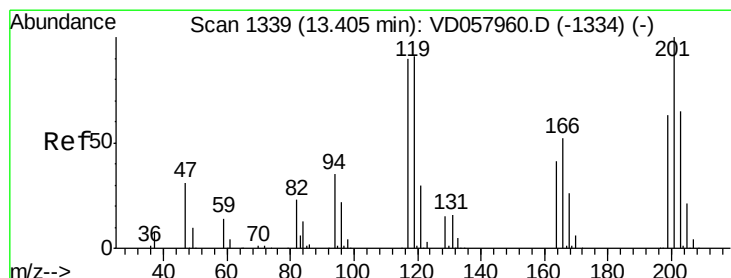
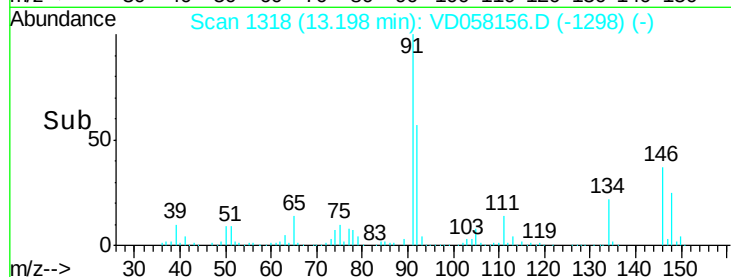
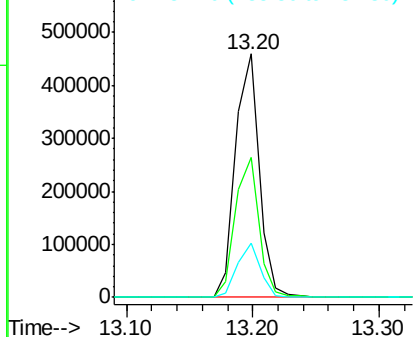
#89
n-Butylbenzene
Concen: 21.509 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 598124
Ion Ratio Lower Upper
91 100
92 57.4 29.2 87.6
134 22.2 11.3 33.9

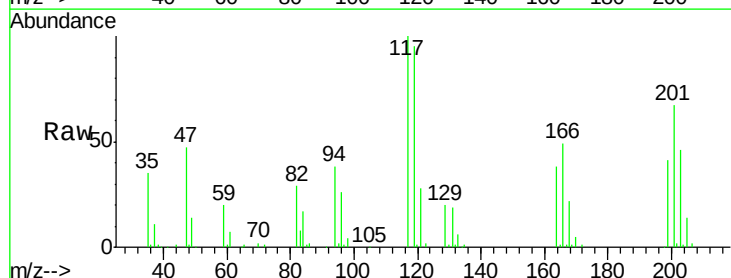


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

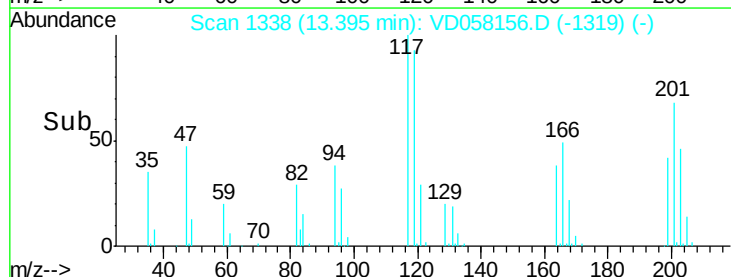
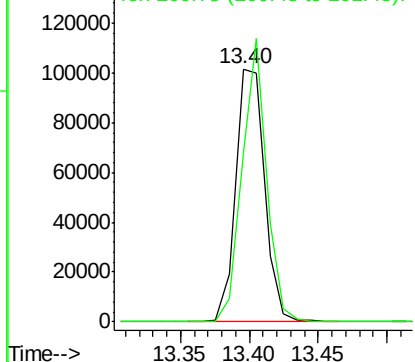


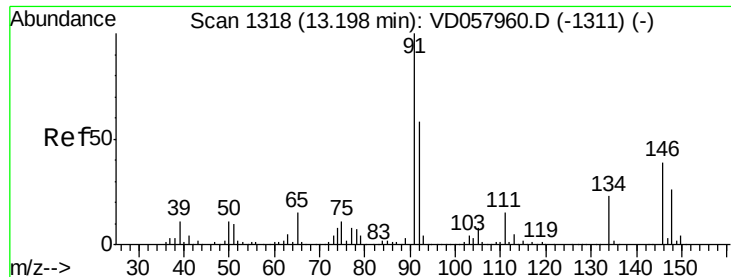
#90
Hexachloroethane
Concen: 21.187 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion: 117 Resp: 149521
Ion Ratio Lower Upper
117 100
201 67.1 55.4 166.0



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

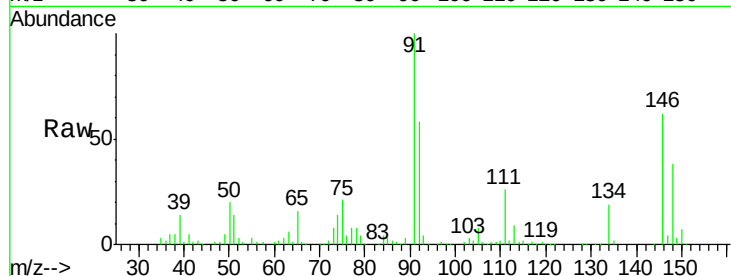




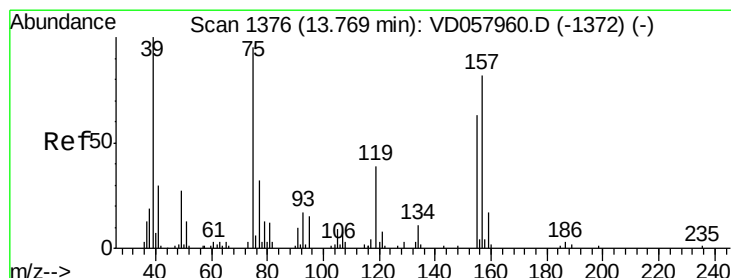
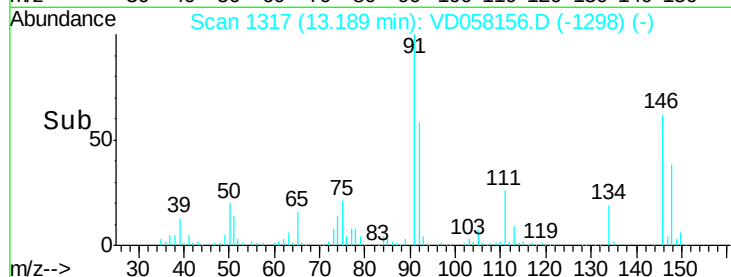
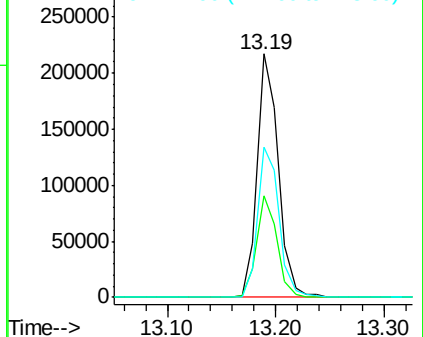
#91
 1,2-Dichlorobenzene
 Concen: 22.535 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.4	58.2
148	61.9	32.6	98.0

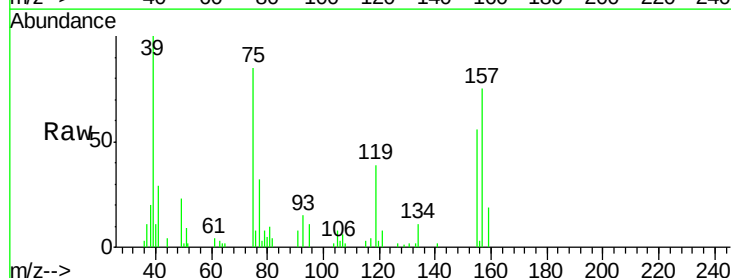


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

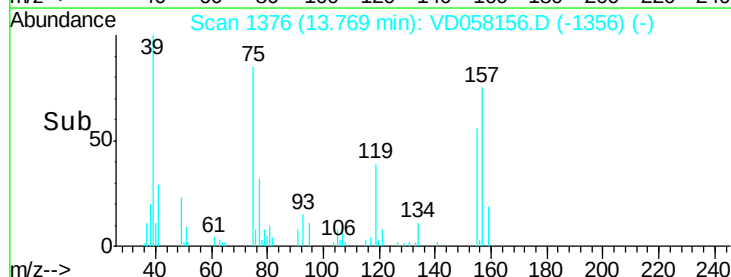
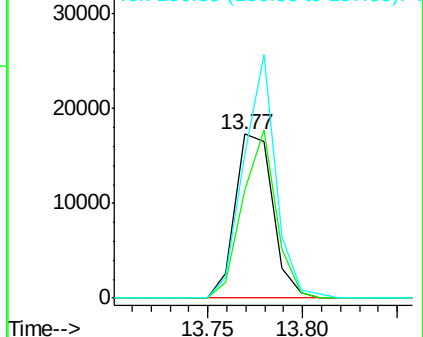


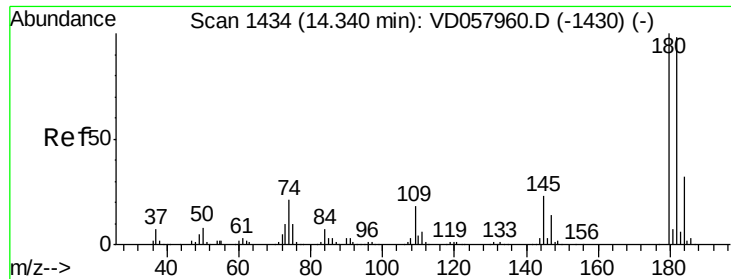
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.855 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.9	33.4	100.1
157	87.6	42.9	128.5



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

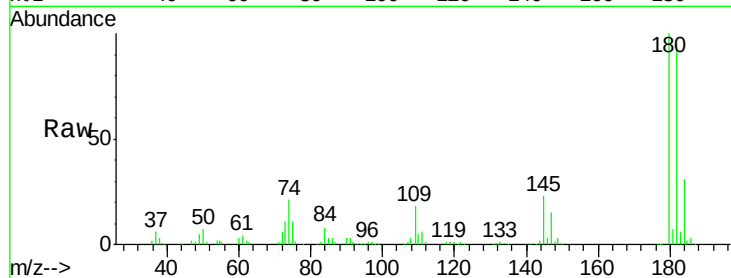




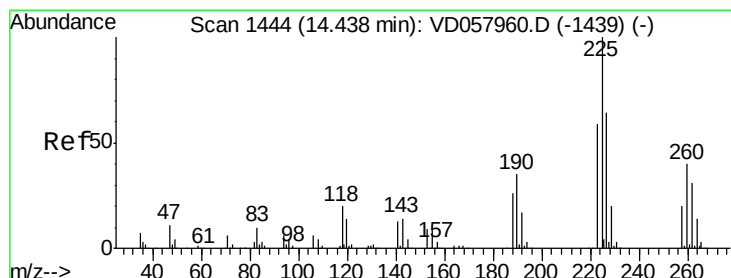
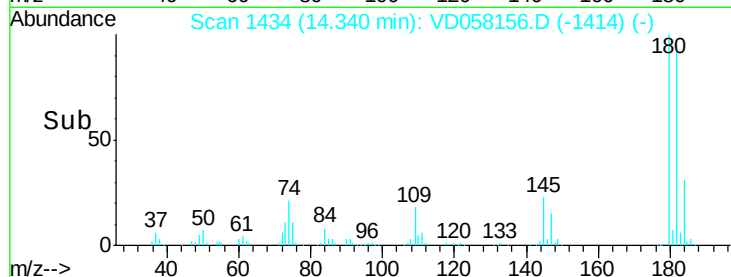
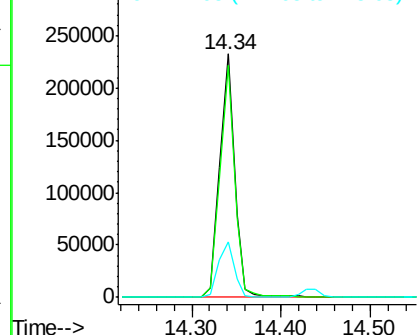
#93
 1,2,4-Trichlorobenzene
 Concen: 22.468 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 274198
 Ion Ratio Lower Upper
 180 100
 182 95.3 49.0 147.2
 145 22.9 11.8 35.3

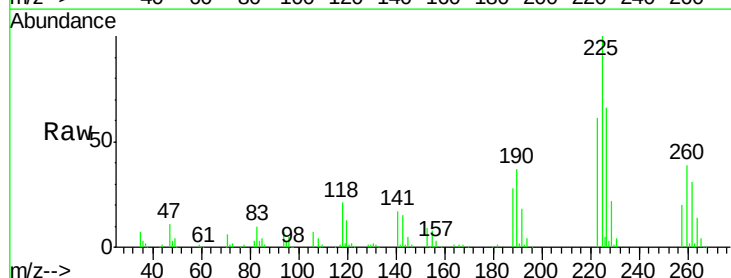


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

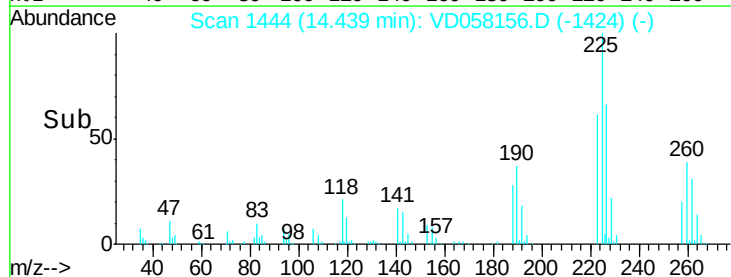
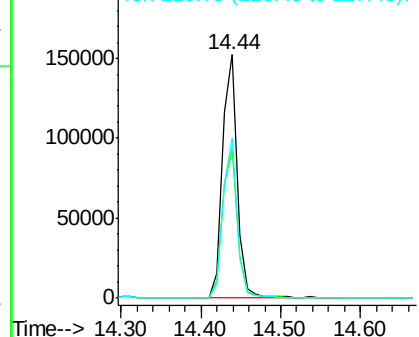


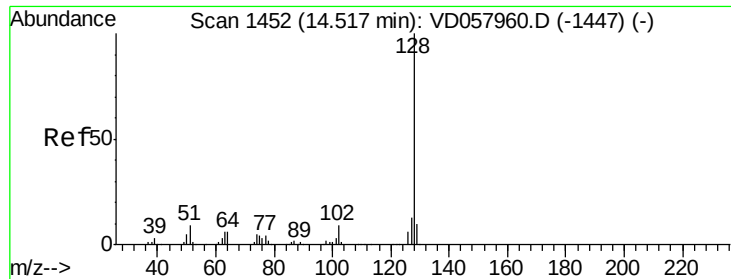
#94
 Hexachlorobutadiene
 Concen: 20.937 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058156.D
 Acq: 15 Jun 2018 17:06

Tgt Ion:225 Resp: 200973
 Ion Ratio Lower Upper
 225 100
 223 61.0 29.5 88.6
 227 65.9 32.0 96.0



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

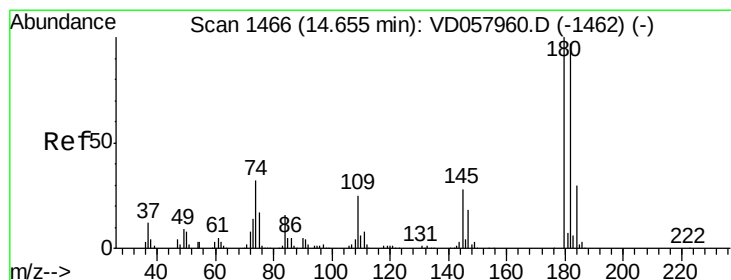
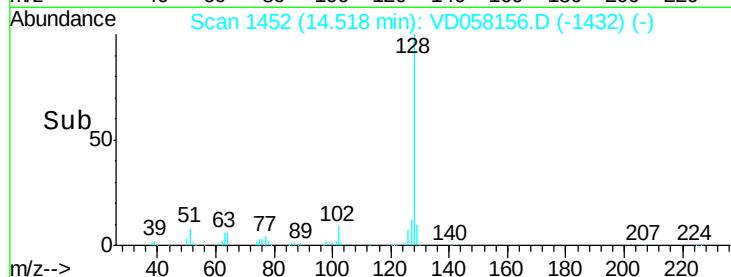
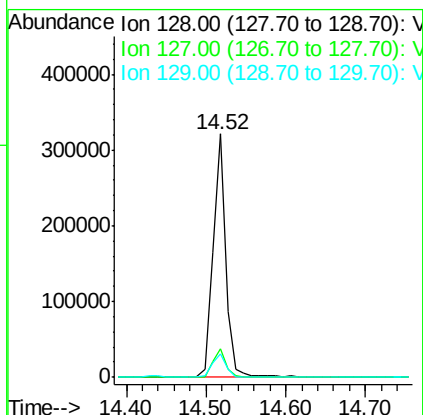
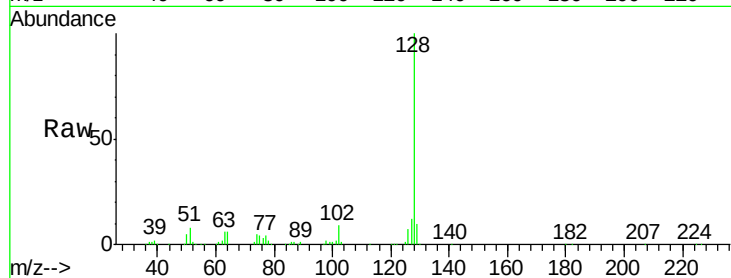




#95
Naphthalene
Concen: 23.102 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 363506
Ion Ratio Lower Upper
128 100
127 11.9 10.2 15.2
129 9.7 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 23.031 ug/l
RT: 14.67 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD058156.D
Acq: 15 Jun 2018 17:06

Tgt Ion:180 Resp: 239533
Ion Ratio Lower Upper
180 100
182 94.6 48.5 145.5
145 24.1 14.2 42.8

