

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072718\
 Data File : VD059620.D
 Acq On : 27 Jul 2018 19:21
 Operator : VA/AP
 Sample : VD0727SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 01:29:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	124567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	161632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	136407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	69448	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	87474	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	
35) Dibromofluoromethane	5.51	113	79513	57.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.70%	
50) Toluene-d8	8.68	98	159800	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.92	95	75293	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.30	85	39484	25.919	ug/l	96
3) Chloromethane	1.45	50	16970	21.797	ug/l	90
4) Vinyl Chloride	1.52	62	17542	21.651	ug/l	97
5) Bromomethane	1.75	94	4208	27.072	ug/l #	68
6) Chloroethane	1.84	64	5866	24.749	ug/l	89
7) Trichlorofluoromethane	2.03	101	34594	25.028	ug/l	95
8) Diethyl Ether	2.31	74	5268	21.873	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.50	101	18370	25.223	ug/l	97
10) Methyl Iodide	2.65	142	19306	21.502	ug/l	95
11) Tert butyl alcohol	3.23	59	7779	124.514	ug/l #	80
12) 1,1-Dichloroethene	2.49	96	12181	23.074	ug/l	98
13) Acrolein	2.44	56	3550	110.295	ug/l	99
14) Allyl chloride	2.88	41	28017	21.888	ug/l	98
15) Acrylonitrile	3.32	53	15737	116.145	ug/l	92
16) Acetone	2.58	43	25319	107.058	ug/l	93
17) Carbon Disulfide	2.71	76	42582	20.308	ug/l	99
18) Methyl Acetate	2.90	43	10934	23.120	ug/l	96
19) Methyl tert-butyl Ether	3.36	73	39967	22.587	ug/l #	88
20) Methylene Chloride	3.03	84	15252	22.618	ug/l	98
21) trans-1,2-Dichloroethene	3.34	96	13361	23.471	ug/l	95
22) Diisopropyl ether	4.03	45	73971	21.977	ug/l	96
23) Vinyl Acetate	3.97	43	243905	114.176	ug/l	98
24) 1,1-Dichloroethane	3.92	63	48424	22.789	ug/l	99
25) 2-Butanone	4.80	43	37977	105.301	ug/l	96
26) 2,2-Dichloropropane	4.76	77	47725	21.931	ug/l	98
27) cis-1,2-Dichloroethene	4.76	96	27718	24.377	ug/l	98
28) Bromochloromethane	5.10	49	19727	23.463	ug/l	91
29) Tetrahydrofuran	5.15	42	17997	107.772	ug/l	99
30) Chloroform	5.29	83	60434	23.780	ug/l	98
31) Cyclohexane	5.54	56	30687	19.058	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	54750	22.252	ug/l	99
36) 1,1-Dichloropropene	5.70	75	38331	23.633	ug/l	96
37) Ethyl Acetate	4.90	43	18430	22.090	ug/l #	97
38) Carbon Tetrachloride	5.68	117	50804	22.875	ug/l	99

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 01:29:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	31792	21.316	ug/l	95
40) Benzene	5.98	78	73762	22.177	ug/l	96
41) Methacrylonitrile	5.08	41	9492	22.798	ug/l #	85
42) 1,2-Dichloroethane	6.10	62	45452	22.681	ug/l	99
43) Isopropyl Acetate	7.59	43	26302	22.734	ug/l	100
44) Trichloroethene	6.95	130	29376	24.351	ug/l	95
45) 1,2-Dichloropropane	7.32	63	18402	19.757	ug/l	96
46) Dibromomethane	7.43	93	17854	22.678	ug/l	95
47) Bromodichloromethane	7.72	83	44298	23.558	ug/l	99
48) Methyl methacrylate	7.47	41	16600	21.636	ug/l	95
49) 1,4-Dioxane	7.46	88	3364	480.509	ug/l #	84
51) 4-Methyl-2-Pentanone	8.57	43	86039	111.368	ug/l	100
52) Toluene	8.78	92	49965	22.655	ug/l	99
53) t-1,3-Dichloropropene	9.16	75	37574	22.154	ug/l	95
54) cis-1,3-Dichloropropene	8.34	75	38239	22.704	ug/l	91
55) 1,1,2-Trichloroethane	9.43	97	18879	22.785	ug/l	95
56) Ethyl methacrylate	9.29	69	21873	23.267	ug/l	93
57) 1,3-Dichloropropane	9.65	76	31293	23.769	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.16	63	48301	109.349	ug/l	100
59) 2-Hexanone	9.76	43	63119	102.859	ug/l	99
60) Dibromochloromethane	9.94	129	31902	23.193	ug/l	92
61) 1,2-Dibromoethane	10.07	107	21299	21.692	ug/l	99
64) Tetrachloroethene	9.49	164	25270	20.443	ug/l	97
65) Chlorobenzene	10.71	112	61943	22.152	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.84	131	27539	22.641	ug/l	98
67) Ethyl Benzene	10.85	91	106672	22.192	ug/l	97
68) m/p-Xylenes	10.99	106	72223	44.989	ug/l	100
69) o-Xylene	11.39	106	33980	21.814	ug/l	92
70) Styrene	11.42	104	56437	21.851	ug/l	99
71) Bromoform	11.58	173	21762	21.972	ug/l	97
73) Isopropylbenzene	11.76	105	101791	20.748	ug/l	98
74) N-amyl acetate	11.63	43	32844	19.539	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	21869	21.833	ug/l	95
76) 1,2,3-Trichloropropane	12.10	75	24445	21.285	ug/l	97
77) Bromobenzene	12.03	156	31509	21.939	ug/l	94
78) n-propylbenzene	12.15	91	123698	20.751	ug/l	98
79) 2-Chlorotoluene	12.20	91	78012	21.950	ug/l	100
80) 1,3,5-Trimethylbenzene	12.31	105	83828	21.641	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.83	75	5667	19.300	ug/l #	85
82) 4-Chlorotoluene	12.31	91	92272	22.958	ug/l	87
83) tert-Butylbenzene	12.57	119	94600	21.693	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	88415	21.472	ug/l	97
85) sec-Butylbenzene	12.75	105	109017	21.877	ug/l	98
86) p-Isopropyltoluene	12.87	119	87973	20.947	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	53157	21.884	ug/l	94
88) 1,4-Dichlorobenzene	12.92	146	51576	22.039	ug/l	97
89) n-Butylbenzene	13.19	91	90317	22.275	ug/l	98
90) Hexachloroethane	13.39	117	23350	20.807	ug/l	88
91) 1,2-Dichlorobenzene	13.19	146	46419	22.776	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	4376	21.670	ug/l	94

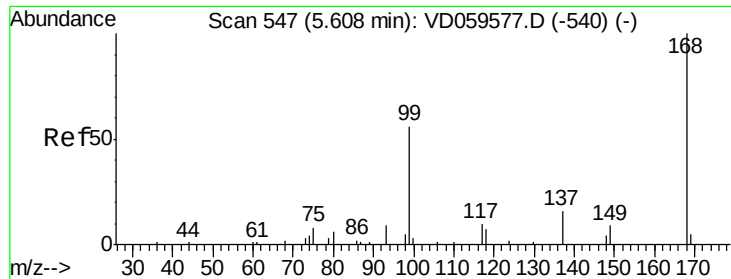
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072718\
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 28 01:29:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	38913	23.056	ug/l	99
94) Hexachlorobutadiene	14.43	225	29903	22.461	ug/l	97
95) Naphthalene	14.51	128	54112	22.544	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	33882	22.185	ug/l	98

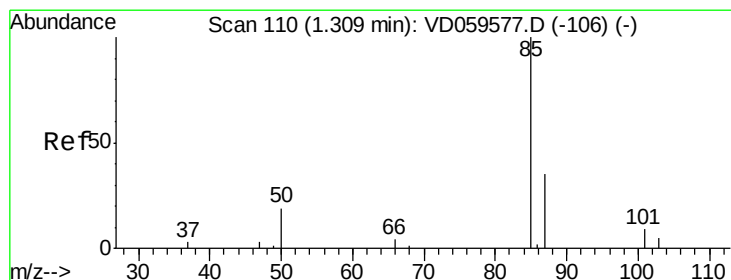
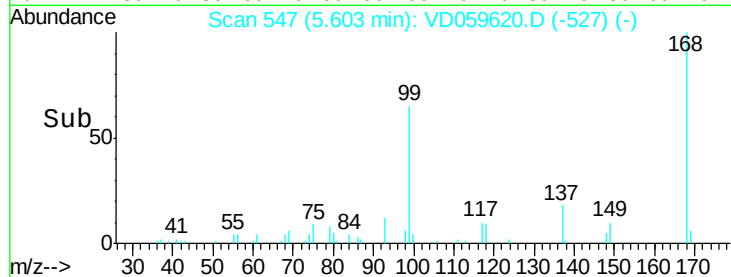
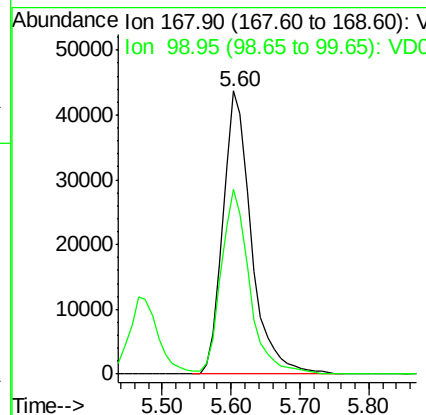
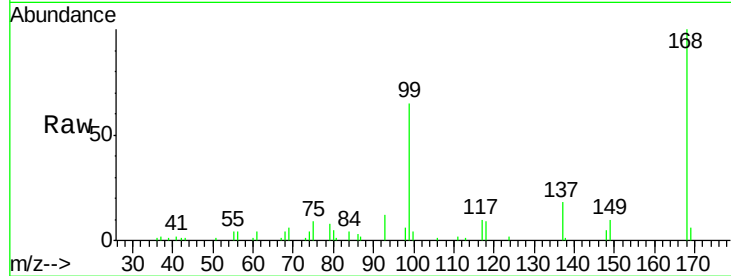
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 547
Delta R.T. -0.00 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

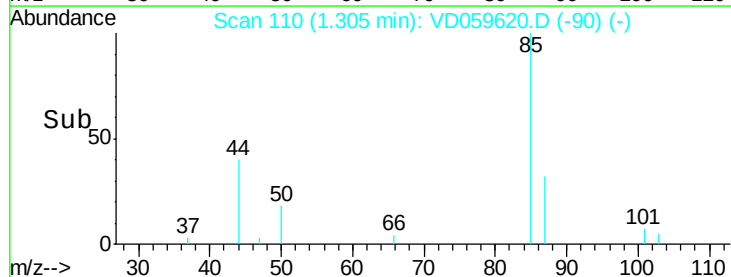
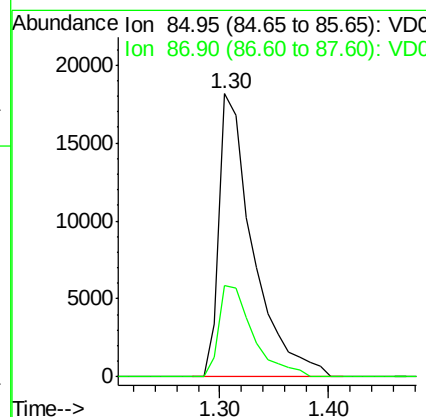
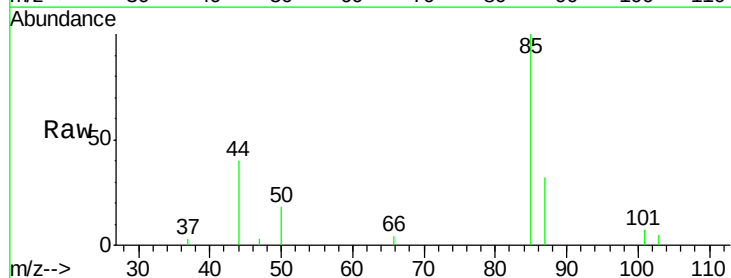
Instrument :
MSVOA_D
ClientSampleId :

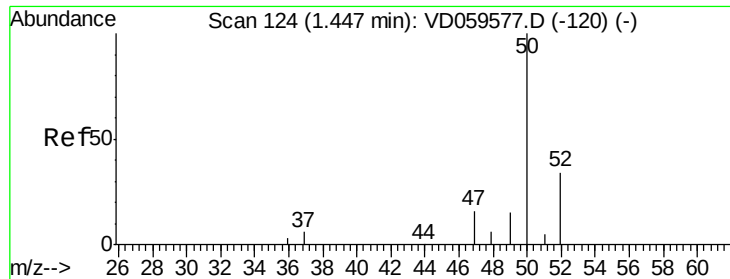
Tot Ion:168 Resp: 124567
Ion Ratio Lower Upper
168 100
99 65.3 47.3 70.9



#2
Dichlorodifluoromethane
Concen: 25.919 ug/l
RT: 1.30 min Scan# 110
Delta R.T. -0.00 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion: 85 Resp: 39484
Ion Ratio Lower Upper
85 100
87 32.4 17.3 51.7





#3

Chloromethane

Concen: 21.797 ug/l

RT: 1.45 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

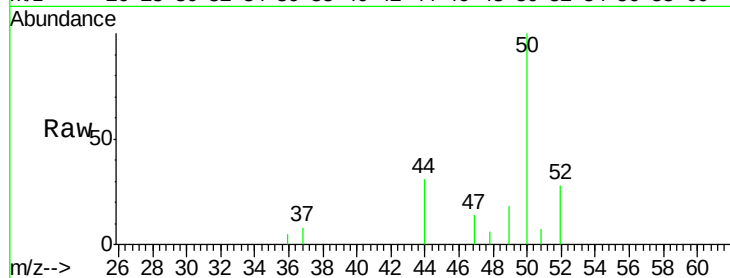
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 16970

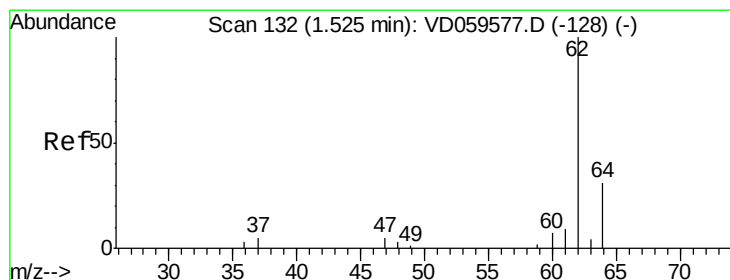
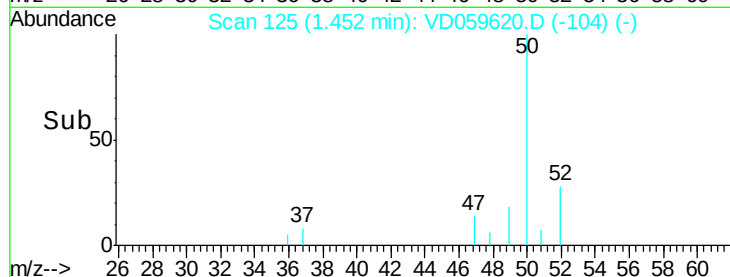
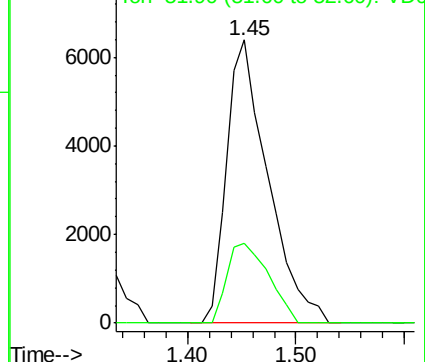
Ion Ratio Lower Upper

50 100

52 28.2 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.651 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.00 min

Lab File: VD059620.D

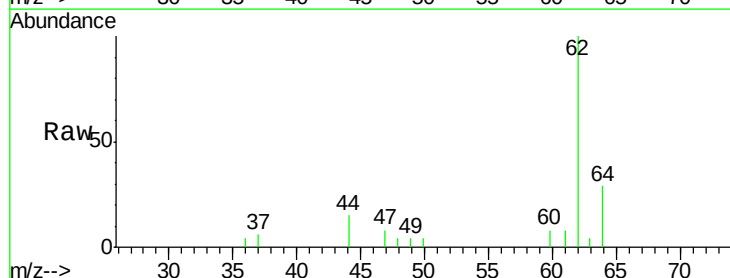
Acq: 27 Jul 2018 19:21

Tgt Ion: 62 Resp: 17542

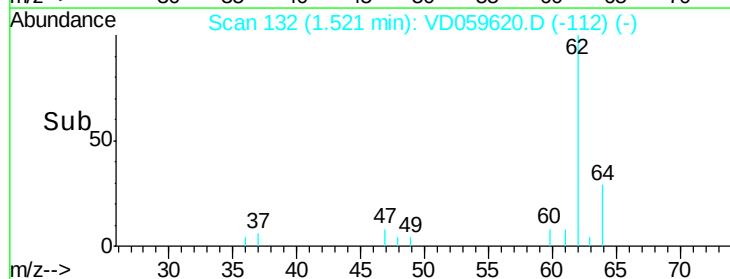
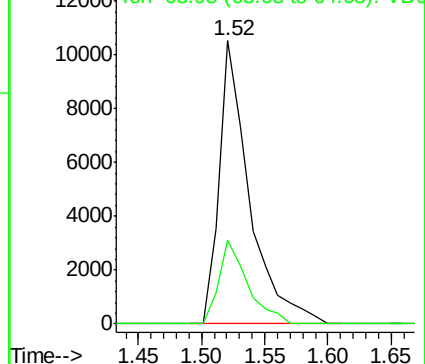
Ion Ratio Lower Upper

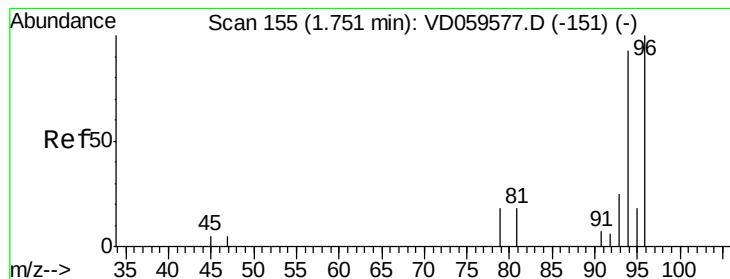
62 100

64 29.4 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 27.072 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

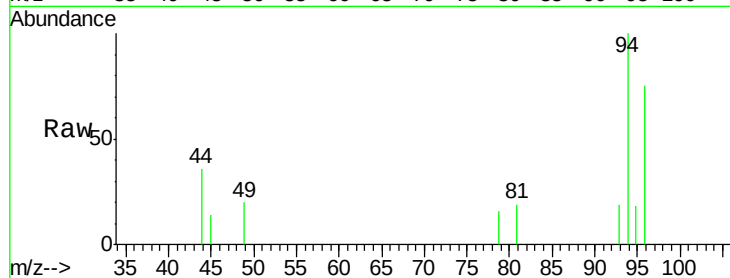
ClientSampleId :

Tot Ion: 94 Resp: 4208

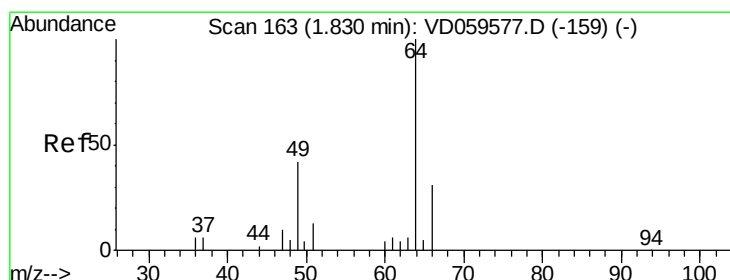
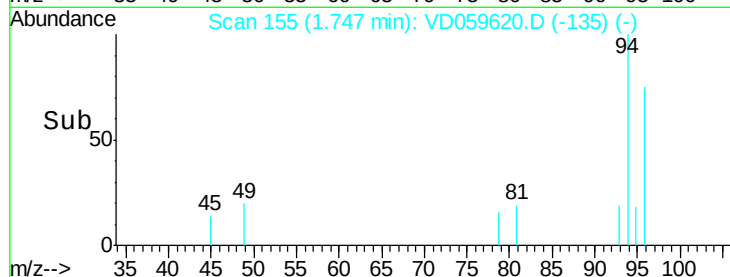
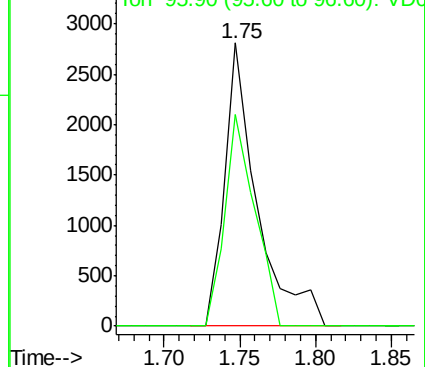
Ion Ratio Lower Upper

94 100

96 74.8 86.2 129.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.749 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059620.D

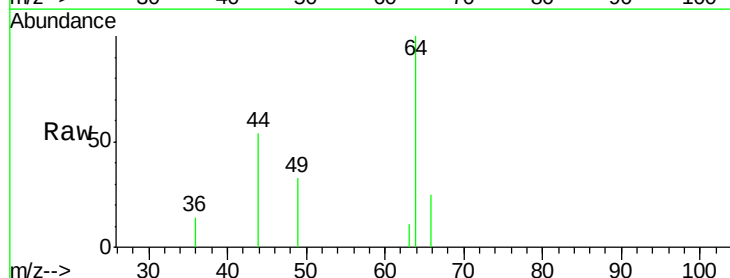
Acq: 27 Jul 2018 19:21

Tgt Ion: 64 Resp: 5866

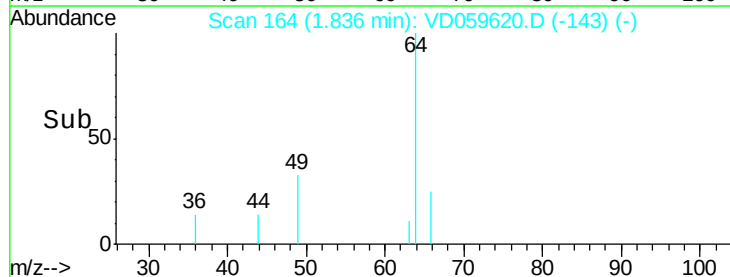
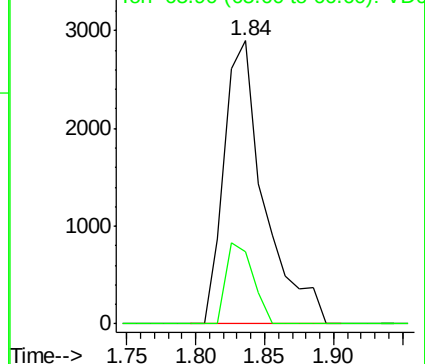
Ion Ratio Lower Upper

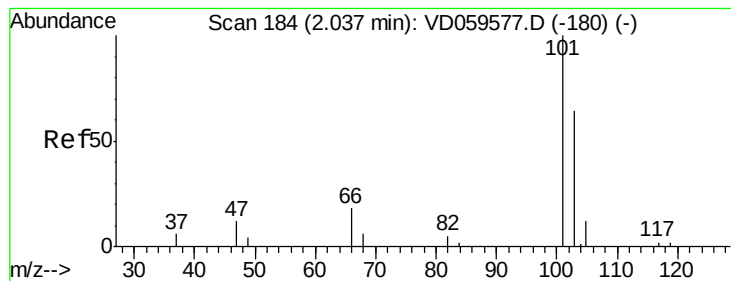
64 100

66 25.3 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



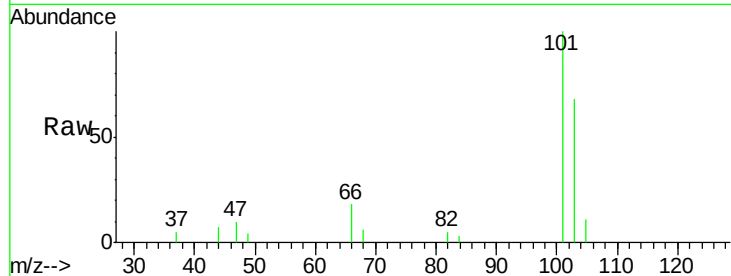


#7

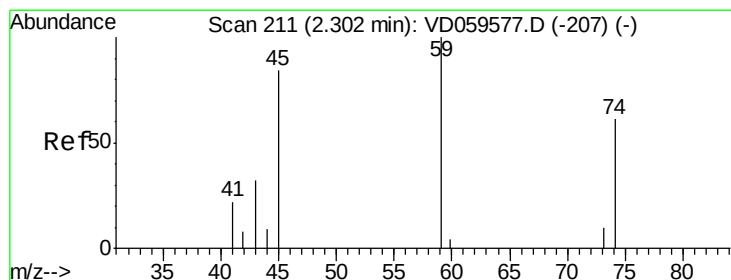
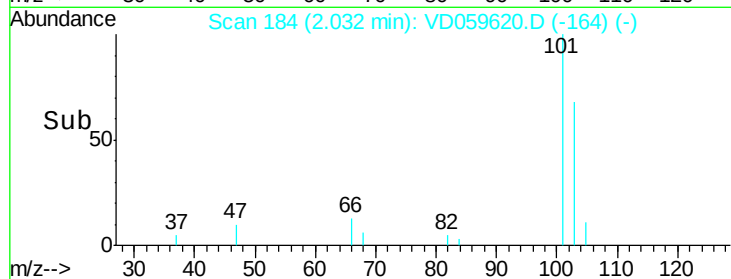
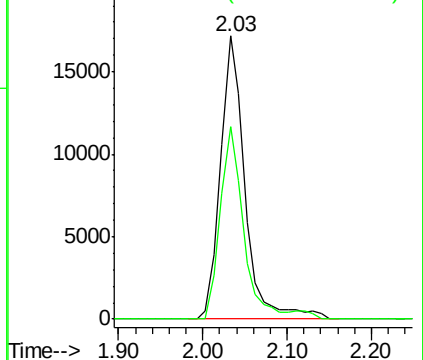
Trichlorofluoromethane
 Concen: 25.028 ug/l
 RT: 2.03 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 34594
 Ion Ratio Lower Upper
 101 100
 103 67.8 50.9 76.3



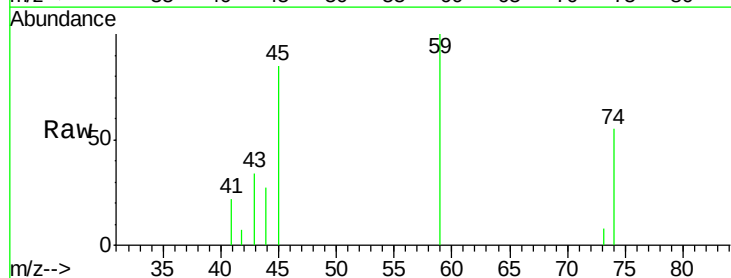
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



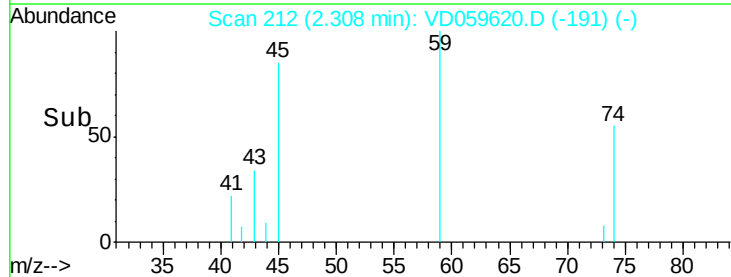
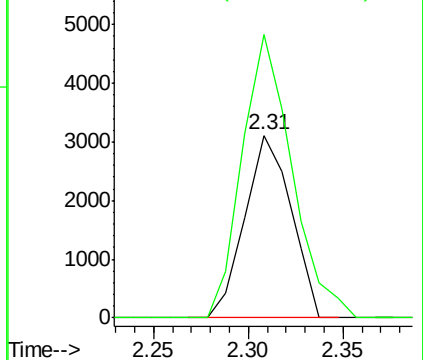
#8

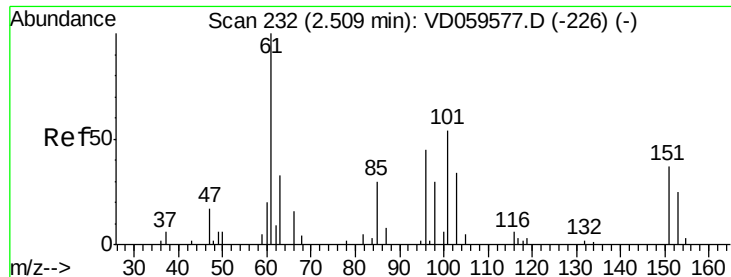
Diethyl Ether
 Concen: 21.873 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 74 Resp: 5268
 Ion Ratio Lower Upper
 74 100
 45 155.1 69.0 207.0



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: 25.223 ug/l

RT: 2.50 min Scan# 232

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

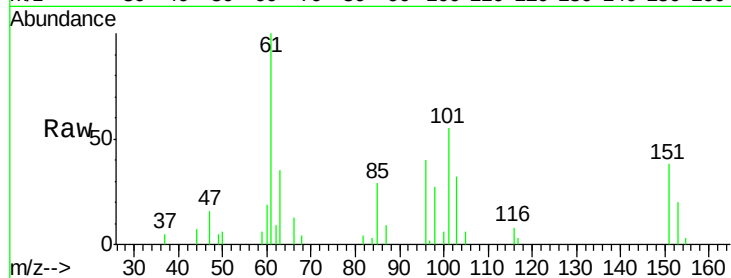
Tot Ion:101 Resp: 18370

Ion Ratio Lower Upper

101 100

85 52.2 44.5 66.7

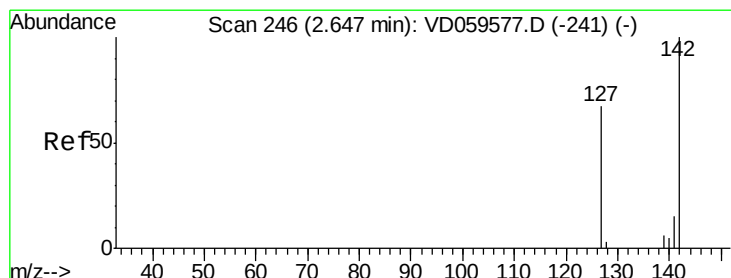
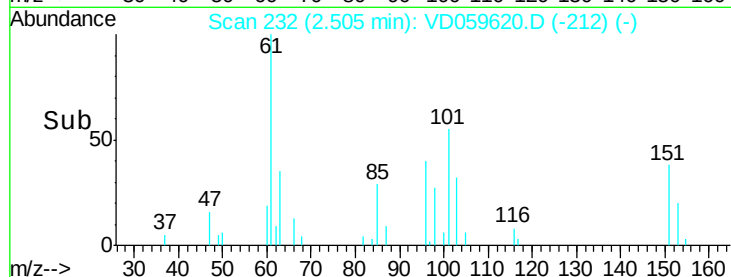
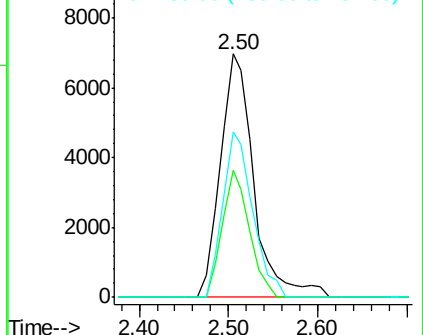
151 68.2 55.4 83.0



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: 21.502 ug/l

RT: 2.65 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

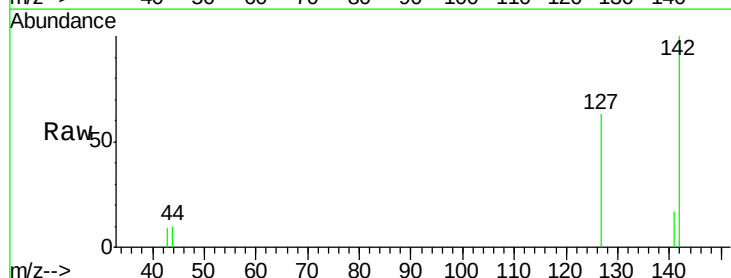
Tgt Ion:142 Resp: 19306

Ion Ratio Lower Upper

142 100

127 62.5 53.6 80.4

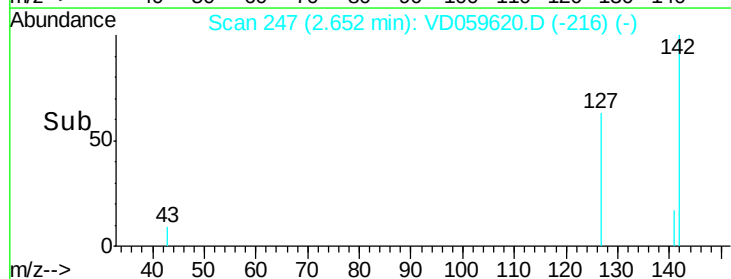
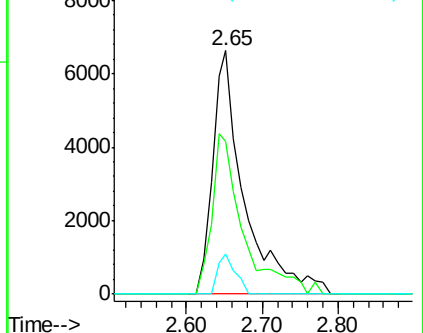
141 16.6 12.2 18.2

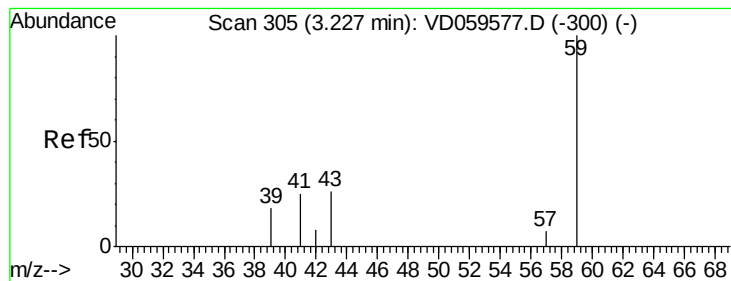


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



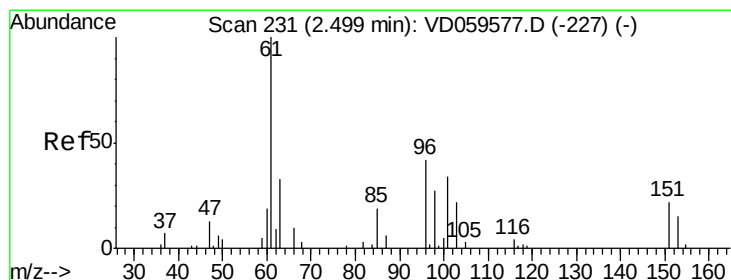
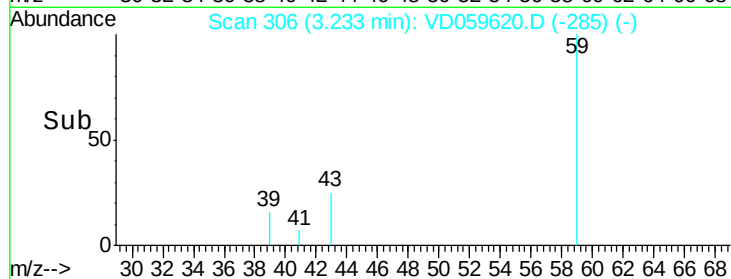
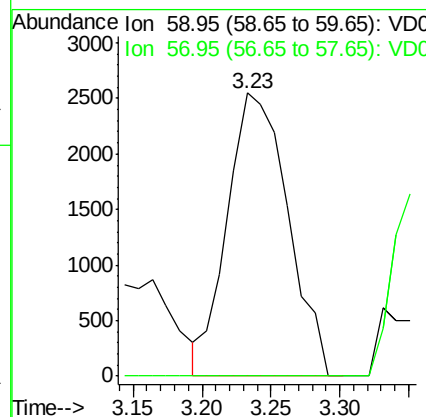
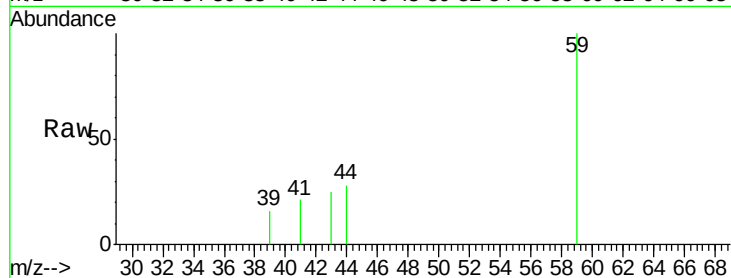


#11

Tert butyl alcohol
 Concen: 124.514 ug/l
 RT: 3.23 min Scan# 306
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Instrument :
 MSVOA_D
 ClientSampleID :

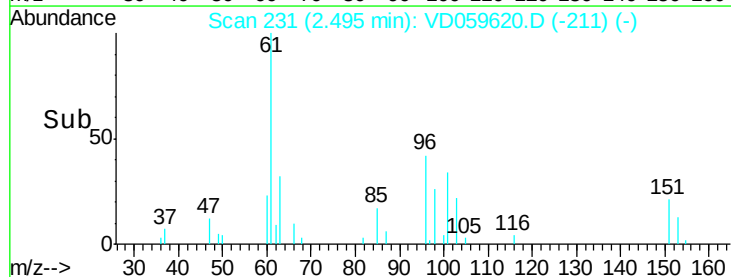
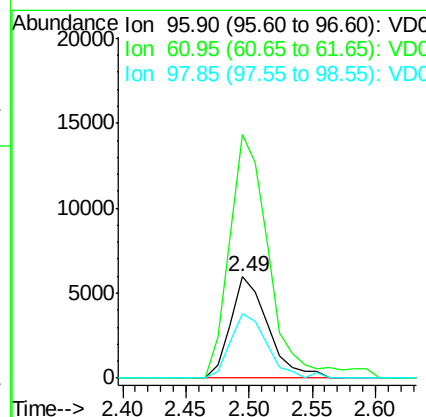
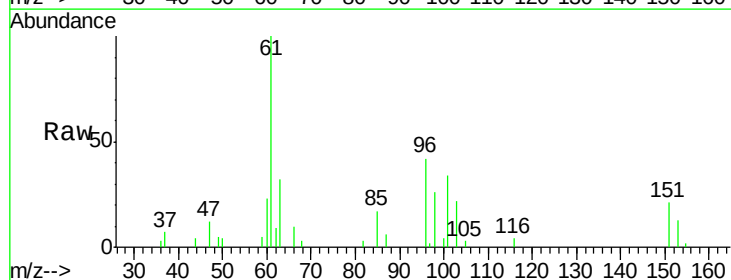
Tot Ion: 59 Resp: 7779
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.5 8.3#

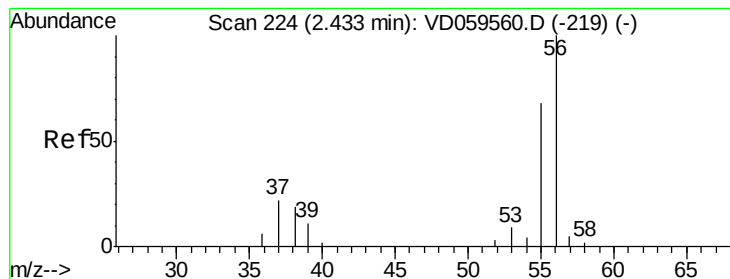


#12

1,1-Dichloroethene
 Concen: 23.074 ug/l
 RT: 2.49 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 96 Resp: 12181
 Ion Ratio Lower Upper
 96 100
 61 239.9 188.8 283.2
 98 63.1 51.4 77.2





#13

Acrolein

Concen: 110.295 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

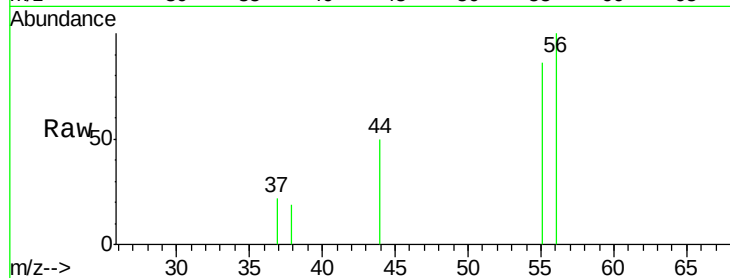
ClientSampleId :

Tot Ion: 56 Resp: 3550

Ion Ratio Lower Upper

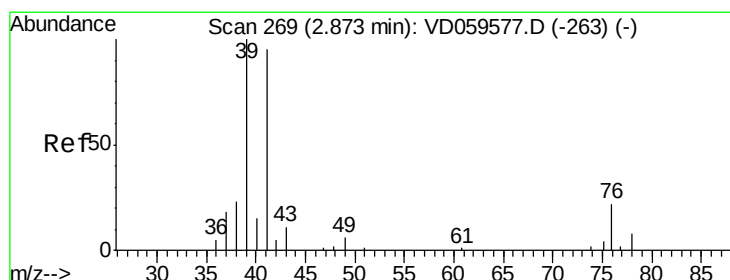
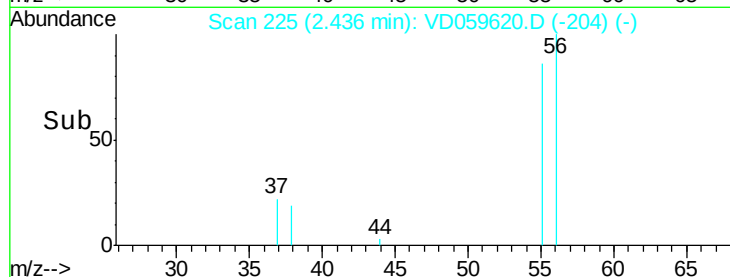
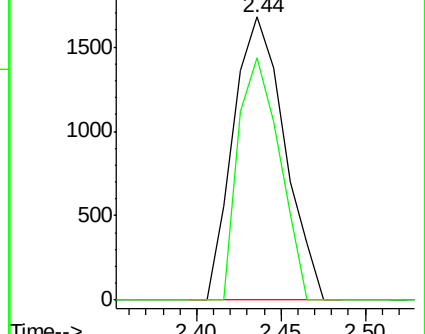
56 100

55 85.6 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.888 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

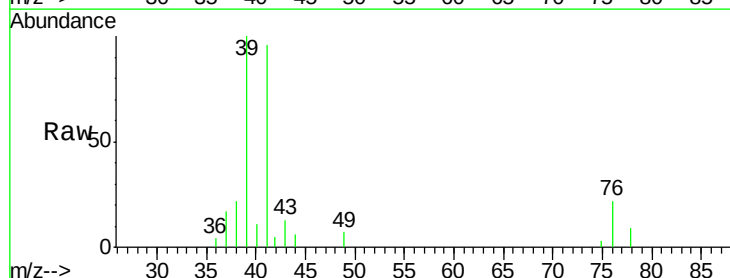
Tgt Ion: 41 Resp: 28017

Ion Ratio Lower Upper

41 100

39 104.4 83.8 125.8

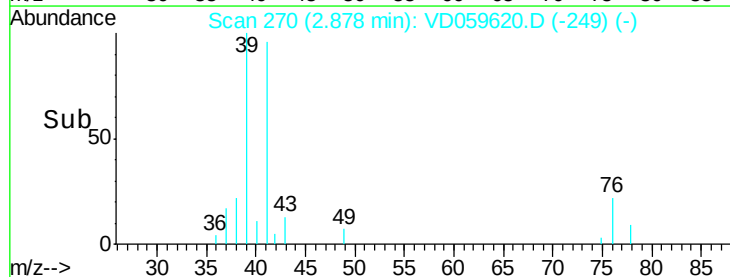
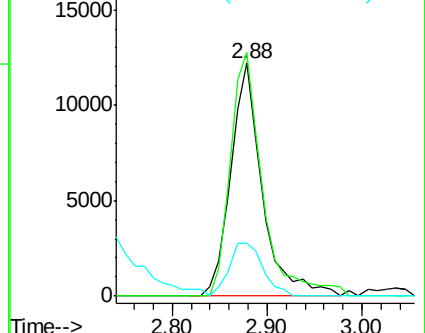
76 22.8 22.2 33.4

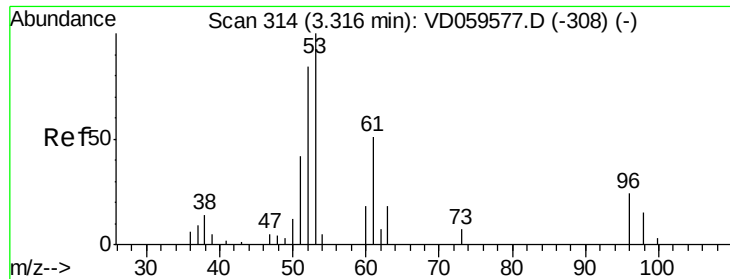


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

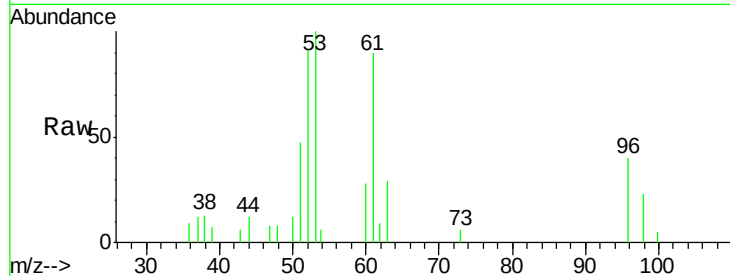




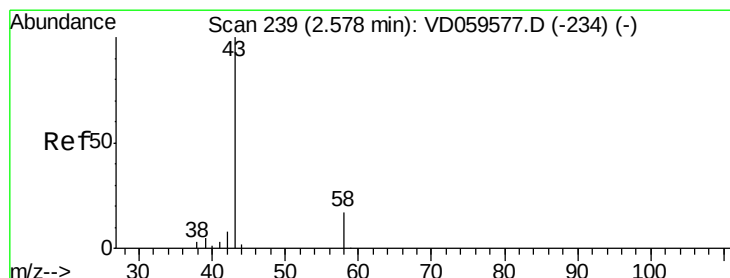
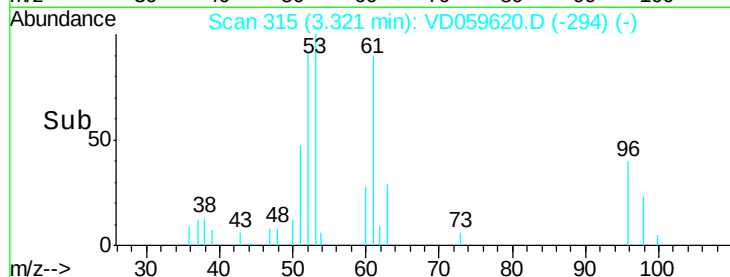
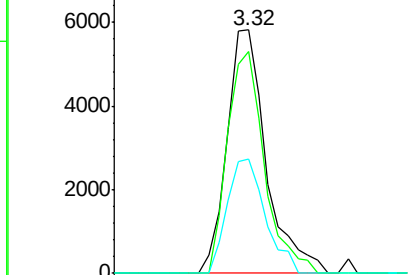
#15
 Acrylonitrile
 Concen: 116.145 ug/l
 RT: 3.32 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 53 Resp: 15737
 Ion Ratio Lower Upper
 53 100
 52 91.4 67.6 101.4
 51 47.1 33.7 50.5

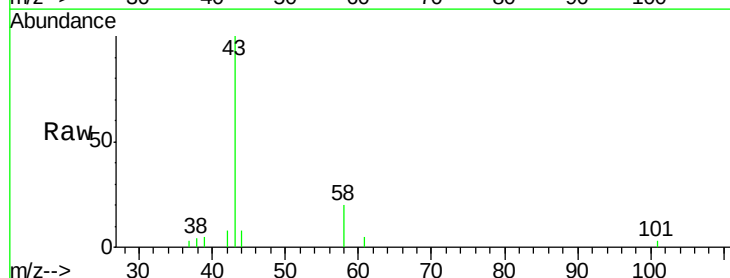


Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

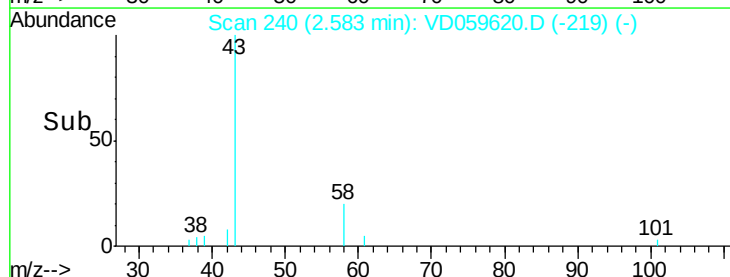
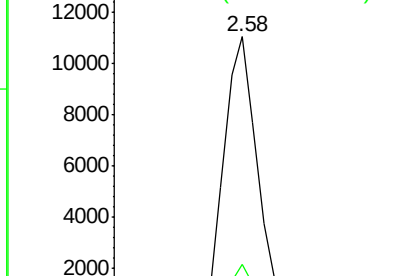


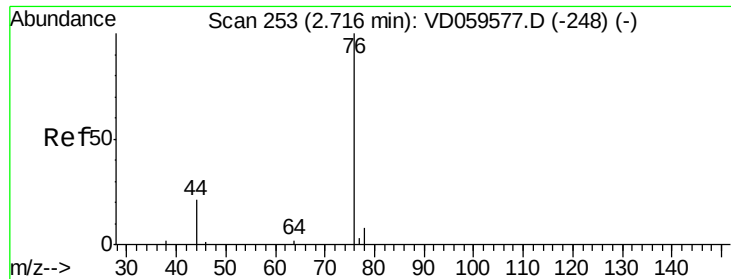
#16
 Acetone
 Concen: 107.058 ug/l
 RT: 2.58 min Scan# 240
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 43 Resp: 25319
 Ion Ratio Lower Upper
 43 100
 58 19.5 13.4 20.0



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

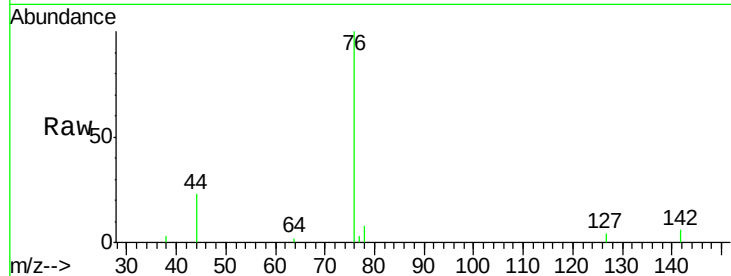




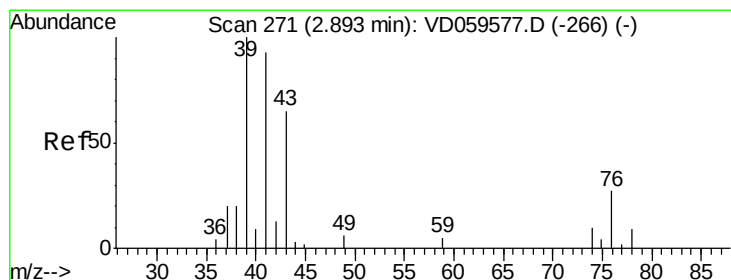
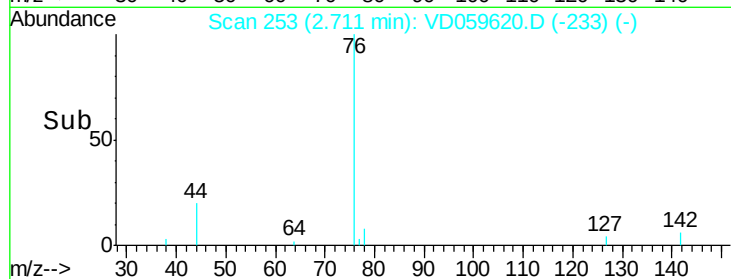
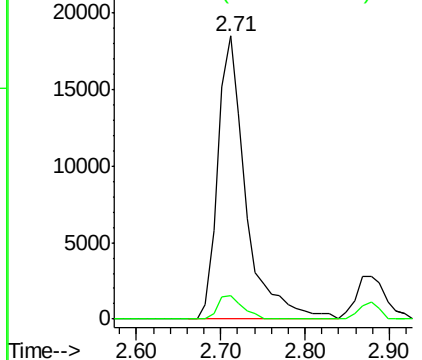
#17
Carbon Disulfide
Concen: 20.308 ug/l
RT: 2.71 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 42582
Ion Ratio Lower Upper
76 100
78 8.2 6.8 10.2

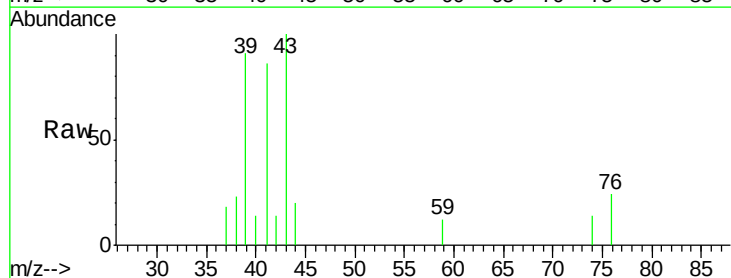


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

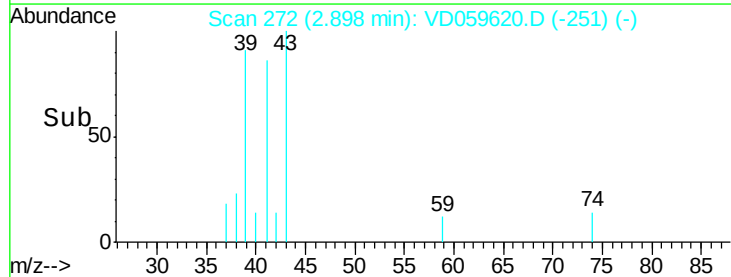
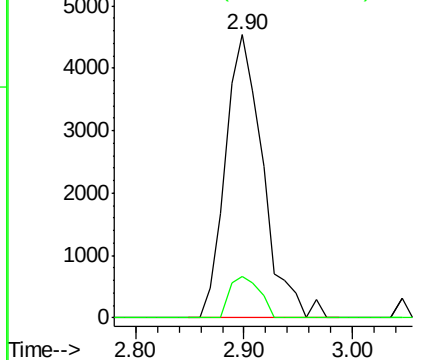


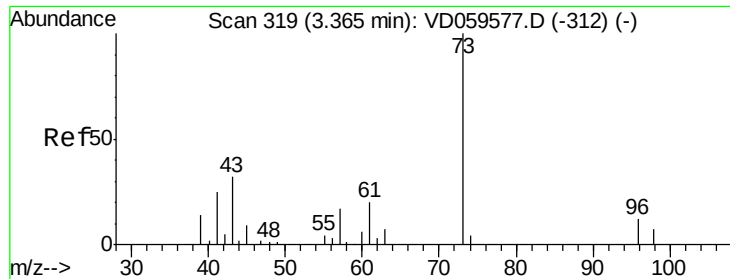
#18
Methyl Acetate
Concen: 23.120 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion: 43 Resp: 10934
Ion Ratio Lower Upper
43 100
74 14.5 13.0 19.4



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

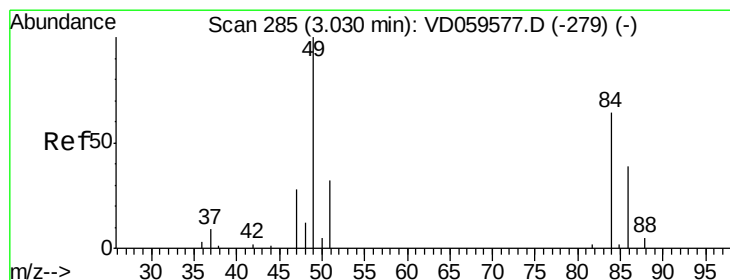
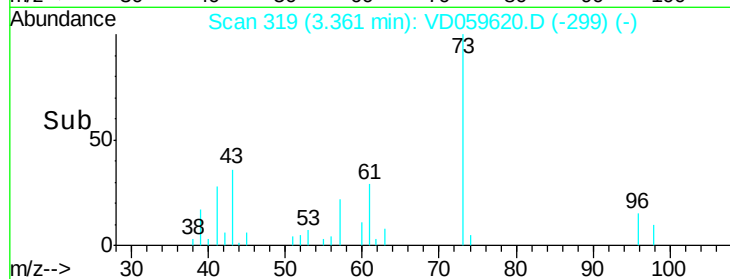
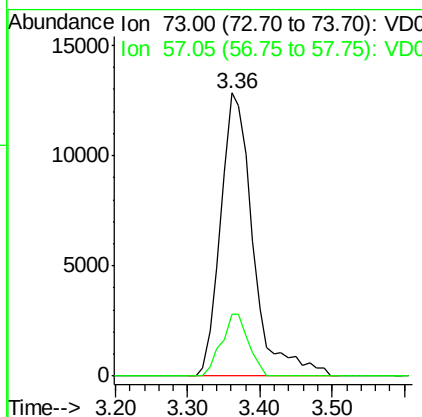
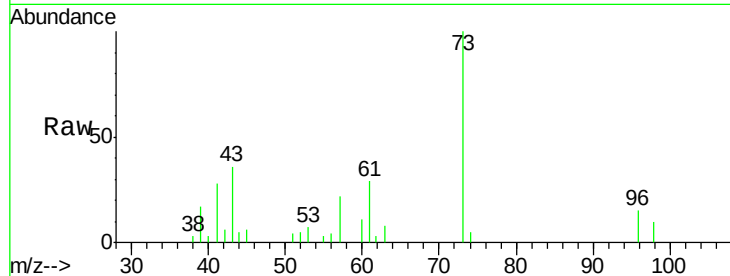




#19
Methyl tert-butyl Ether
Concen: 22.587 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.00 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

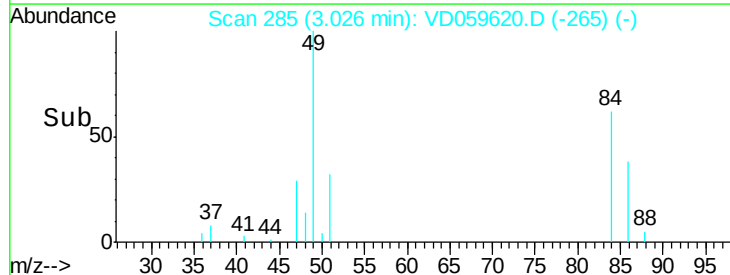
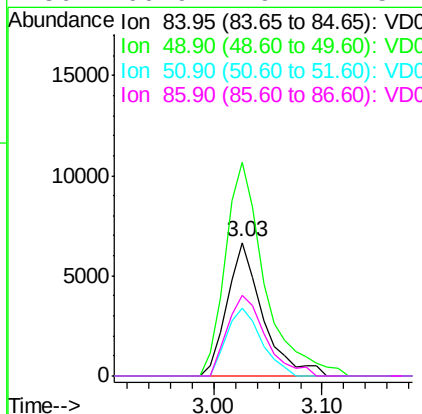
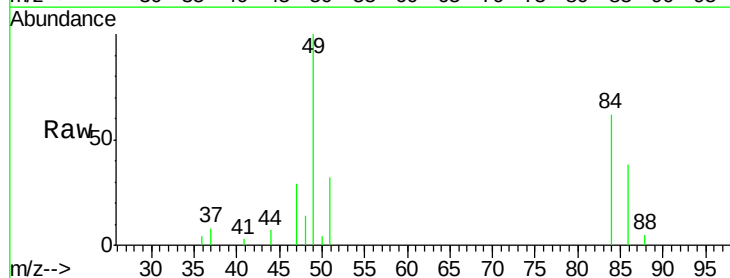
Instrument :
MSVOA_D
ClientSampleId :

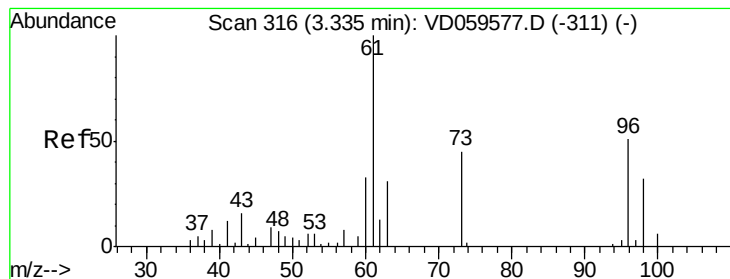
Tot Ion: 73 Resp: 39967
Ion Ratio Lower Upper
73 100
57 21.9 13.4 20.2#



#20
Methylene Chloride
Concen: 22.618 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion: 84 Resp: 15252
Ion Ratio Lower Upper
84 100
49 160.3 125.4 188.2
51 50.7 39.7 59.5
86 60.9 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 23.471 ug/l

RT: 3.34 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

ClientSampled :

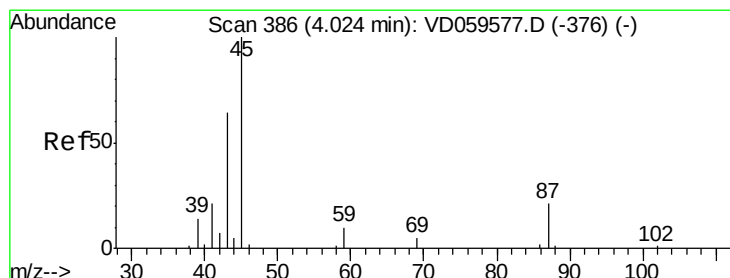
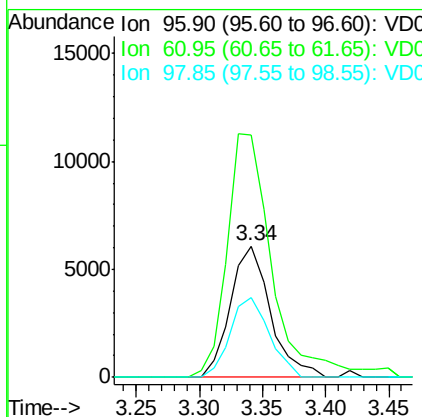
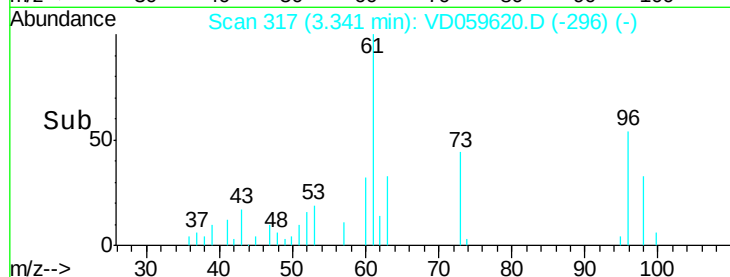
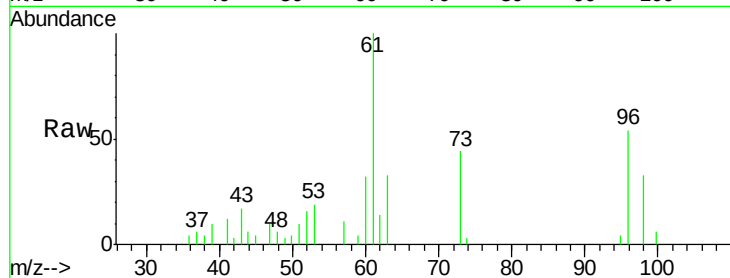
Tot Ion: 96 Resp: 13361

Ion Ratio Lower Upper

96 100

61 184.2 155.8 233.6

98 61.0 49.1 73.7



#22

Diisopropyl ether

Concen: 21.977 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Tgt Ion: 45 Resp: 73971

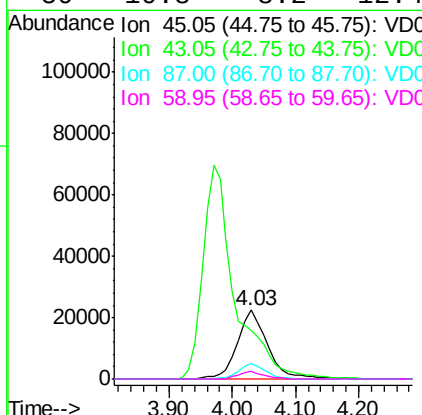
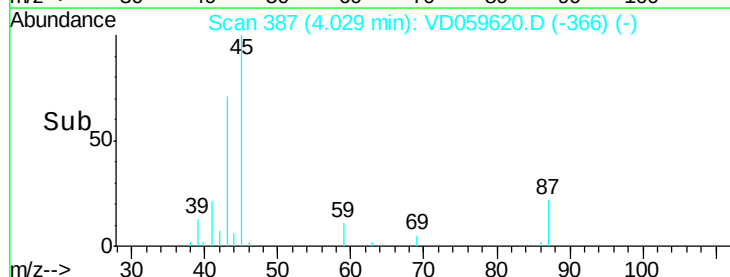
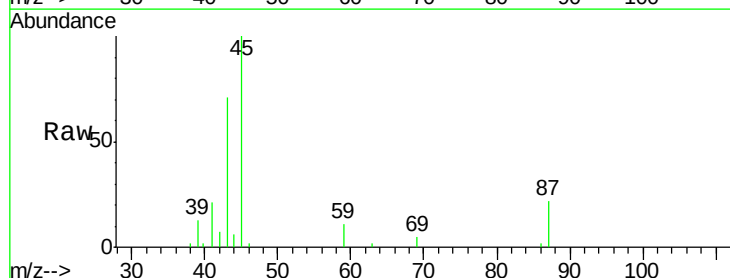
Ion Ratio Lower Upper

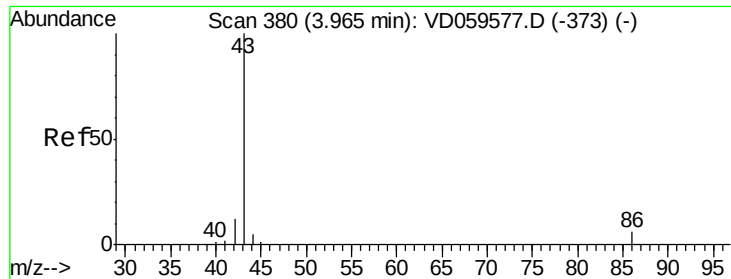
45 100

43 70.7 59.4 89.2

87 22.4 16.7 25.1

59 10.8 8.2 12.4





#23

Vinyl Acetate

Concen: 114.176 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

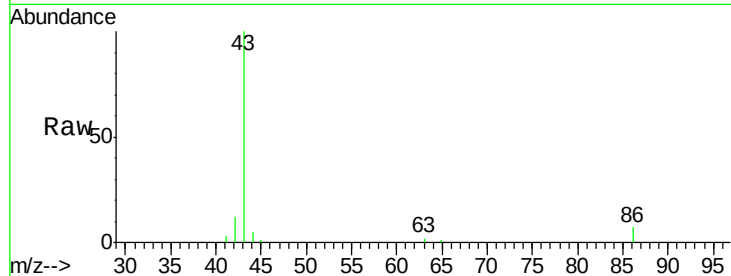
ClientSampleId :

Tot Ion: 43 Resp: 243905

Ion Ratio Lower Upper

43 100

86 6.9 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

3.97

80000

60000

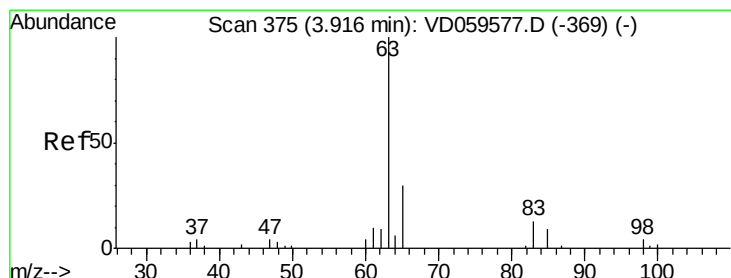
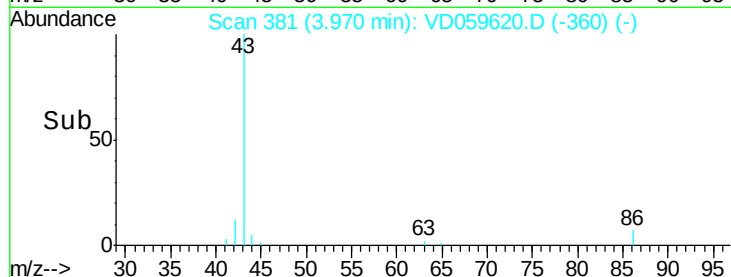
40000

20000

0

Time-->

3.80 3.90 4.00 4.10



#24

1,1-Dichloroethane

Concen: 22.789 ug/l

RT: 3.92 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

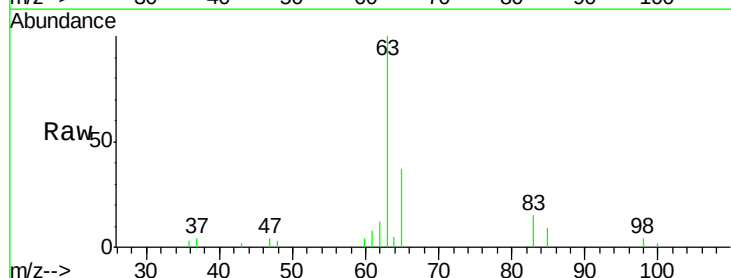
Tgt Ion: 63 Resp: 48424

Ion Ratio Lower Upper

63 100

98 4.4 1.8 5.5

100 2.3 1.1 3.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

20000

15000

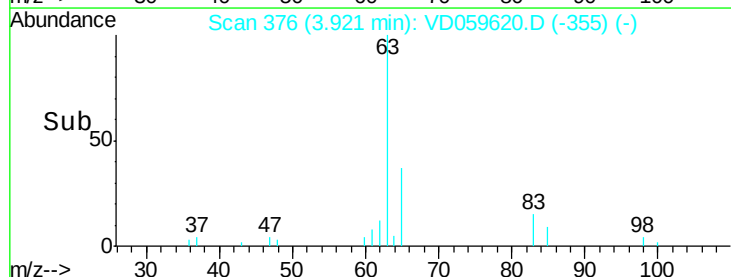
10000

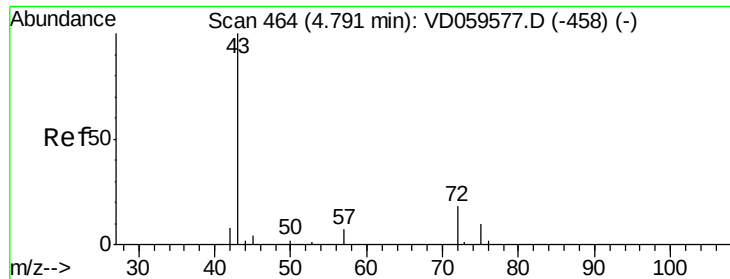
5000

0

Time-->

3.80 3.90 4.00 4.10





#25

2-Butanone

Concen: 105.301 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

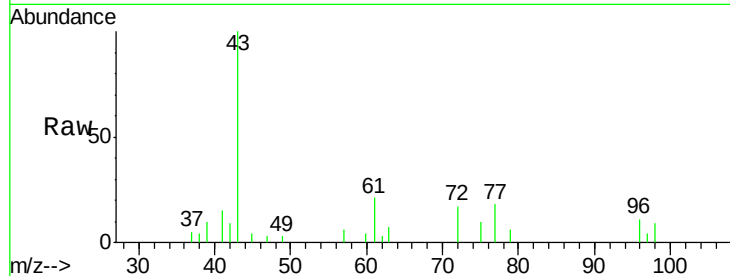
ClientSampleId :

Tot Ion: 43 Resp: 37977

Ion Ratio Lower Upper

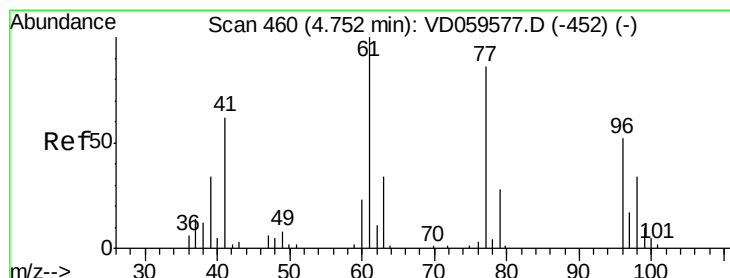
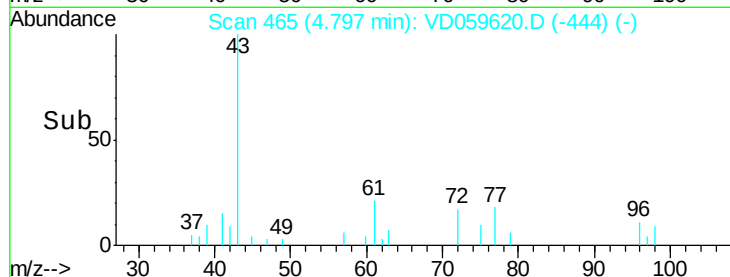
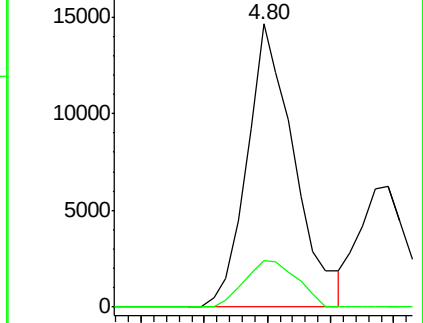
43 100

72 16.5 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.931 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.01 min

Lab File: VD059620.D

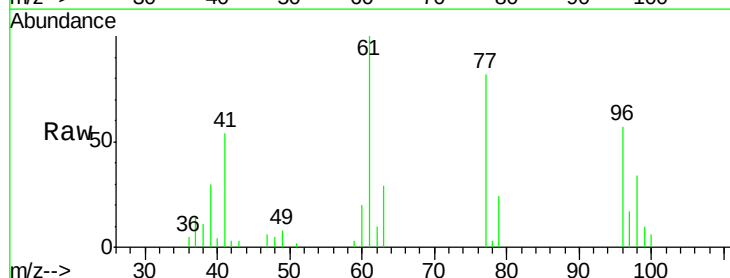
Acq: 27 Jul 2018 19:21

Tgt Ion: 77 Resp: 47725

Ion Ratio Lower Upper

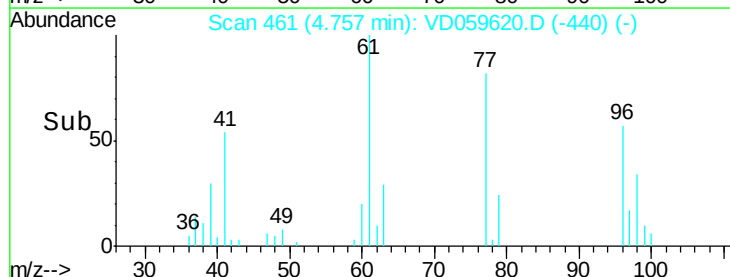
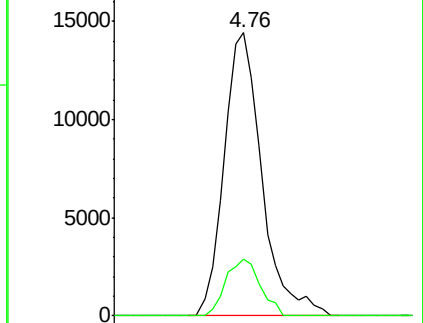
77 100

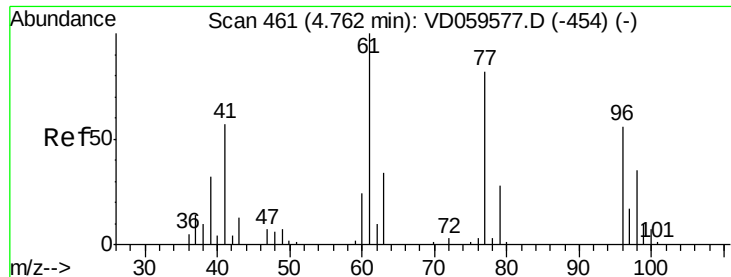
97 20.2 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



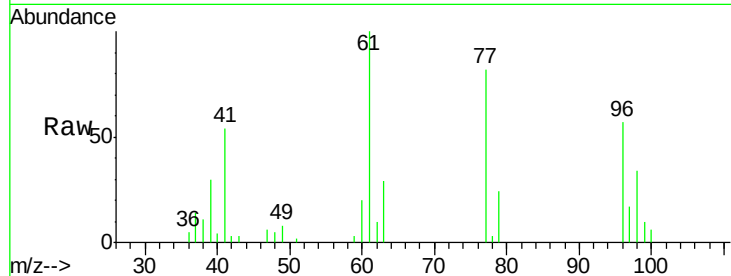


#27

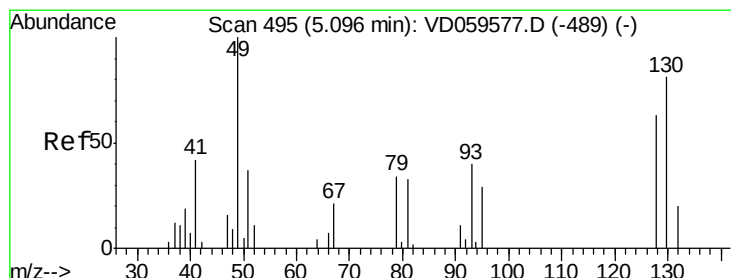
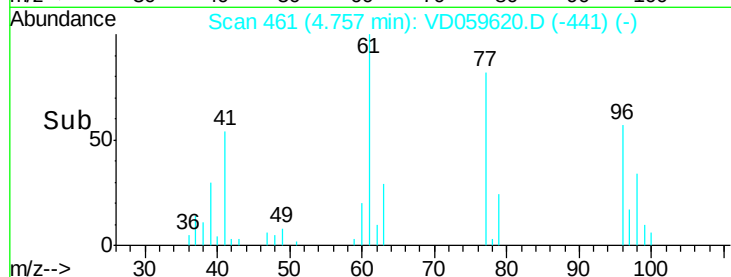
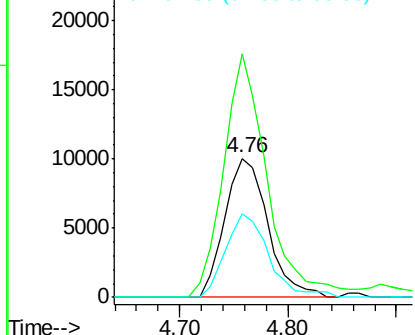
cis-1,2-Dichloroethene
 Concen: 24.377 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 27718
 Ion Ratio Lower Upper
 96 100
 61 175.2 0.0 355.0
 98 60.0 0.0 125.8



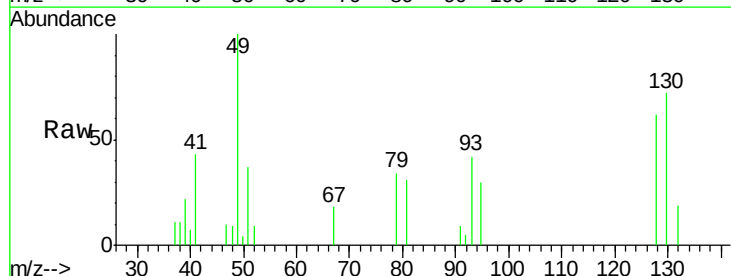
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



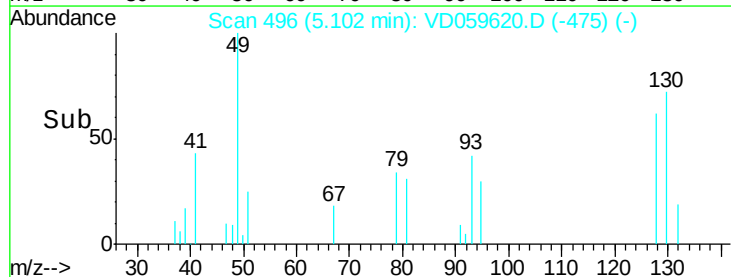
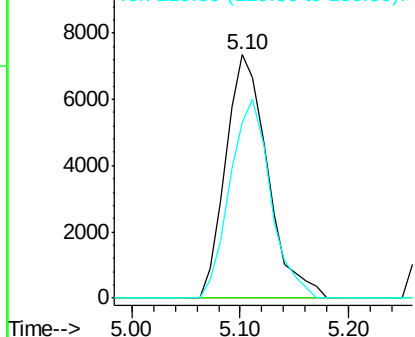
#28

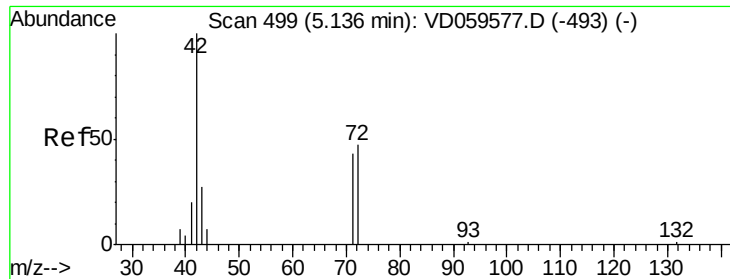
Bromochloromethane
 Concen: 23.463 ug/l
 RT: 5.10 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 49 Resp: 19727
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 72.4 64.6 96.8



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





#29

Tetrahydrofuran

Concen: 107.772 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.02 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

ClientSampled :

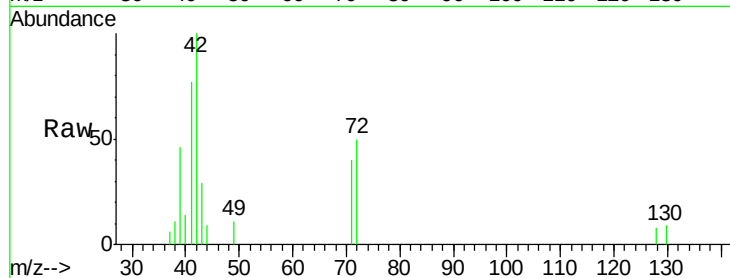
Tot Ion: 42 Resp: 17997

Ion Ratio Lower Upper

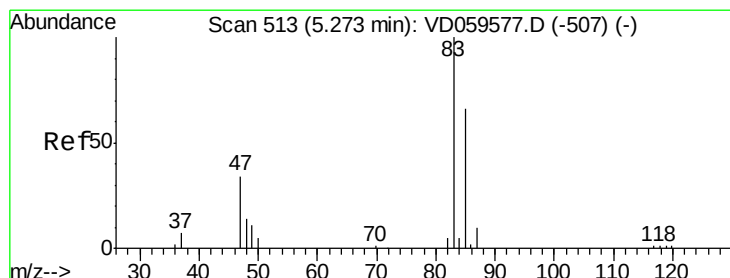
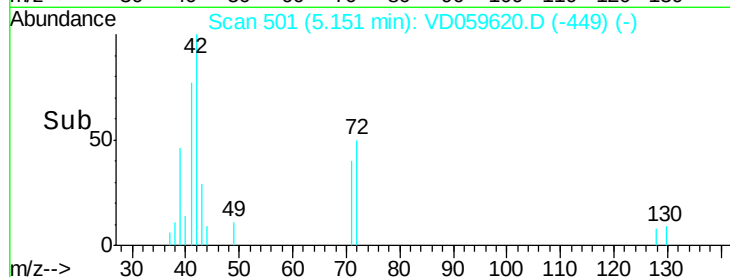
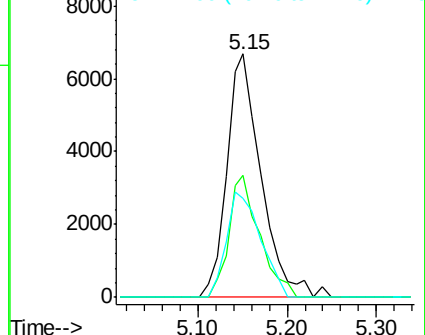
42 100

72 44.8 35.0 52.4

71 42.7 34.2 51.2



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



#30

Chloroform

Concen: 23.780 ug/l

RT: 5.29 min Scan# 515

Delta R.T. 0.02 min

Lab File: VD059620.D

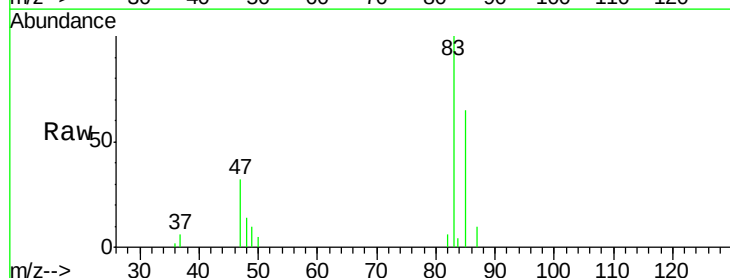
Acq: 27 Jul 2018 19:21

Tgt Ion: 83 Resp: 60434

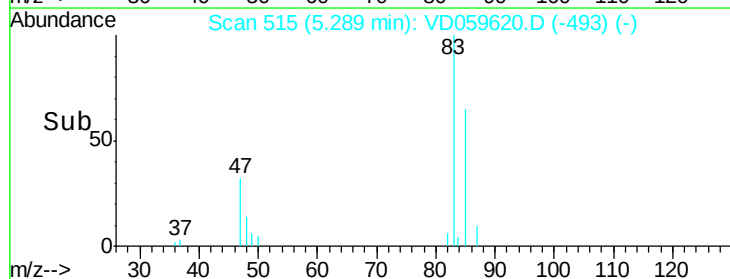
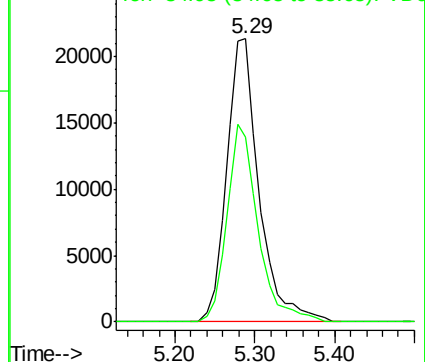
Ion Ratio Lower Upper

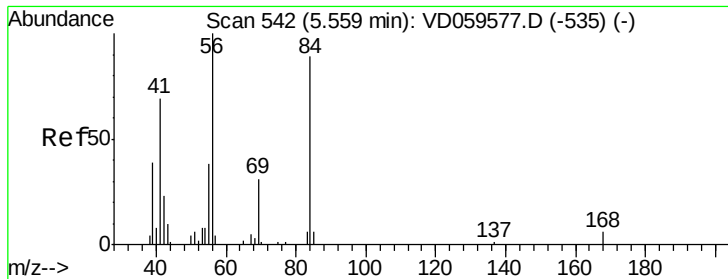
83 100

85 65.1 53.0 79.6



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





#31

Cvclohexane

Concen: 19.058 ug/l

RT: 5.54 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

ClientSampled :

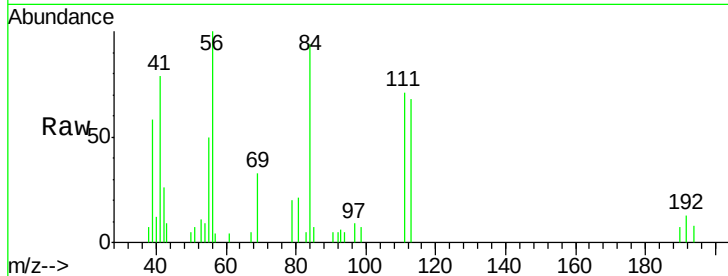
Tot Ion: 56 Resp: 30687

Ion Ratio Lower Upper

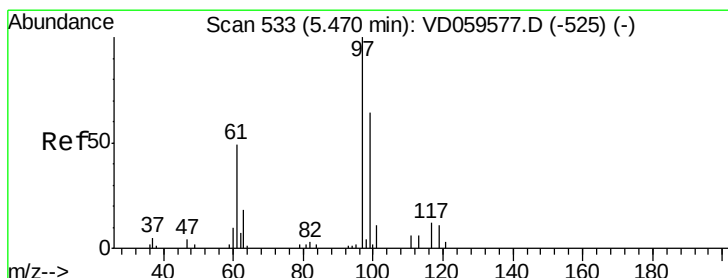
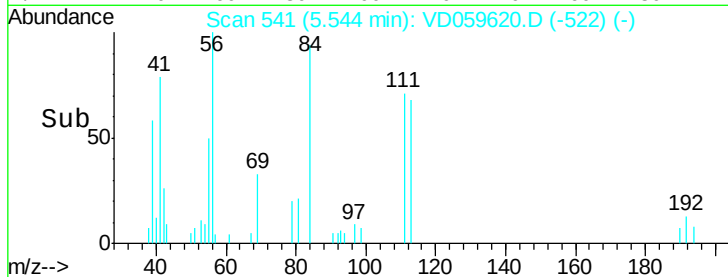
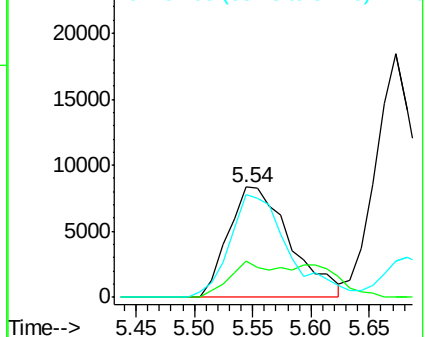
56 100

69 33.3 24.6 37.0

84 94.1 72.7 109.1



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



#32

1,1,1-Trichloroethane

Concen: 22.252 ug/l

RT: 5.48 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

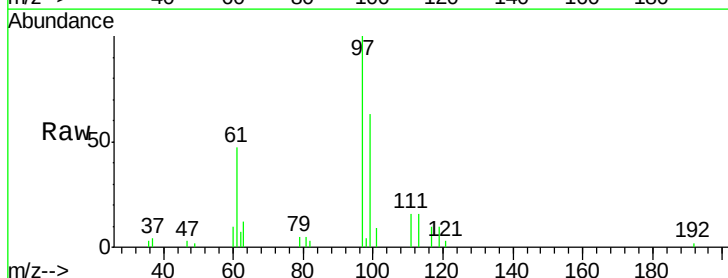
Tgt Ion: 97 Resp: 54750

Ion Ratio Lower Upper

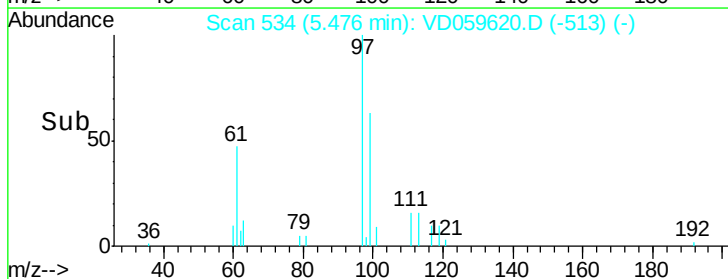
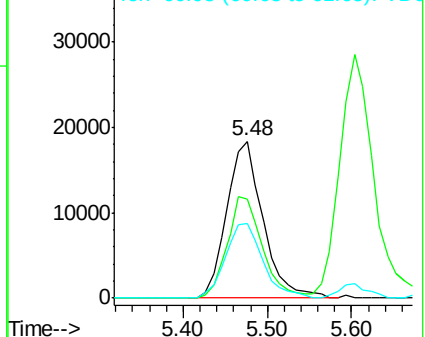
97 100

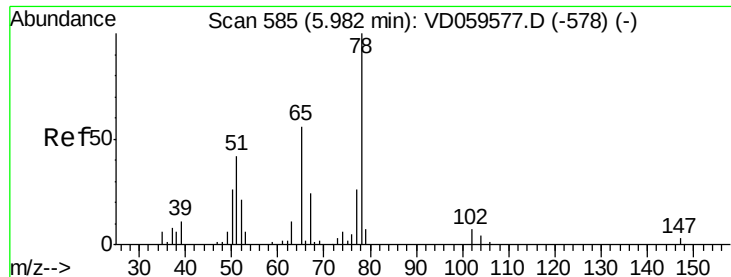
99 62.9 50.9 76.3

61 47.5 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 22.252 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

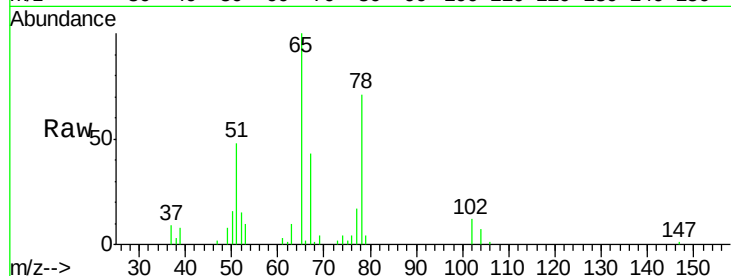
ClientSampleId :

Tot Ion: 65 Resp: 87474

Ion Ratio Lower Upper

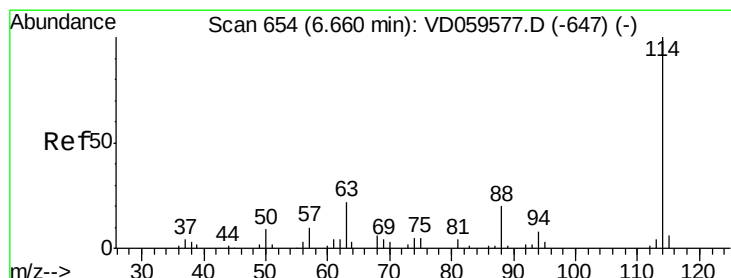
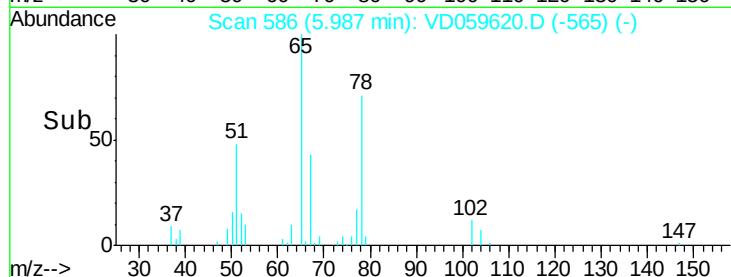
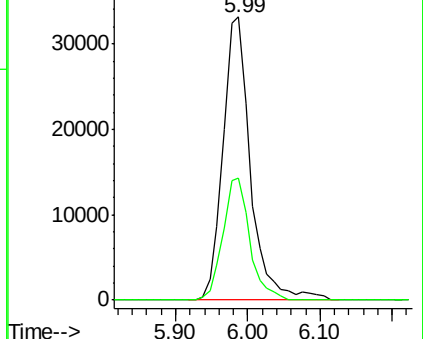
65 100

67 43.3 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

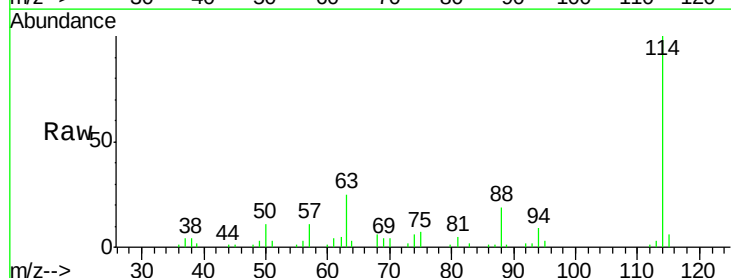
Tgt Ion: 114 Resp: 161632

Ion Ratio Lower Upper

114 100

63 24.8 0.0 43.8

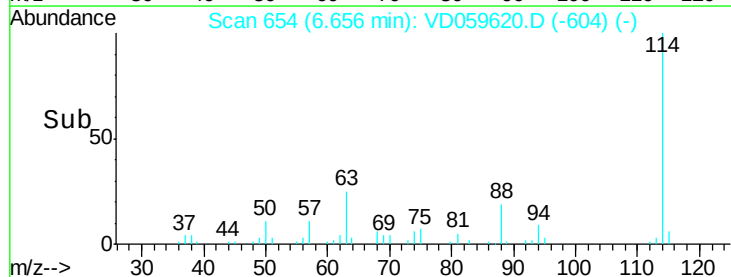
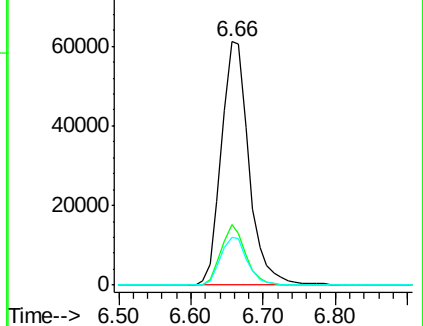
88 19.4 0.0 39.0

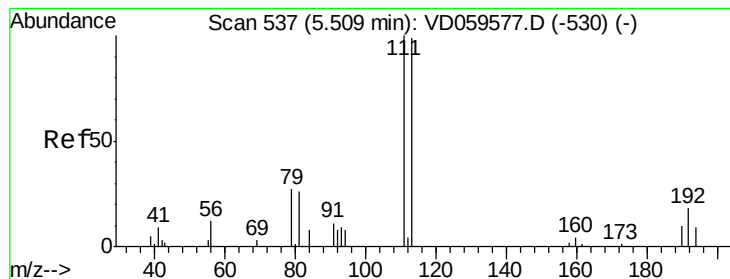


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

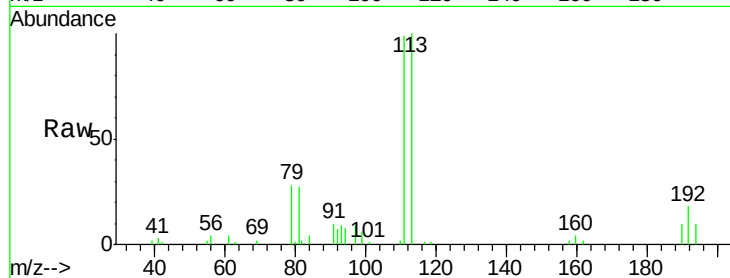
Tot Ion:113 Resp: 79513

Ion Ratio Lower Upper

113 100

111 99.5 80.5 120.7

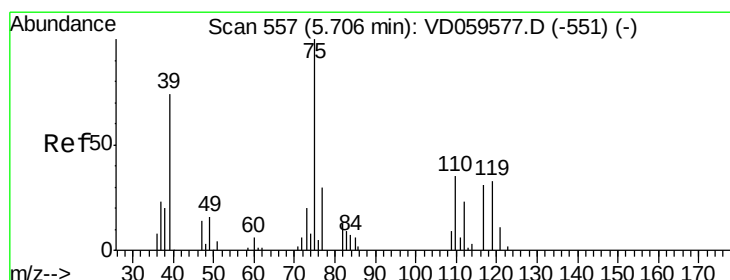
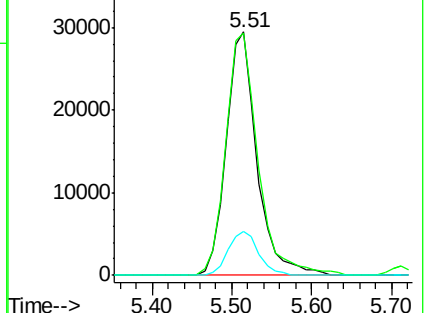
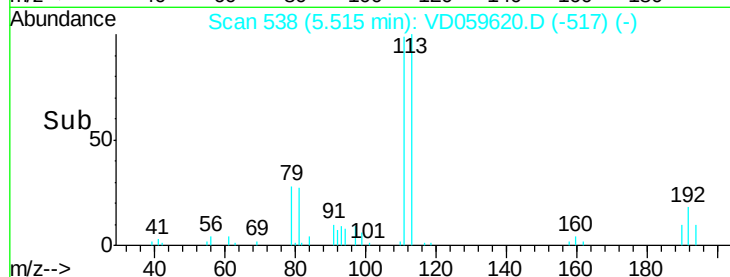
192 18.2 14.5 21.7



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: 23.633 ug/l

RT: 5.70 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

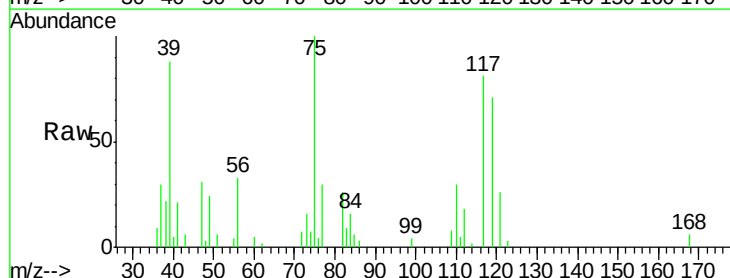
Tgt Ion: 75 Resp: 38331

Ion Ratio Lower Upper

75 100

110 29.8 17.0 50.9

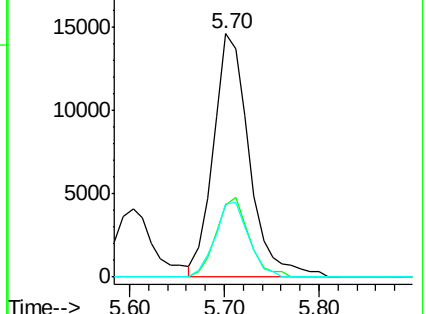
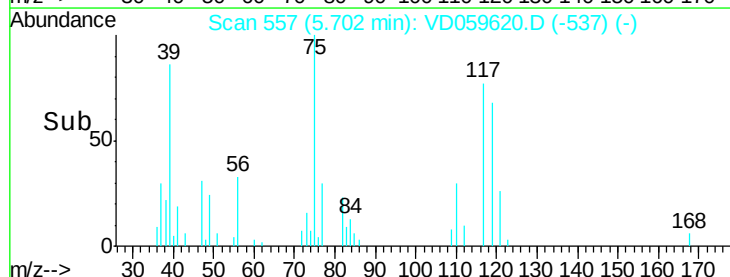
77 29.9 23.6 35.4

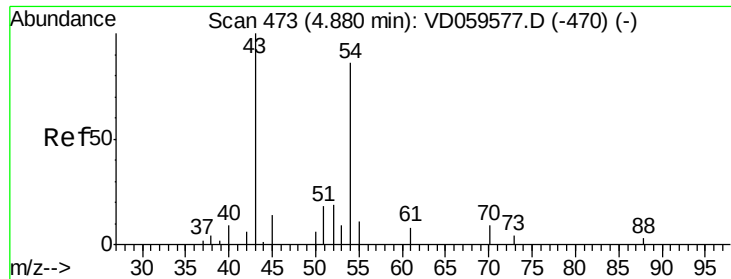


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

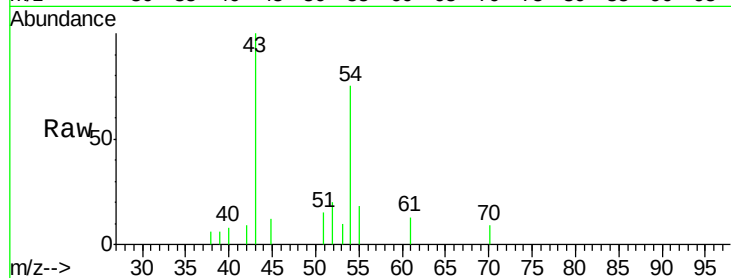




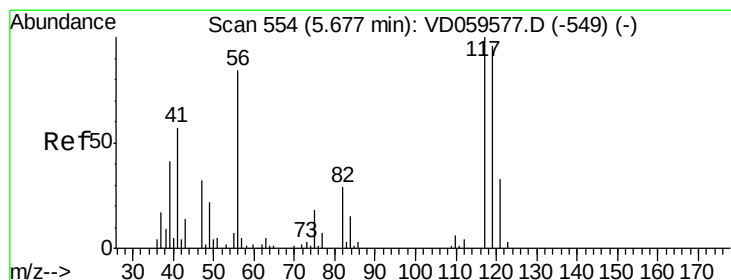
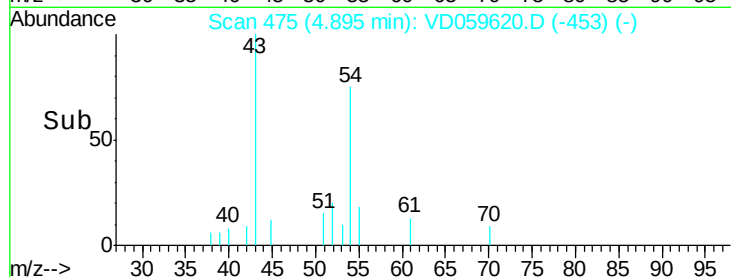
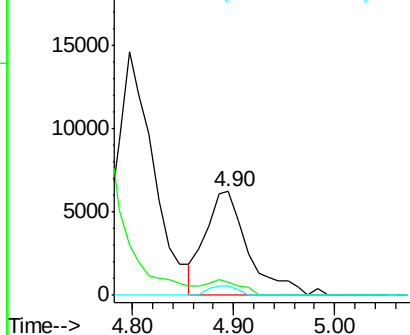
#37
Ethyl Acetate
Concen: 22.090 ug/l
RT: 4.90 min Scan# 475
Delta R.T. 0.02 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 18430
Ion Ratio Lower Upper
43 100
61 13.0 10.7 16.1
70 9.2 5.4 8.0#

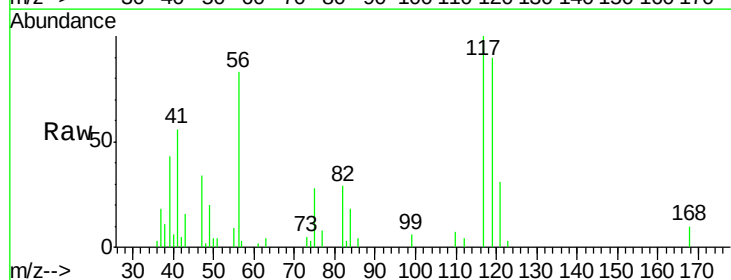


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

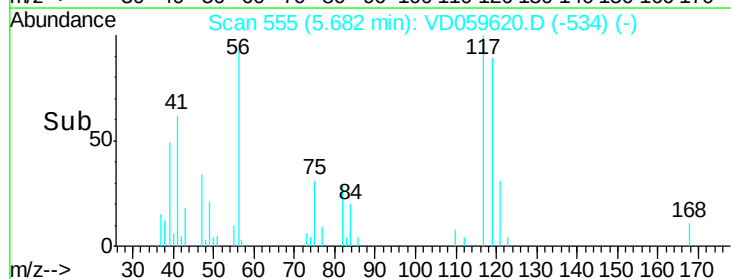
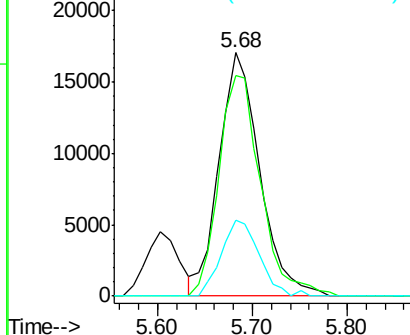


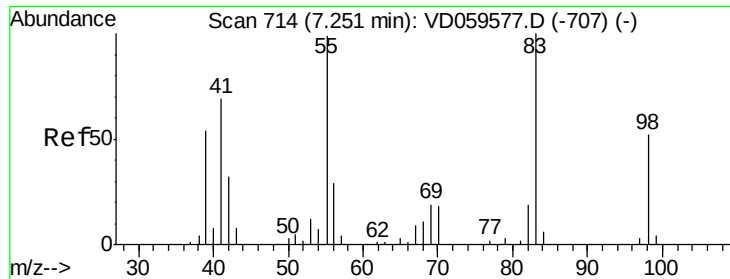
#38
Carbon Tetrachloride
Concen: 22.875 ug/l
RT: 5.68 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion: 117 Resp: 50804
Ion Ratio Lower Upper
117 100
119 90.5 73.6 110.4
121 31.3 25.0 37.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

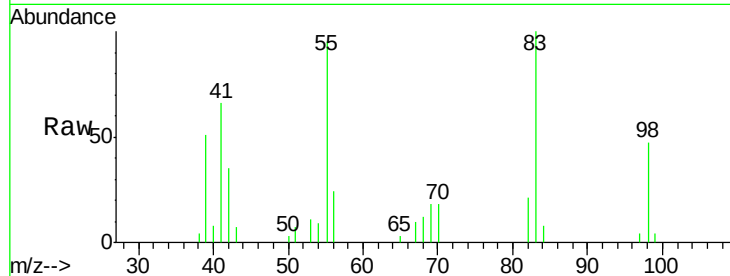




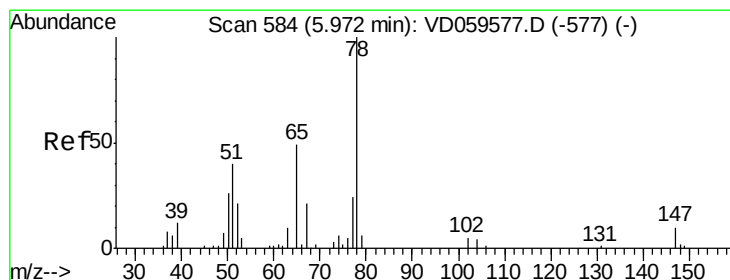
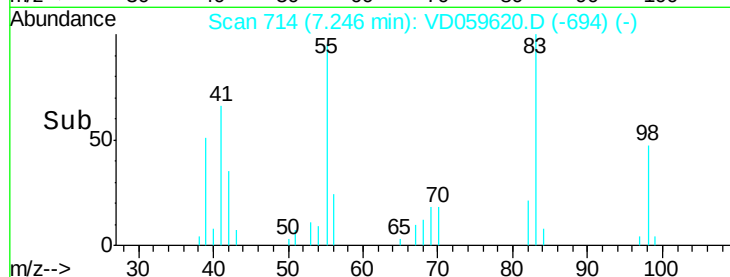
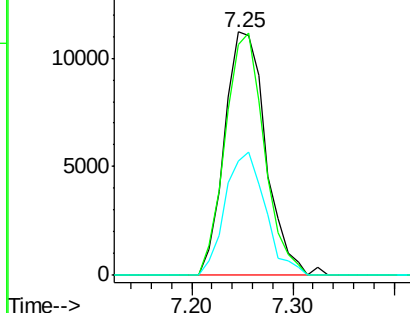
#39
Methylvlcyclohexane
Concen: 21.316 ug/l
RT: 7.25 min Scan# 714
Delta R.T. -0.00 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 31792
Ion Ratio Lower Upper
83 100
55 94.8 79.4 119.0
98 47.1 41.6 62.4

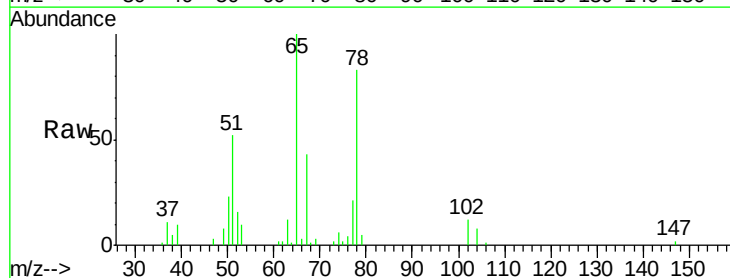


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

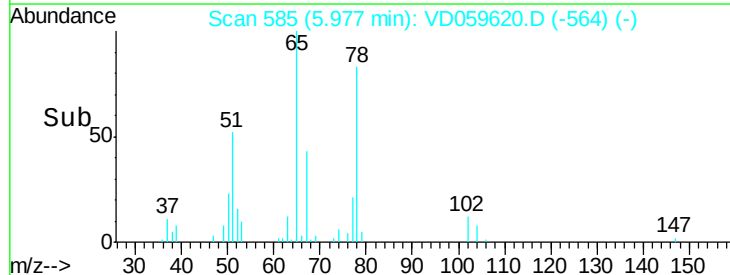
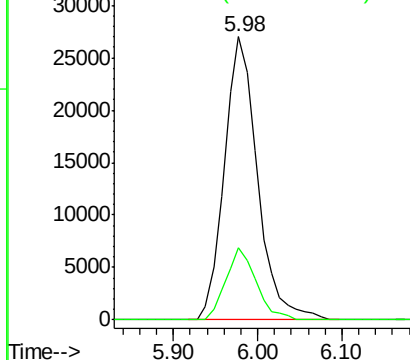


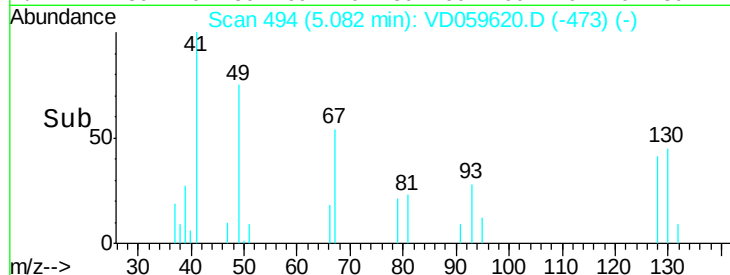
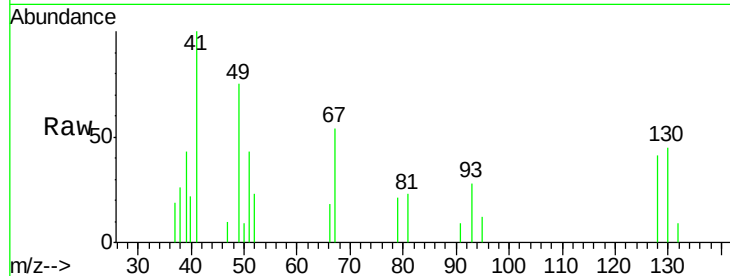
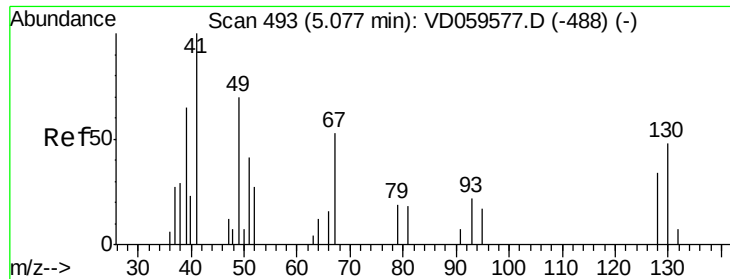
#40
Benzene
Concen: 22.177 ug/l
RT: 5.98 min Scan# 585
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion: 78 Resp: 73762
Ion Ratio Lower Upper
78 100
77 25.7 19.0 28.6



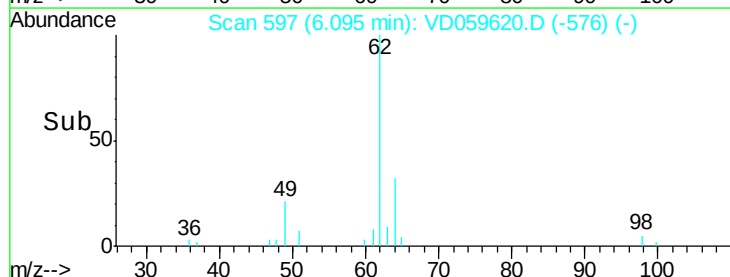
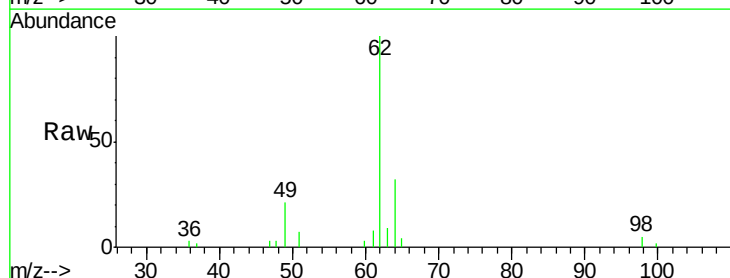
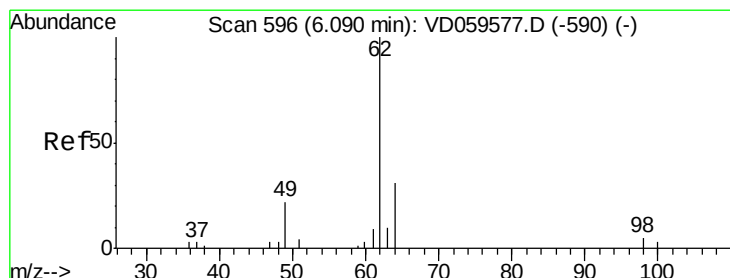
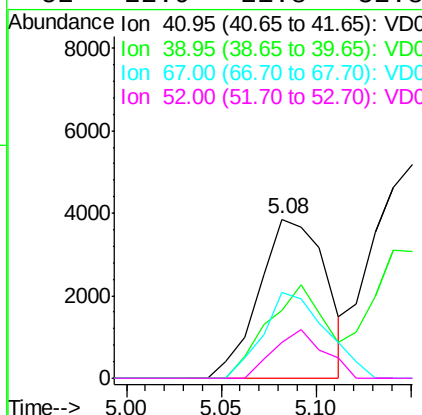
Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





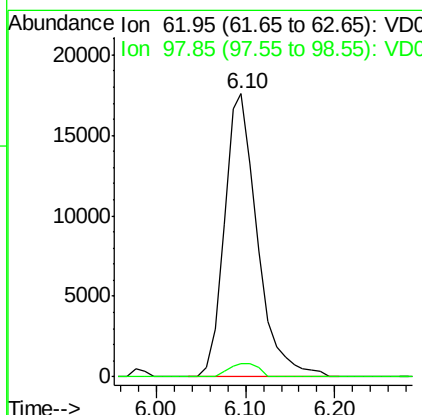
#41
Methacrylonitrile
Concen: 22.798 ug/l
RT: 5.08 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

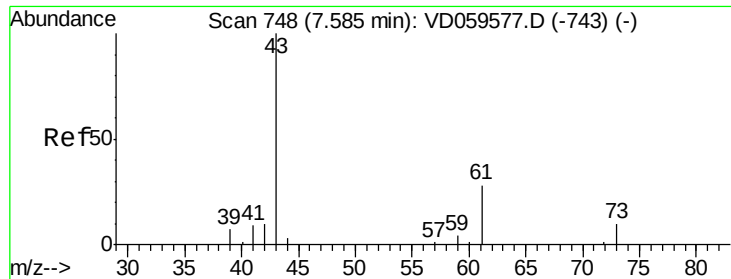
Tot Ion: 41 Resp: 9492
Ion Ratio Lower Upper
41 100
39 42.7 52.1 78.1#
67 53.7 42.5 63.7
52 22.9 21.8 32.8



#42
1,2-Dichloroethane
Concen: 22.681 ug/l
RT: 6.10 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion: 62 Resp: 45452
Ion Ratio Lower Upper
62 100
98 4.8 0.0 10.2



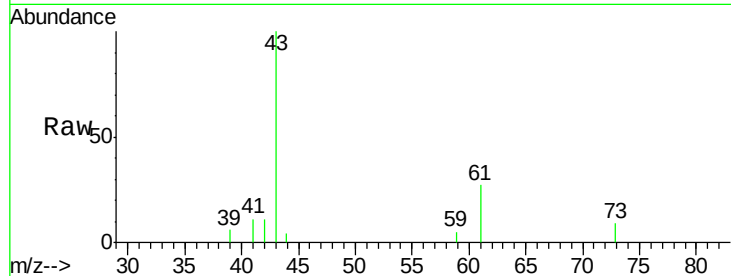


#43

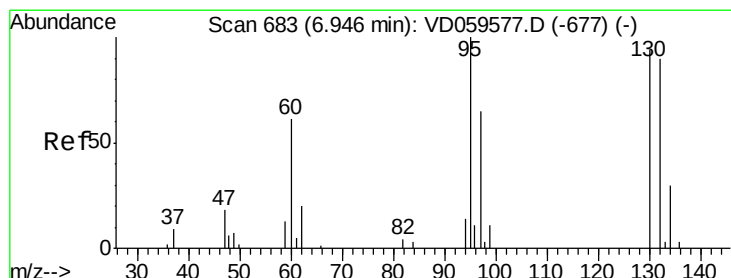
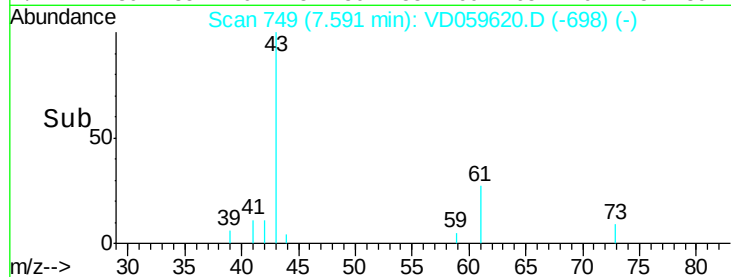
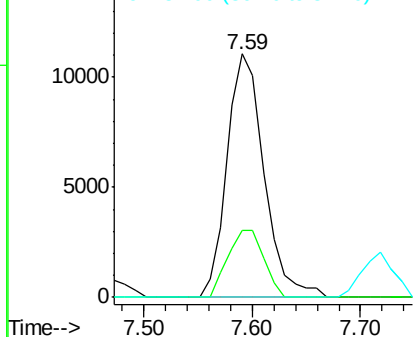
Isopropyl Acetate
 Concen: 22.734 ug/l
 RT: 7.59 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 26302
 Ion Ratio Lower Upper
 43 100
 61 27.4 22.0 33.0
 87 0.0 0.0 0.0



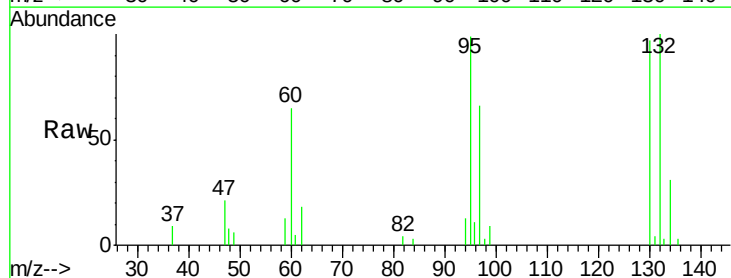
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



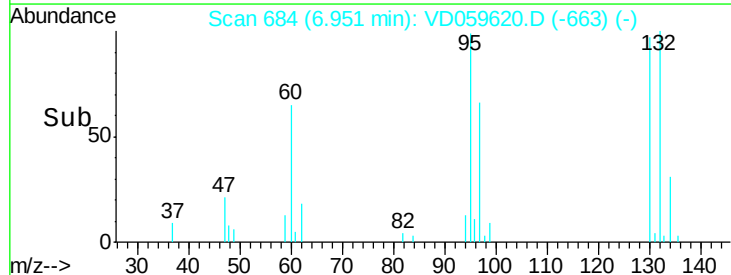
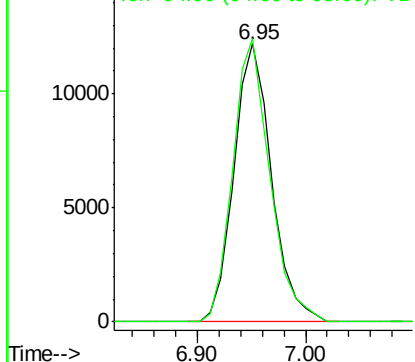
#44

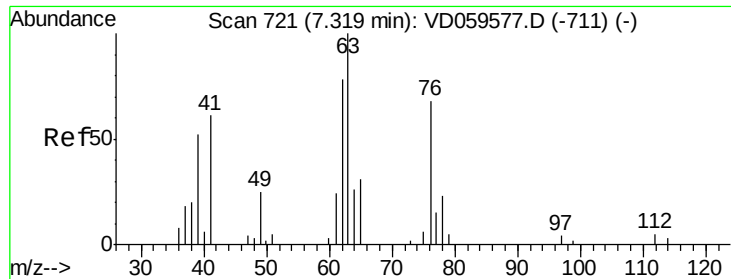
Trichloroethene
 Concen: 24.351 ug/l
 RT: 6.95 min Scan# 684
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 130 Resp: 29376
 Ion Ratio Lower Upper
 130 100
 95 101.8 0.0 213.2



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

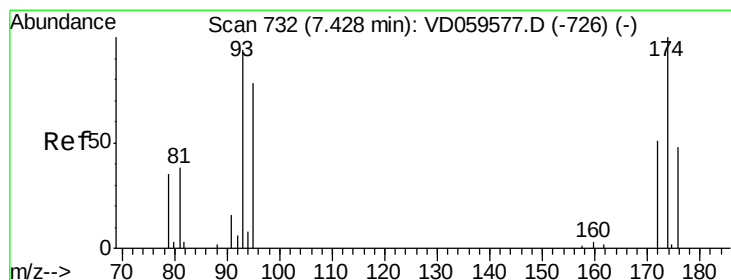
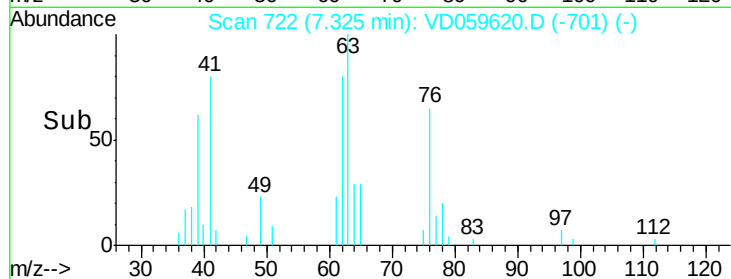
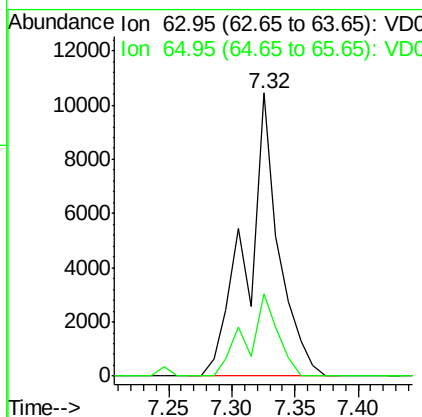
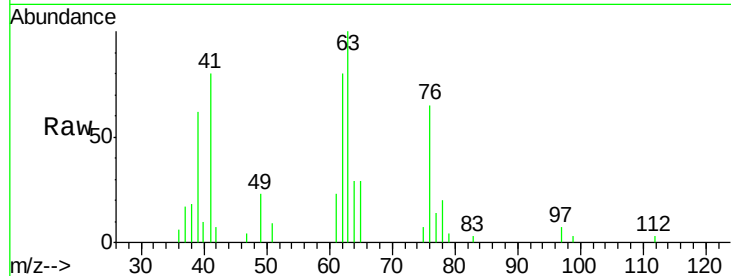




#45
 1,2-Dichloropropane
 Concen: 19.757 ug/l
 RT: 7.32 min Scan# 722
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

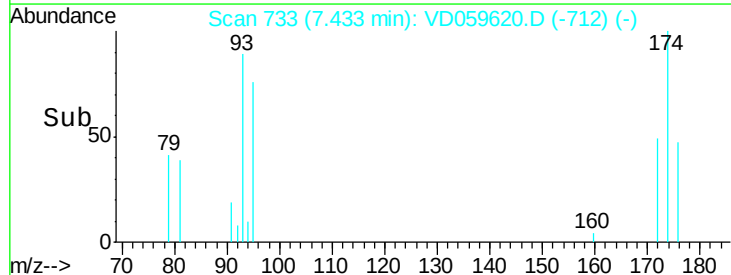
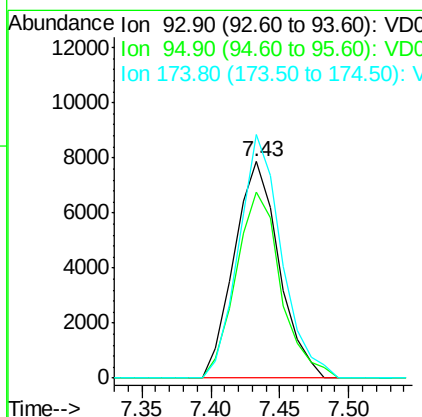
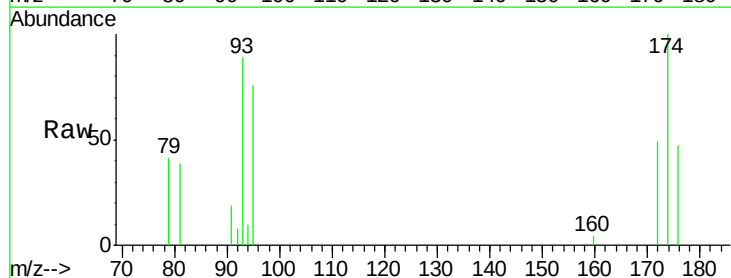
Instrument :
 MSVOA_D
 ClientSampleId :

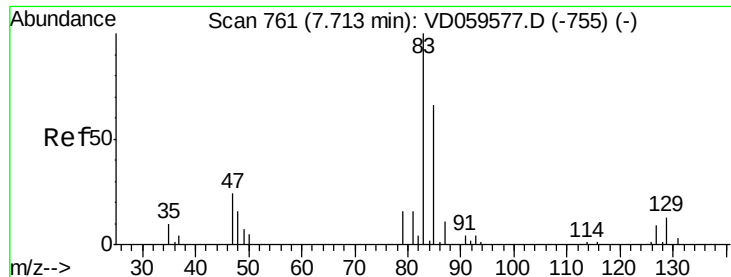
Tot Ion: 63 Resp: 18402
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.9 37.3



#46
 Dibromomethane
 Concen: 22.678 ug/l
 RT: 7.43 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 93 Resp: 17854
 Ion Ratio Lower Upper
 93 100
 95 85.9 65.8 98.8
 174 112.4 84.7 127.1





#47

Bromodichloromethane

Concen: 23.558 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

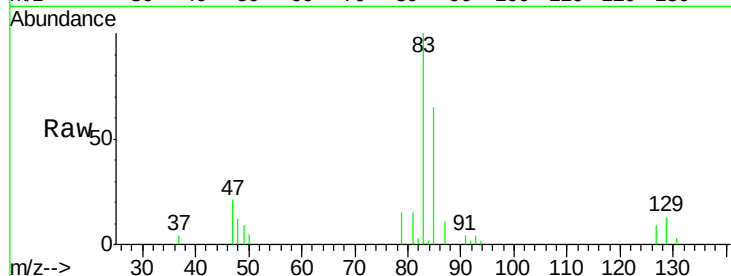
Tot Ion: 83 Resp: 44298

Ion Ratio Lower Upper

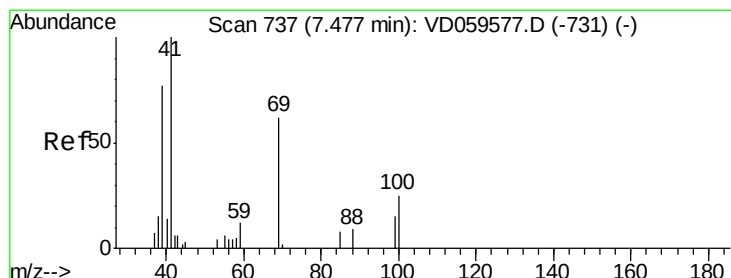
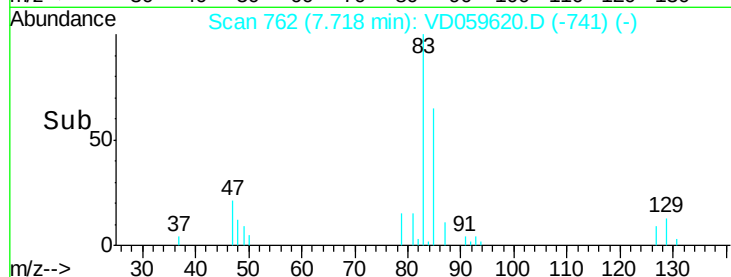
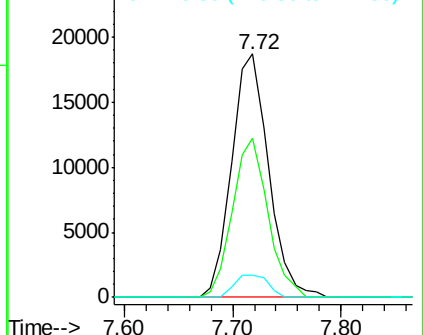
83 100

85 65.2 53.1 79.7

127 8.9 7.4 11.0



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: 21.636 ug/l

RT: 7.47 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

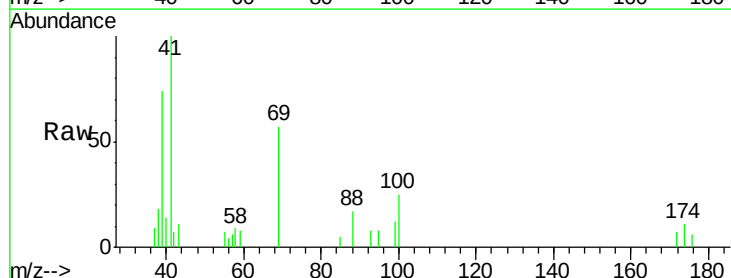
Tgt Ion: 41 Resp: 16600

Ion Ratio Lower Upper

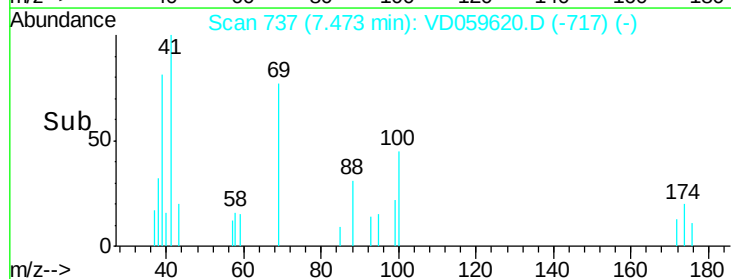
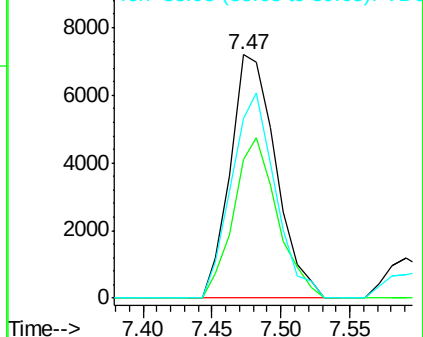
41 100

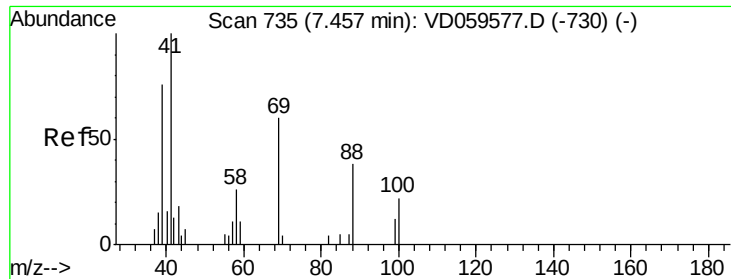
69 57.0 49.4 74.0

39 73.5 61.3 91.9



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: 480.509 ug/l

RT: 7.46 min Scan# 736

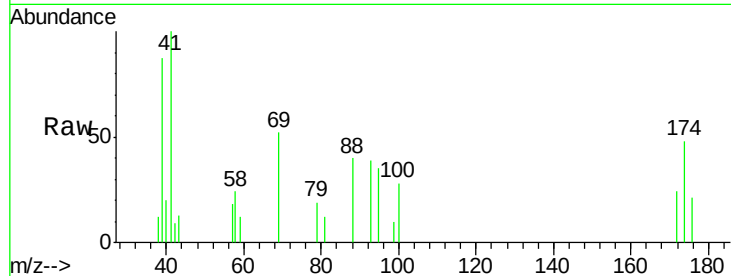
Delta R.T. 0.01 min

Lab File: VD059620.D

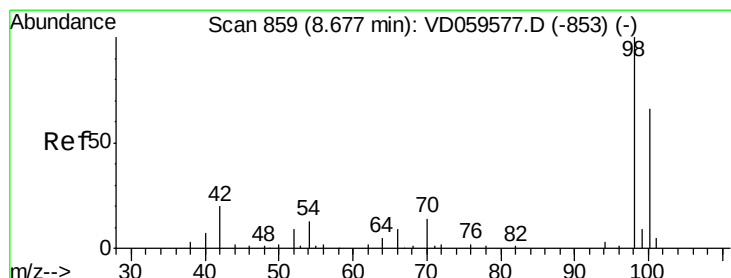
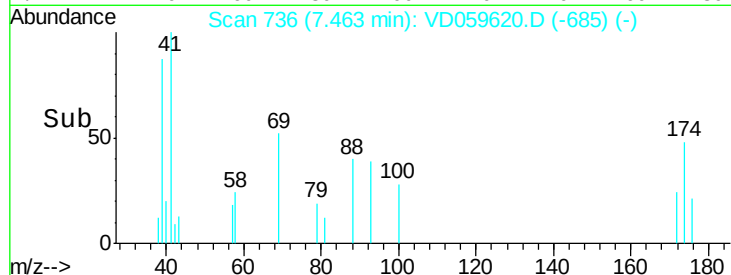
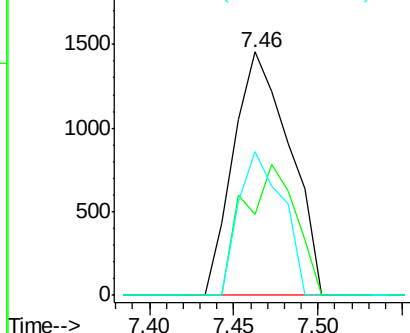
Acq: 27 Jul 2018 19:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 3364
Ion Ratio Lower Upper
88 100
43 33.4 37.4 56.2#
58 59.1 55.6 83.4



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



#50

Toluene-d8

Concen: 480.509 ug/l

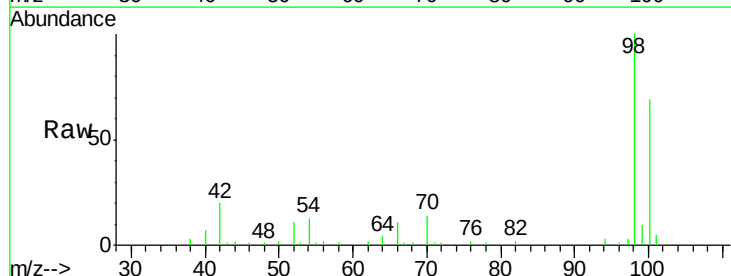
RT: 8.68 min Scan# 860

Delta R.T. 0.01 min

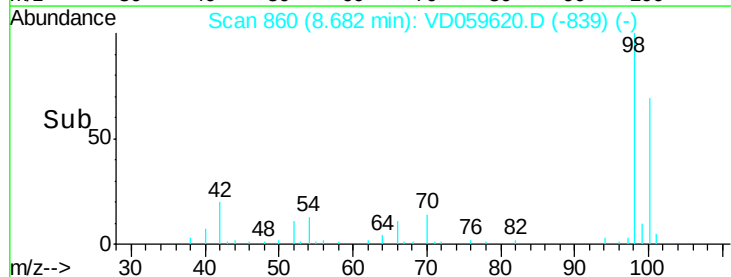
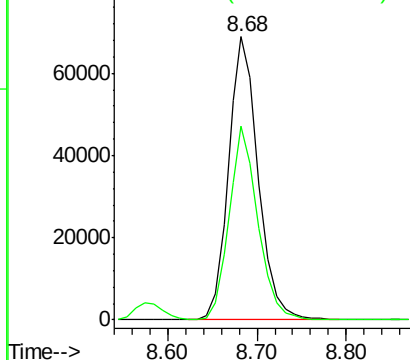
Lab File: VD059620.D

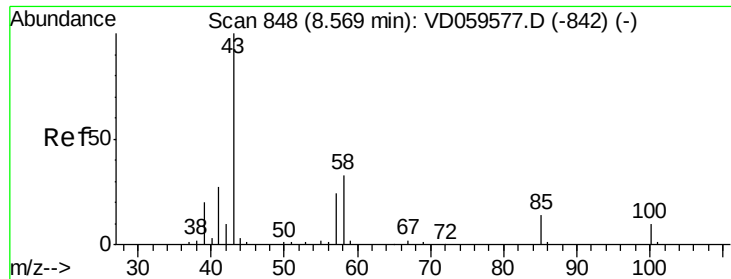
Acq: 27 Jul 2018 19:21

Tgt Ion: 98 Resp: 159800
Ion Ratio Lower Upper
98 100
100 68.5 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 111.368 ug/l

RT: 8.57 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

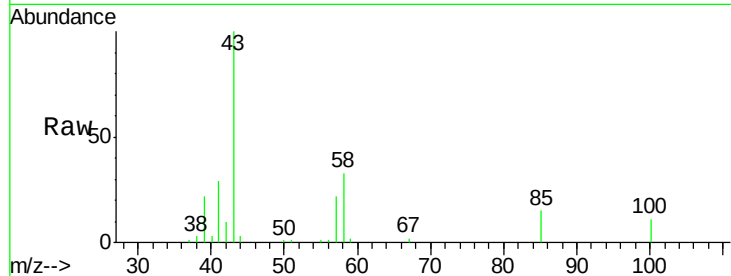
ClientSampleId :

Tot Ion: 43 Resp: 86039

Ion Ratio Lower Upper

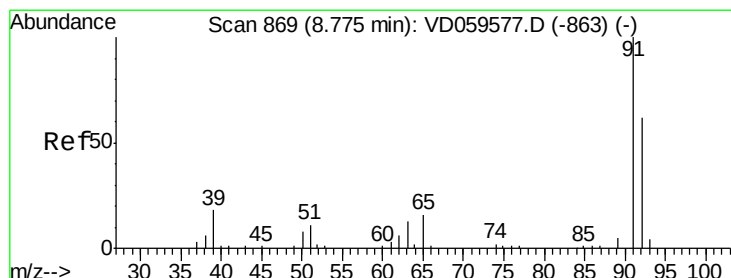
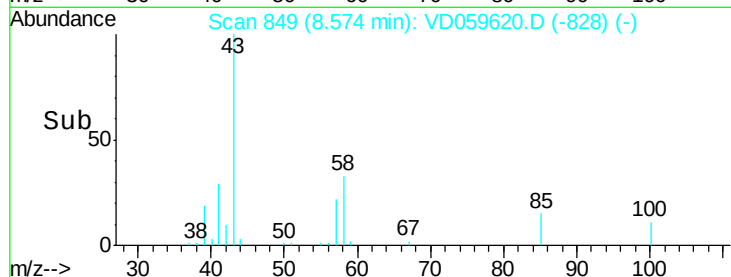
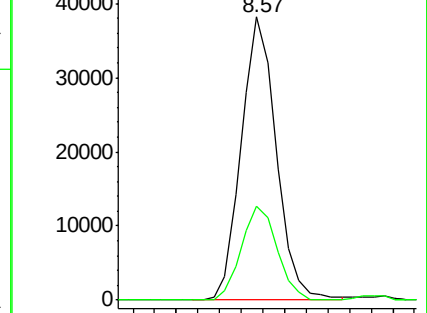
43 100

58 33.0 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.655 ug/l

RT: 8.78 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059620.D

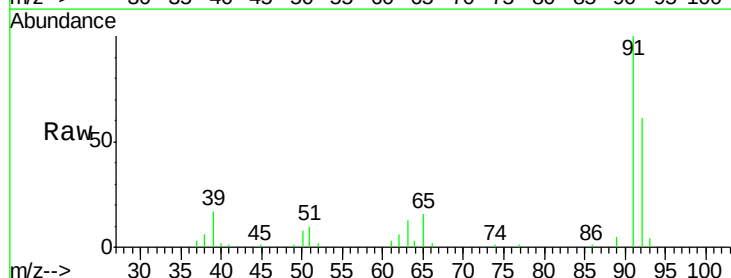
Acq: 27 Jul 2018 19:21

Tgt Ion: 92 Resp: 49965

Ion Ratio Lower Upper

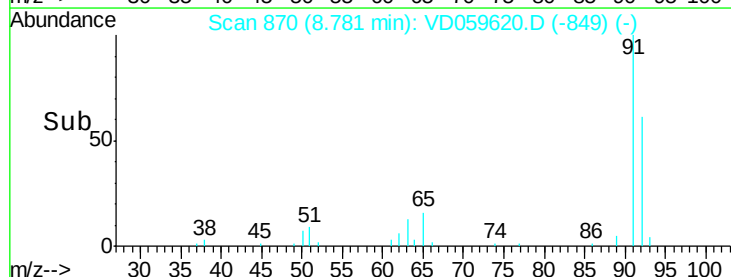
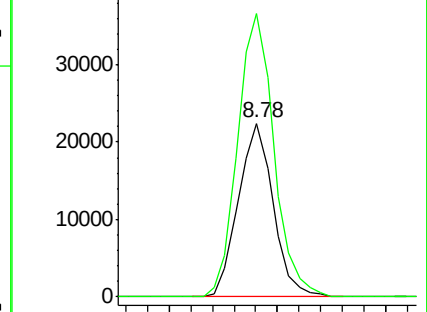
92 100

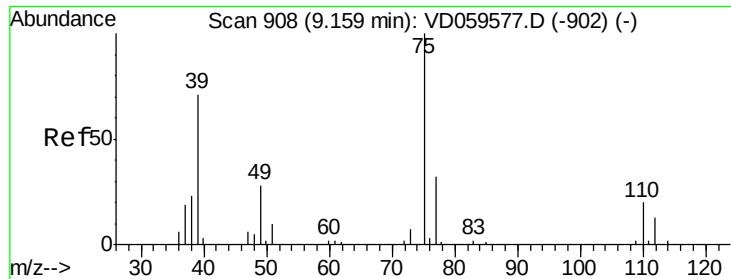
91 162.8 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

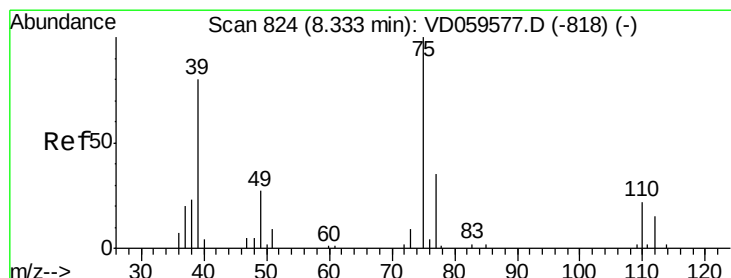
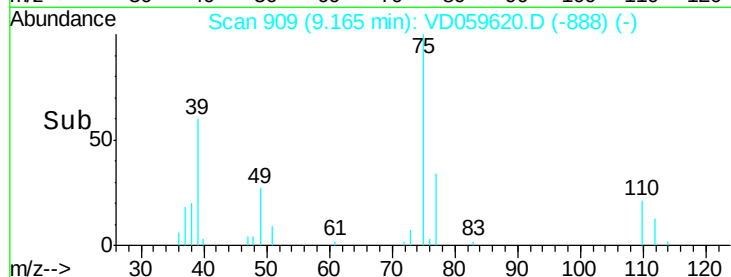
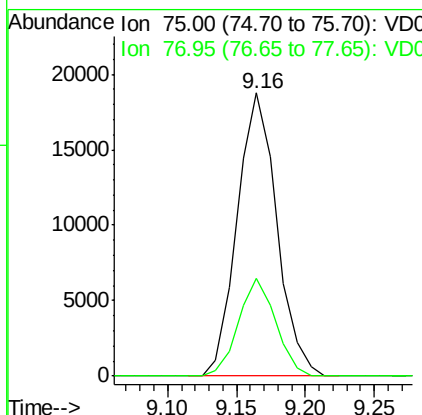
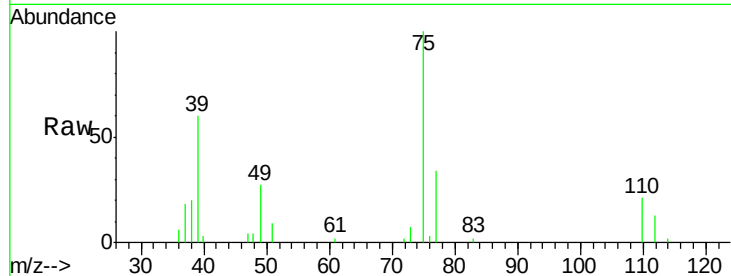




#53
 t-1,3-Dichloropropene
 Concen: 22.154 ug/l
 RT: 9.16 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

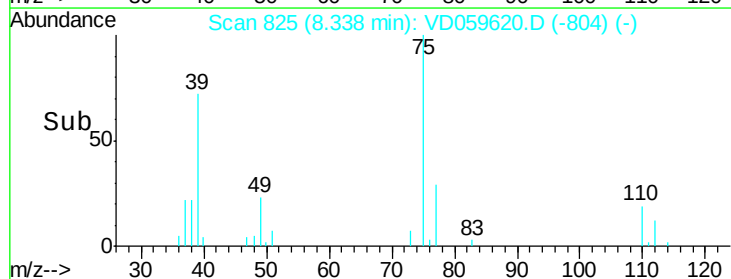
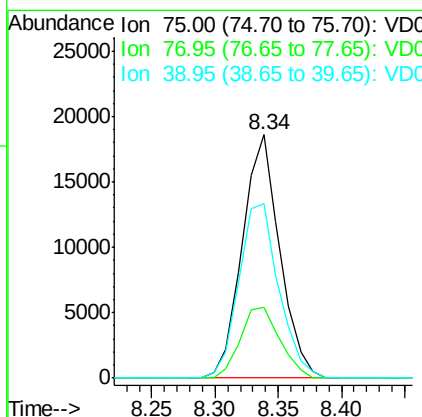
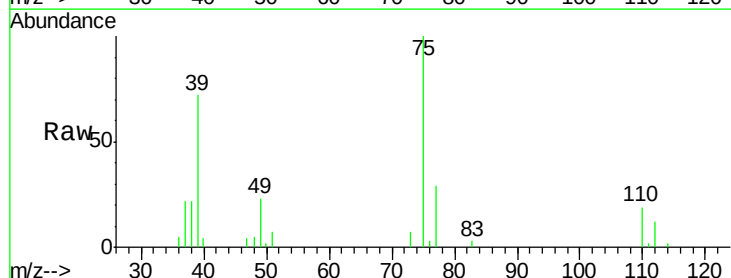
Instrument :
 MSVOA_D
 ClientSampleId :

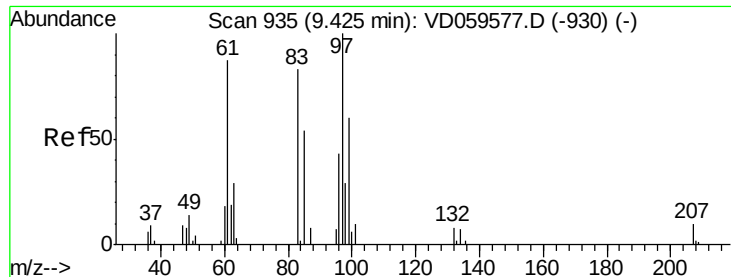
Tot Ion: 75 Resp: 37574
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 22.704 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 75 Resp: 38239
 Ion Ratio Lower Upper
 75 100
 77 28.9 27.7 41.5
 39 71.8 63.8 95.8

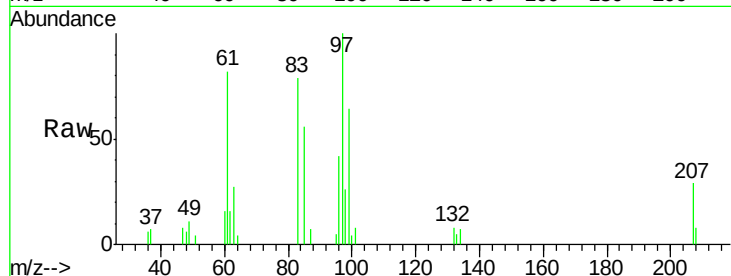




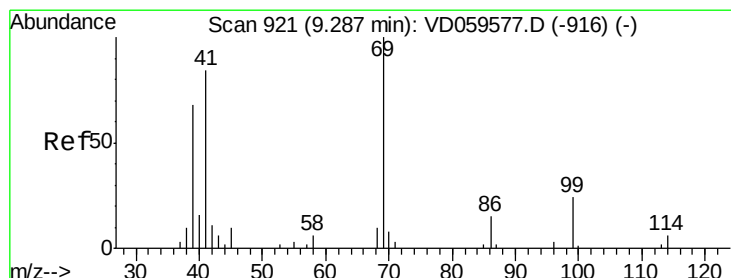
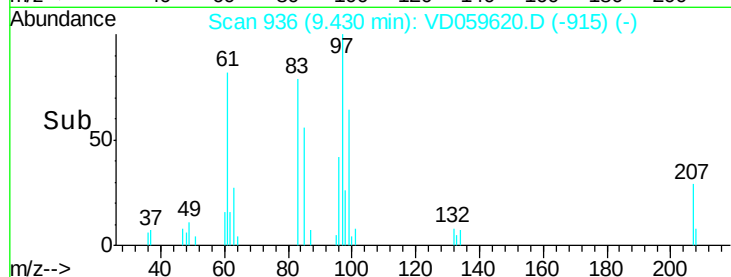
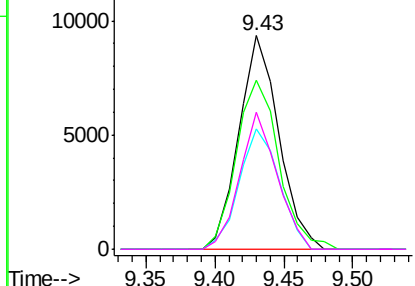
#55
 1,1,2-Trichloroethane
 Concen: 22.785 ug/l
 RT: 9.43 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 18879
 Ion Ratio Lower Upper
 97 100
 83 78.8 66.3 99.5
 85 56.2 43.0 64.6
 99 64.0 47.7 71.5

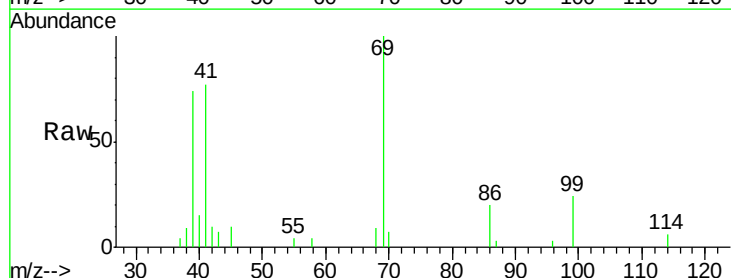


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

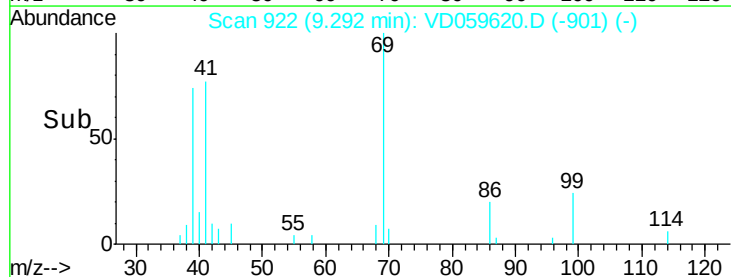
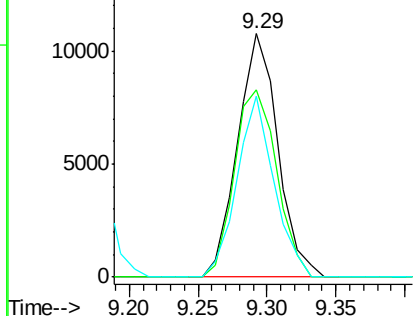


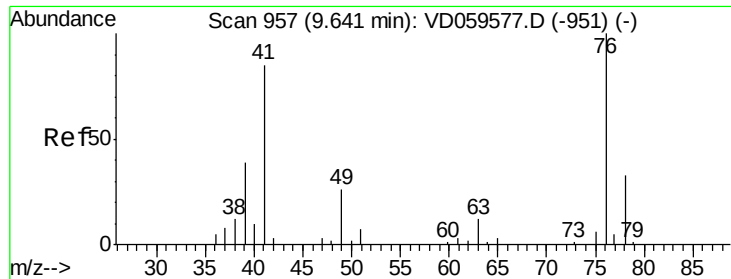
#56
 Ethyl methacrylate
 Concen: 23.267 ug/l
 RT: 9.29 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 69 Resp: 21873
 Ion Ratio Lower Upper
 69 100
 41 76.9 66.8 100.2
 39 74.3 54.7 82.1



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

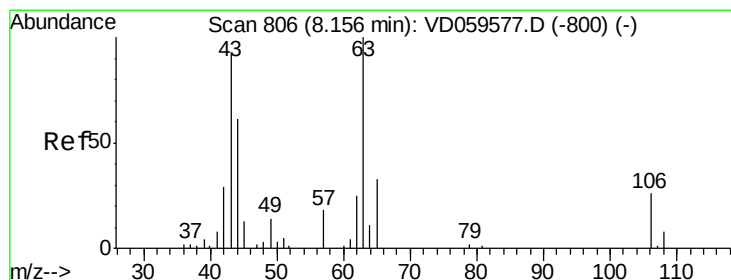
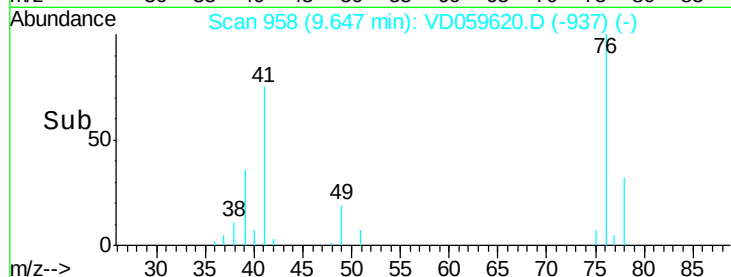
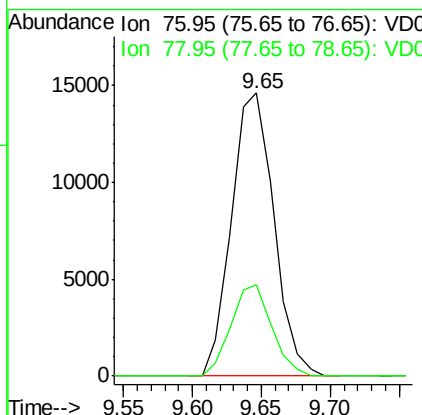
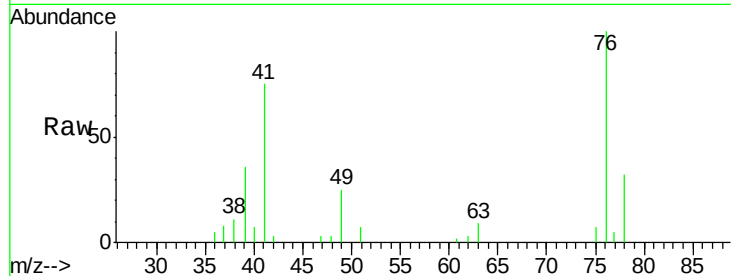




#57
 1,3-Dichloropropane
 Concen: 23.769 ug/l
 RT: 9.65 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

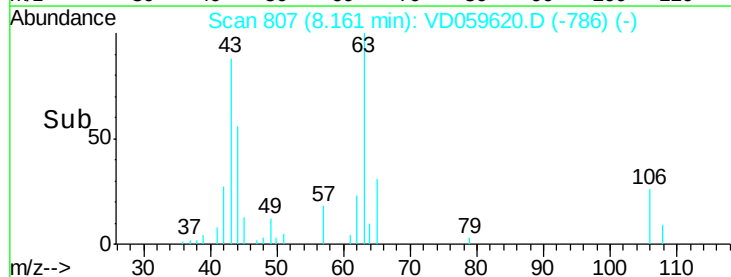
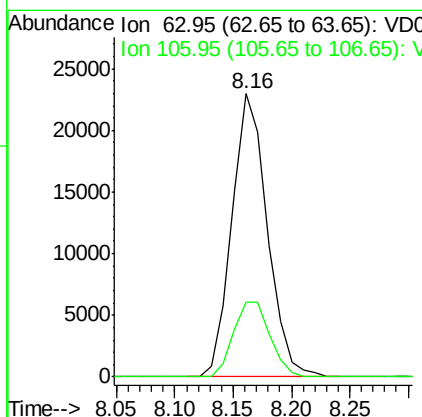
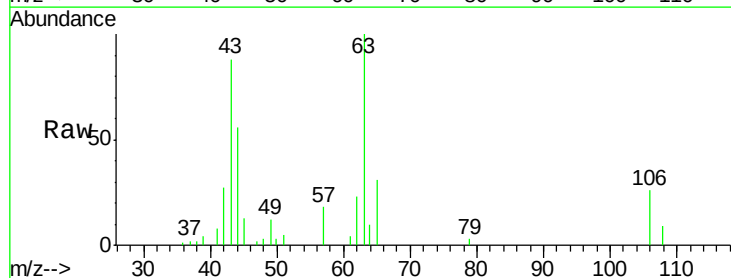
Instrument :
 MSVOA_D
 ClientSampleId :

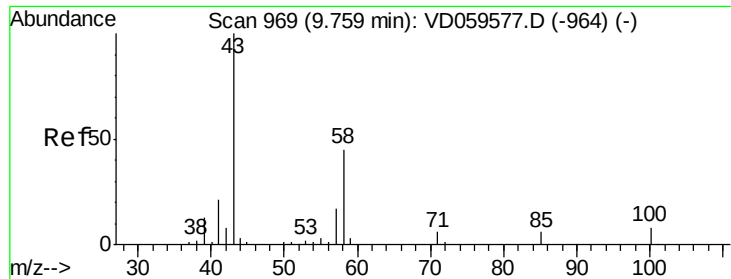
Tot Ion: 76 Resp: 31293
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.349 ug/l
 RT: 8.16 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 63 Resp: 48301
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.0 31.6

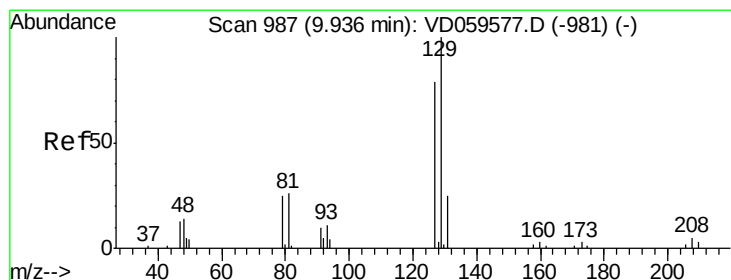
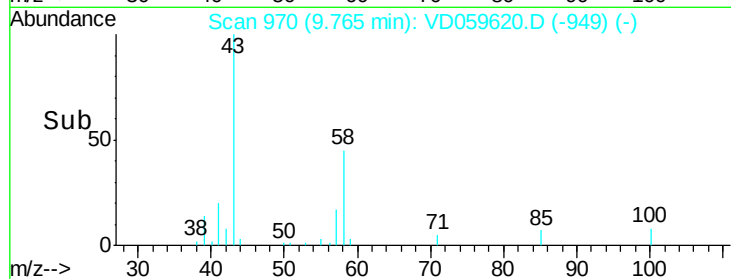
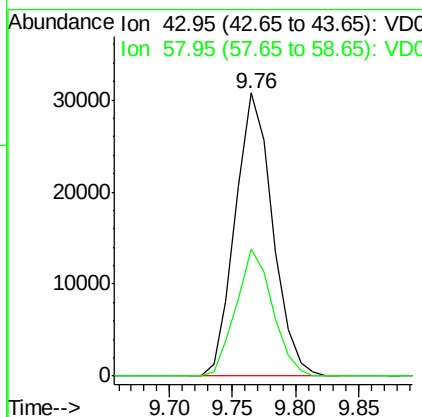
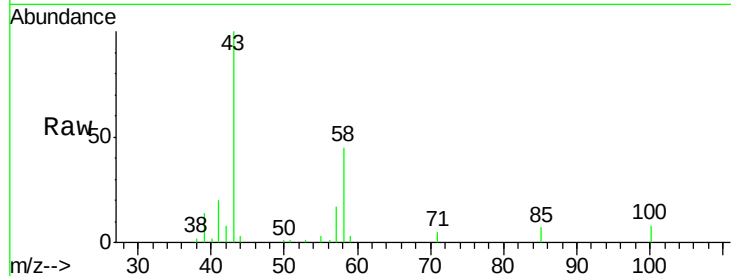




#59
2-Hexanone
Concen: 102.859 ug/l
RT: 9.76 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

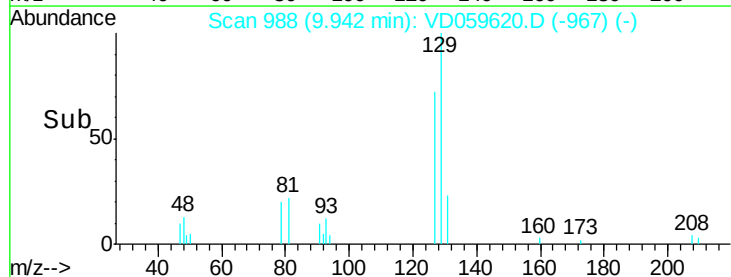
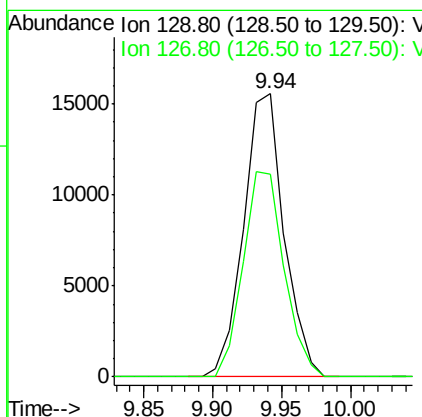
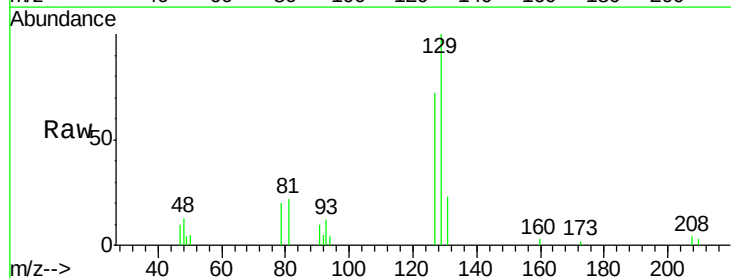
Instrument :
MSVOA_D
ClientSampleId :

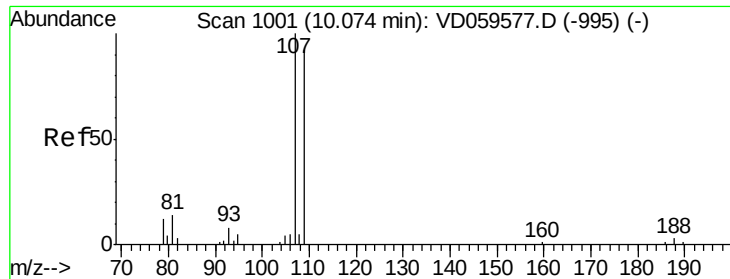
Tot Ion: 43 Resp: 63119
Ion Ratio Lower Upper
43 100
58 45.0 22.7 68.1



#60
Dibromochloromethane
Concen: 23.193 ug/l
RT: 9.94 min Scan# 988
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion:129 Resp: 31902
Ion Ratio Lower Upper
129 100
127 71.8 39.3 117.9

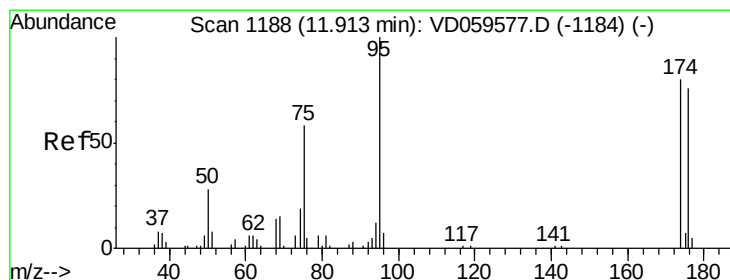
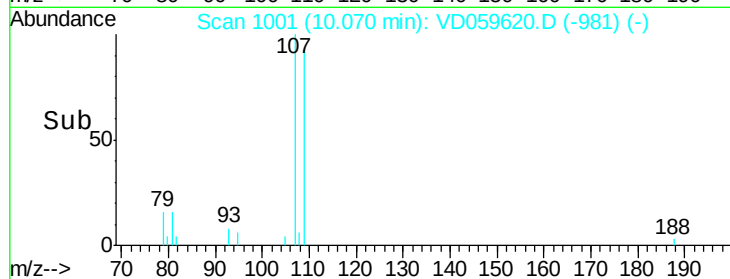
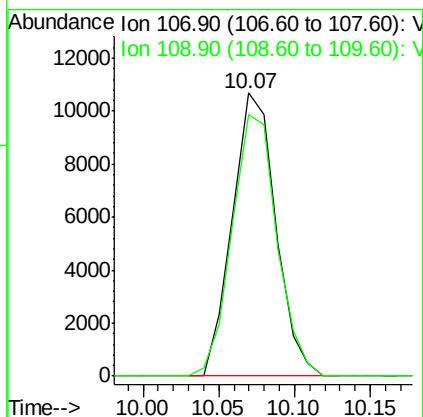
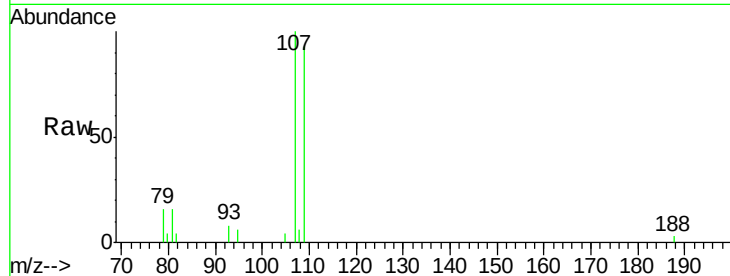




#61
 1,2-Dibromoethane
 Concen: 21.692 ug/l
 RT: 10.07 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

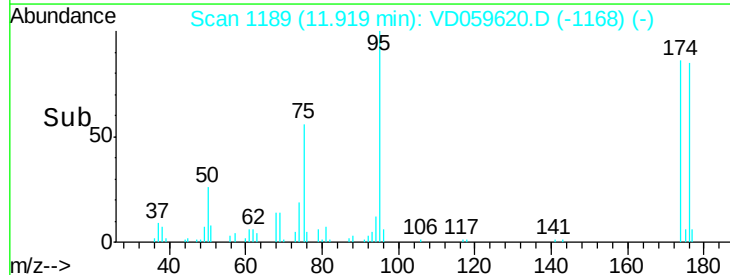
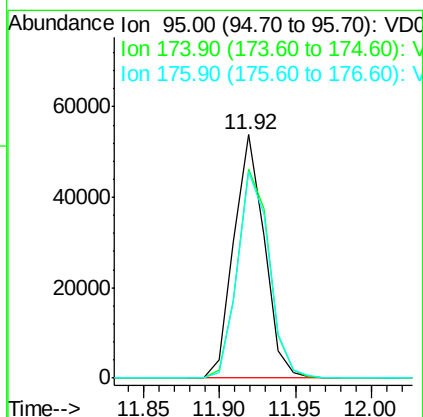
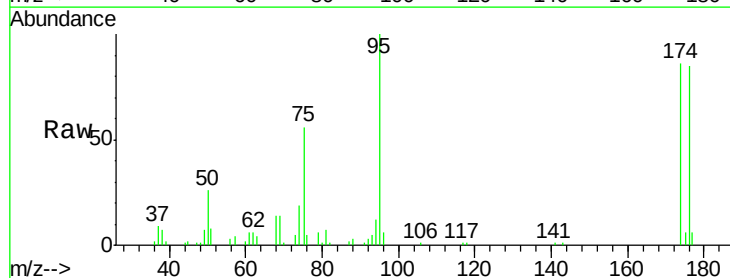
Instrument :
 MSVOA_D
 ClientSampleId :

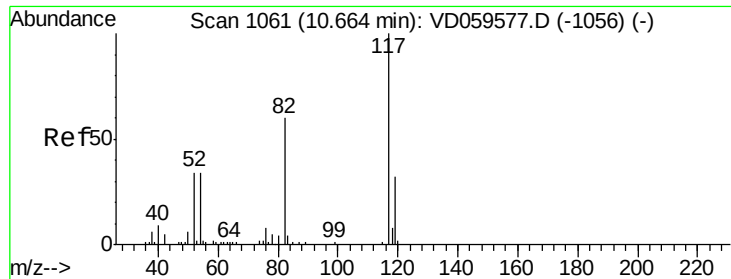
Tot Ion:107 Resp: 21299
 Ion Ratio Lower Upper
 107 100
 109 92.6 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 21.692 ug/l
 RT: 11.92 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 95 Resp: 75293
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 160.6
 176 84.8 0.0 152.8

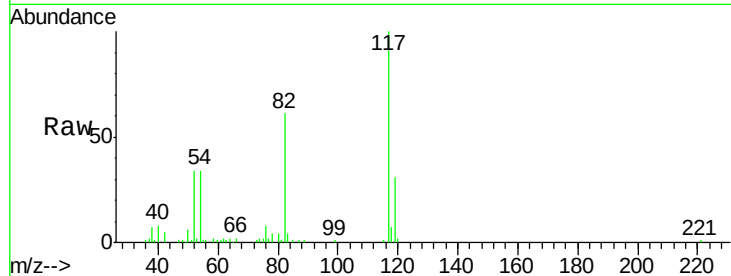




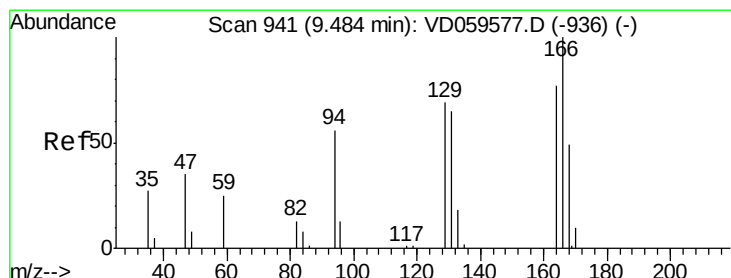
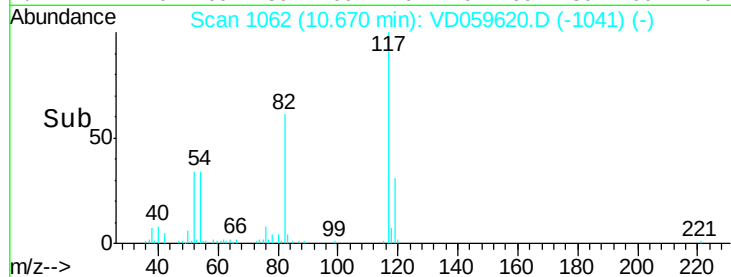
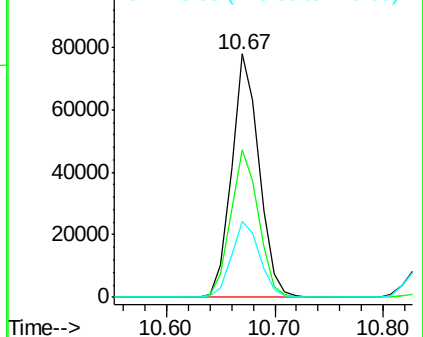
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 136407
Ion Ratio Lower Upper
117 100
82 60.7 48.2 72.2
119 31.4 25.4 38.2

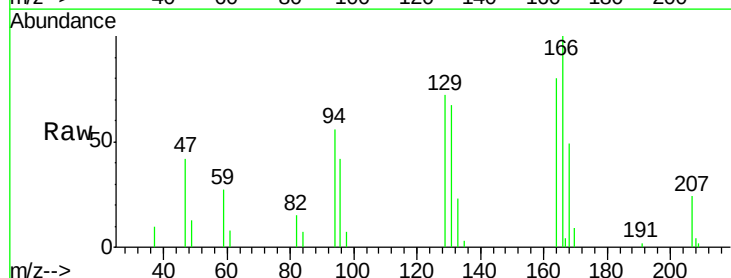


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

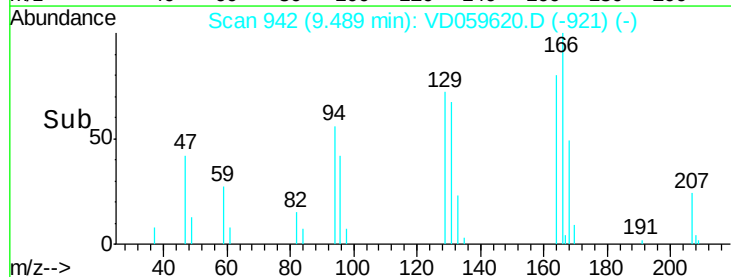
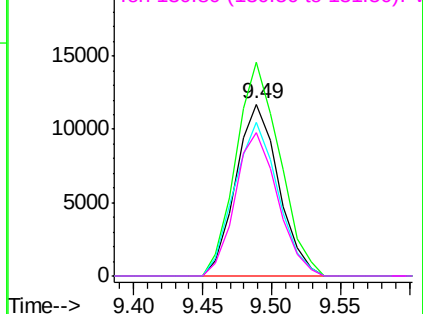


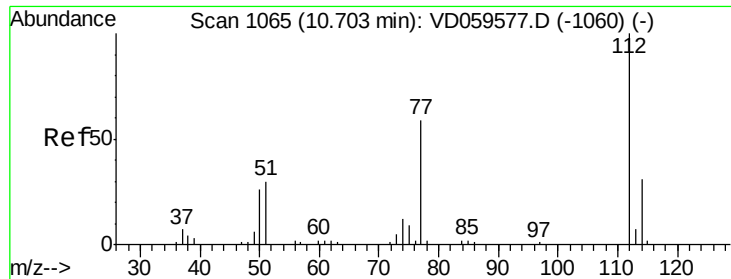
#64
Tetrachloroethene
Concen: 20.443 ug/l
RT: 9.49 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion:164 Resp: 25270
Ion Ratio Lower Upper
164 100
166 124.4 104.0 156.0
129 89.2 72.2 108.4
131 83.8 67.7 101.5



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

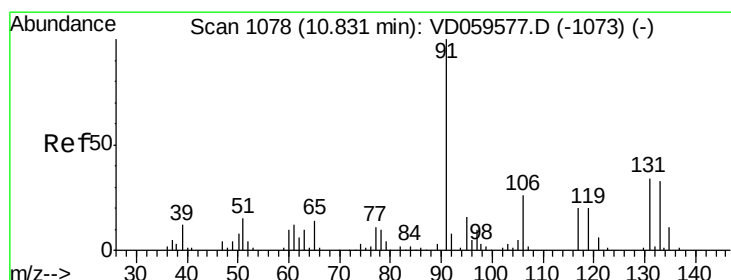
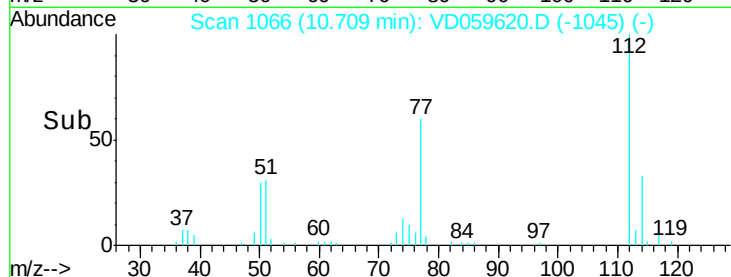
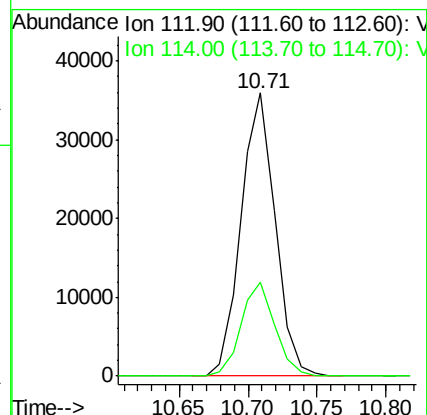
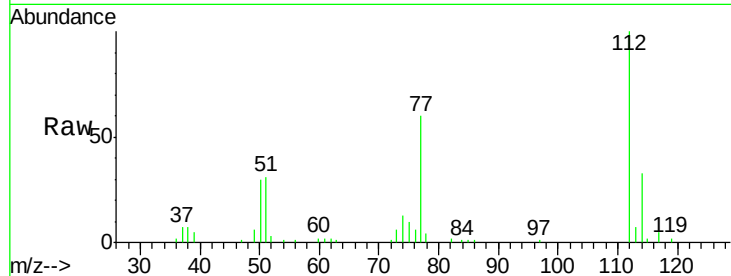




#65
Chlorobenzene
Concen: 22.152 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

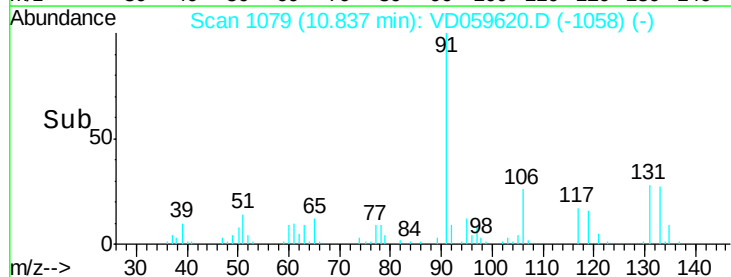
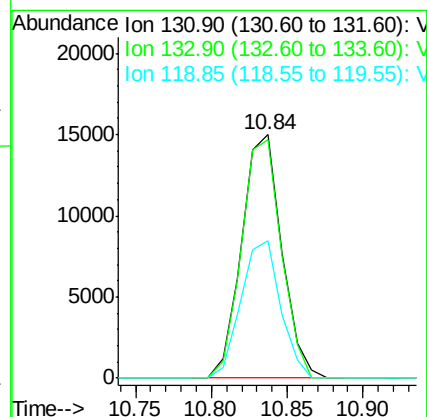
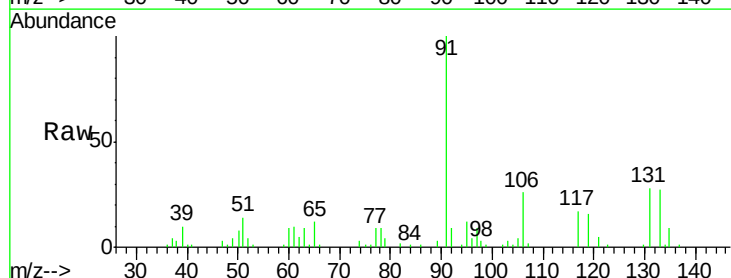
Instrument :
MSVOA_D
ClientSampleId :

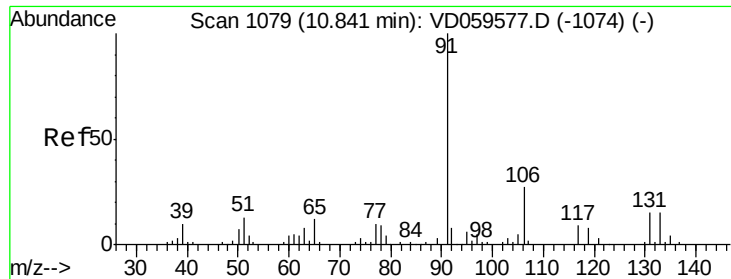
Tot Ion:112 Resp: 61943
Ion Ratio Lower Upper
112 100
114 33.1 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.641 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion:131 Resp: 27539
Ion Ratio Lower Upper
131 100
133 98.0 47.9 143.7
119 56.6 28.7 86.1

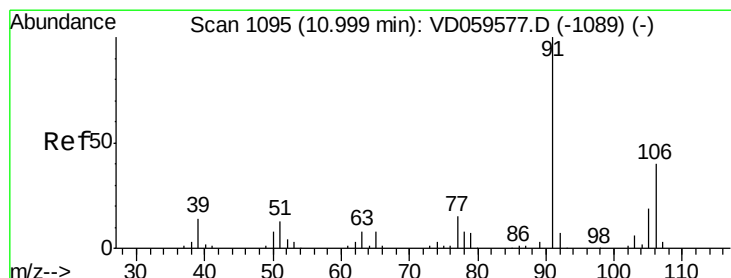
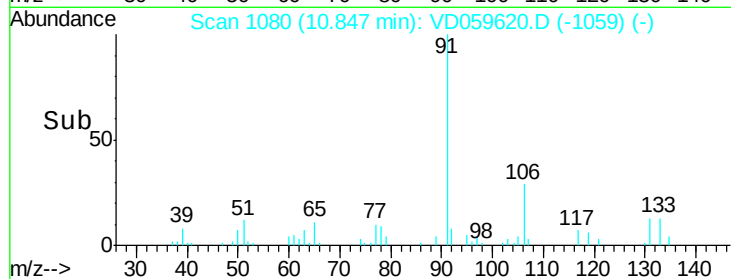
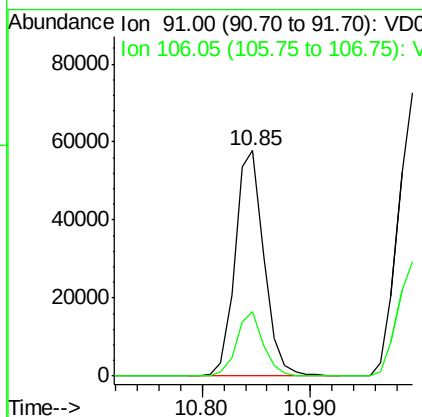
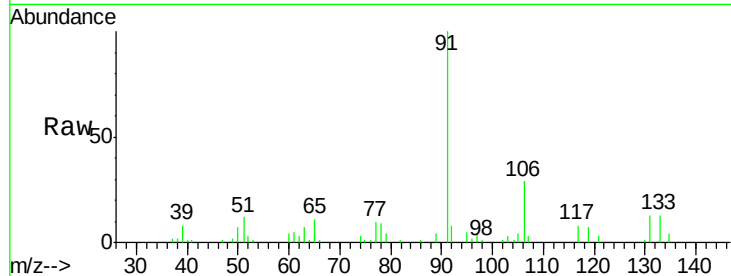




#67
Ethyl Benzene
Concen: 22.192 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

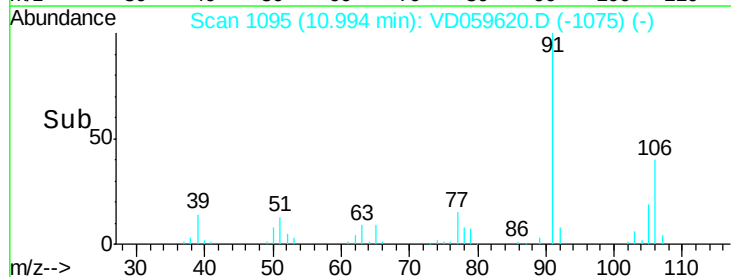
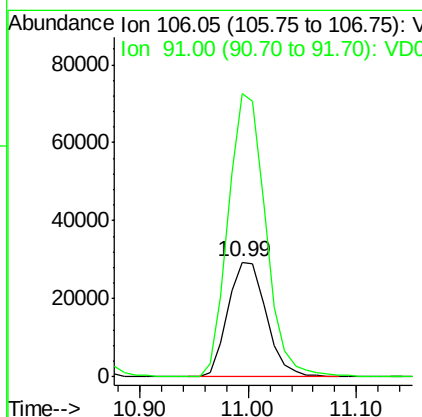
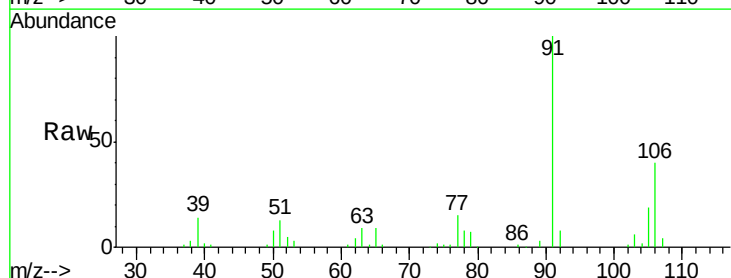
Instrument :
MSVOA_D
ClientSampled :

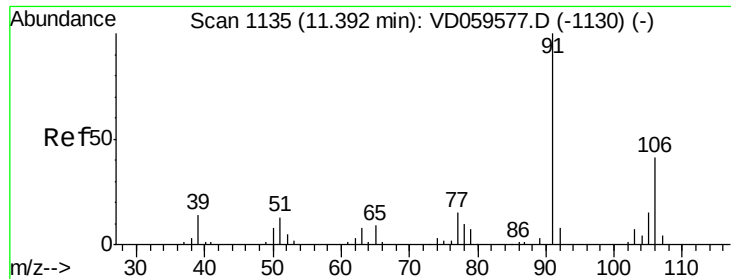
Tot Ion: 91 Resp: 106672
Ion Ratio Lower Upper
91 100
106 28.5 21.6 32.4



#68
m/p-Xylenes
Concen: 44.989 ug/l
RT: 10.99 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion: 106 Resp: 72223
Ion Ratio Lower Upper
106 100
91 247.0 198.2 297.4

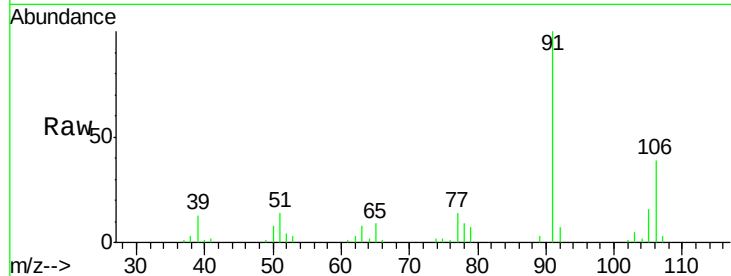




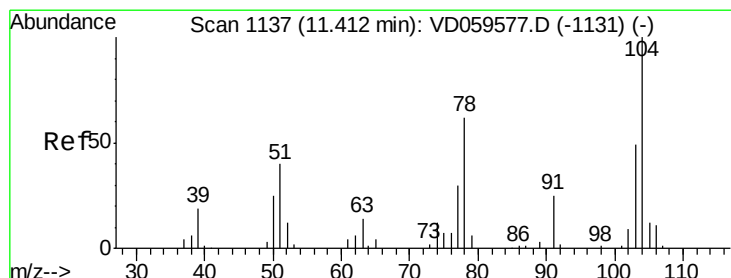
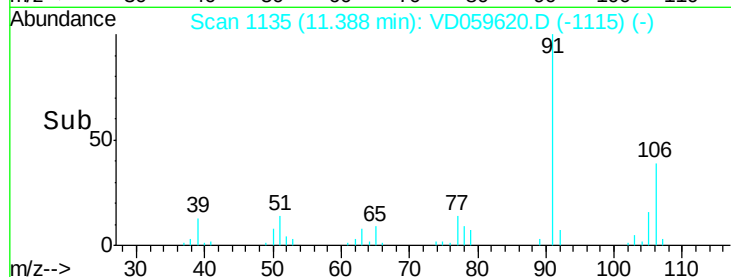
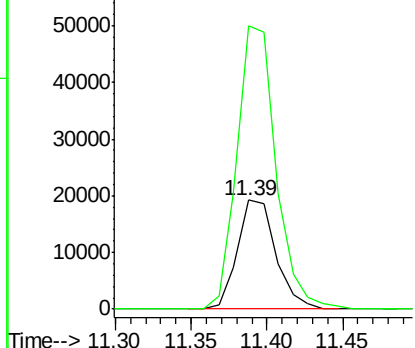
#69
o-Xylene
Concen: 21.814 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 33980
Ion Ratio Lower Upper
106 100
91 259.5 122.7 368.1

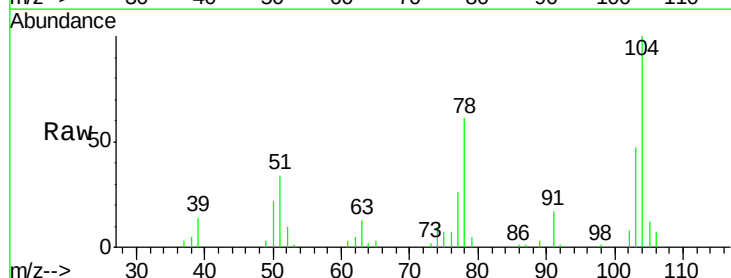


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

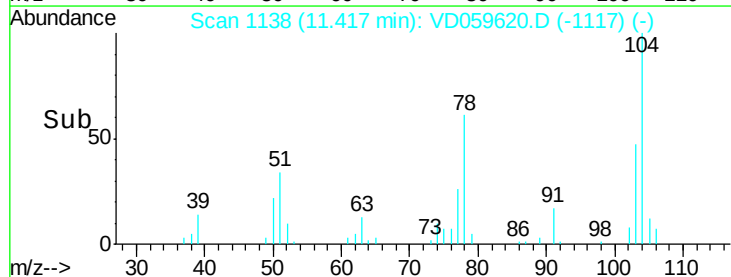
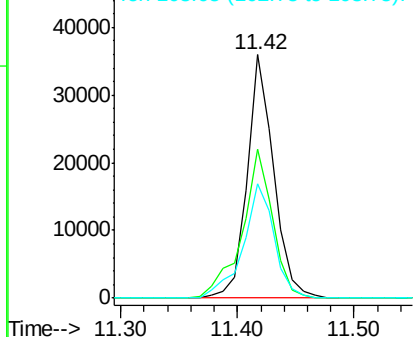


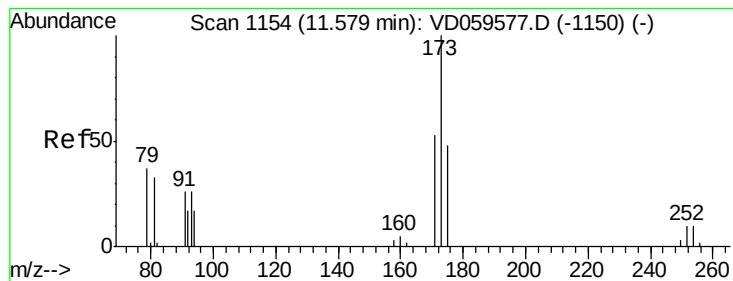
#70
Styrene
Concen: 21.851 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion:104 Resp: 56437
Ion Ratio Lower Upper
104 100
78 61.3 49.4 74.0
103 47.2 39.0 58.6



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: 21.972 ug/l

RT: 11.58 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

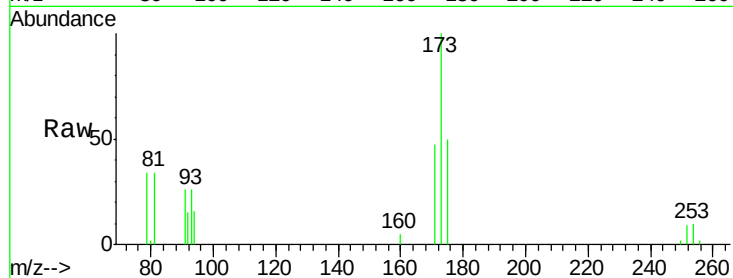
Tot Ion:173 Resp: 21762

Ion Ratio Lower Upper

173 100

175 49.6 23.8 71.4

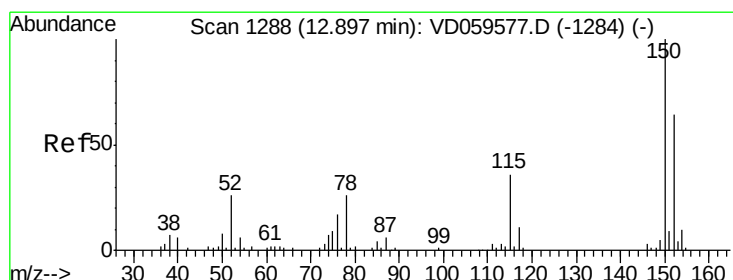
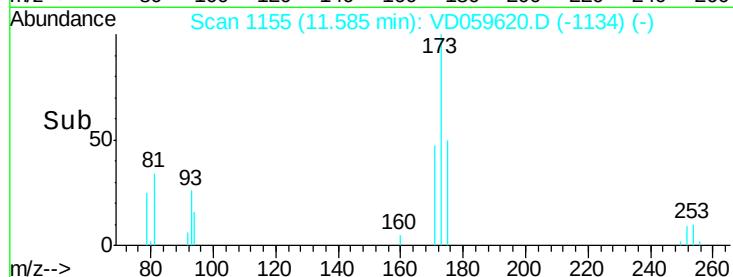
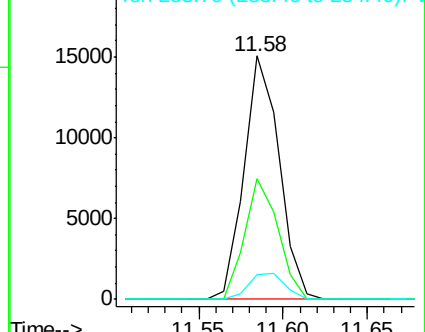
254 9.9 7.8 11.6



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: 12.90 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

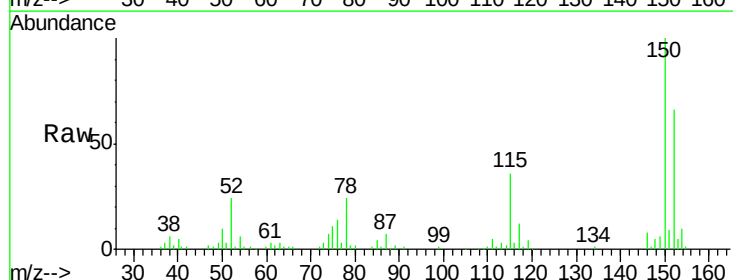
Tgt Ion:152 Resp: 69448

Ion Ratio Lower Upper

152 100

115 55.0 29.5 88.6

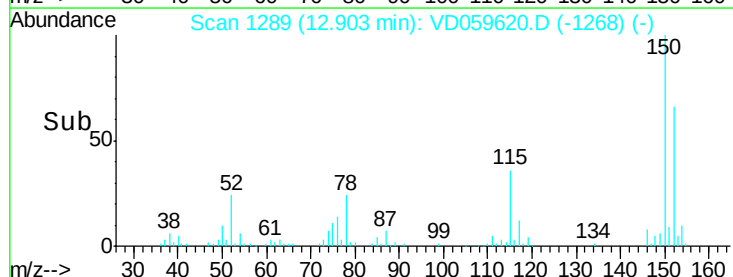
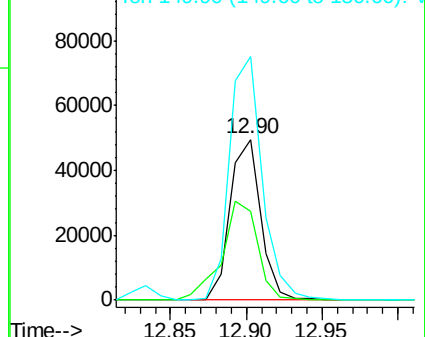
150 151.6 0.0 314.4

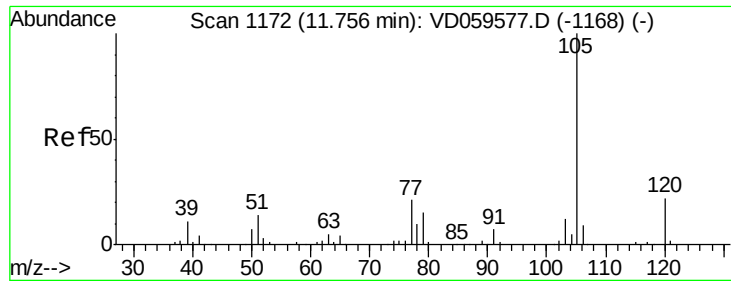


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.748 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

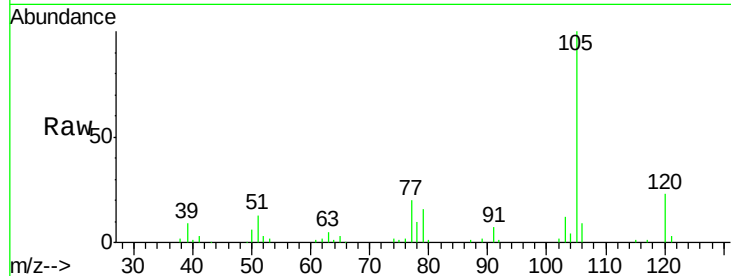
ClientSampleId :

Tot Ion:105 Resp: 101791

Ion Ratio Lower Upper

105 100

120 22.7 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

80000

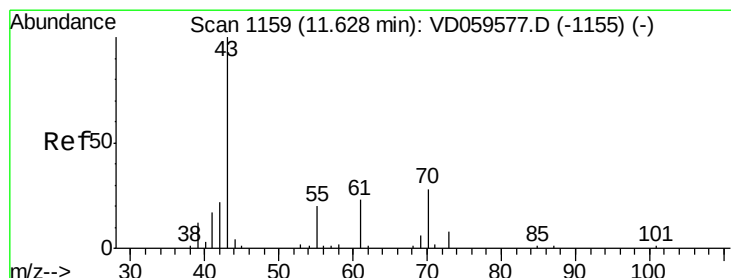
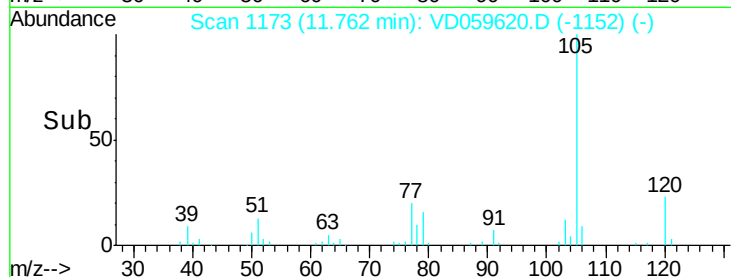
60000

40000

20000

0

Time--> 11.70 11.75 11.80 11.85



#74

N-ethyl acetate

Concen: 19.539 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Tgt Ion: 43 Resp: 32844

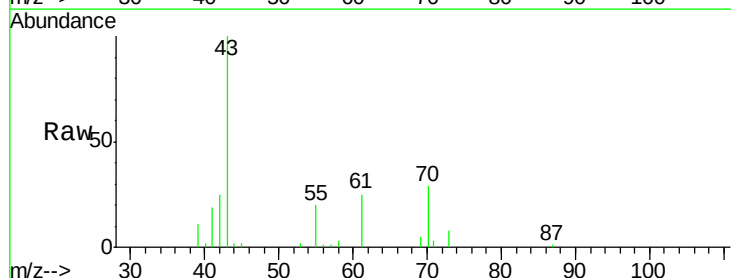
Ion Ratio Lower Upper

43 100

70 29.3 22.0 33.0

55 20.2 16.2 24.2

61 25.0 18.6 27.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

11.63

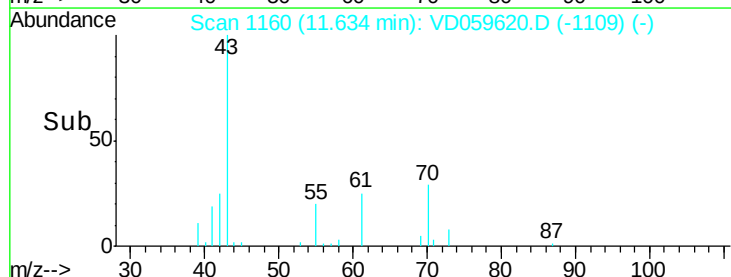
30000

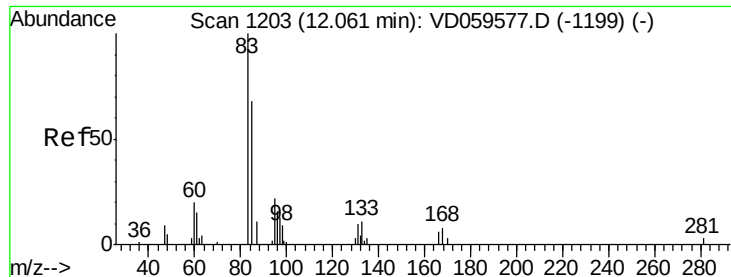
20000

10000

0

Time--> 11.60 11.65 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 21.833 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

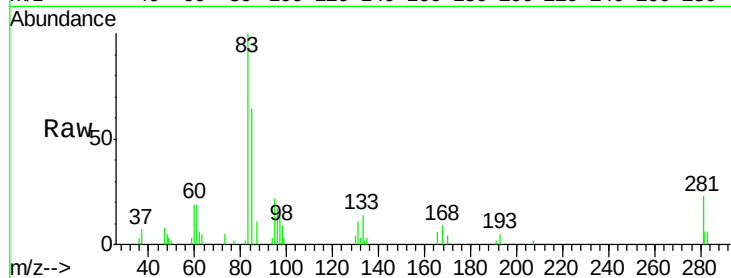
Tot Ion: 83 Resp: 21869

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.2
85	64.0	34.1	102.3

83 100

131 11.1 5.1 15.2

85 64.0 34.1 102.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.07

20000

15000

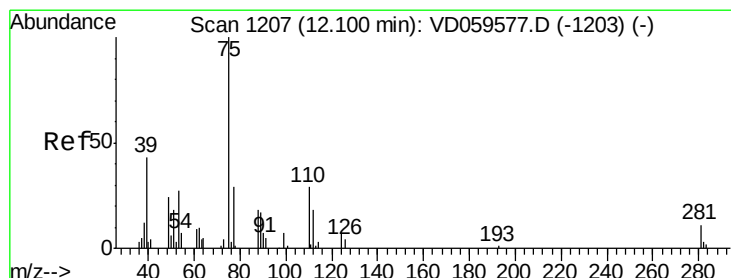
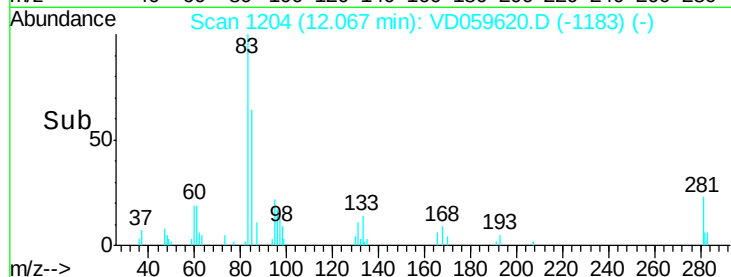
10000

5000

0

Time-->

12.00 12.05 12.10 12.15



#76

1,2,3-Trichloropropane

Concen: 21.285 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD059620.D

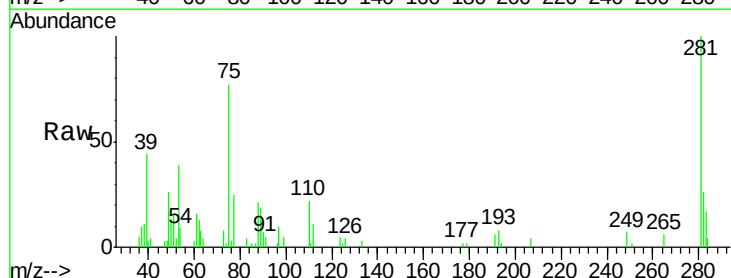
Acq: 27 Jul 2018 19:21

Tgt Ion: 75 Resp: 24445

Ion	Ratio	Lower	Upper
75	100		
77	32.9	15.6	46.7

75 100

77 32.9 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.10

30000

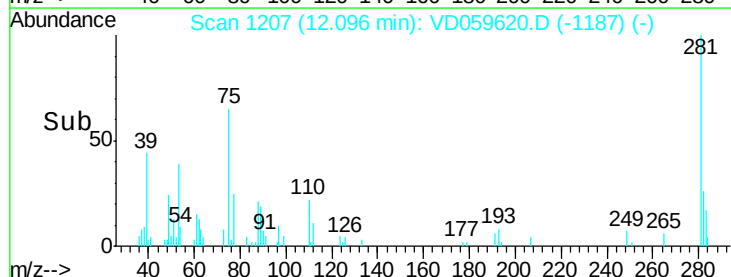
20000

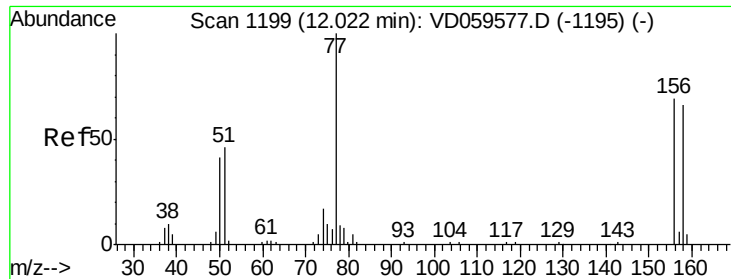
10000

0

Time-->

12.05 12.10 12.15





#77

Bromobenzene

Concen: 21.939 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

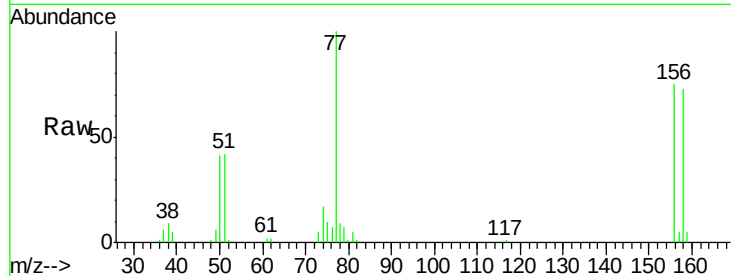
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:156 Resp: 31509

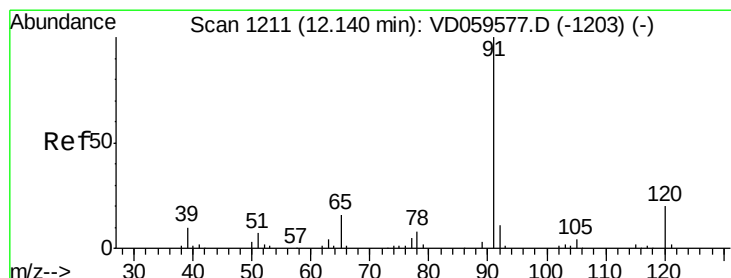
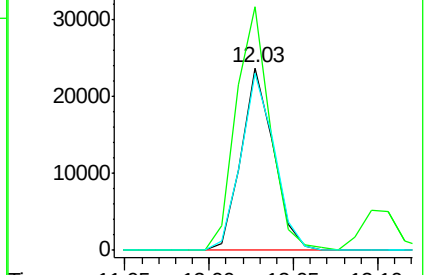
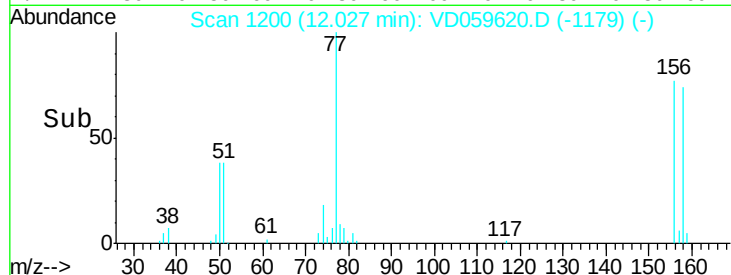
Ion	Ratio	Lower	Upper
156	100		
77	133.4	72.4	217.2
158	97.1	48.0	144.2



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: 20.751 ug/l

RT: 12.15 min Scan# 1212

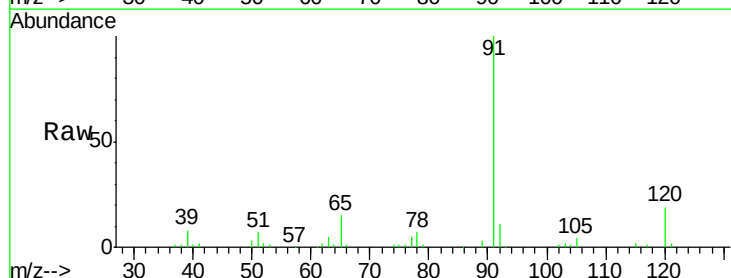
Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

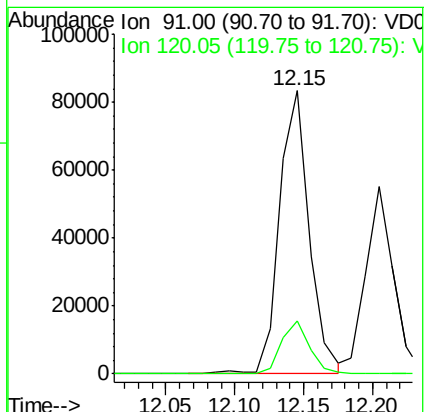
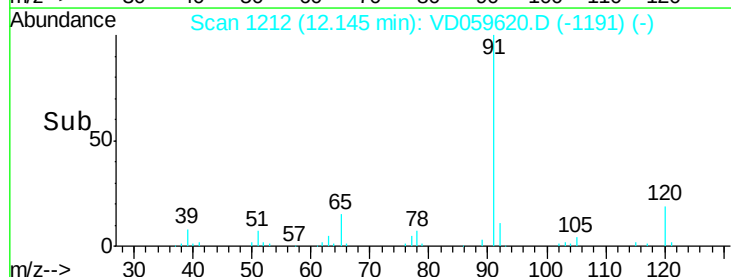
Tgt Ion: 91 Resp: 123698

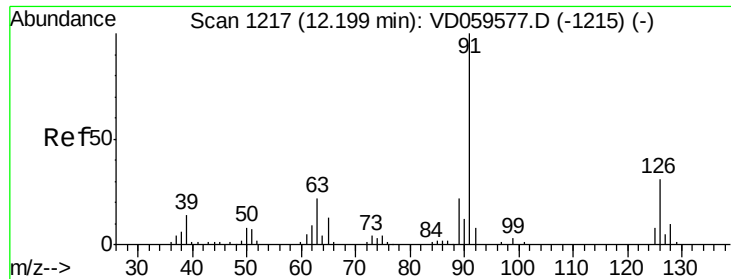
Ion	Ratio	Lower	Upper
91	100		
120	18.8	9.9	29.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

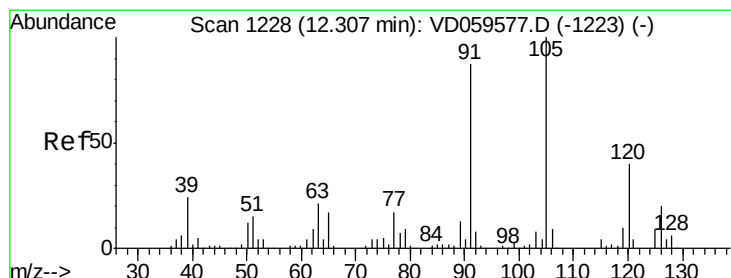
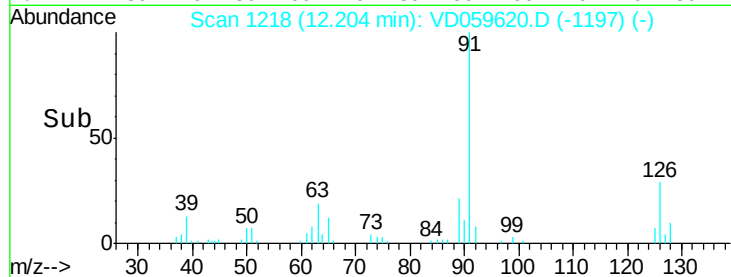
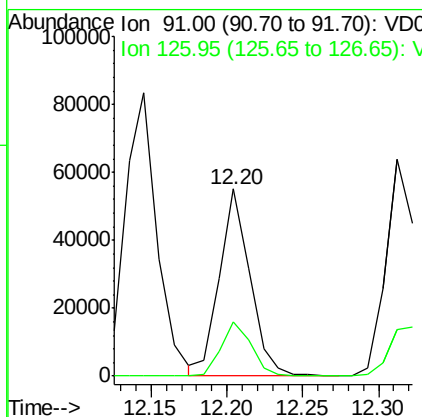
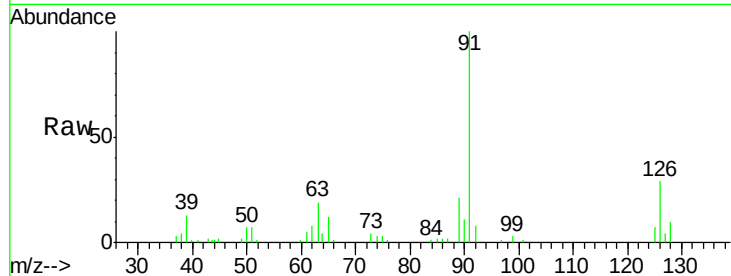




#79
 2-Chlorotoluene
 Concen: 21.950 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

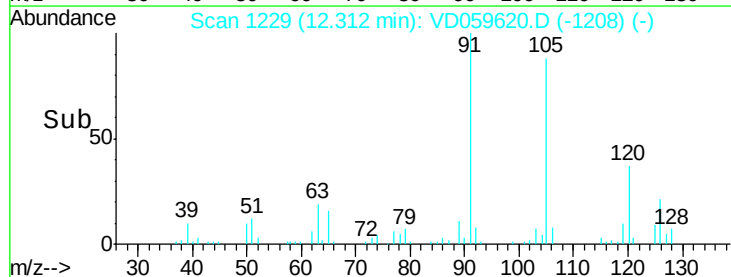
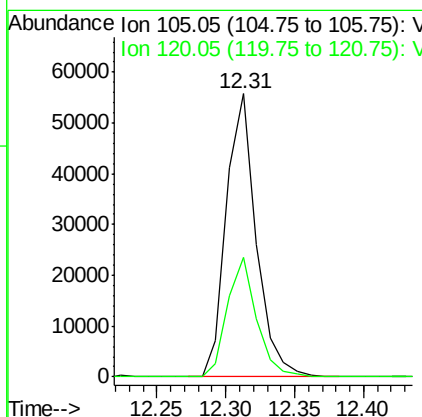
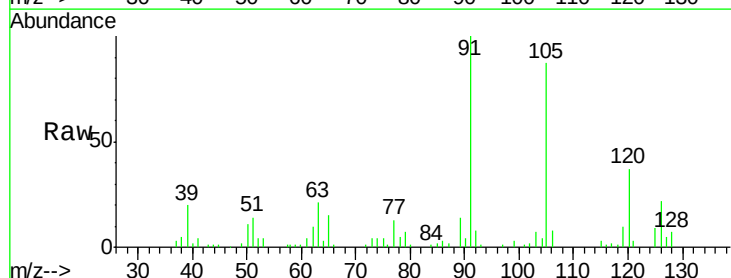
Instrument :
 MSVOA_D
 ClientSampled :

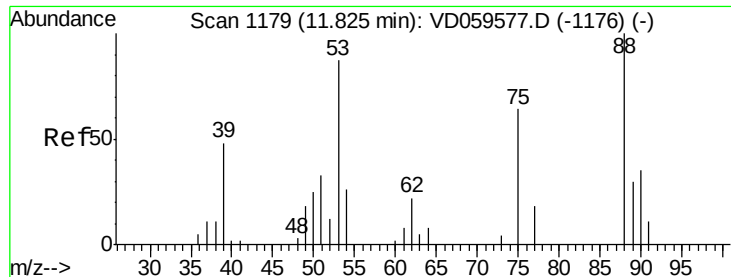
Tot Ion: 91 Resp: 78012
 Ion Ratio Lower Upper
 91 100
 126 29.0 14.5 43.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.641 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 105 Resp: 83828
 Ion Ratio Lower Upper
 105 100
 120 42.4 19.9 59.6

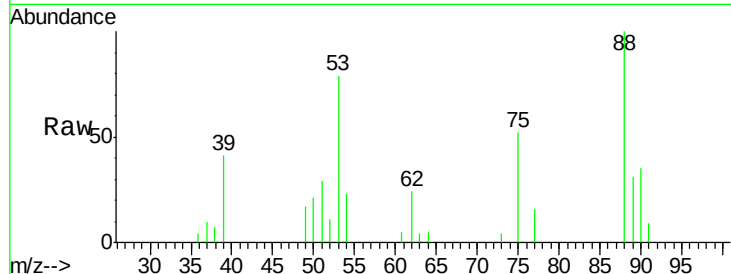




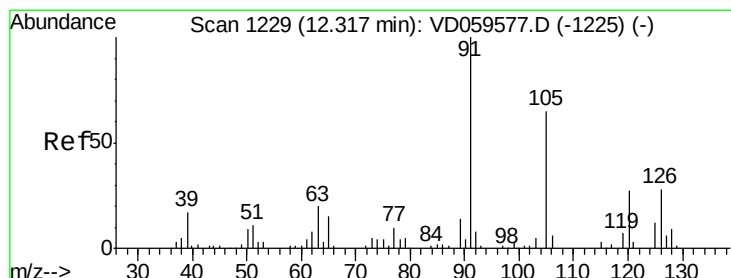
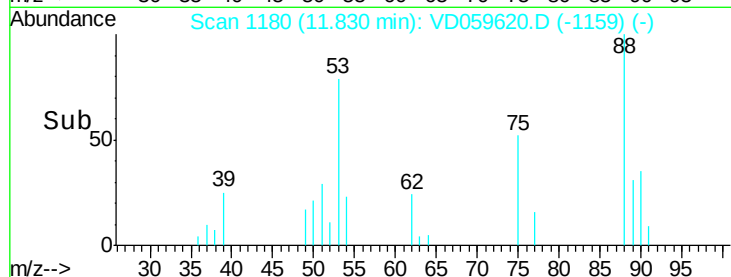
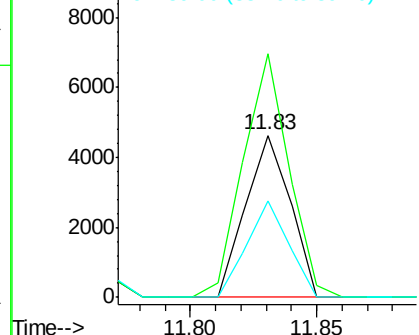
#81
trans-1,4-Dichloro-2-butene
Concen: 19.300 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 5667
Ion Ratio Lower Upper
75 100
53 150.3 107.7 161.5
89 59.3 37.3 55.9#

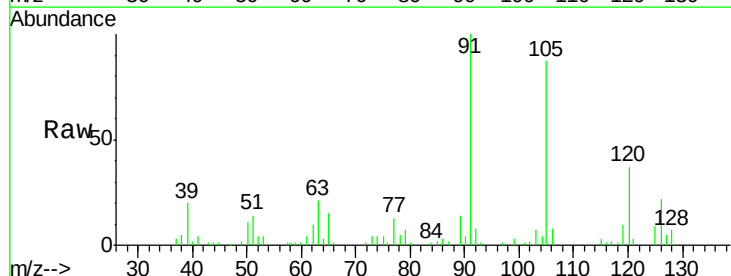


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

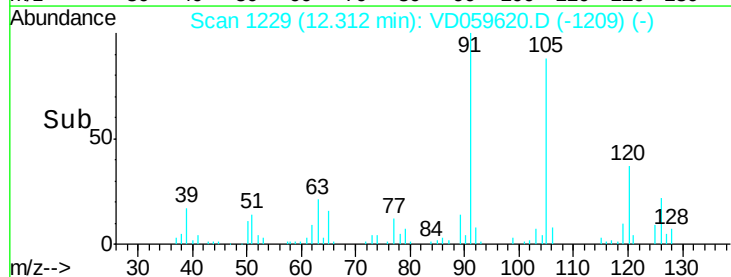
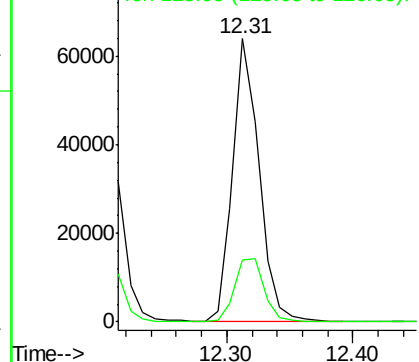


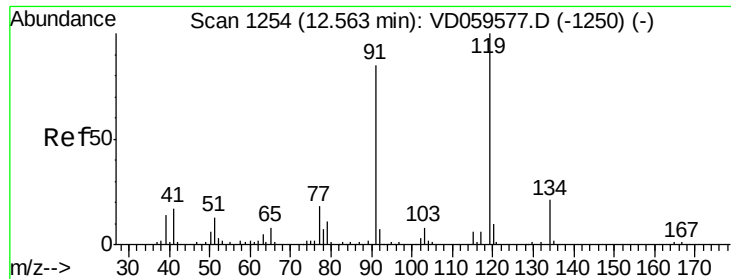
#82
4-Chlorotoluene
Concen: 22.958 ug/l
RT: 12.31 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD059620.D
Acq: 27 Jul 2018 19:21

Tgt Ion: 91 Resp: 92272
Ion Ratio Lower Upper
91 100
126 21.7 14.1 42.4



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

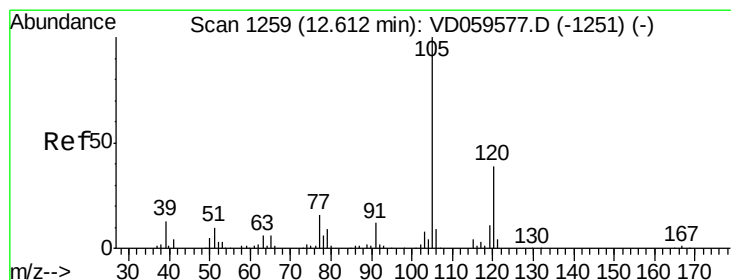
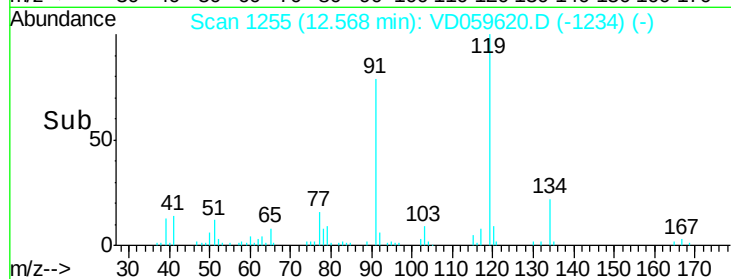
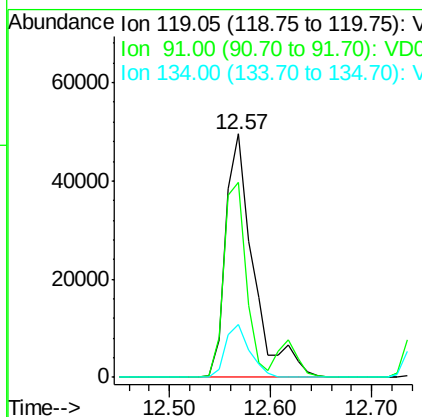
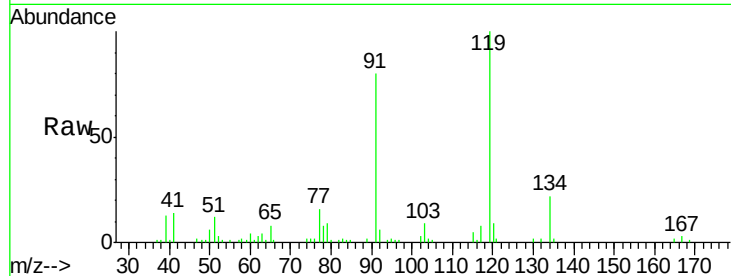




#83
 tert-Butylbenzene
 Concen: 21.693 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

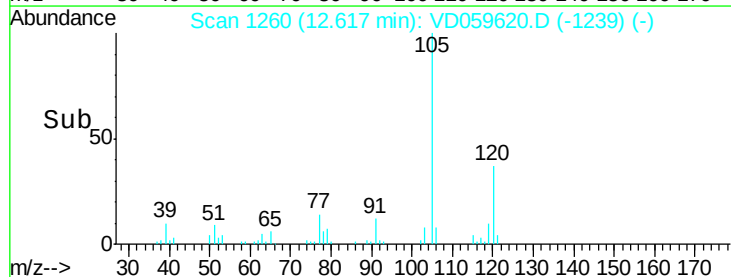
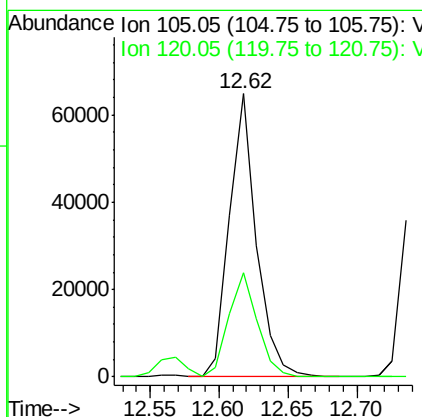
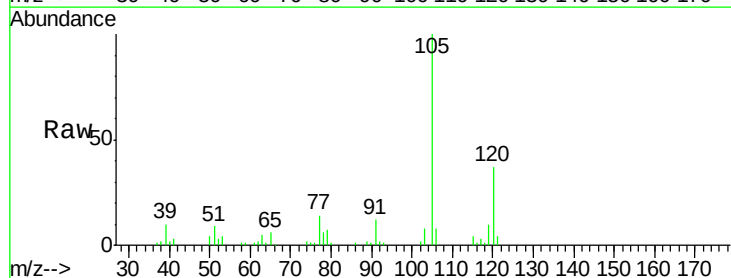
Instrument :
 MSVOA_D
 ClientSampleId :

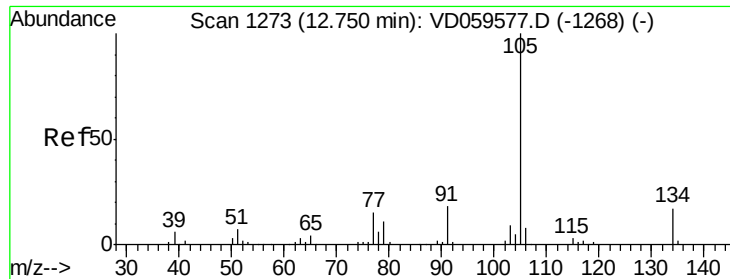
Tot Ion:119 Resp: 94600
 Ion Ratio Lower Upper
 119 100
 91 79.8 42.5 127.5
 134 21.9 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.472 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion:105 Resp: 88415
 Ion Ratio Lower Upper
 105 100
 120 37.0 19.3 57.9





#85

sec-Butylbenzene

Concen: 21.877 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

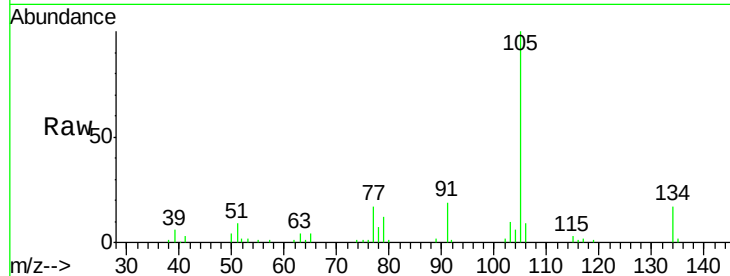
ClientSampleId :

Tot Ion:105 Resp: 109017

Ion Ratio Lower Upper

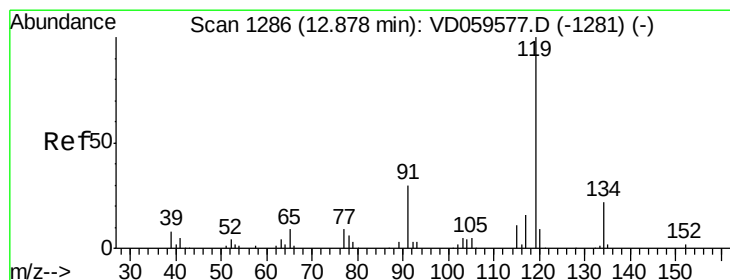
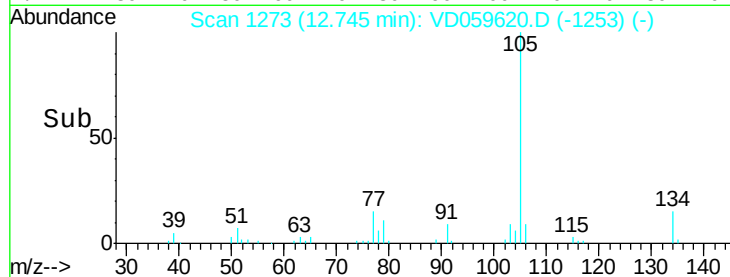
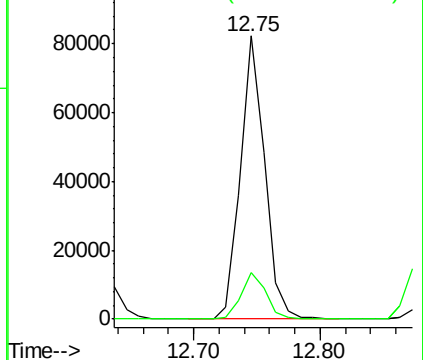
105 100

134 16.7 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.947 ug/l

RT: 12.87 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

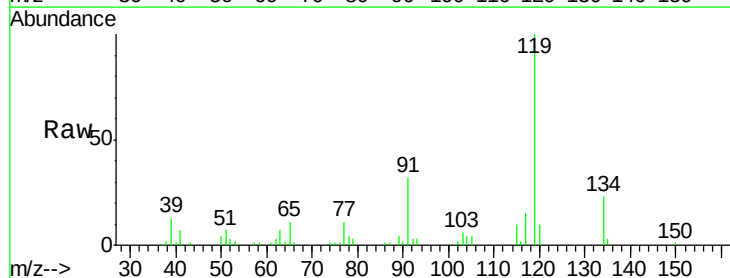
Tgt Ion:119 Resp: 87973

Ion Ratio Lower Upper

119 100

134 23.2 11.2 33.6

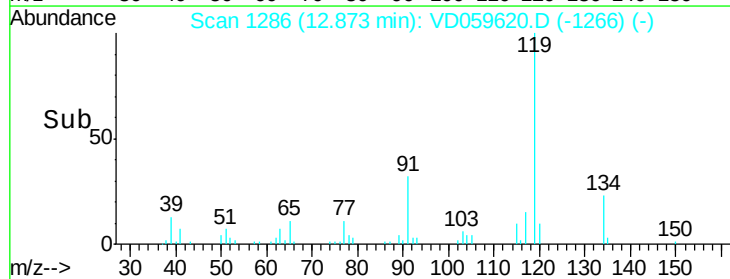
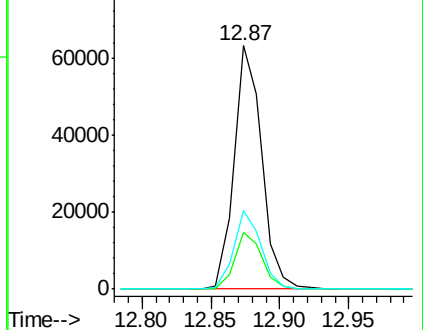
91 32.4 15.0 45.1

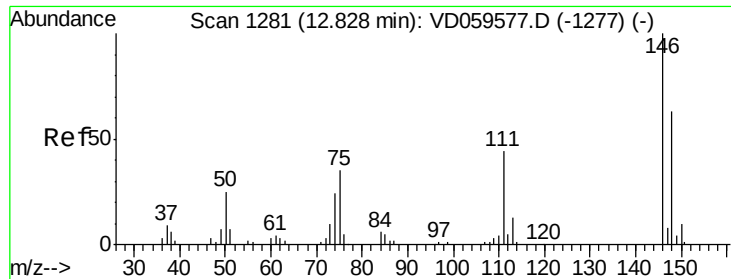


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

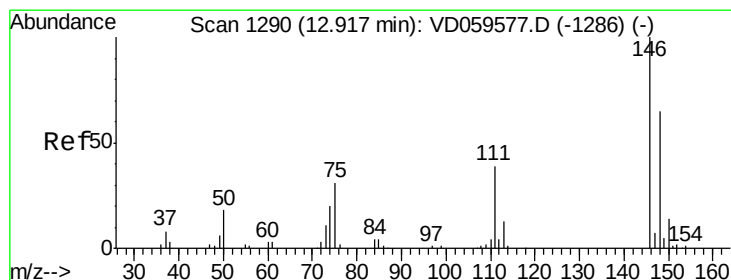
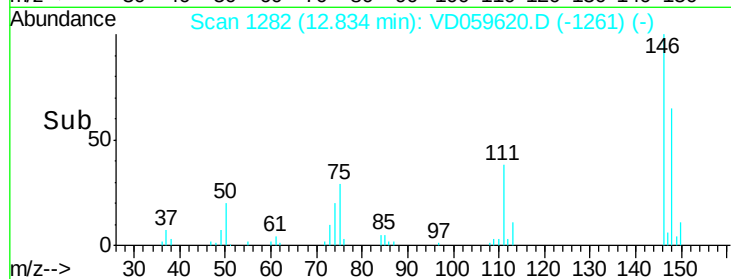
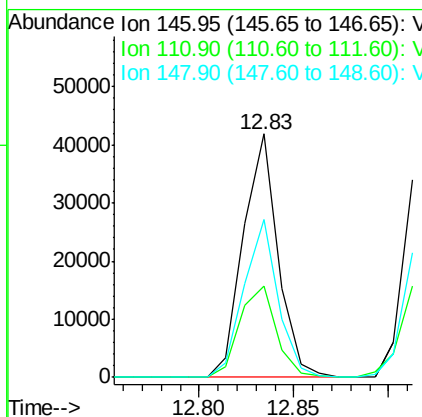
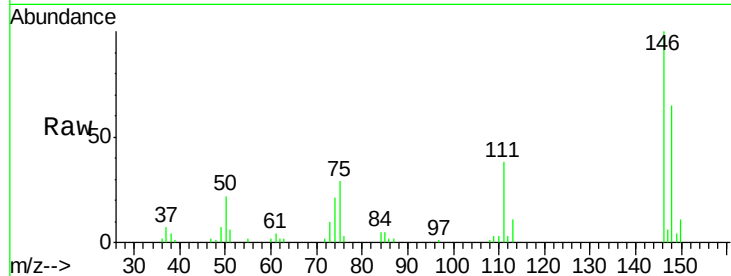




#87
 1,3-Dichlorobenzene
 Concen: 21.884 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

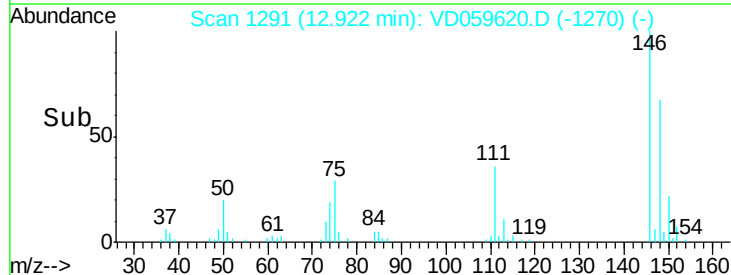
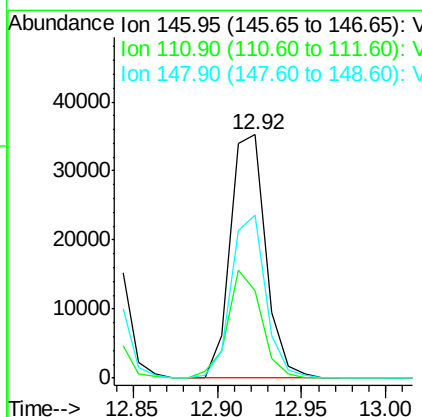
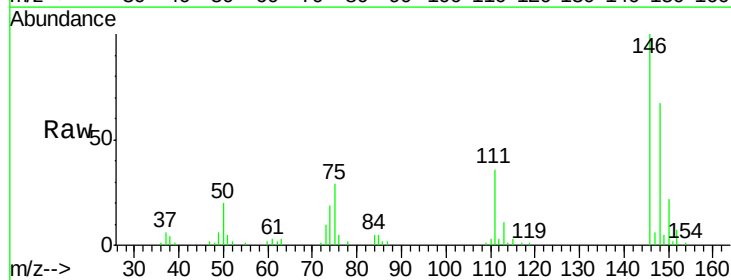
Instrument :
 MSVOA_D
 ClientSampled :

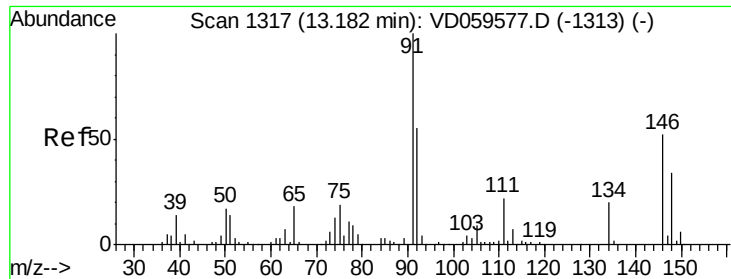
Tot Ion:146 Resp: 53157
 Ion Ratio Lower Upper
 146 100
 111 37.5 22.2 66.6
 148 65.0 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 22.039 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion:146 Resp: 51576
 Ion Ratio Lower Upper
 146 100
 111 35.8 19.3 57.9
 148 66.9 32.4 97.2





#89

n-Butylbenzene

Concen: 22.275 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

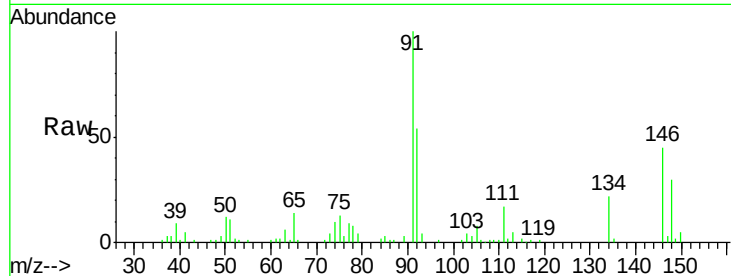
Tot Ion: 91 Resp: 90317

Ion Ratio Lower Upper

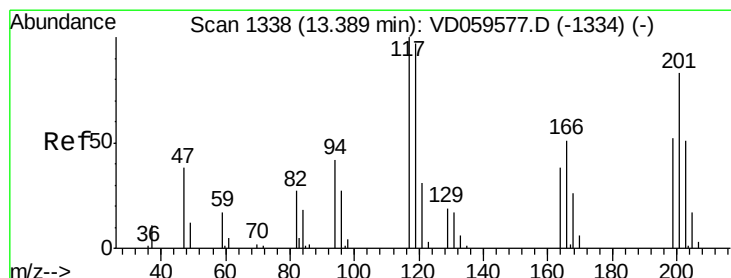
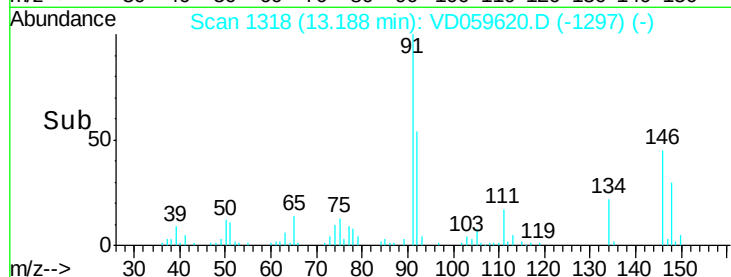
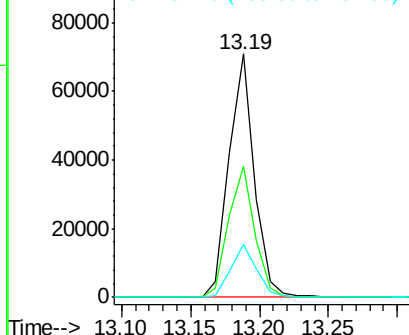
91 100

92 53.9 27.6 82.7

134 21.9 10.1 30.3



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: 20.807 ug/l

RT: 13.39 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VD059620.D

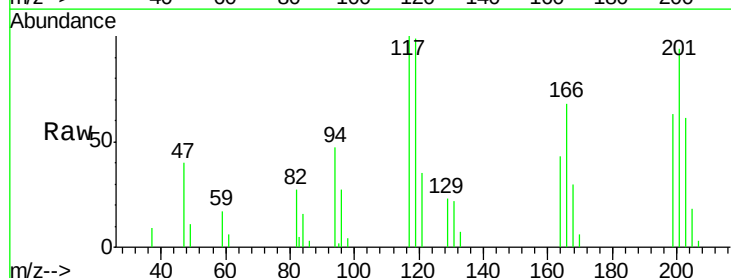
Acq: 27 Jul 2018 19:21

Tgt Ion: 117 Resp: 23350

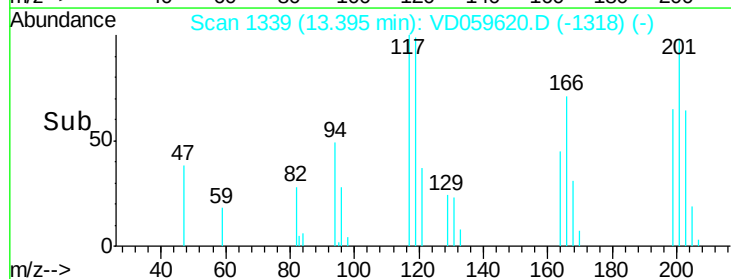
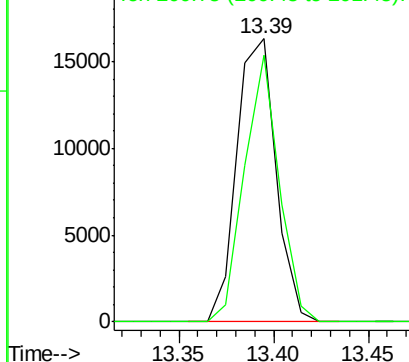
Ion Ratio Lower Upper

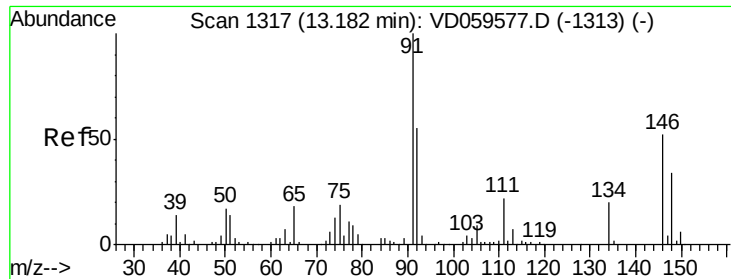
117 100

201 94.1 41.5 124.5



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

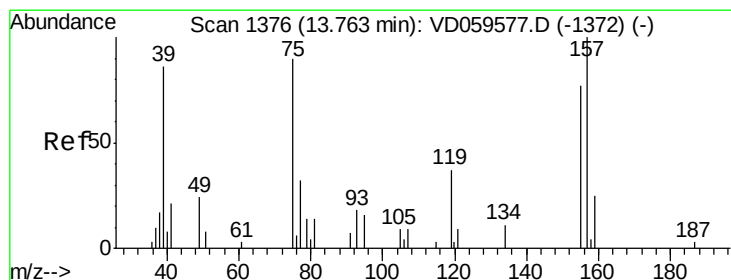
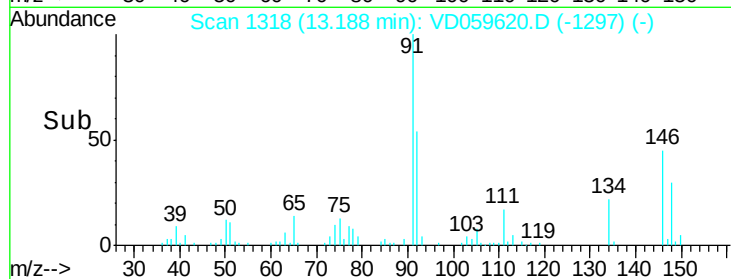
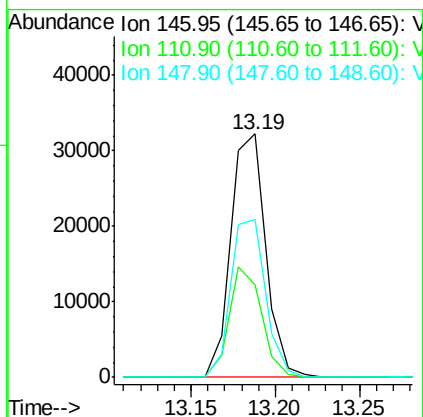
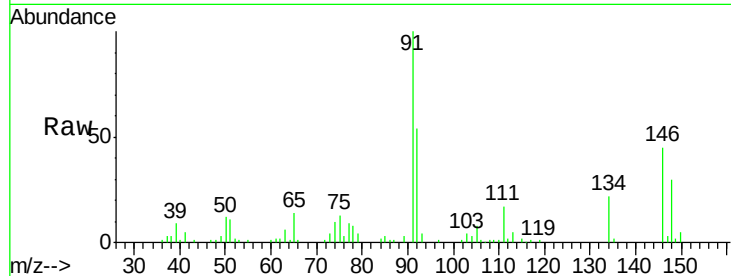




#91
 1,2-Dichlorobenzene
 Concen: 22.776 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

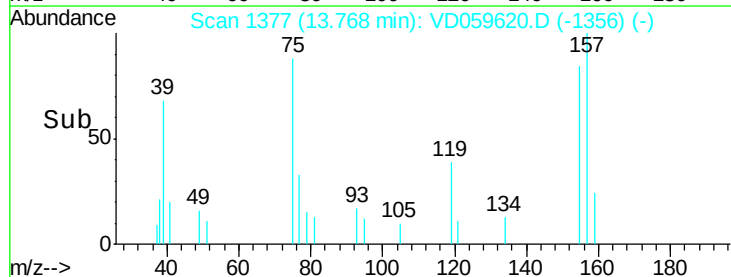
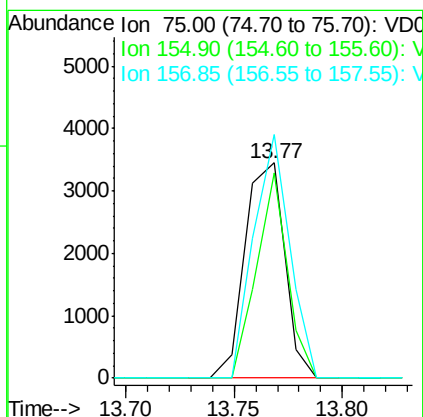
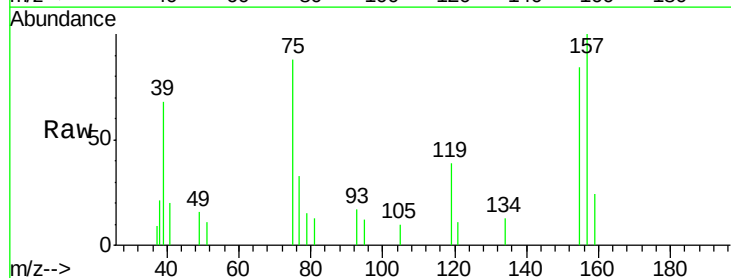
Instrument :
 MSVOA_D
 ClientSampled :

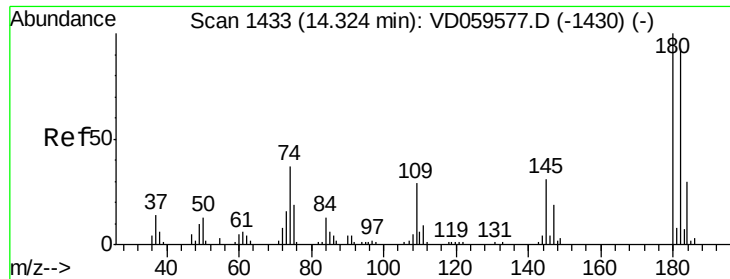
Tot Ion:146 Resp: 46419
 Ion Ratio Lower Upper
 146 100
 111 38.1 21.4 64.3
 148 65.1 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.670 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion: 75 Resp: 4376
 Ion Ratio Lower Upper
 75 100
 155 95.4 42.5 127.5
 157 113.2 55.5 166.3

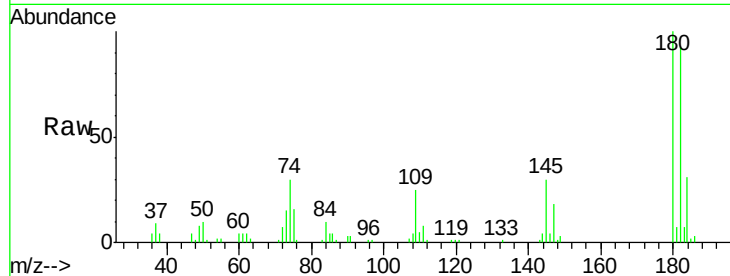




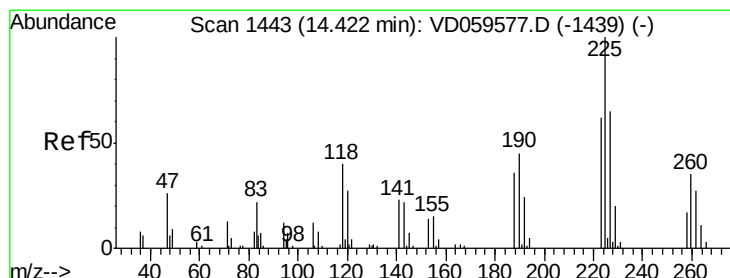
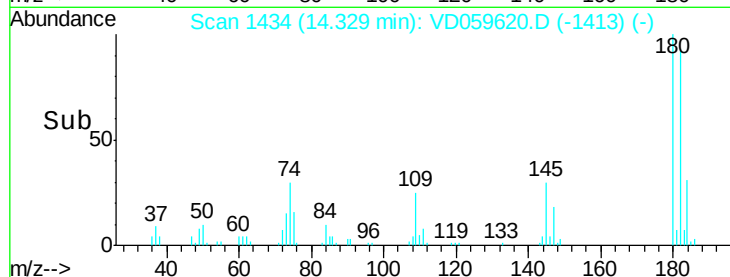
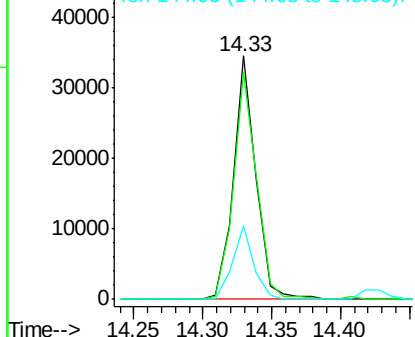
#93
 1,2,4-Trichlorobenzene
 Concen: 23.056 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 38913
 Ion Ratio Lower Upper
 180 100
 182 93.5 46.4 139.2
 145 30.4 15.7 47.0

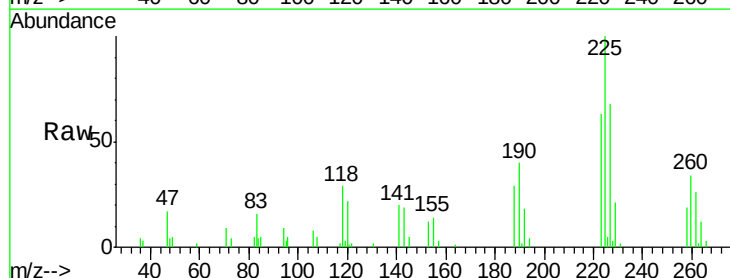


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

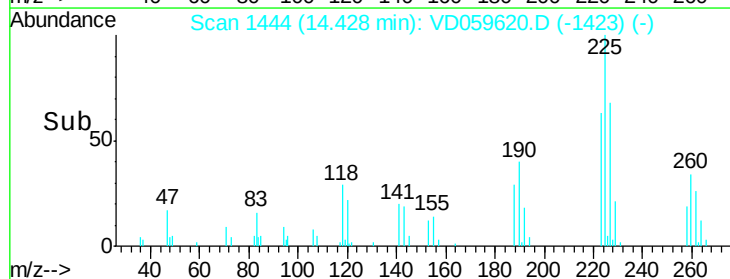
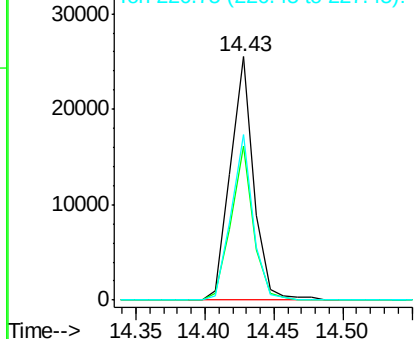


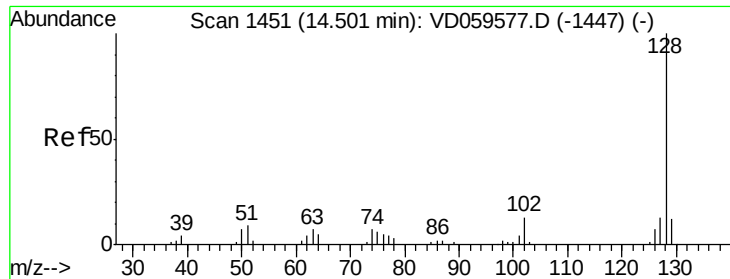
#94
 Hexachlorobutadiene
 Concen: 22.461 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059620.D
 Acq: 27 Jul 2018 19:21

Tgt Ion:225 Resp: 29903
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.1 93.5
 227 68.1 32.4 97.2



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: 22.544 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

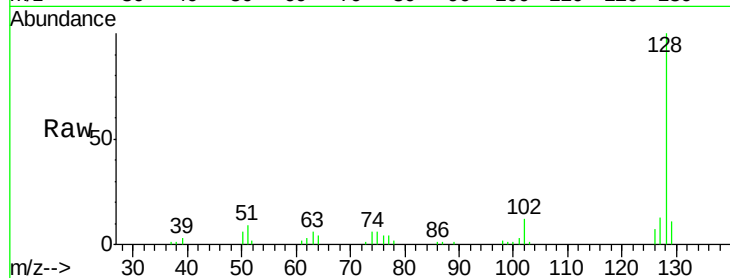
Tot Ion:128 Resp: 54112

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

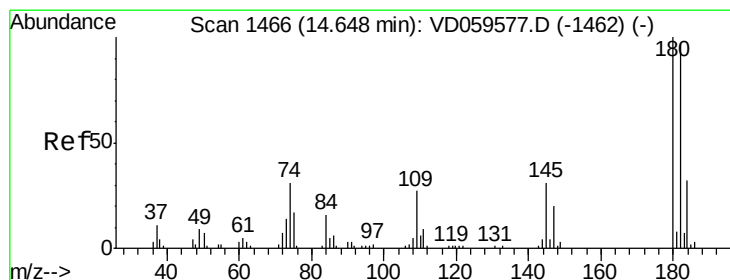
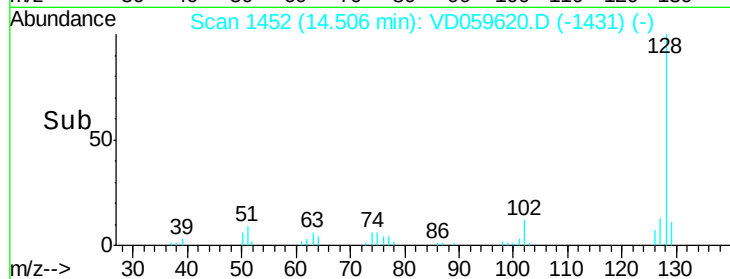
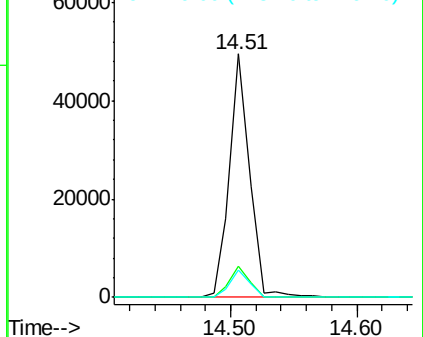
129 11.0 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.185 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

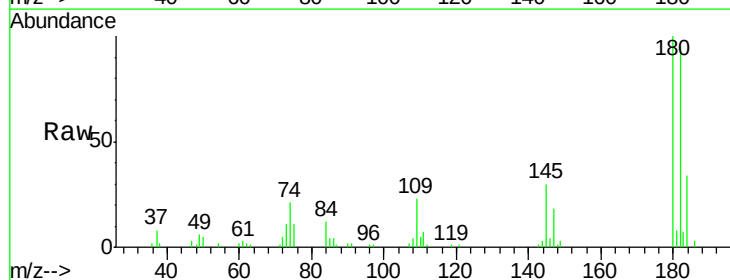
Tgt Ion:180 Resp: 33882

Ion Ratio Lower Upper

180 100

182 95.0 48.6 145.9

145 30.3 15.6 46.7



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

