

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060618\
 Data File : VD057962.D
 Acq On : 6 Jun 2018 20:14
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 07 08:22:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:19:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	894978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1231554	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	999315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	481828	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	882032	98.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.16%	
35) Dibromofluoromethane	5.56	113	919542	96.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.00%	
50) Toluene-d8	8.71	98	2099316	92.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.34%	
62) 4-Bromofluorobenzene	11.93	95	892874	90.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	1176445	97.94	ug/l	98
3) Chloromethane	1.49	50	589630	99.67	ug/l	97
4) Vinyl Chloride	1.56	62	632740	110.50	ug/l	98
5) Bromomethane	1.80	94	205651	91.63	ug/l	99
6) Chloroethane	1.89	64	192817	85.35	ug/l	92
7) Trichlorofluoromethane	2.09	101	762211	97.37	ug/l	97
8) Diethyl Ether	2.35	74	167408	115.13	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.56	101	491290	105.22	ug/l	98
10) Methyl Iodide	2.69	142	744029	123.50	ug/l	92
11) Tert butyl alcohol	3.27	59	128187	534.80	ug/l	98
12) 1,1-Dichloroethene	2.55	96	381692	106.34	ug/l	98
13) Acrolein	2.48	56	188729	549.79	ug/l	100
14) Allyl chloride	2.93	41	906992	109.54	ug/l	96
15) Acrylonitrile	3.36	53	731614	521.75	ug/l	97
16) Acetone	2.63	43	674273	523.06	ug/l	98
17) Carbon Disulfide	2.76	76	1463220	112.53	ug/l	99
18) Methyl Acetate	2.94	43	261029	104.67	ug/l	98
19) Methyl tert-butyl Ether	3.41	73	1655075	104.79	ug/l	100
20) Methylene Chloride	3.08	84	399118	90.59	ug/l	98
21) trans-1,2-Dichloroethene	3.39	96	779416	97.49	ug/l	97
22) Diisopropyl ether	4.08	45	3242070	98.83	ug/l	97
23) Vinyl Acetate	4.03	43	8926613	526.68	ug/l	100
24) 1,1-Dichloroethane	3.98	63	1814132	100.63	ug/l	99
25) 2-Butanone	4.85	43	1526202	520.95	ug/l	97
26) 2,2-Dichloropropane	4.80	77	1496435	100.76	ug/l	94
27) cis-1,2-Dichloroethene	4.81	96	931296	98.22	ug/l	99
28) Bromochloromethane	5.16	49	808186	103.57	ug/l	91
29) Tetrahydrofuran	5.19	42	786291	511.99	ug/l	100
30) Chloroform	5.33	83	1858762	102.44	ug/l	100
31) Cyclohexane	5.60	56	1361749	87.53	ug/l	96
32) 1,1,1-Trichloroethane	5.52	97	1616417	106.40	ug/l	98
36) 1,1-Dichloropropene	5.76	75	1251851	92.26	ug/l	97
37) Ethyl Acetate	4.93	43	754812	101.95	ug/l	99
38) Carbon Tetrachloride	5.73	117	1371374	102.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	1274476	94.75	ug/l	99
40) Benzene	6.02	78	2875143	90.71	ug/l	100
41) Methacrylonitrile	5.14	41	354865	104.83	ug/l	97
42) 1,2-Dichloroethane	6.13	62	1337276	104.35	ug/l	99
43) Isopropyl Acetate	7.62	43	1050074	108.28	ug/l	100
44) Trichloroethene	6.99	130	909642	98.25	ug/l	99
45) 1,2-Dichloropropane	7.35	63	861714	97.82	ug/l	98
46) Dibromomethane	7.47	93	591050	104.44	ug/l	99
47) Bromodichloromethane	7.74	83	1393200	105.14	ug/l	97
48) Methyl methacrylate	7.51	41	642048	107.57	ug/l	99
49) 1,4-Dioxane	7.49	88	106354	2150.89	ug/l	96
51) 4-Methyl-2-Pentanone	8.60	43	3021791	485.81	ug/l	99
52) Toluene	8.81	92	1639518	90.13	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	1182709	103.60	ug/l	95
54) cis-1,3-Dichloropropene	8.36	75	1373795	102.14	ug/l	92
55) 1,1,2-Trichloroethane	9.46	97	582800	98.99	ug/l	97
56) Ethyl methacrylate	9.32	69	743095	102.90	ug/l	96
57) 1,3-Dichloropropane	9.67	76	1048887	101.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	1687371	462.46	ug/l	97
59) 2-Hexanone	9.79	43	2257403	495.23	ug/l	98
60) Dibromochloromethane	9.96	129	929662	111.98	ug/l	100
61) 1,2-Dibromoethane	10.10	107	710043	104.87	ug/l	91
64) Tetrachloroethene	9.52	164	876459	98.11	ug/l	98
65) Chlorobenzene	10.73	112	1950997	96.44	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	762627	98.12	ug/l	97
67) Ethyl Benzene	10.86	91	3196274	87.45	ug/l	96
68) m/p-Xylenes	11.01	106	2109339	177.03	ug/l	87
69) o-Xylene	11.41	106	1071370	90.59	ug/l	98
70) Styrene	11.44	104	1769258	90.37	ug/l	99
71) Bromoform	11.60	173	679939	116.29	ug/l	97
73) Isopropylbenzene	11.77	105	3106673	97.35	ug/l	98
74) N-amyl acetate	11.64	43	1295817	105.22	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	710846	102.16	ug/l	97
76) 1,2,3-Trichloropropane	12.12	75	725160	100.19	ug/l	99
77) Bromobenzene	12.05	156	968838	102.56	ug/l	78
78) n-propylbenzene	12.15	91	3766819	90.71	ug/l	99
79) 2-Chlorotoluene	12.21	91	2321214	97.98	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	2343540	76.62	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	207309	115.64	ug/l	96
82) 4-Chlorotoluene	12.33	91	2300388	88.89	ug/l	89
83) tert-Butylbenzene	12.58	119	2782869	99.02	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	2620723	97.93	ug/l	97
85) sec-Butylbenzene	12.75	105	3258495	96.07	ug/l	99
86) p-Isopropyltoluene	12.88	119	2663379	97.43	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	1534389	96.02	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	1542438	99.07	ug/l	97
89) n-Butylbenzene	13.20	91	2392606	85.05	ug/l	99
90) Hexachloroethane	13.40	117	744706	106.74	ug/l	98
91) 1,2-Dichlorobenzene	13.20	146	1171023	90.68	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	121458	113.10	ug/l	91

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QLast Update : Thu Jun 07 08:19:01 2018
Response via : Initial Calibration

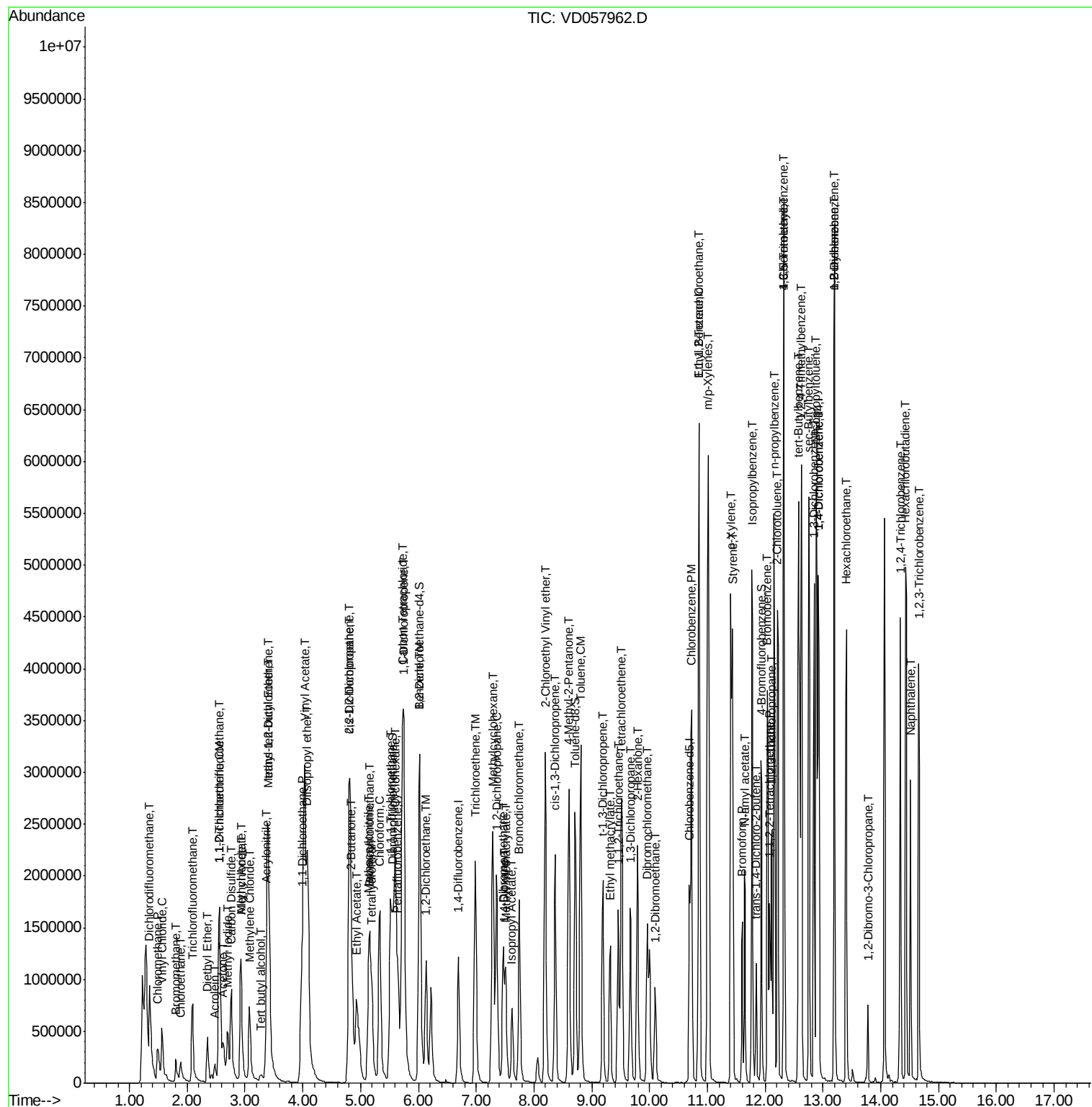
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	1215236	100.73	ug/l	100
94) Hexachlorobutadiene	14.44	225	1000490	105.43	ug/l	99
95) Naphthalene	14.52	128	1685879	108.38	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	1073026	104.36	ug/l	99

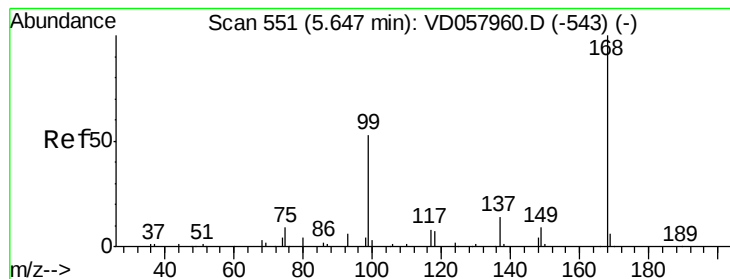
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

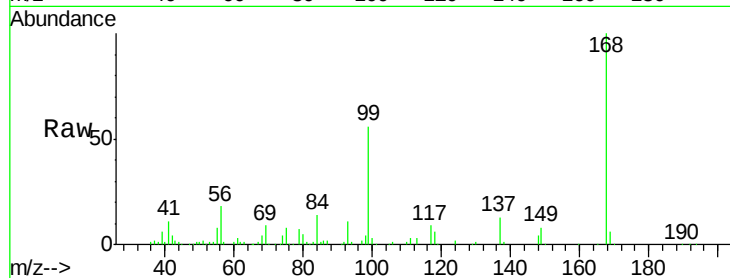
VSTDIC100

Tgt Ion:168 Resp: 894978

Ion Ratio Lower Upper

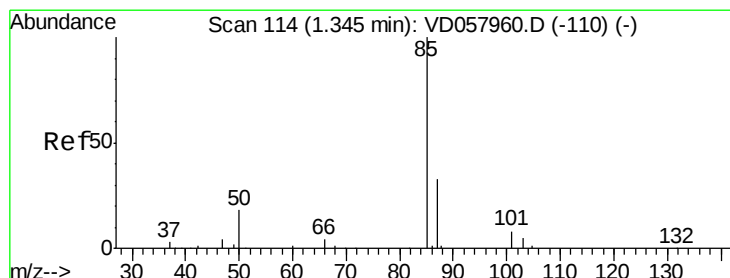
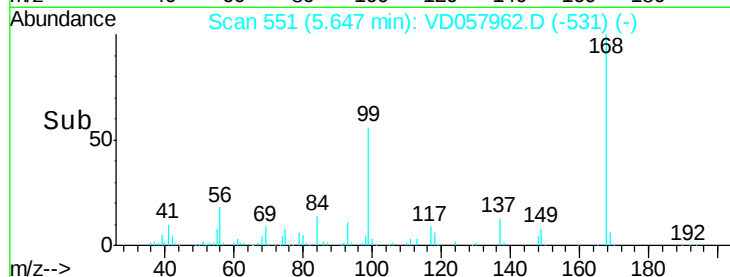
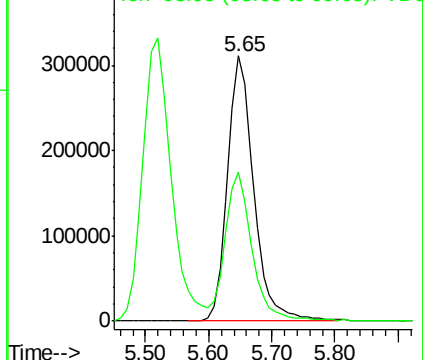
168 100

99 56.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 97.94 ug/l

RT: 1.35 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD057962.D

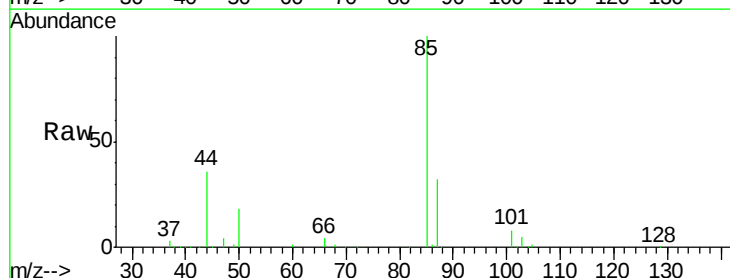
Acq: 6 Jun 2018 20:14

Tgt Ion: 85 Resp: 1176445

Ion Ratio Lower Upper

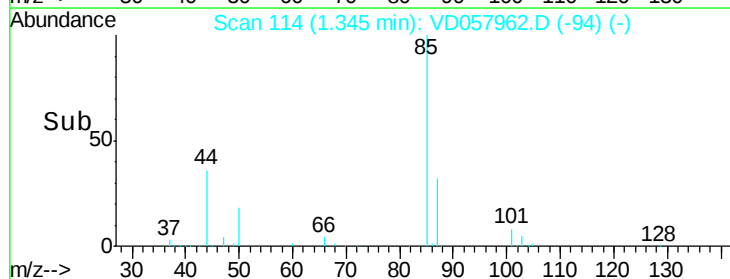
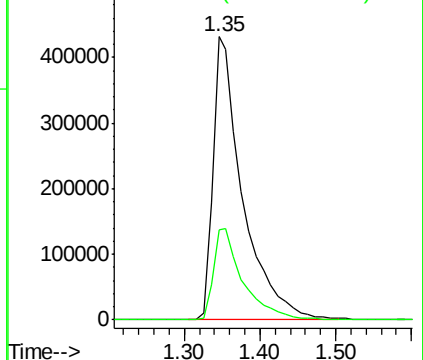
85 100

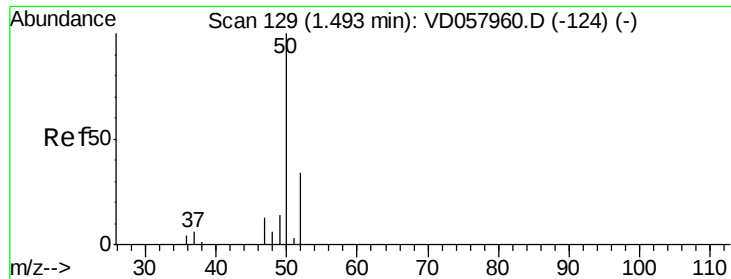
87 31.9 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 99.67 ug/l

RT: 1.49 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

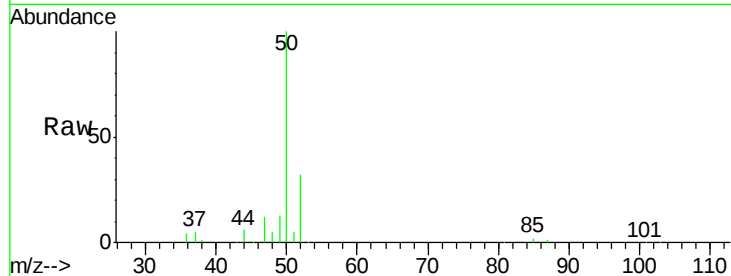
VSTDIC100

Tgt Ion: 50 Resp: 589630

Ion Ratio Lower Upper

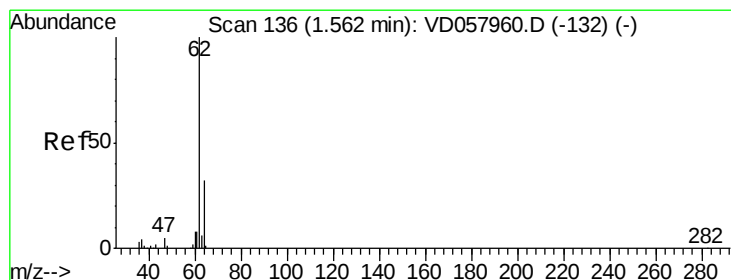
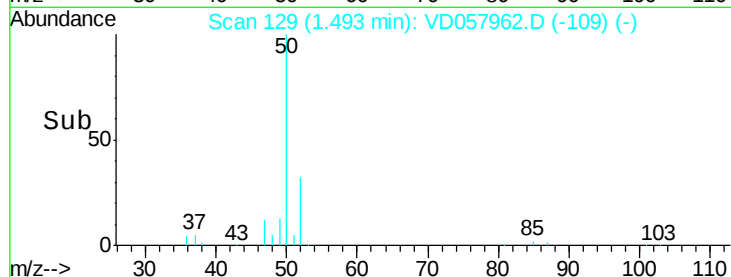
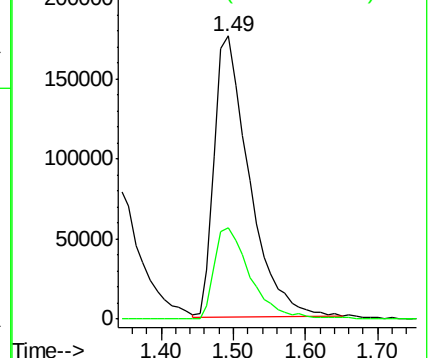
50 100

52 32.1 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 110.50 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.00 min

Lab File: VD057962.D

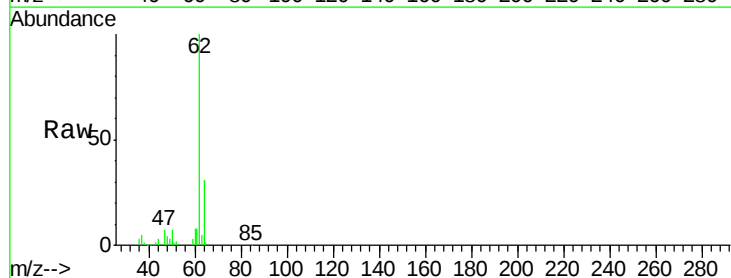
Acq: 6 Jun 2018 20:14

Tgt Ion: 62 Resp: 632740

Ion Ratio Lower Upper

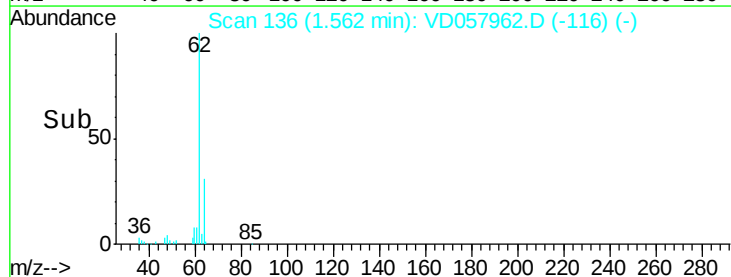
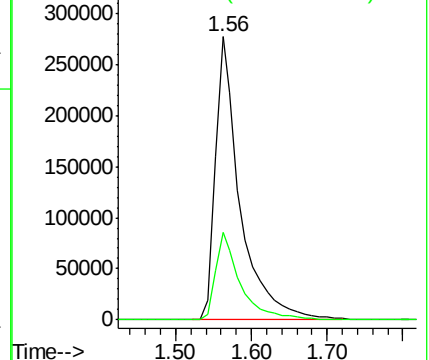
62 100

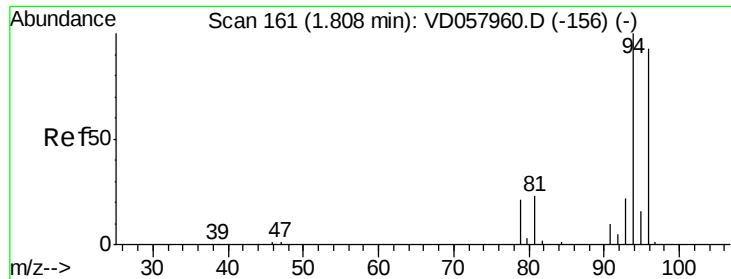
64 30.8 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 91.63 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

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Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

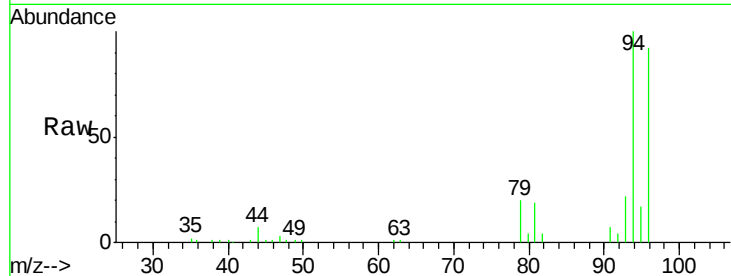
VSTDIC100

Tgt Ion: 94 Resp: 205651

Ion Ratio Lower Upper

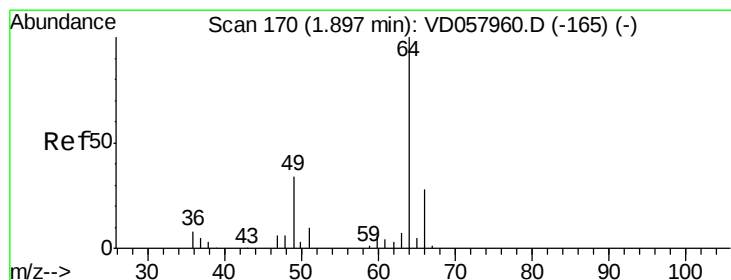
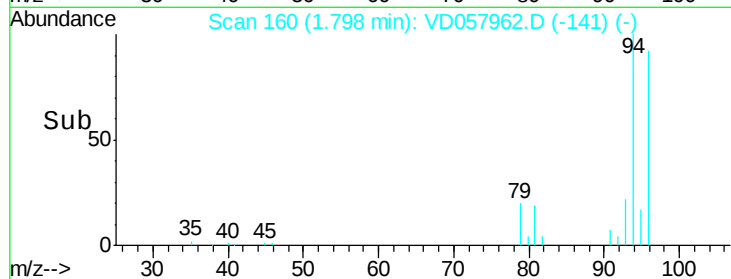
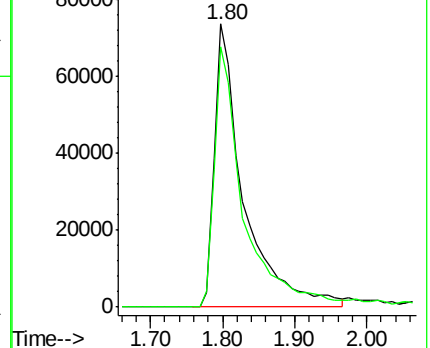
94 100

96 92.2 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 85.35 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD057962.D

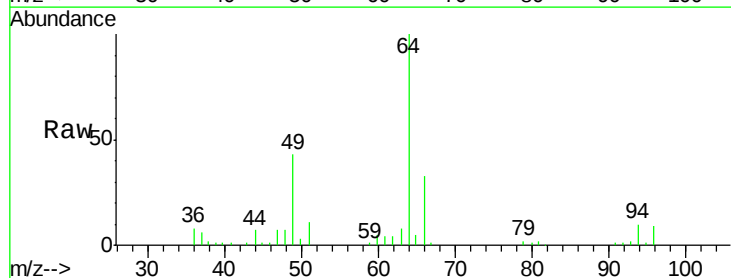
Acq: 6 Jun 2018 20:14

Tgt Ion: 64 Resp: 192817

Ion Ratio Lower Upper

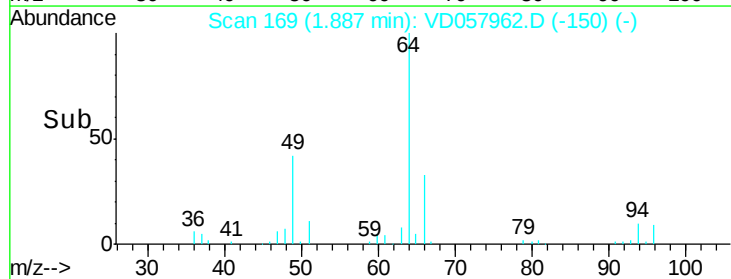
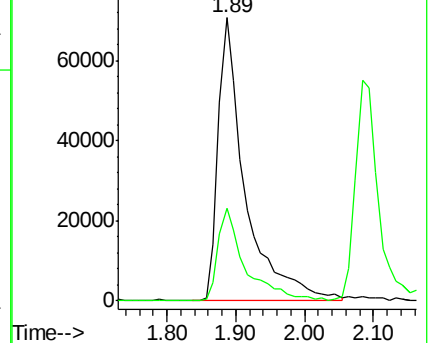
64 100

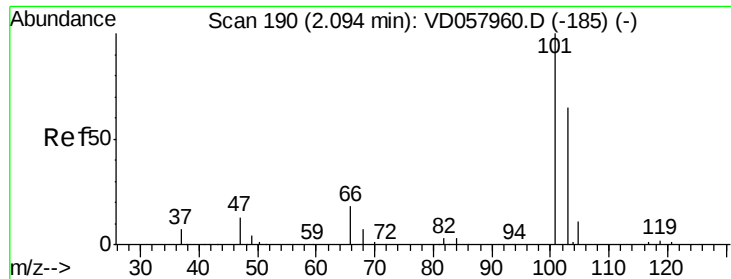
66 32.7 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



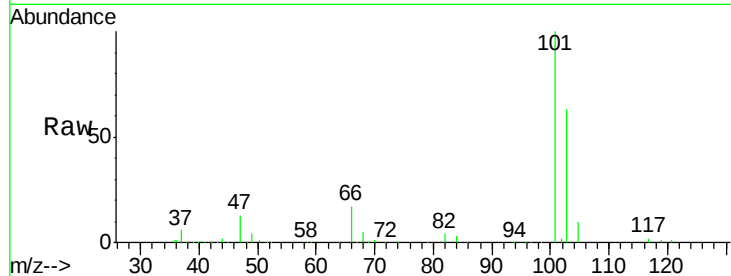


#7

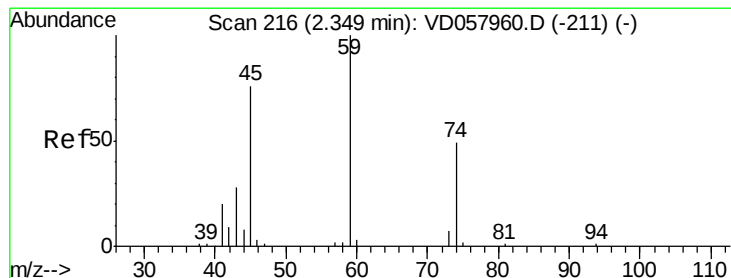
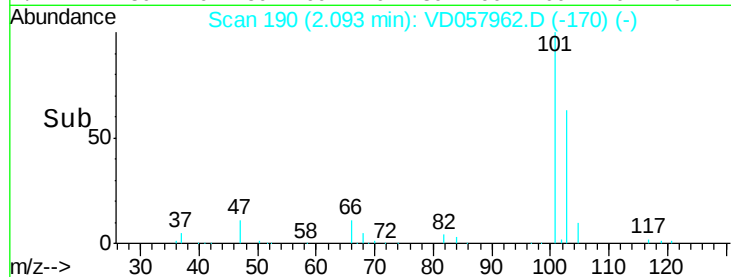
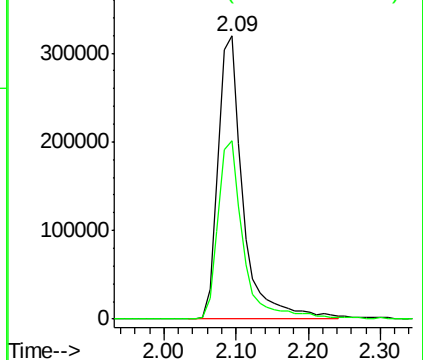
Trichlorofluoromethane
 Concen: 97.37 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 101 Resp: 762211
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.4 78.6



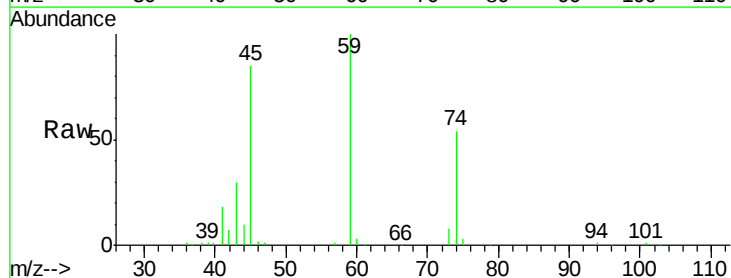
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



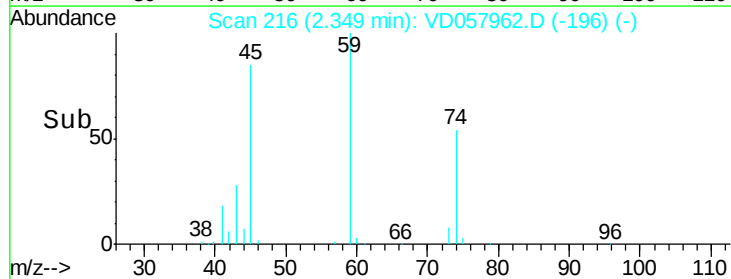
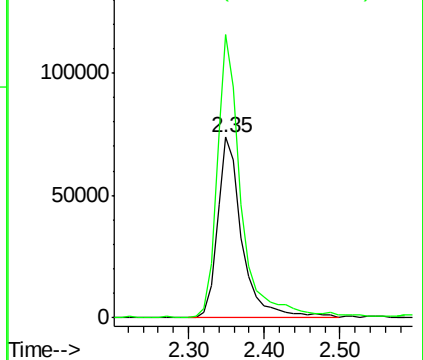
#8

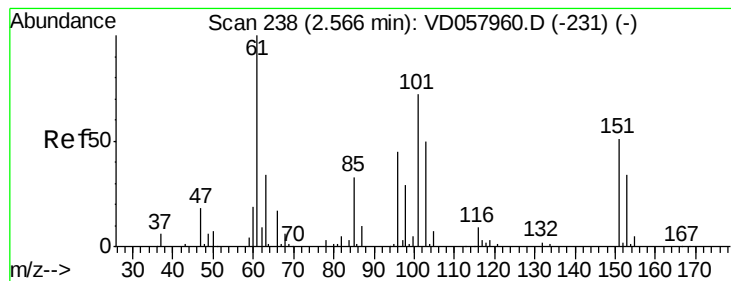
Diethyl Ether
 Concen: 115.13 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. -0.00 min
 Lab File: VD057962.D
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Tgt Ion: 74 Resp: 167408
 Ion Ratio Lower Upper
 74 100
 45 156.5 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.22 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

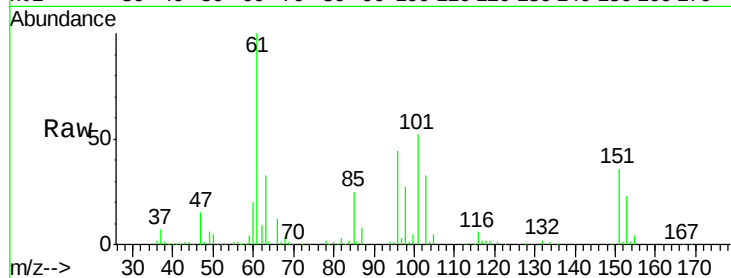
Tgt Ion:101 Resp: 491290

Ion Ratio Lower Upper

101 100

85 47.6 37.3 55.9

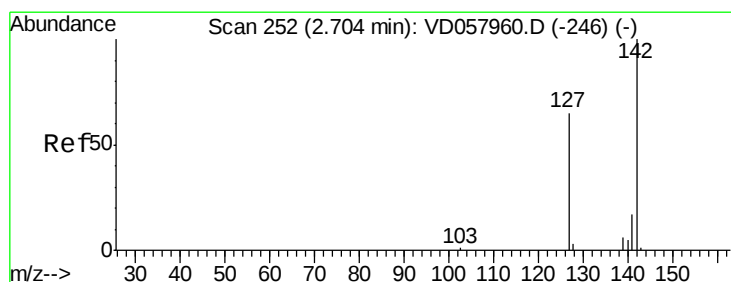
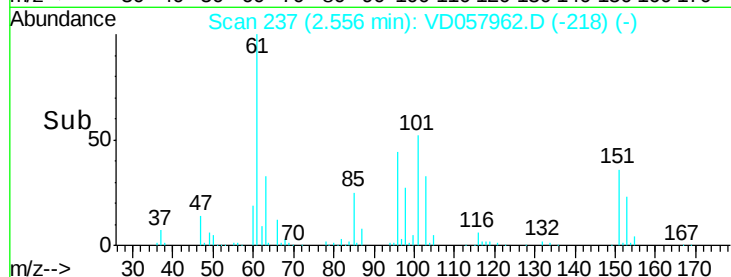
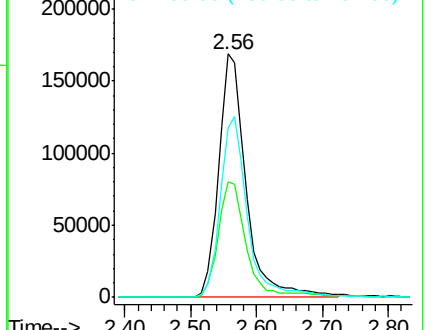
151 69.6 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 123.50 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

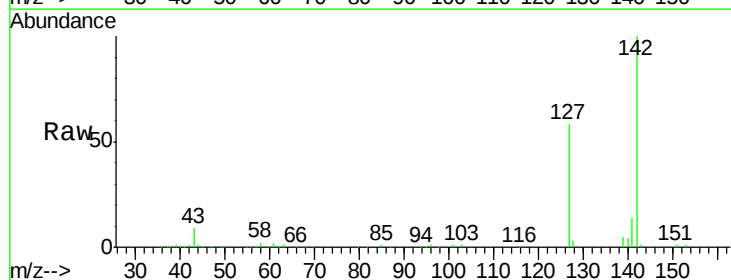
Tgt Ion:142 Resp: 744029

Ion Ratio Lower Upper

142 100

127 58.4 52.0 78.0

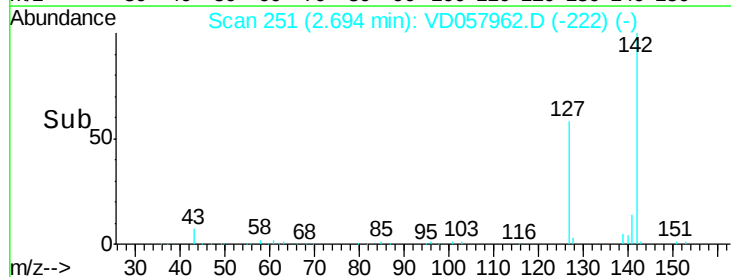
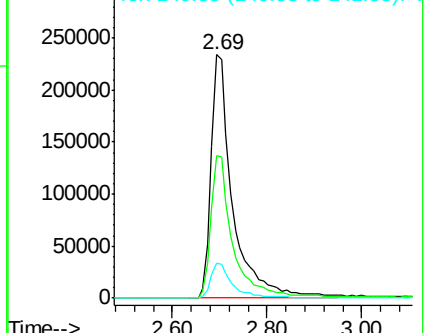
141 14.5 13.2 19.8

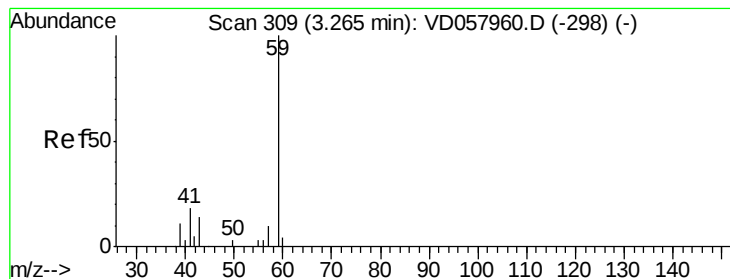


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



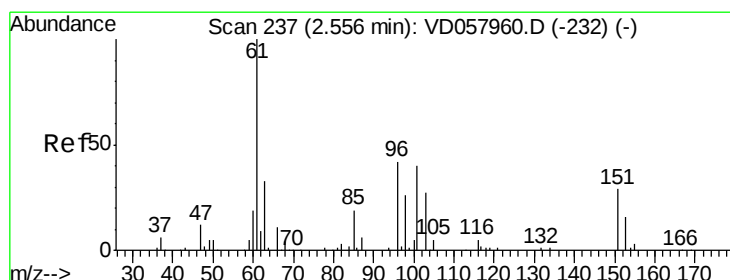
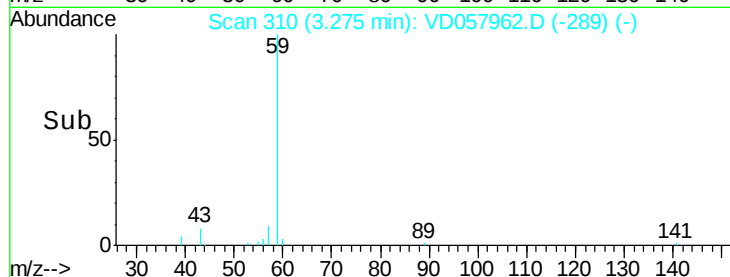
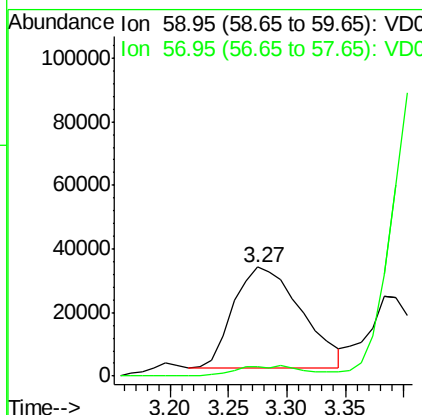
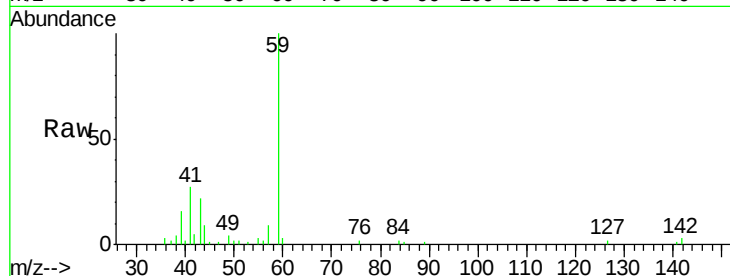


#11

Tert butyl alcohol
Concen: 534.80 ug/l
RT: 3.27 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

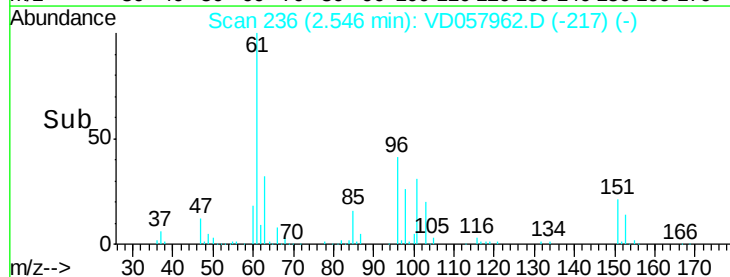
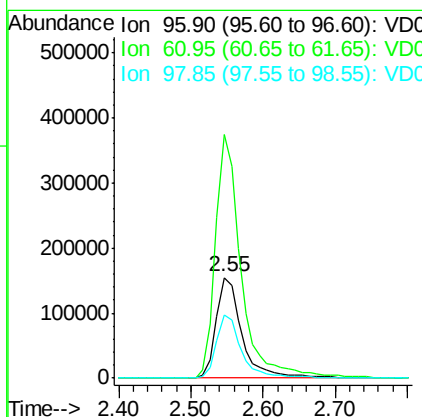
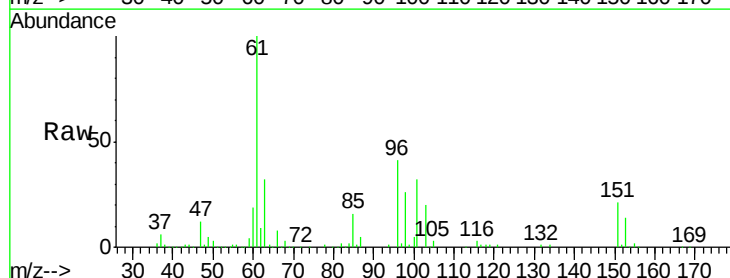
Tgt Ion: 59 Resp: 128187
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.6

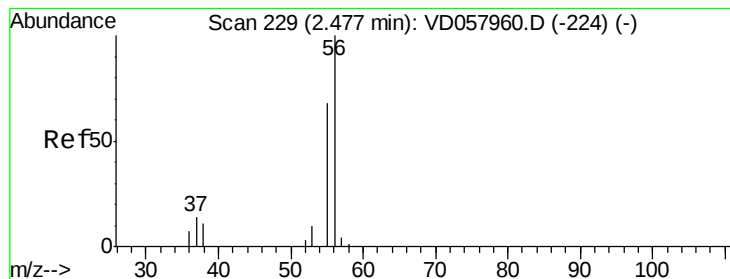


#12

1,1-Dichloroethene
Concen: 106.34 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 96 Resp: 381692
Ion Ratio Lower Upper
96 100
61 241.7 190.2 285.4
98 62.4 49.6 74.4





#13

Acrolein

Concen: 549.79 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

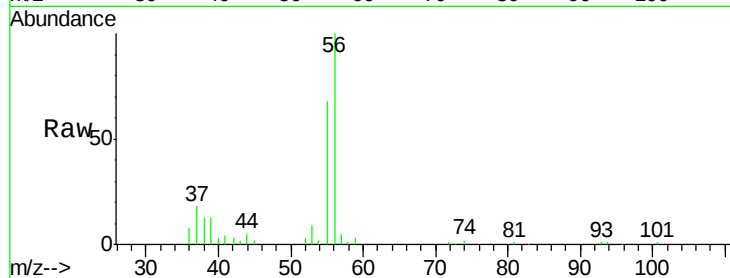
VSTDIC100

Tgt Ion: 56 Resp: 188729

Ion Ratio Lower Upper

56 100

55 67.7 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.48

80000

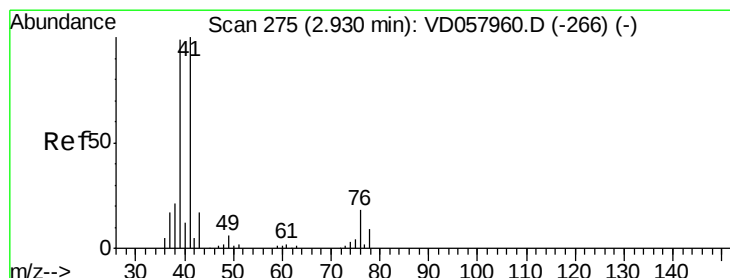
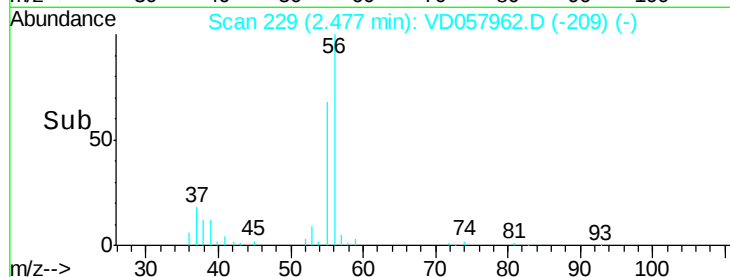
60000

40000

20000

0

Time--> 2.30 2.40 2.50 2.60 2.70



#14

Allyl chloride

Concen: 109.54 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

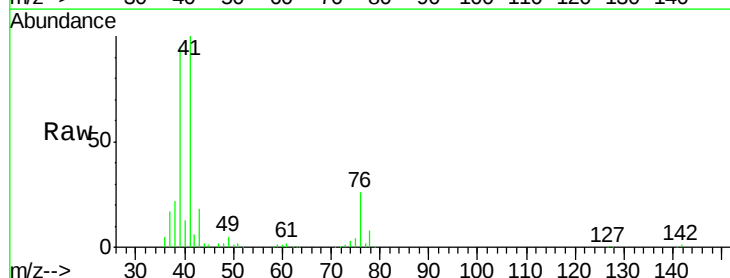
Tgt Ion: 41 Resp: 906992

Ion Ratio Lower Upper

41 100

39 95.1 79.5 119.3

76 25.8 20.7 31.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

800000

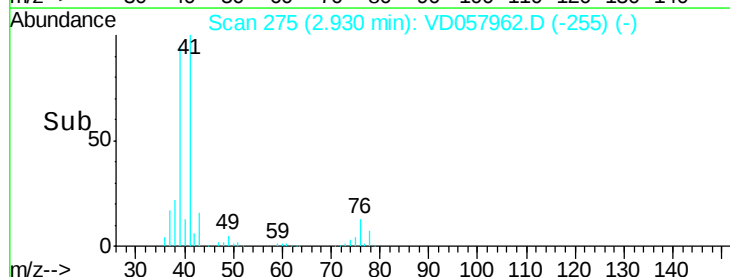
600000

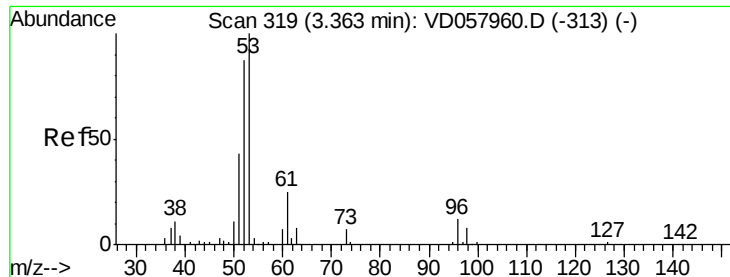
400000

200000

0

Time--> 2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 521.75 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

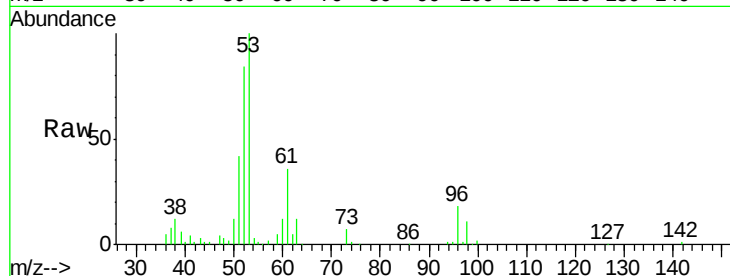
Tgt Ion: 53 Resp: 731614

Ion Ratio Lower Upper

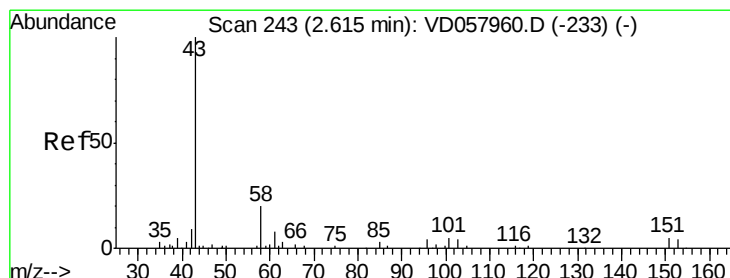
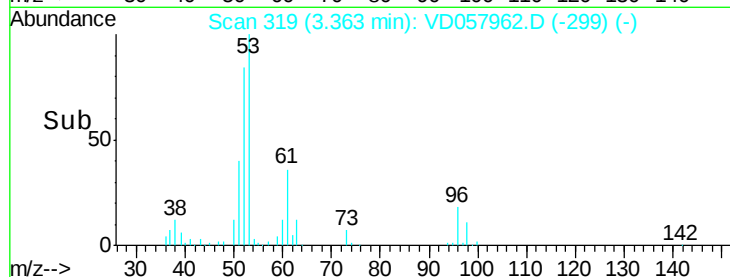
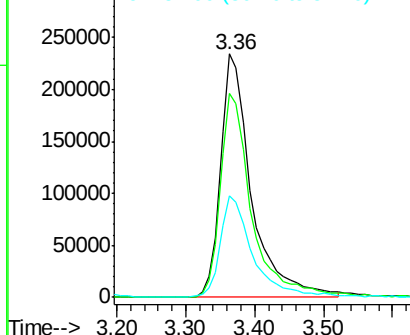
53 100

52 83.9 69.9 104.9

51 41.9 34.3 51.5



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: 523.06 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD057962.D

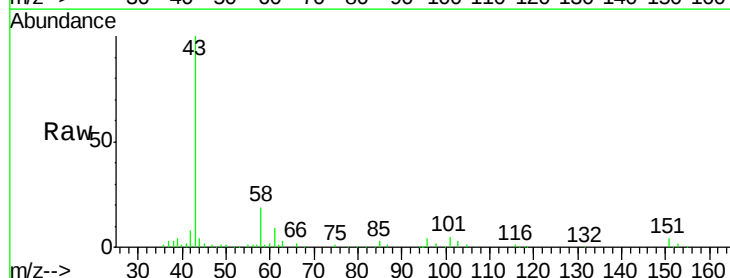
Acq: 6 Jun 2018 20:14

Tgt Ion: 43 Resp: 674273

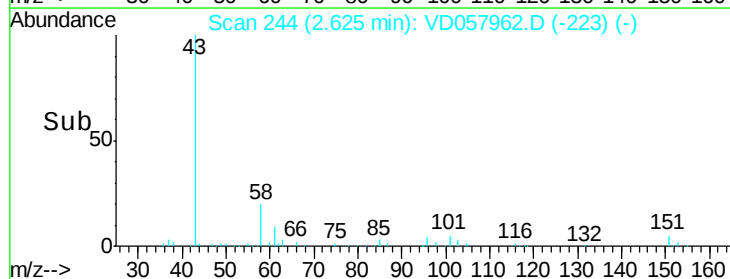
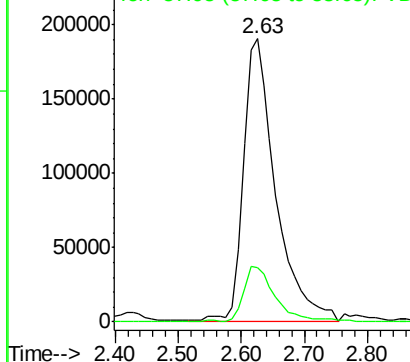
Ion Ratio Lower Upper

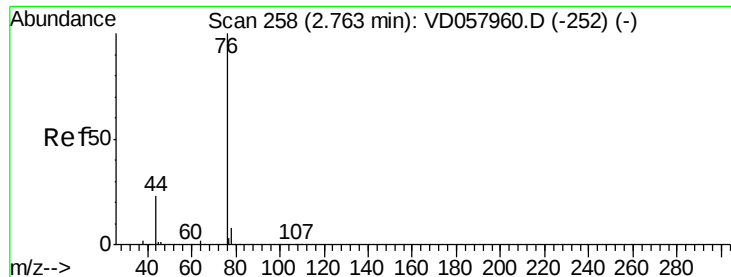
43 100

58 19.1 15.8 23.8



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





#17

Carbon Disulfide

Concen: 112.53 ug/l

RT: 2.76 min Scan# 258

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

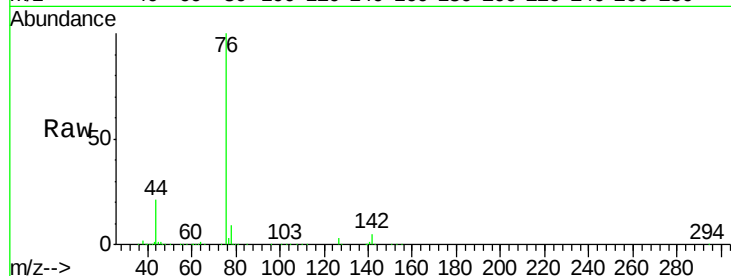
VSTDIC100

Tgt Ion: 76 Resp: 1463220

Ion Ratio Lower Upper

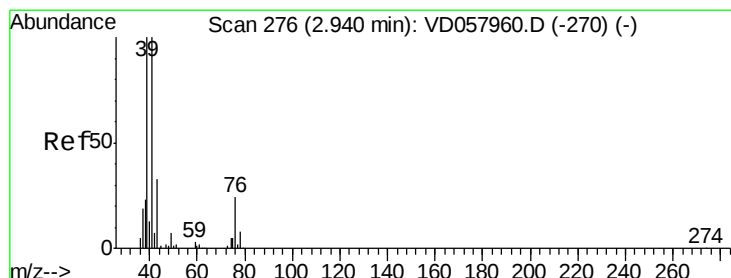
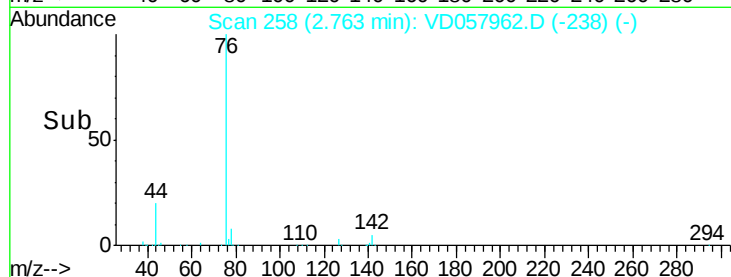
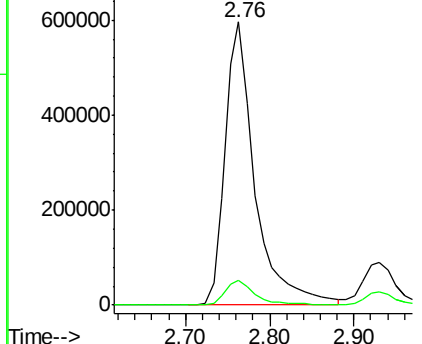
76 100

78 8.8 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 104.67 ug/l

RT: 2.94 min Scan# 276

Delta R.T. -0.00 min

Lab File: VD057962.D

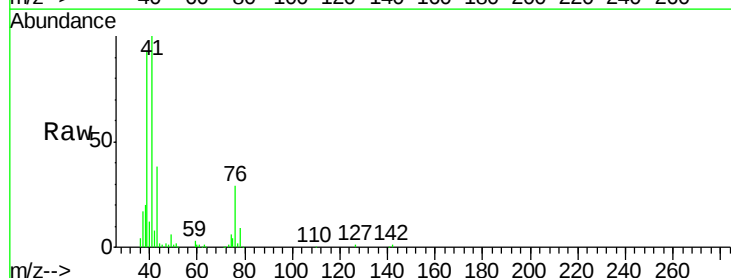
Acq: 6 Jun 2018 20:14

Tgt Ion: 43 Resp: 261029

Ion Ratio Lower Upper

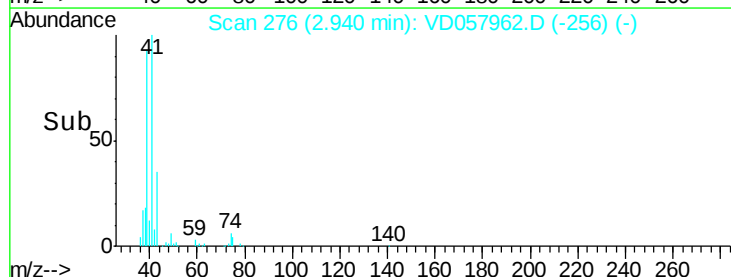
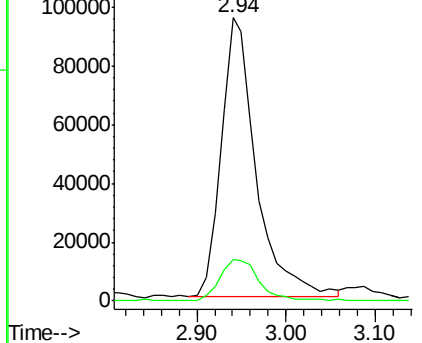
43 100

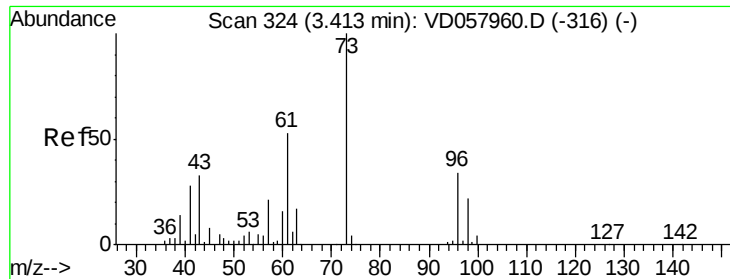
74 14.8 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

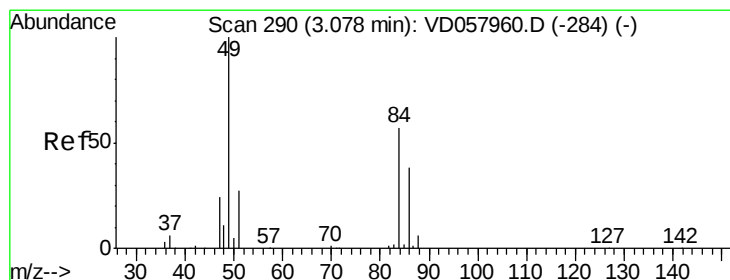
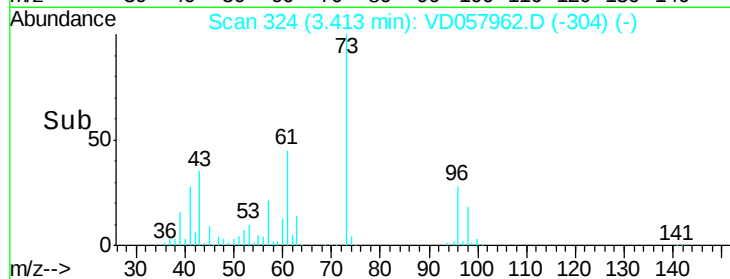
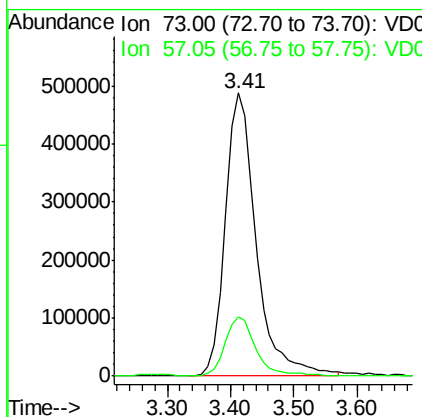
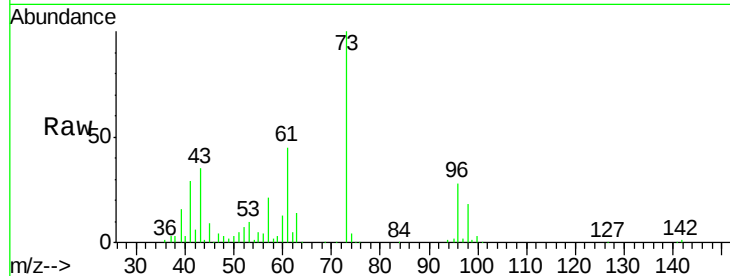




#19
Methyl tert-butyl Ether
Concen: 104.79 ug/l
RT: 3.41 min Scan# 324
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

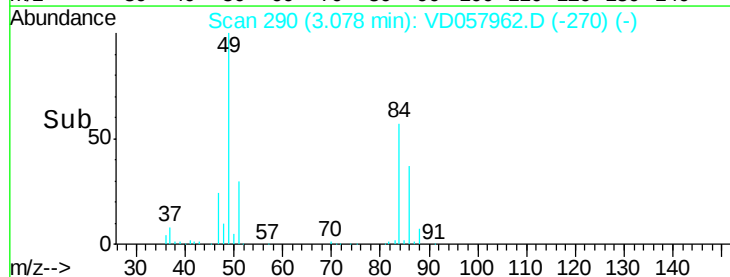
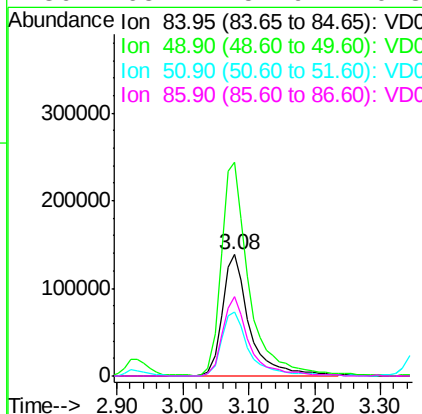
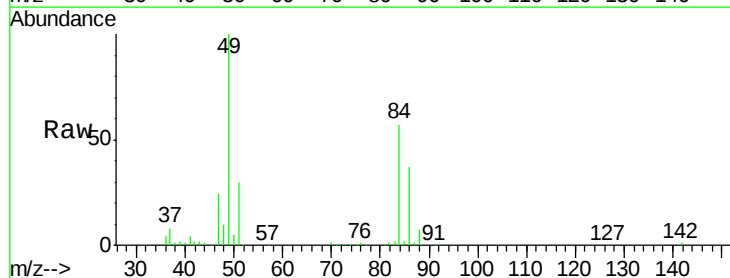
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

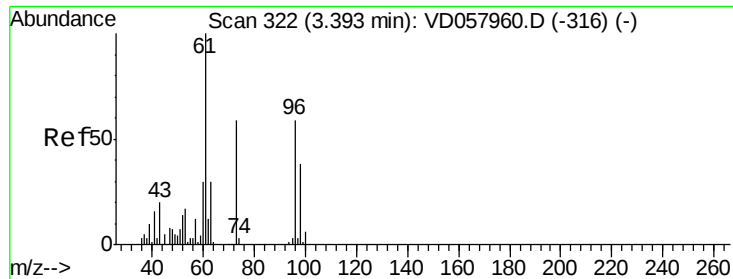
Tgt Ion: 73 Resp: 1655075
Ion Ratio Lower Upper
73 100
57 21.1 16.7 25.1



#20
Methylene Chloride
Concen: 90.59 ug/l
RT: 3.08 min Scan# 290
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 84 Resp: 399118
Ion Ratio Lower Upper
84 100
49 175.9 141.4 212.0
51 52.4 38.3 57.5
86 65.2 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 97.49 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

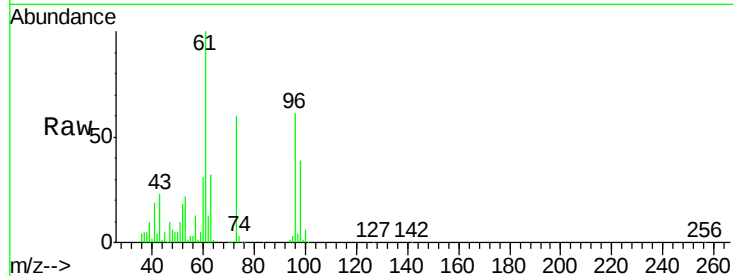
Tgt Ion: 96 Resp: 779416

Ion Ratio Lower Upper

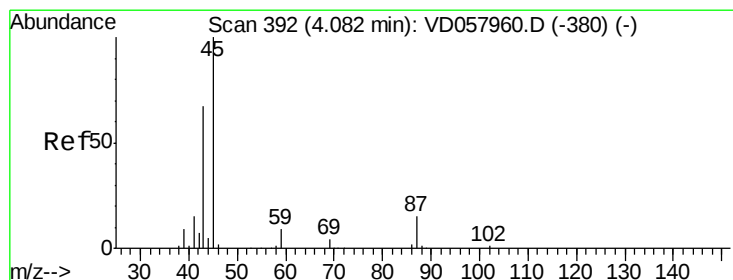
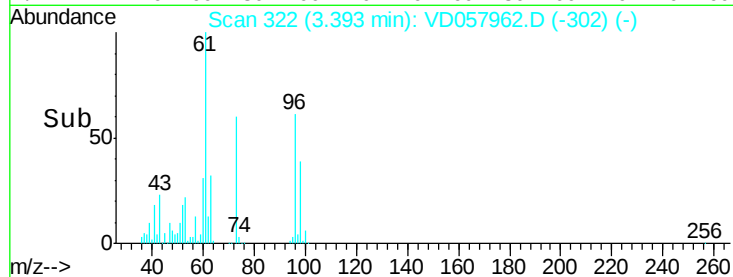
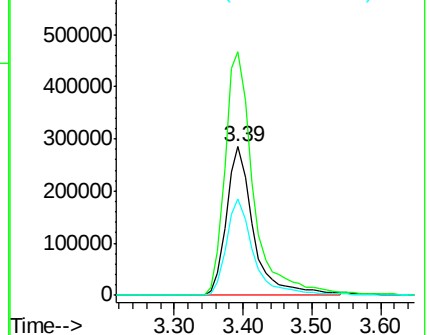
96 100

61 163.9 135.2 202.8

98 64.5 51.7 77.5



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



#22

Diisopropyl ether

Concen: 98.83 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Tgt Ion: 45 Resp: 3242070

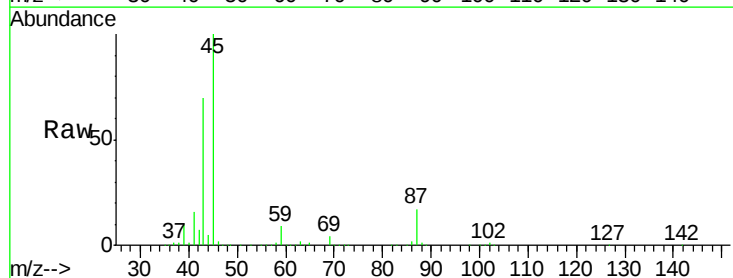
Ion Ratio Lower Upper

45 100

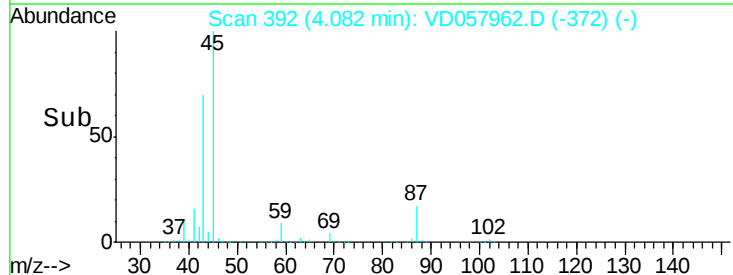
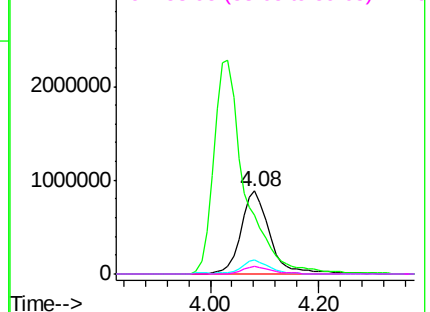
43 70.4 53.8 80.8

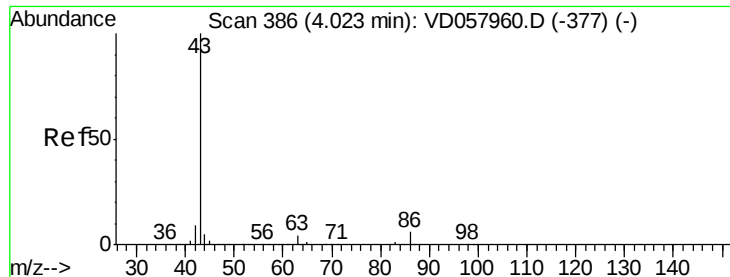
87 16.8 12.5 18.7

59 8.8 7.3 10.9



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





#23

Vinyl Acetate

Concen: 526.68 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

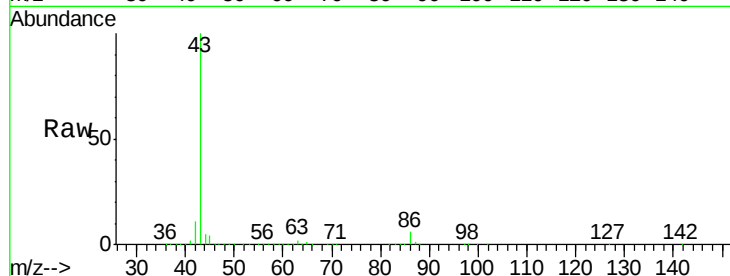
VSTDIC100

Tgt Ion: 43 Resp: 8926613

Ion Ratio Lower Upper

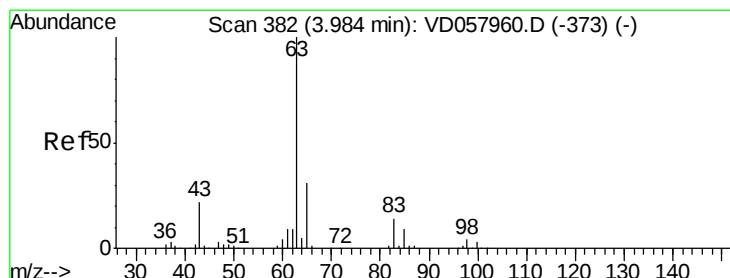
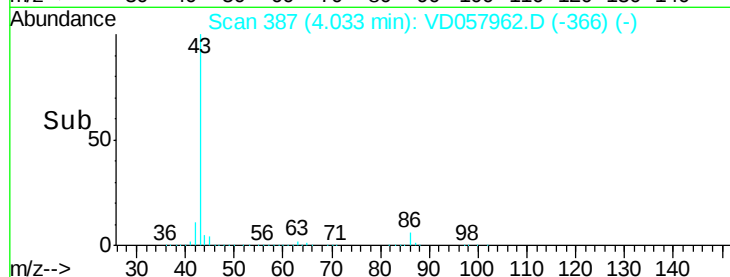
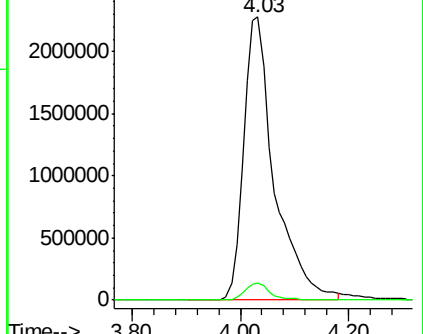
43 100

86 6.1 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 100.63 ug/l

RT: 3.98 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

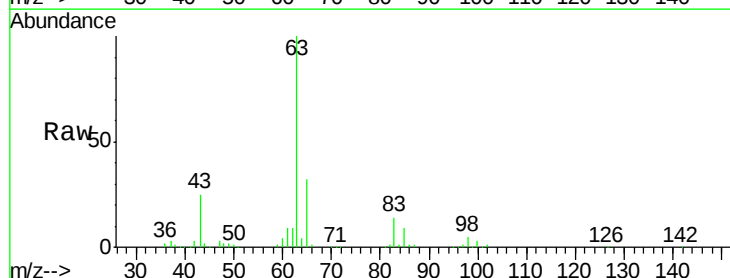
Tgt Ion: 63 Resp: 1814132

Ion Ratio Lower Upper

63 100

98 4.6 2.0 5.8

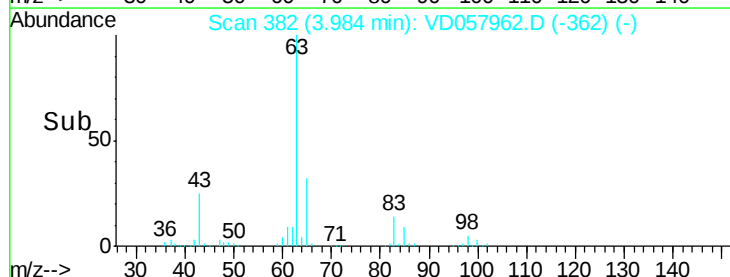
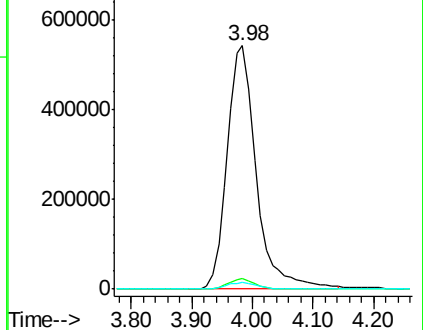
100 2.7 1.4 4.2

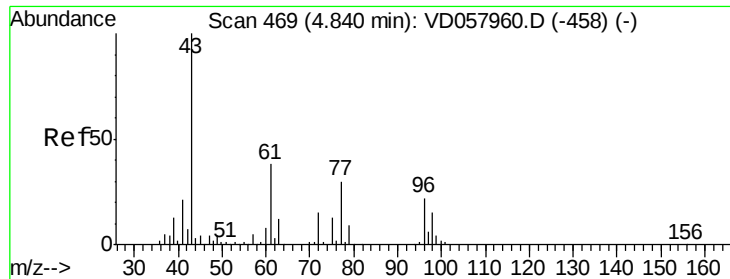


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

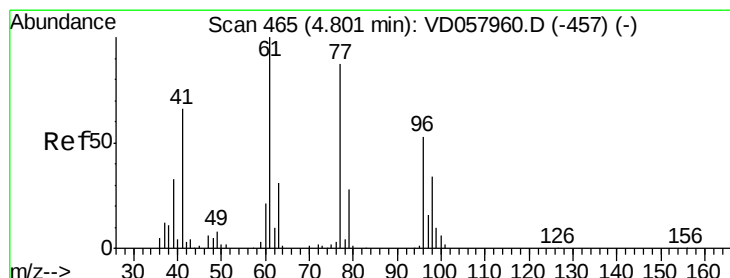
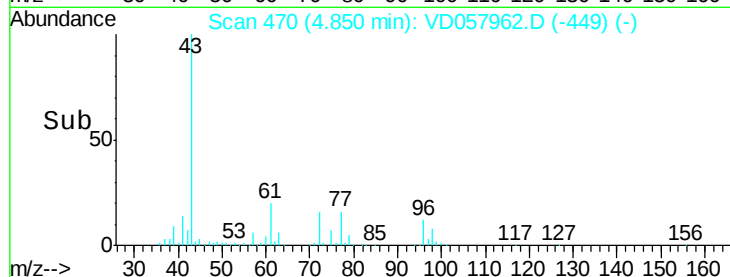
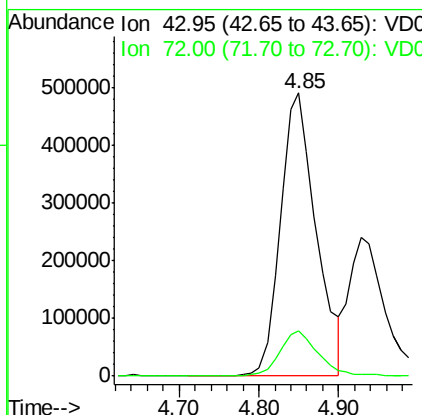
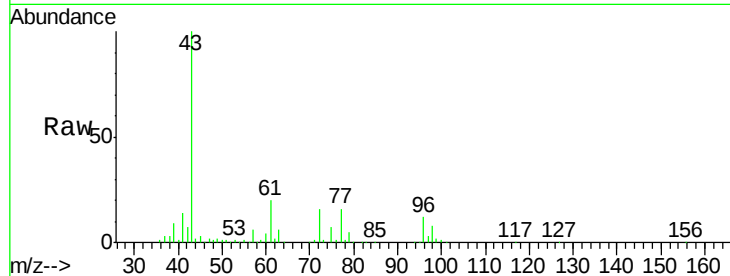




#25
 2-Butanone
 Concen: 520.95 ug/l
 RT: 4.85 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

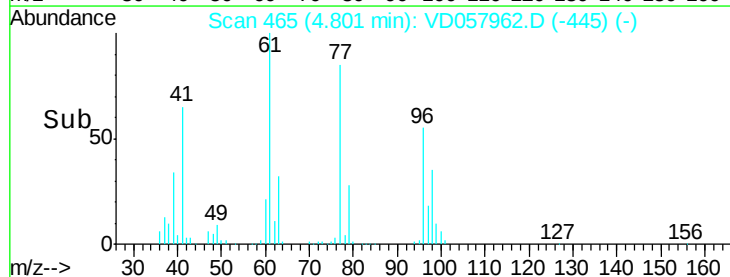
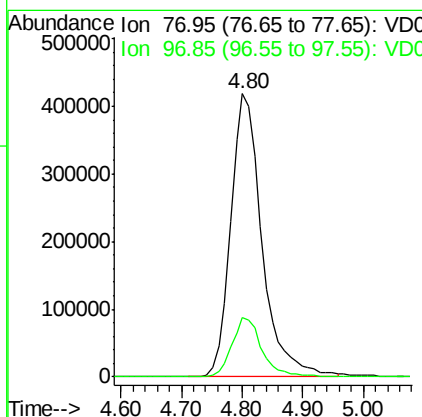
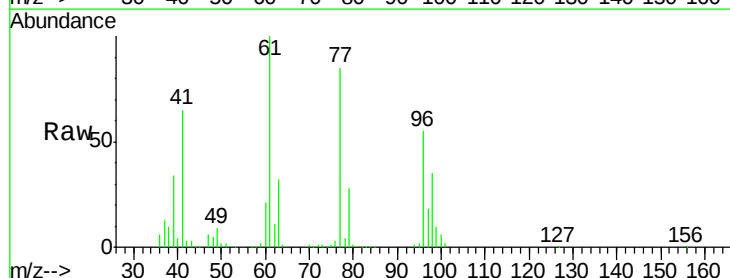
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

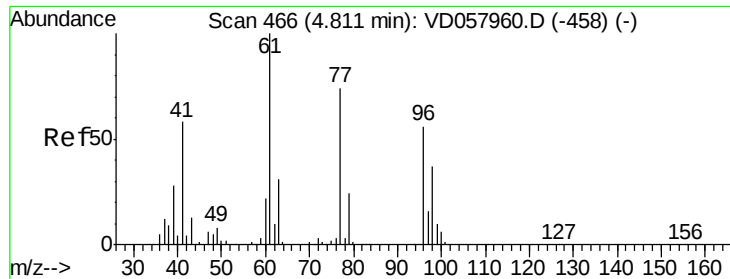
Tgt Ion: 43 Resp: 1526202
 Ion Ratio Lower Upper
 43 100
 72 16.1 12.0 18.0



#26
 2,2-Dichloropropane
 Concen: 100.76 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 77 Resp: 1496435
 Ion Ratio Lower Upper
 77 100
 97 21.0 9.2 27.6

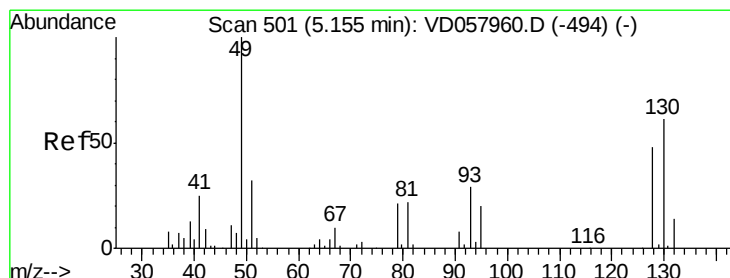
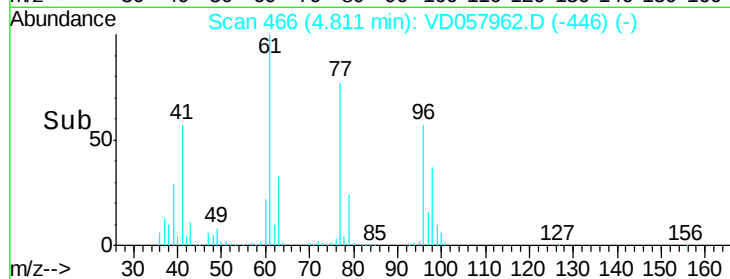
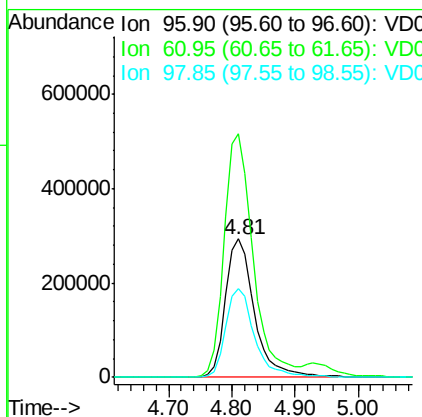
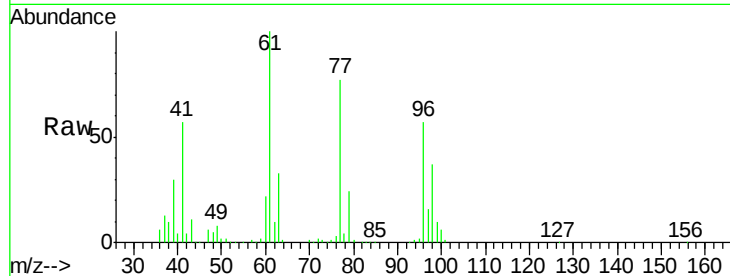




#27
 cis-1,2-Dichloroethene
 Concen: 98.22 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

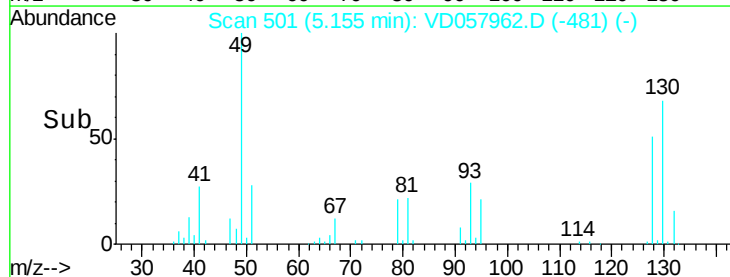
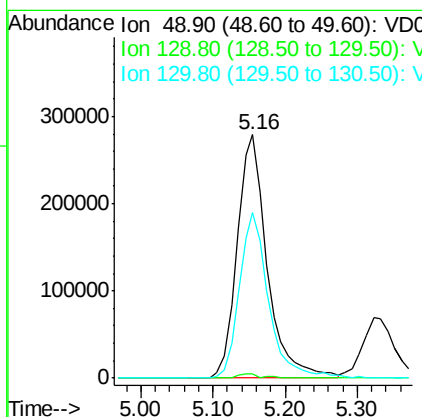
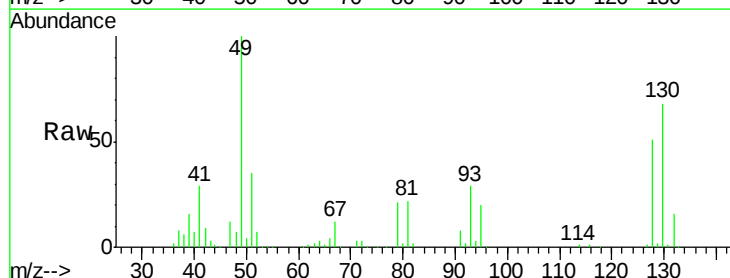
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

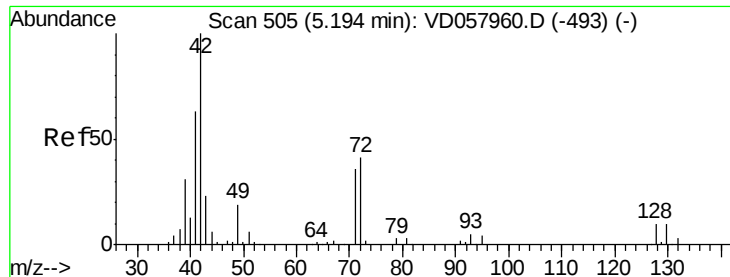
Tgt Ion: 96 Resp: 931296
 Ion Ratio Lower Upper
 96 100
 61 176.3 0.0 355.0
 98 64.4 0.0 129.6



#28
 Bromochloromethane
 Concen: 103.57 ug/l
 RT: 5.16 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 49 Resp: 808186
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.6
 130 67.7 48.8 73.2





#29

Tetrahydrofuran

Concen: 511.99 ug/l

RT: 5.19 min Scan# 505

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

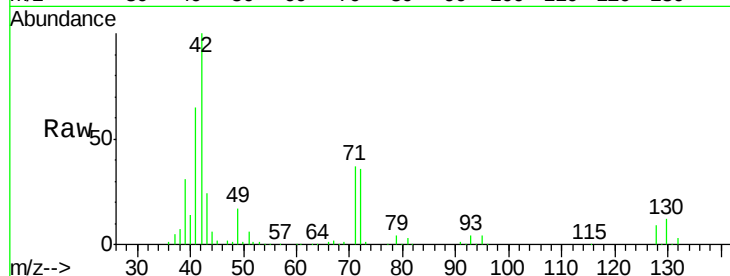
Tgt Ion: 42 Resp: 786291

Ion Ratio Lower Upper

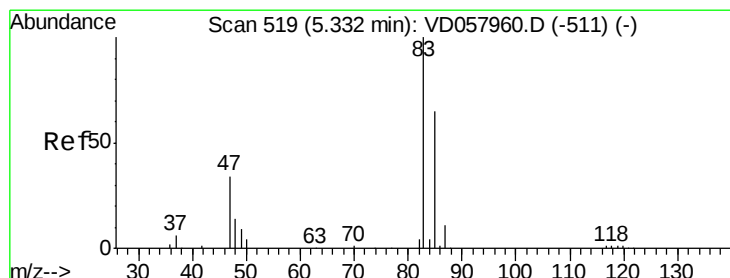
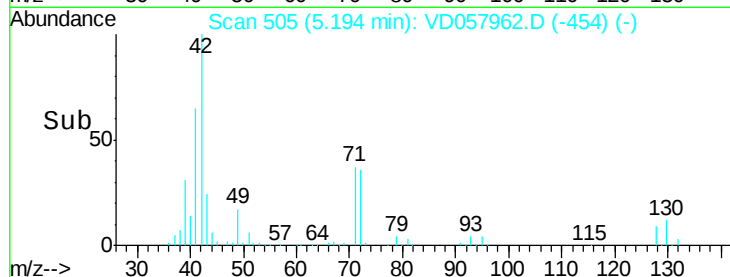
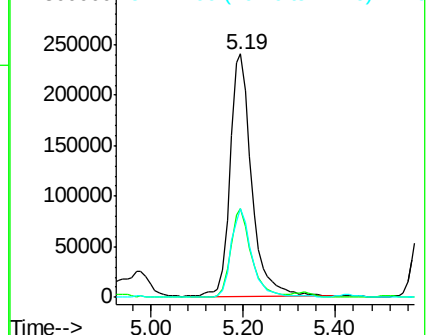
42 100

72 35.1 28.5 42.7

71 35.0 27.9 41.9



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: 102.44 ug/l

RT: 5.33 min Scan# 519

Delta R.T. -0.00 min

Lab File: VD057962.D

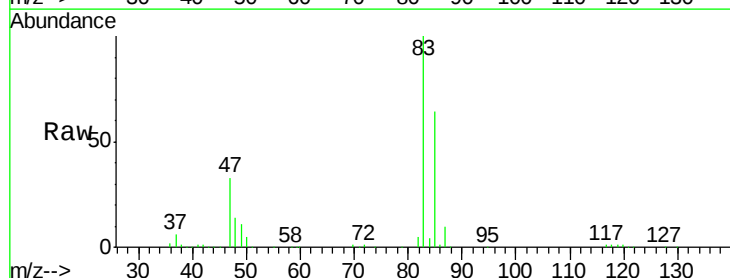
Acq: 6 Jun 2018 20:14

Tgt Ion: 83 Resp: 1858762

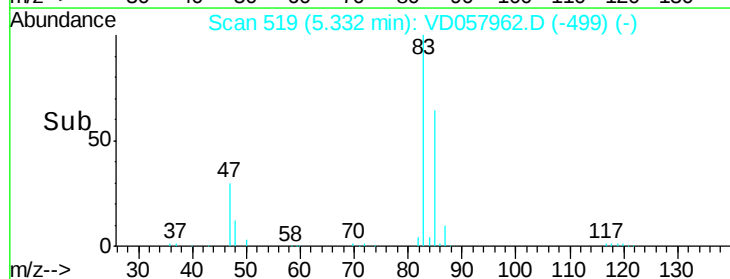
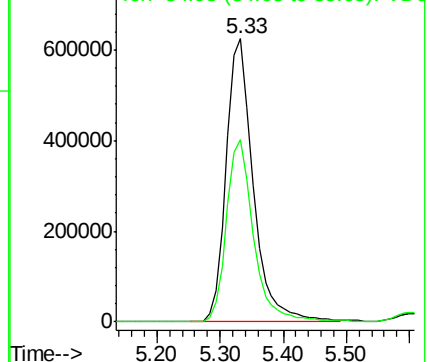
Ion Ratio Lower Upper

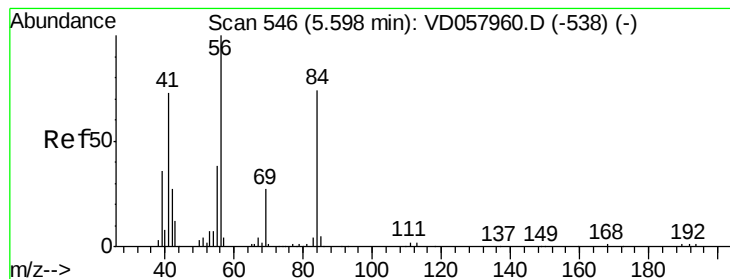
83 100

85 64.4 51.6 77.4



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





#31

Cyclohexane

Concen: 87.53 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

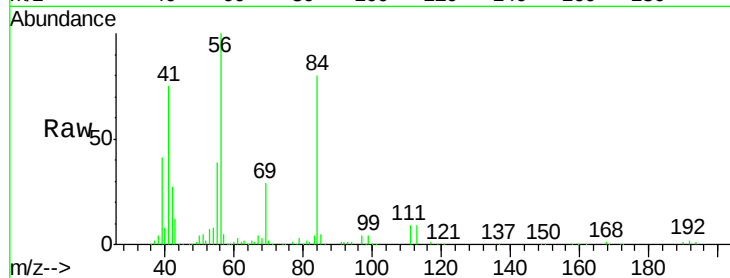
Tgt Ion: 56 Resp: 1361749

Ion Ratio Lower Upper

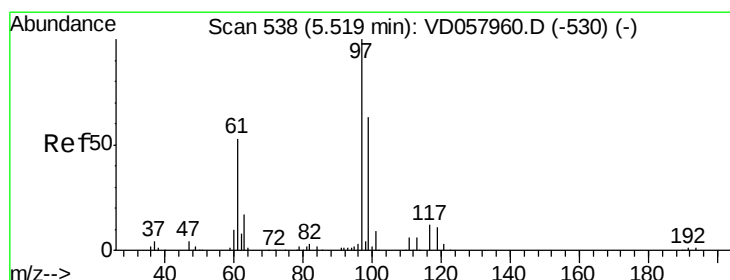
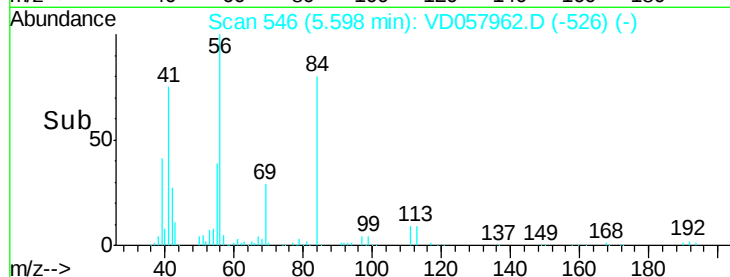
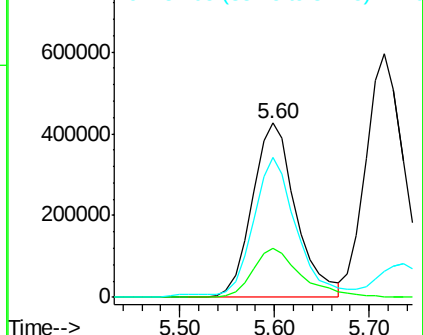
56 100

69 28.5 21.5 32.3

84 80.3 61.0 91.6



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: 106.40 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

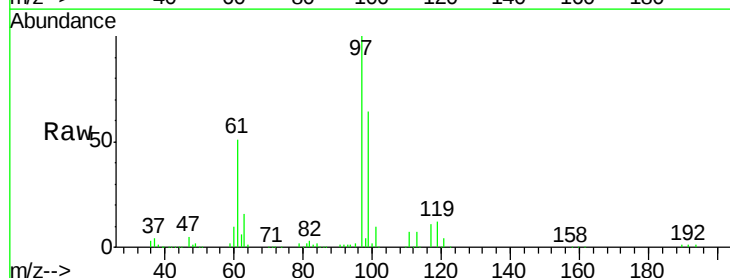
Tgt Ion: 97 Resp: 1616417

Ion Ratio Lower Upper

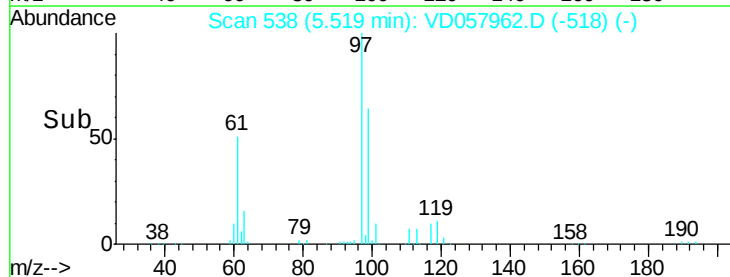
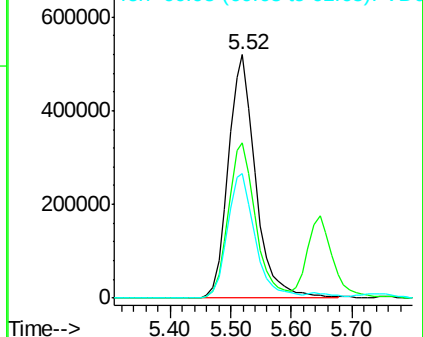
97 100

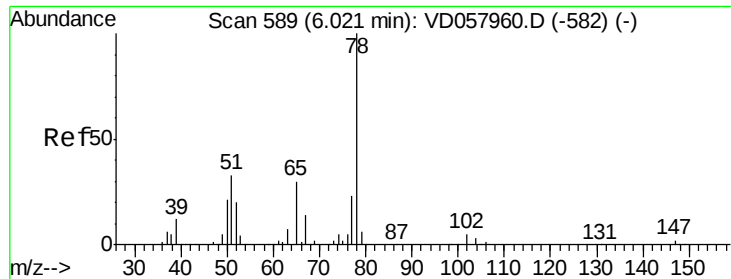
99 63.9 50.1 75.1

61 51.2 42.2 63.4



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

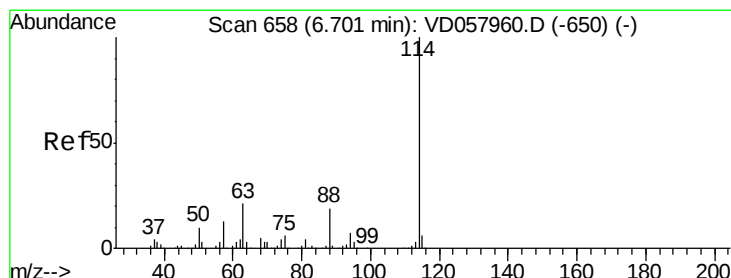
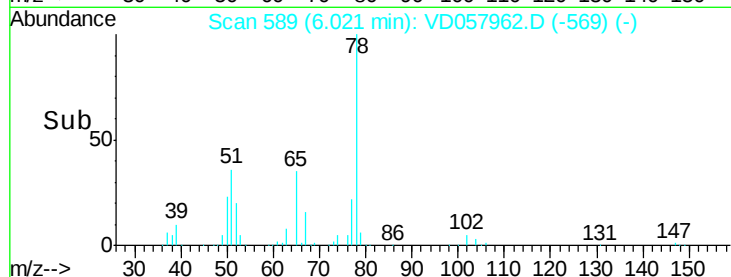
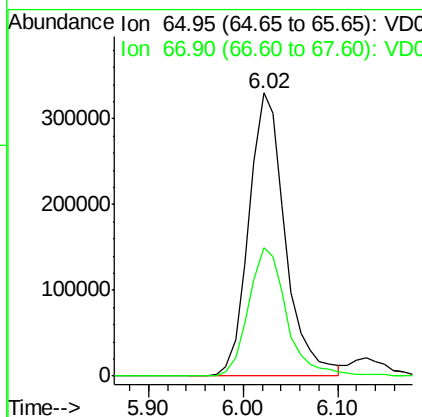
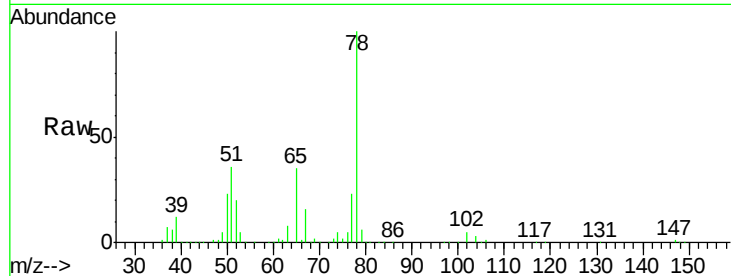




#33
 1,2-Dichloroethane-d4
 Concen: 106.40 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

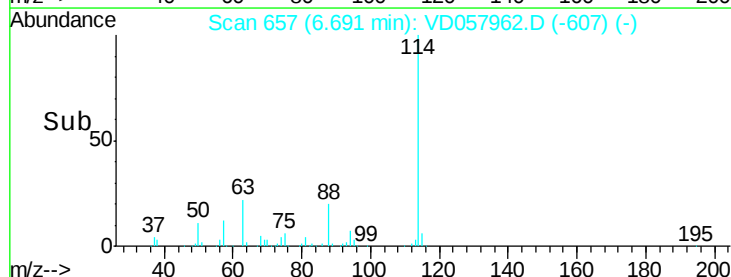
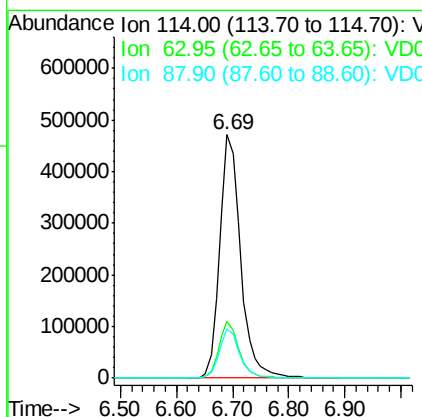
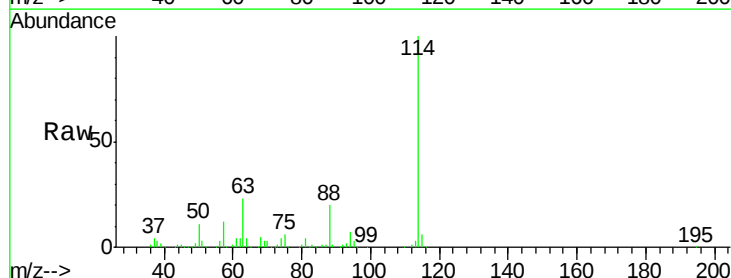
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

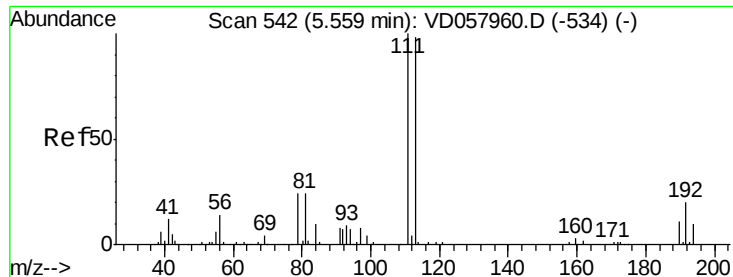
Tgt Ion: 65 Resp: 882032
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 114 Resp: 1231554
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 42.8
 88 20.2 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

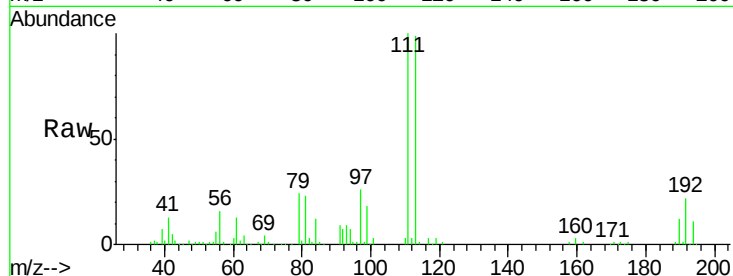
Tgt Ion:113 Resp: 919542

Ion Ratio Lower Upper

113 100

111 101.4 81.5 122.3

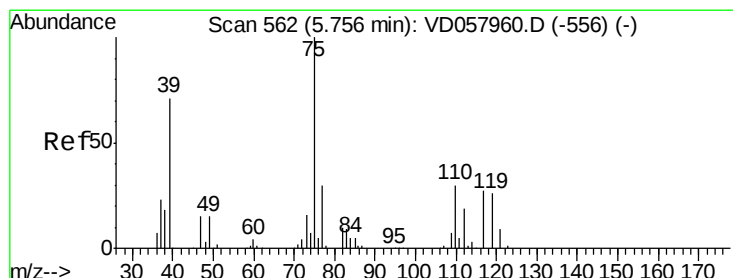
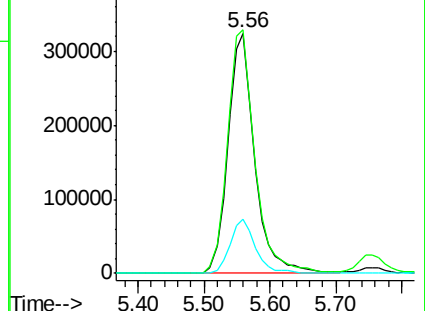
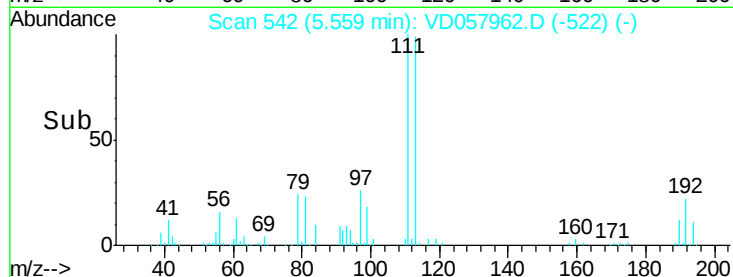
192 22.4 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 92.26 ug/l

RT: 5.76 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

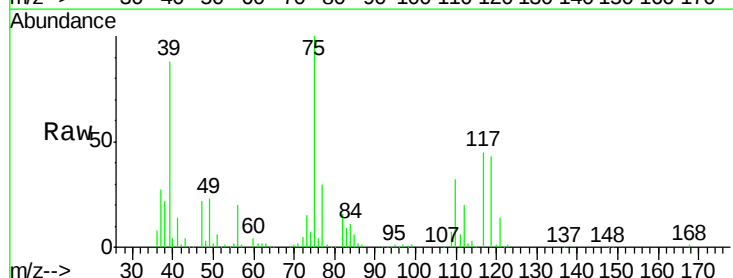
Tgt Ion: 75 Resp: 1251851

Ion Ratio Lower Upper

75 100

110 32.5 14.8 44.3

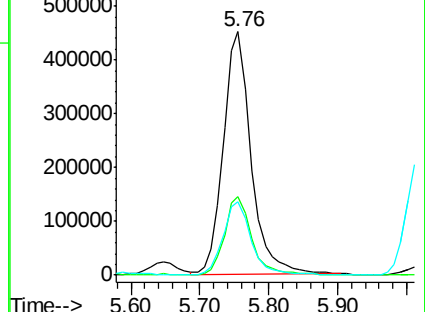
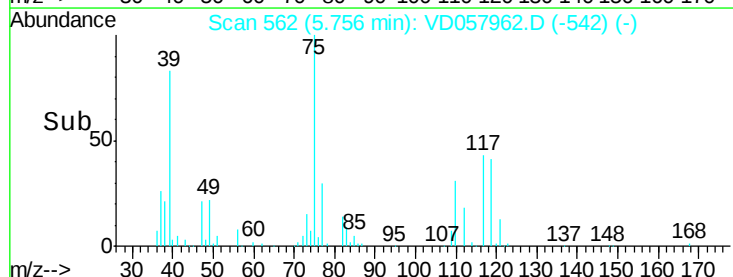
77 30.3 23.9 35.9

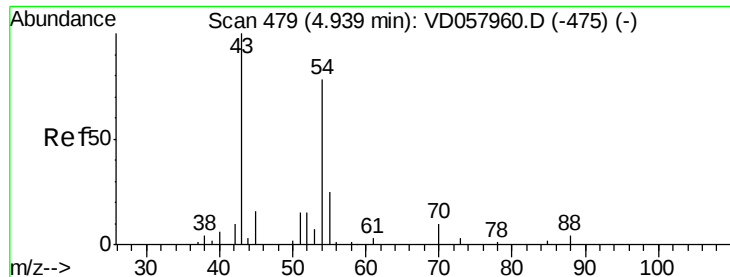


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

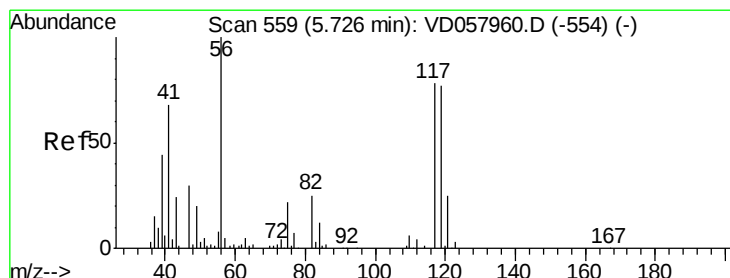
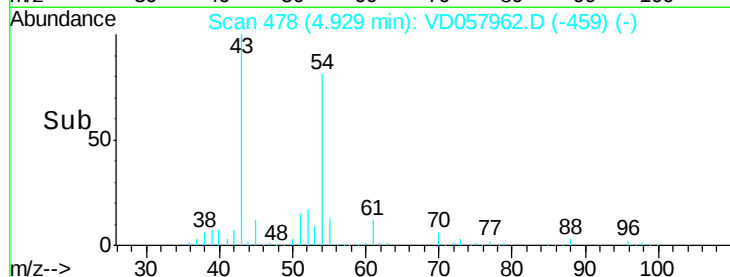
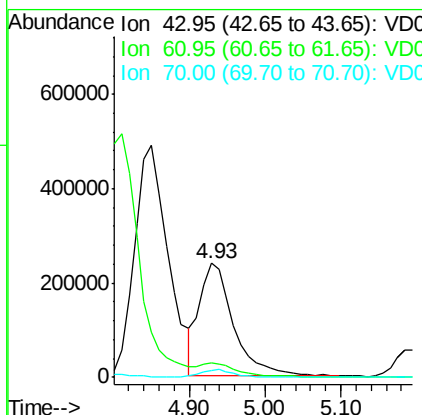
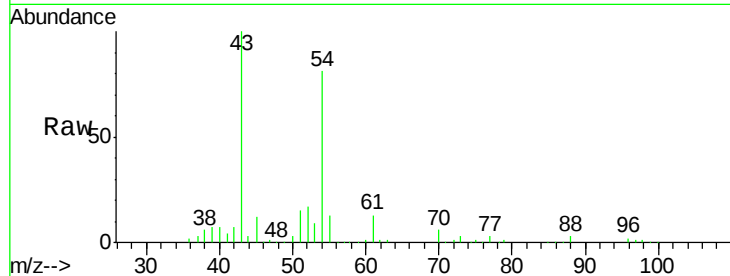




#37
 Ethyl Acetate
 Concen: 101.95 ug/l
 RT: 4.93 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

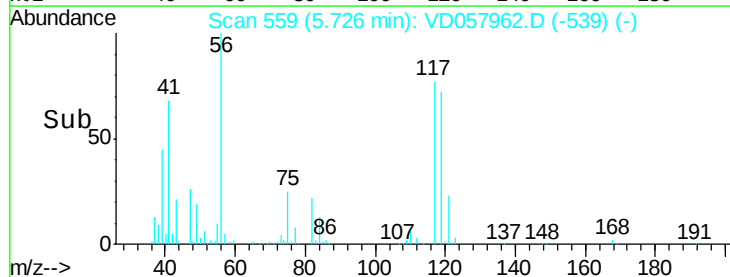
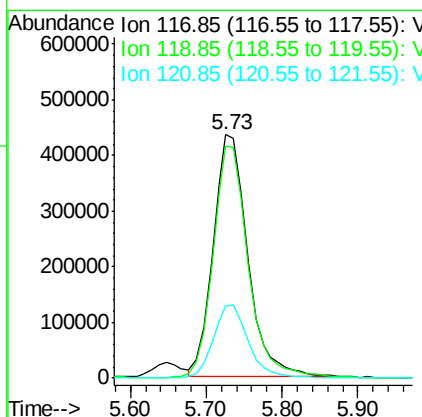
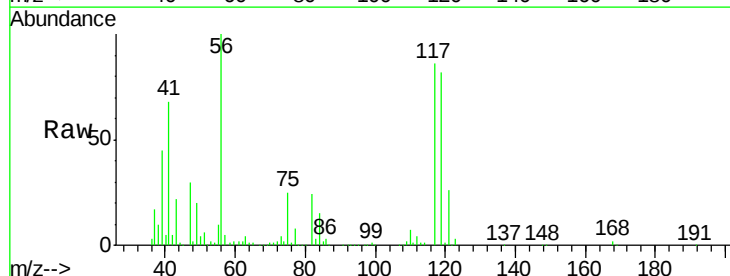
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

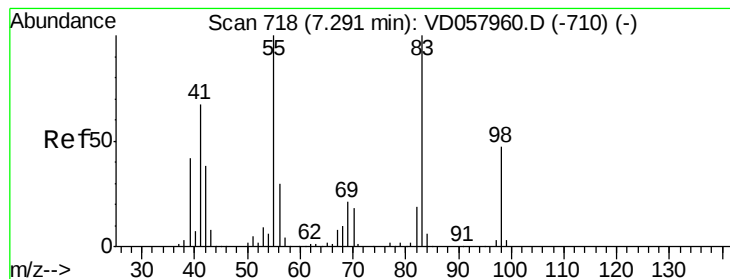
Tgt Ion: 43 Resp: 754812
 Ion Ratio Lower Upper
 43 100
 61 12.6 9.9 14.9
 70 6.0 5.7 8.5



#38
 Carbon Tetrachloride
 Concen: 102.55 ug/l
 RT: 5.73 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 117 Resp: 1371374
 Ion Ratio Lower Upper
 117 100
 119 95.5 76.1 114.1
 121 29.6 24.9 37.3





#39

Methylcyclohexane

Concen: 94.75 ug/l

RT: 7.29 min Scan# 718

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

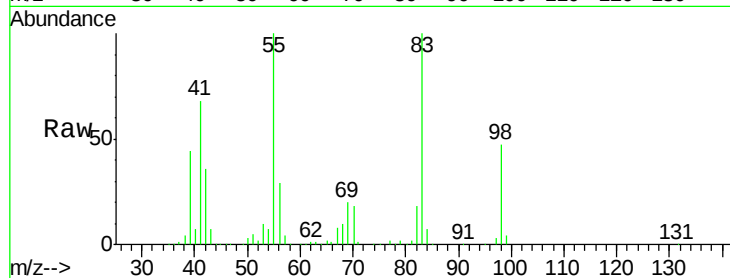
Tgt Ion: 83 Resp: 1274476

Ion Ratio Lower Upper

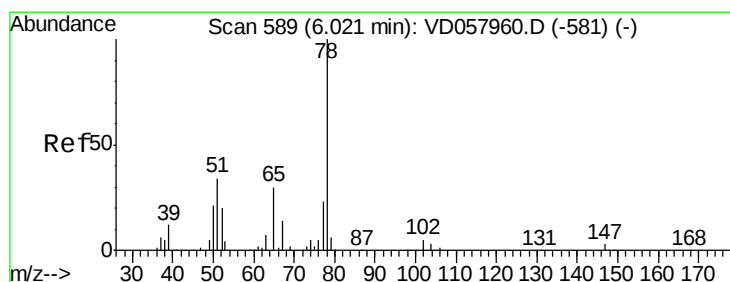
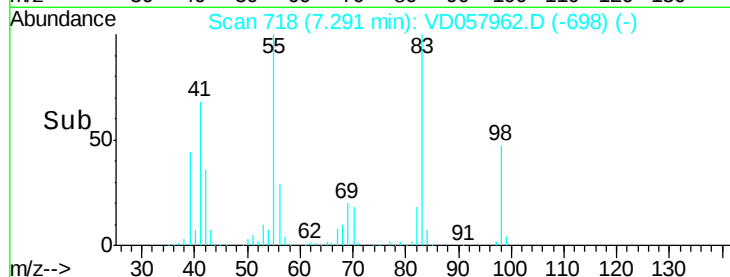
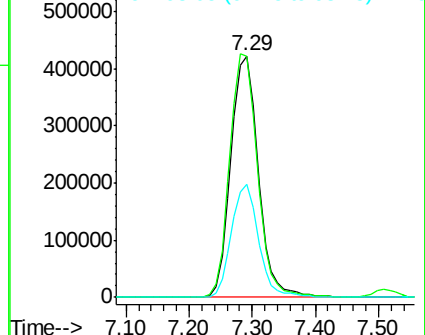
83 100

55 99.5 80.3 120.5

98 47.1 38.0 57.0



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



#40

Benzene

Concen: 90.71 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD057962.D

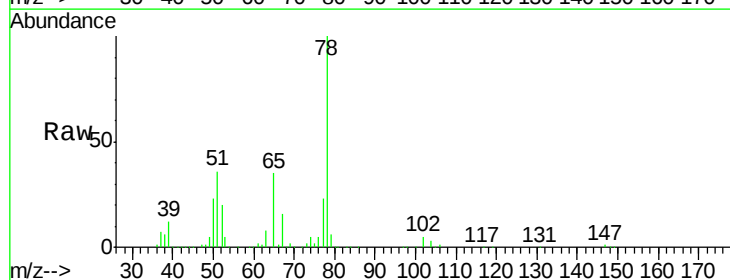
Acq: 6 Jun 2018 20:14

Tgt Ion: 78 Resp: 2875143

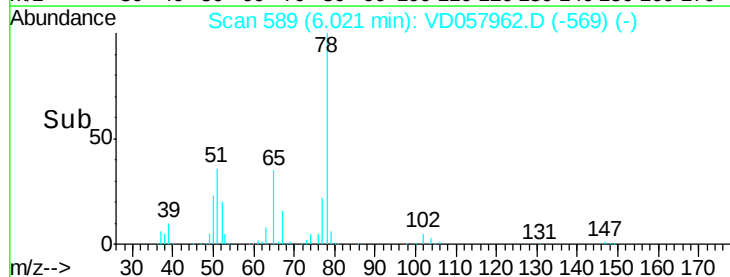
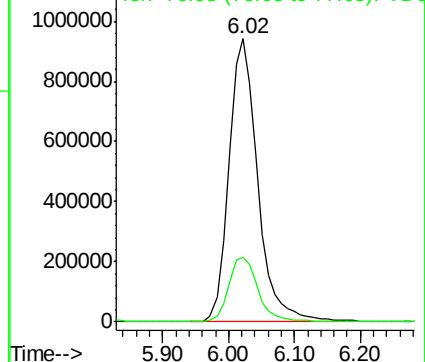
Ion Ratio Lower Upper

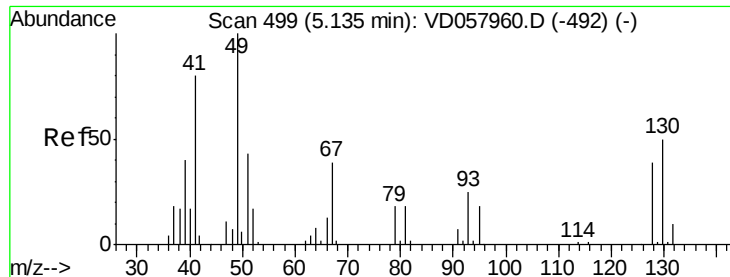
78 100

77 22.6 18.1 27.1



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

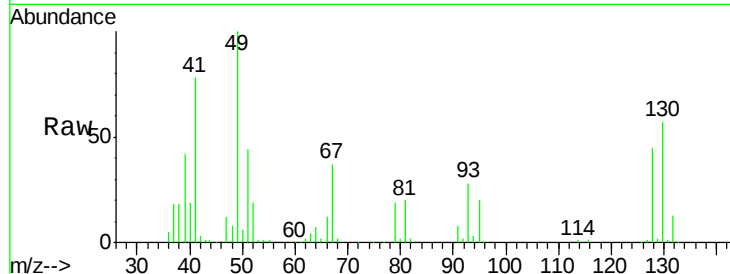




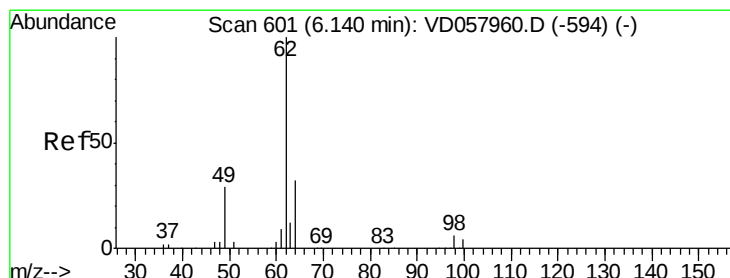
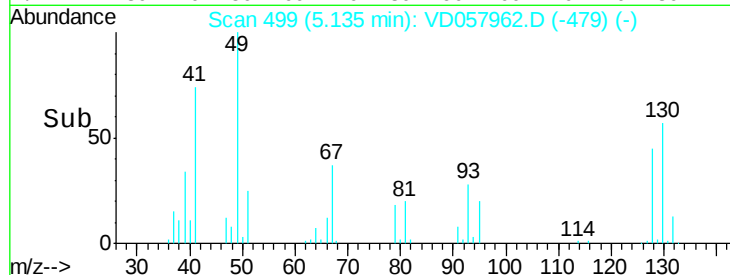
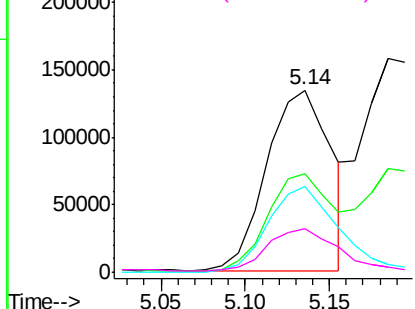
#41
Methacrylonitrile
Concen: 104.83 ug/l
RT: 5.14 min Scan# 499
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 41 Resp: 354865
Ion Ratio Lower Upper
41 100
39 53.8 40.7 61.1
67 47.2 38.8 58.2
52 24.0 17.3 25.9

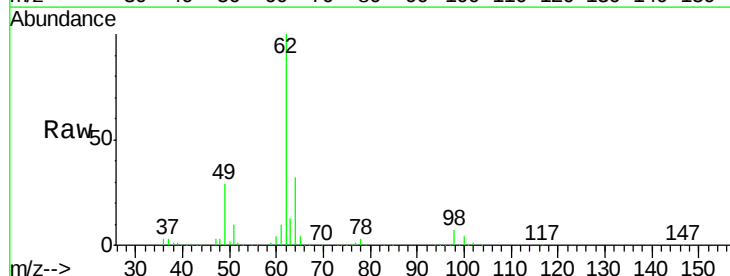


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

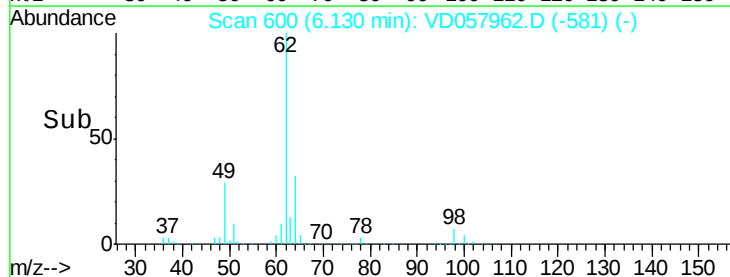
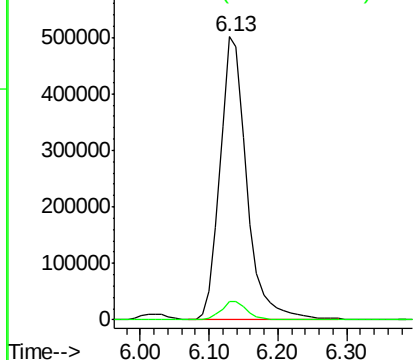


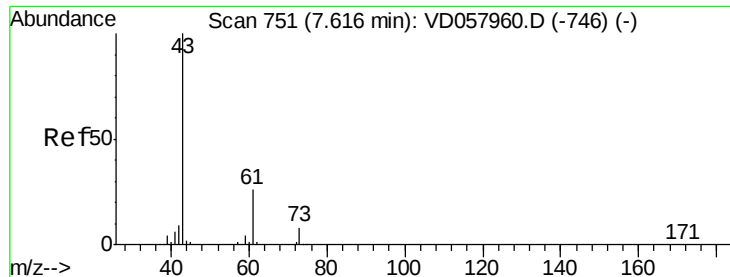
#42
1,2-Dichloroethane
Concen: 104.35 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.01 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 62 Resp: 1337276
Ion Ratio Lower Upper
62 100
98 6.6 0.0 12.8



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





#43

Isopropyl Acetate

Concen: 108.28 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

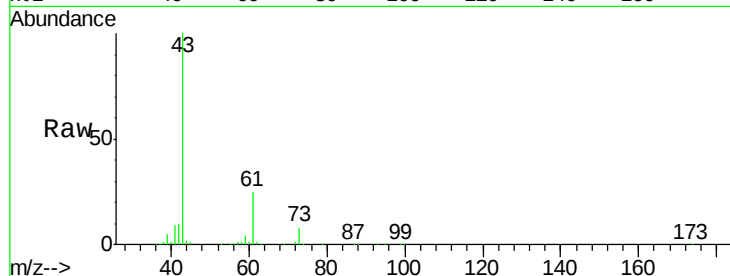
Tgt Ion: 43 Resp: 1050074

Ion Ratio Lower Upper

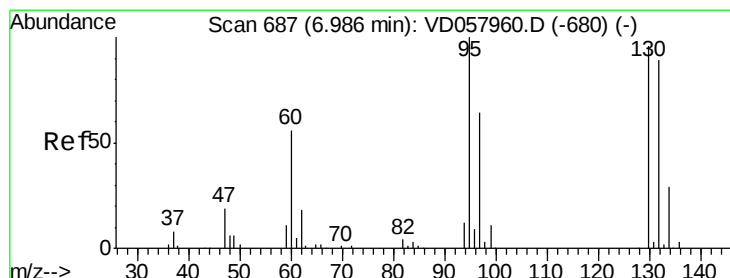
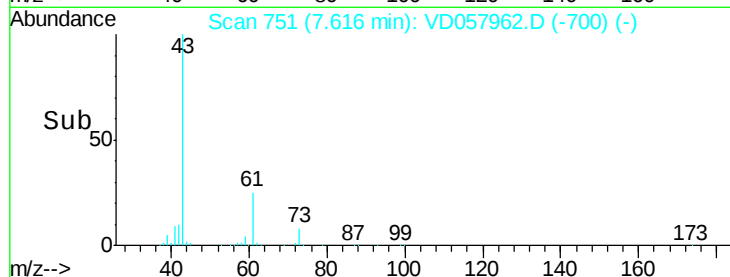
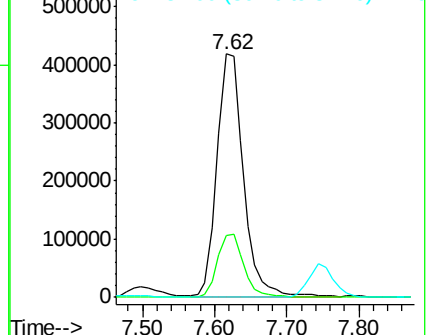
43 100

61 25.5 20.6 30.8

87 0.3 0.2 0.4



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



#44

Trichloroethene

Concen: 98.25 ug/l

RT: 6.99 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD057962.D

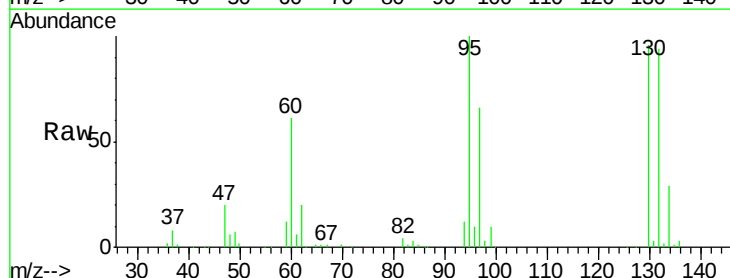
Acq: 6 Jun 2018 20:14

Tgt Ion:130 Resp: 909642

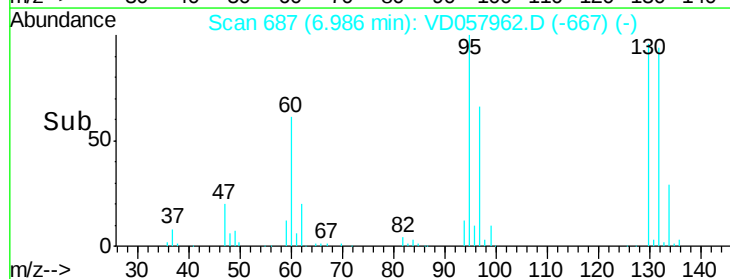
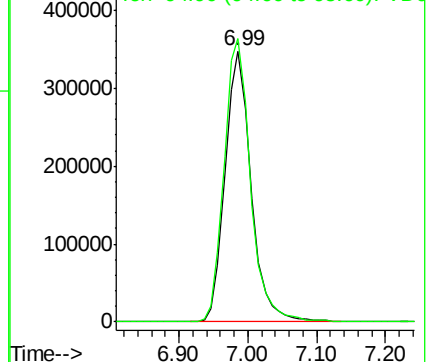
Ion Ratio Lower Upper

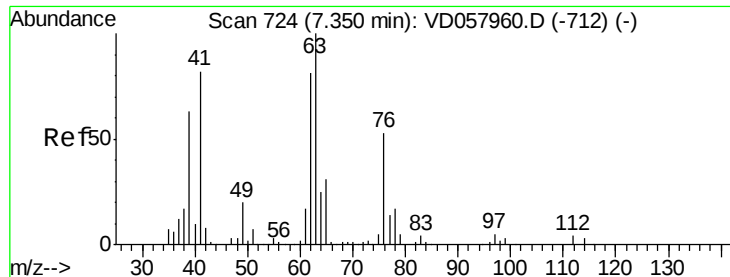
130 100

95 104.4 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 97.82 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

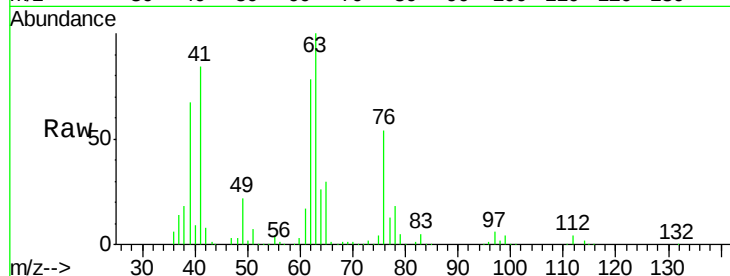
VSTDIC100

Tgt Ion: 63 Resp: 861714

Ion Ratio Lower Upper

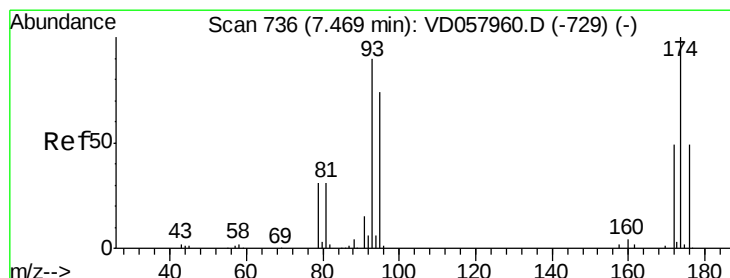
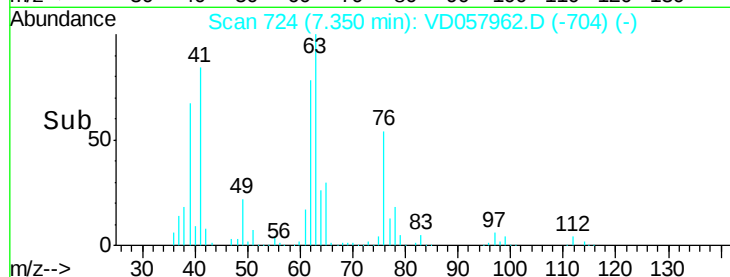
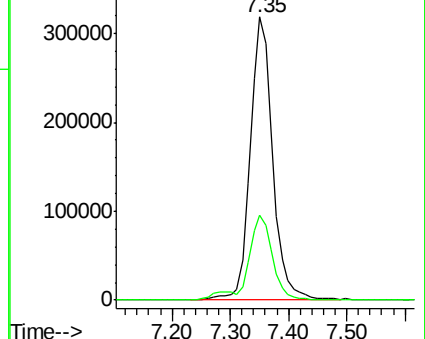
63 100

65 30.1 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 104.44 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

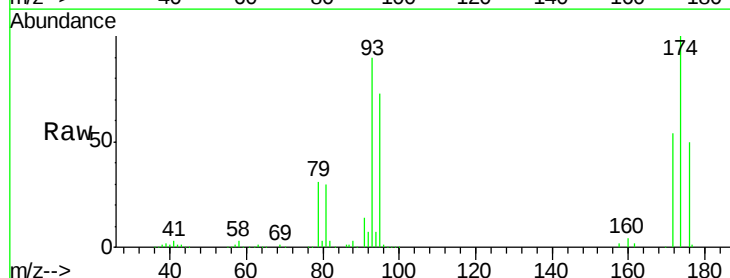
Tgt Ion: 93 Resp: 591050

Ion Ratio Lower Upper

93 100

95 80.4 65.7 98.5

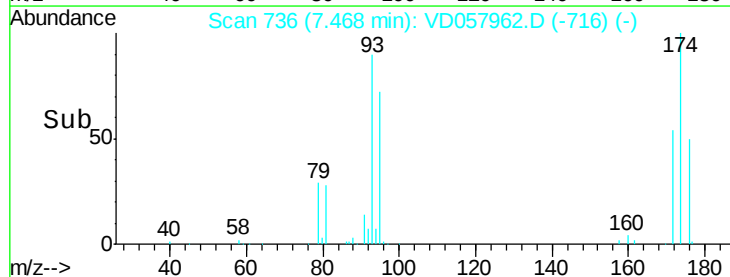
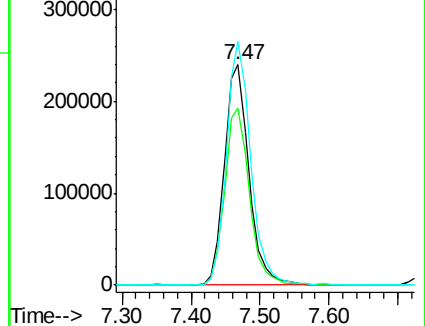
174 110.6 89.0 133.4

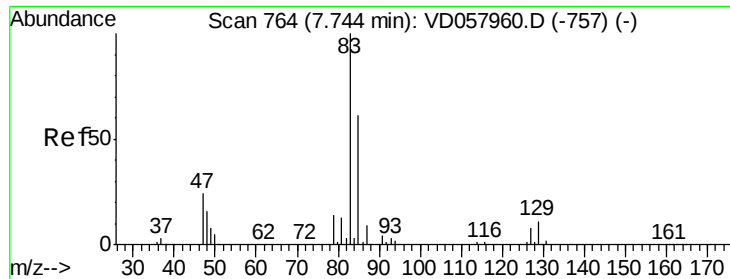


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 105.14 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

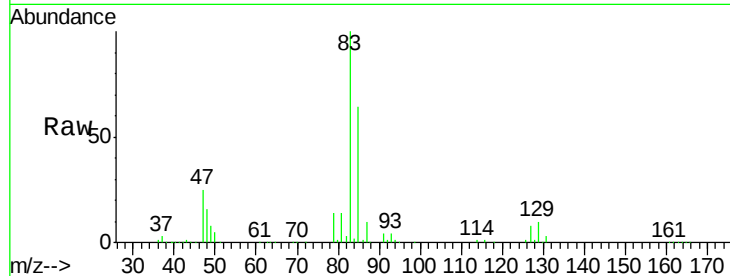
Tgt Ion: 83 Resp: 1393200

Ion Ratio Lower Upper

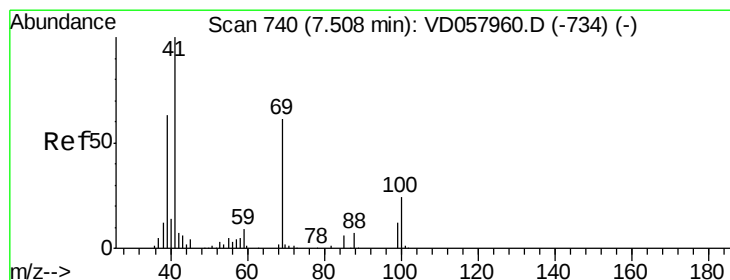
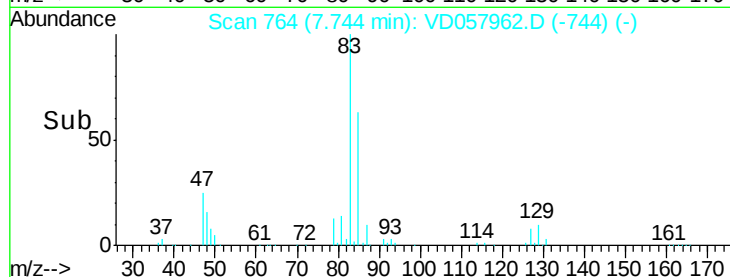
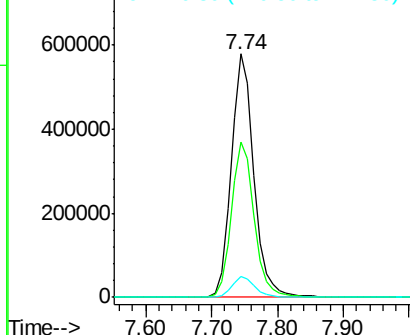
83 100

85 63.6 49.1 73.7

127 8.4 6.2 9.2



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



#48

Methyl methacrylate

Concen: 107.57 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

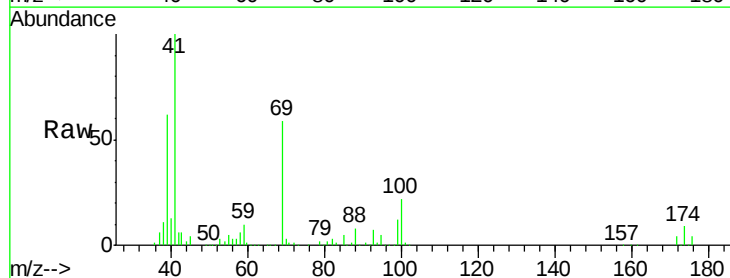
Tgt Ion: 41 Resp: 642048

Ion Ratio Lower Upper

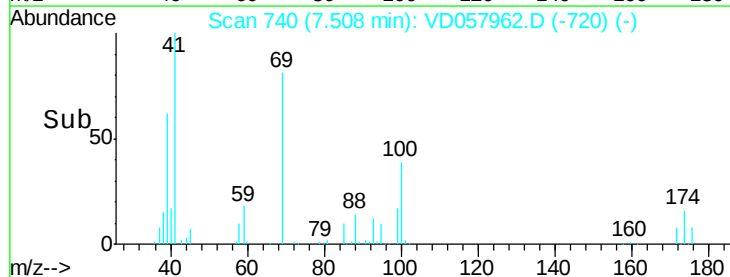
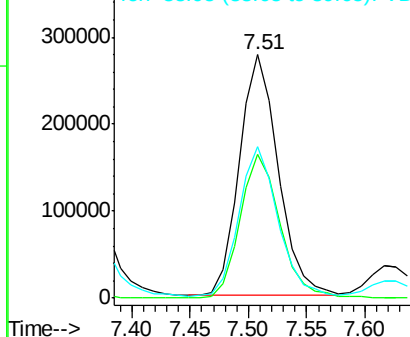
41 100

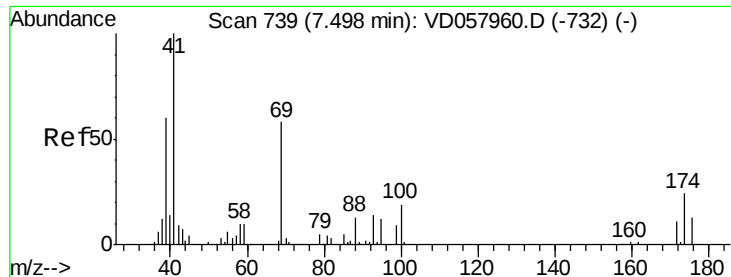
69 58.8 48.0 72.0

39 62.4 50.7 76.1



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





#49

1,4-Dioxane

Concen: 2150.89 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

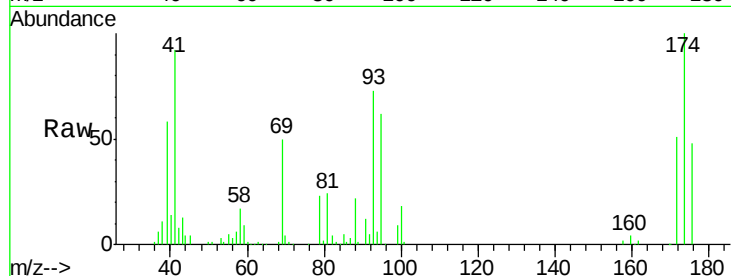
Tgt Ion: 88 Resp: 106354

Ion Ratio Lower Upper

88 100

43 59.9 46.6 69.8

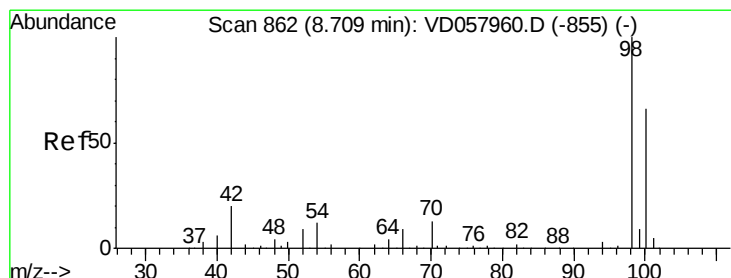
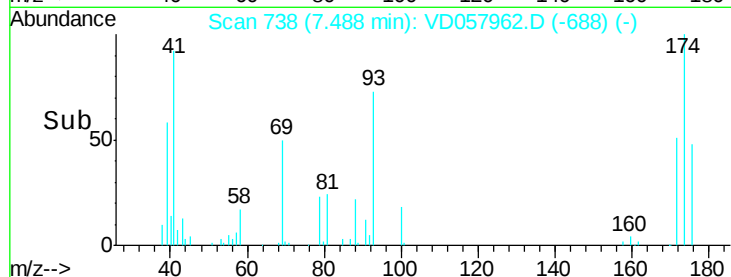
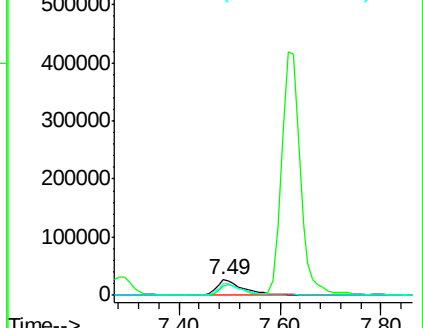
58 75.2 63.6 95.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 2150.89 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD057962.D

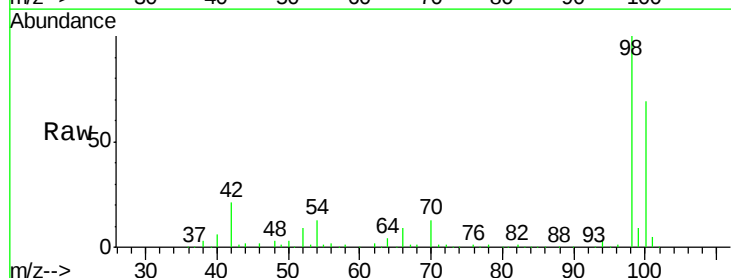
Acq: 6 Jun 2018 20:14

Tgt Ion: 98 Resp: 2099316

Ion Ratio Lower Upper

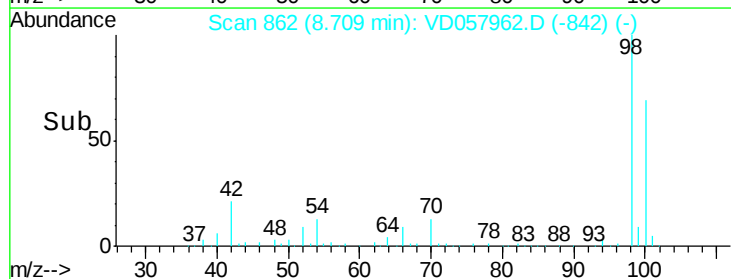
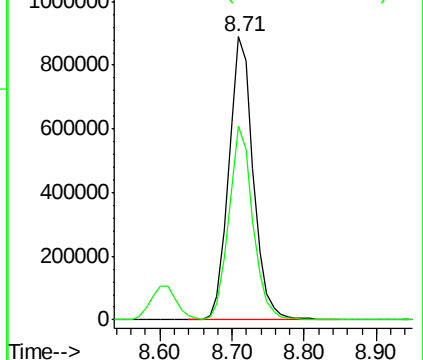
98 100

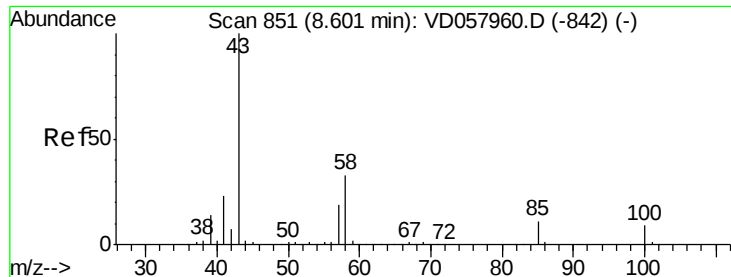
100 68.7 53.4 80.0



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: 485.81 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

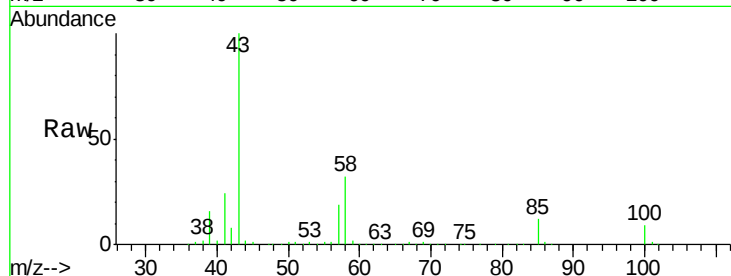
VSTDIC100

Tgt Ion: 43 Resp: 3021791

Ion Ratio Lower Upper

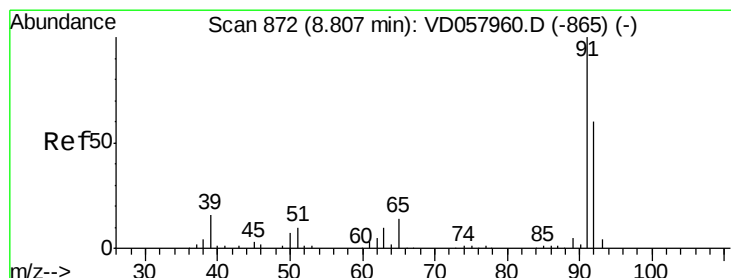
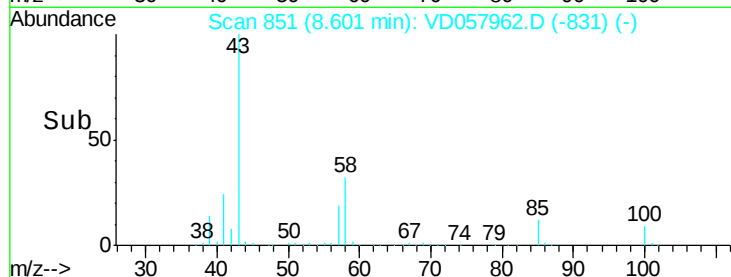
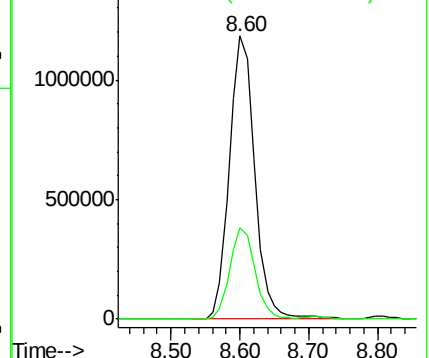
43 100

58 32.2 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 90.13 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD057962.D

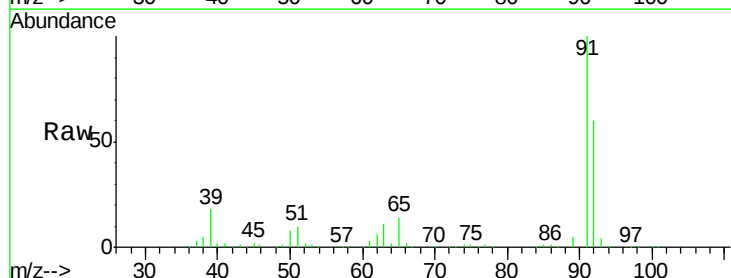
Acq: 6 Jun 2018 20:14

Tgt Ion: 92 Resp: 1639518

Ion Ratio Lower Upper

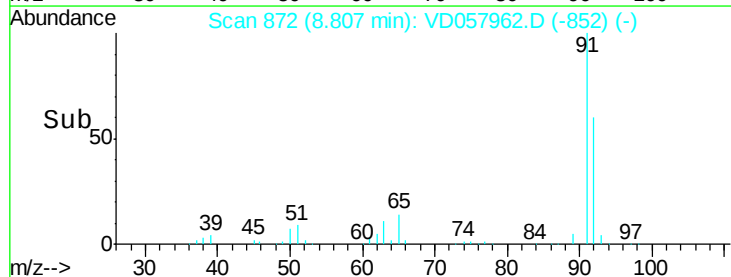
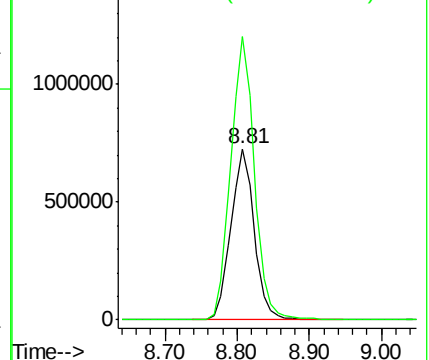
92 100

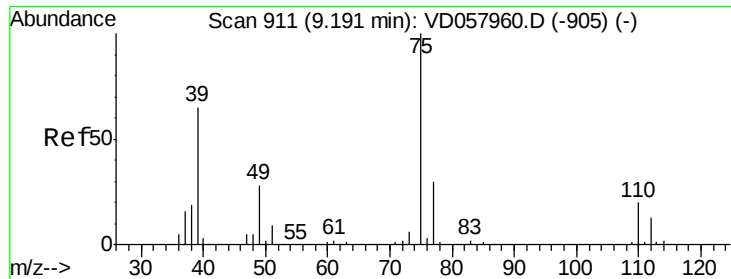
91 165.4 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

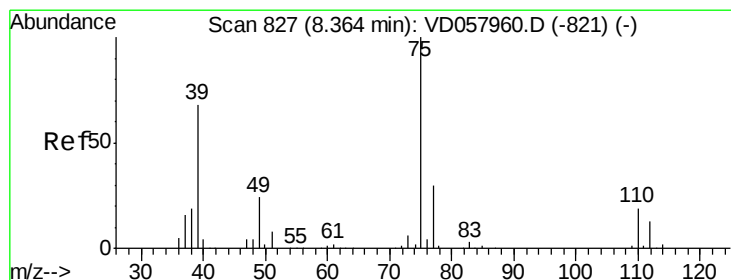
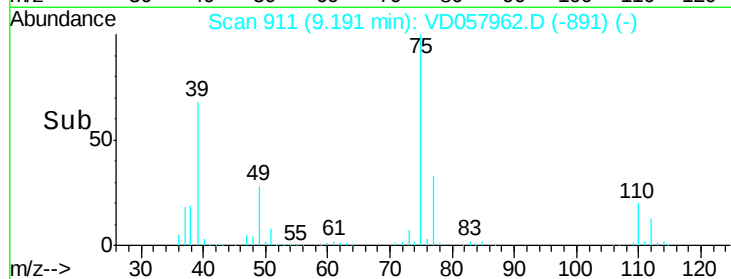
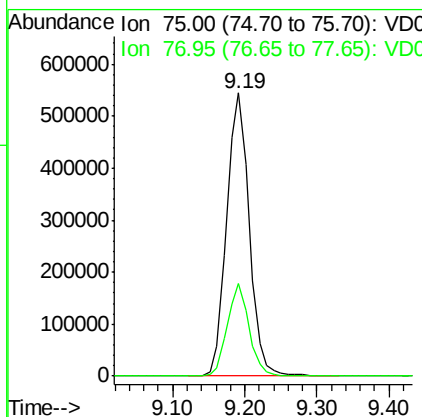
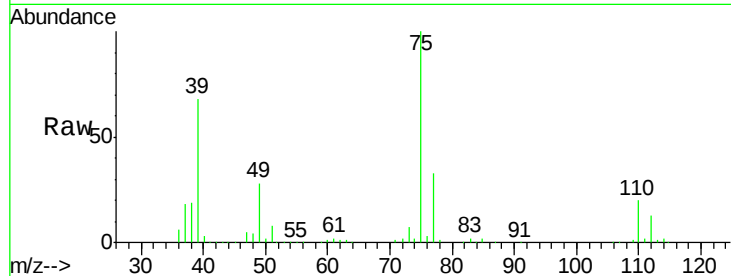




#53
 t-1,3-Dichloropropene
 Concen: 103.60 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

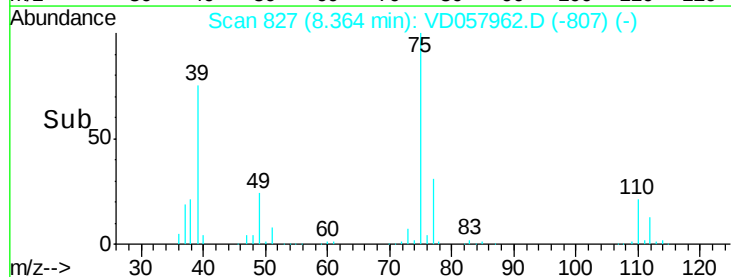
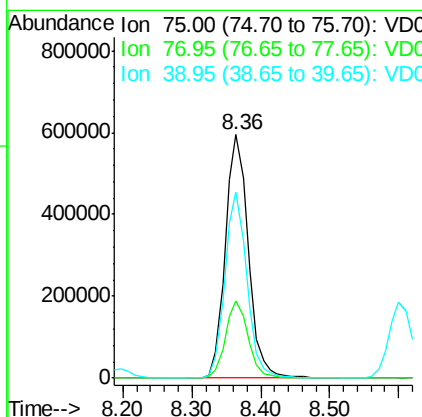
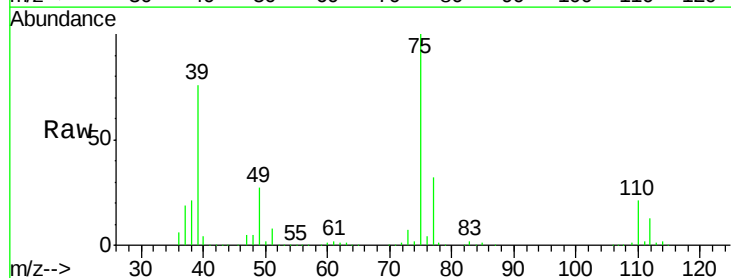
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

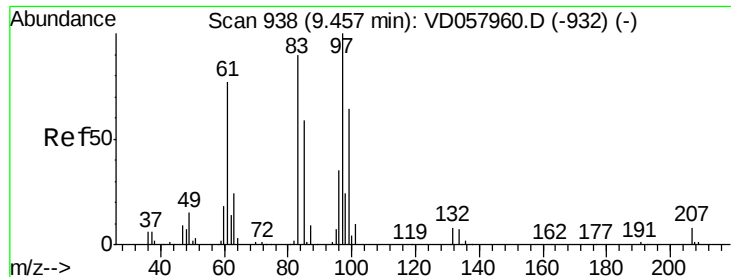
Tgt Ion: 75 Resp: 1182709
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 102.14 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 75 Resp: 1373795
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.1 36.1
 39 76.2 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 98.99 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 582800

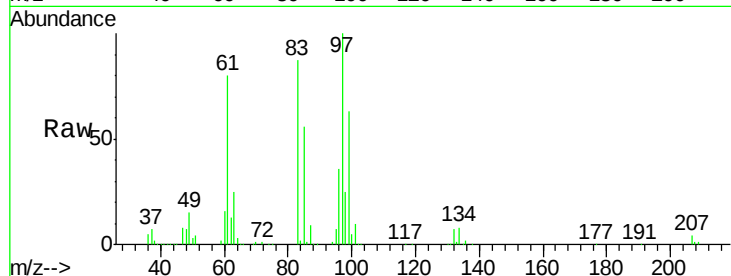
Ion Ratio Lower Upper

97 100

83 86.7 71.8 107.8

85 56.2 47.2 70.8

99 63.0 51.4 77.0

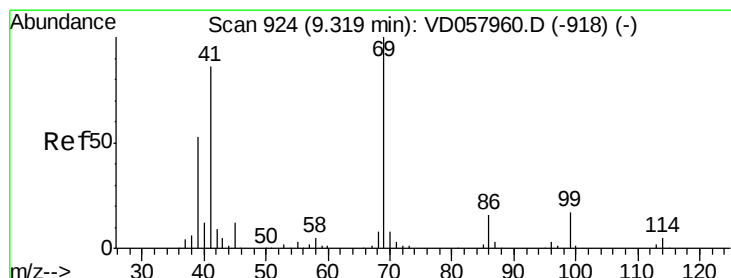
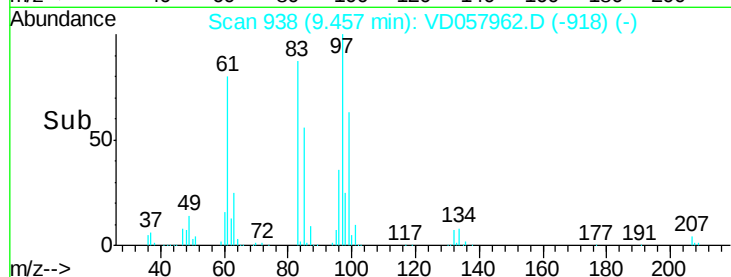
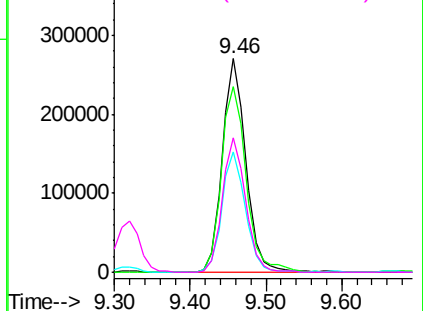


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 102.90 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

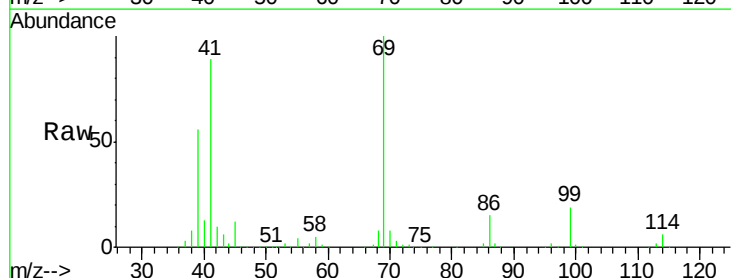
Tgt Ion: 69 Resp: 743095

Ion Ratio Lower Upper

69 100

41 89.4 68.4 102.6

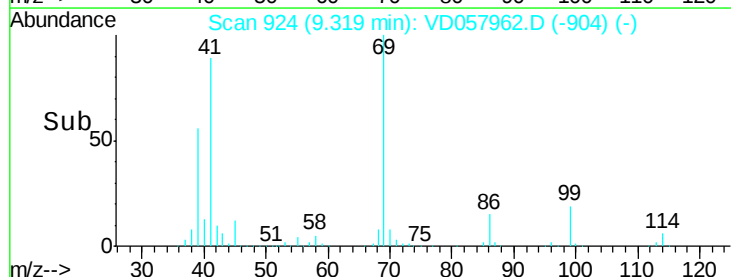
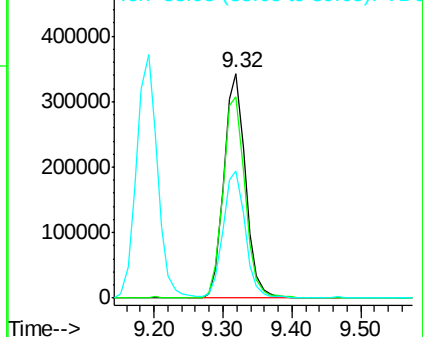
39 56.4 43.0 64.4

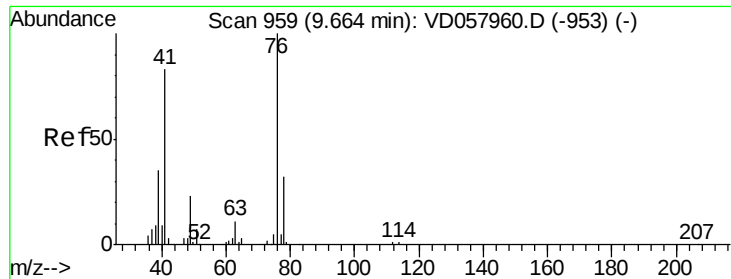


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

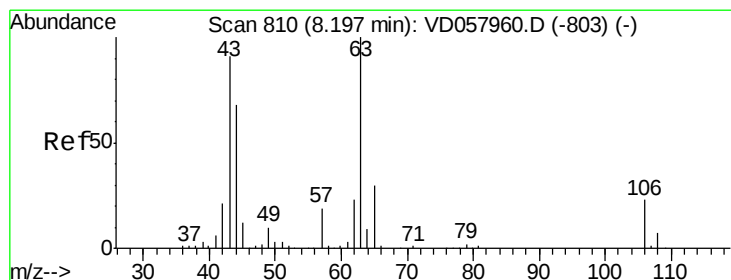
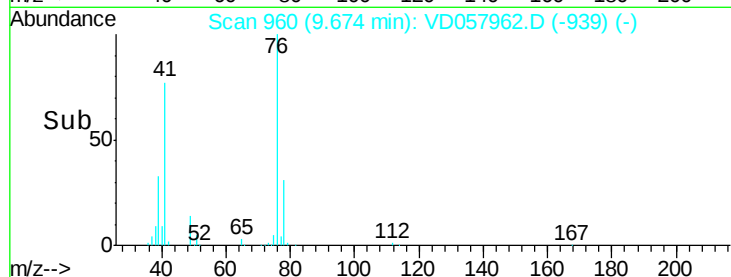
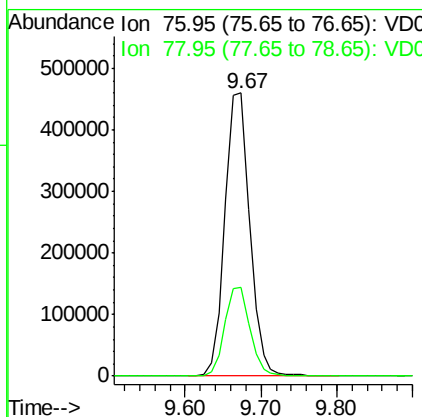
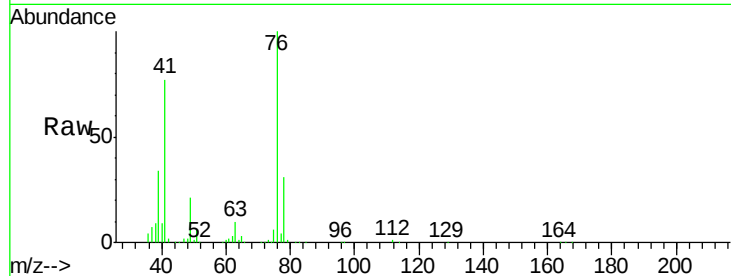




#57
 1,3-Dichloropropane
 Concen: 101.58 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

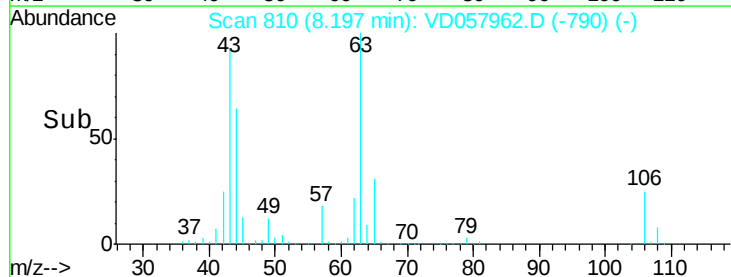
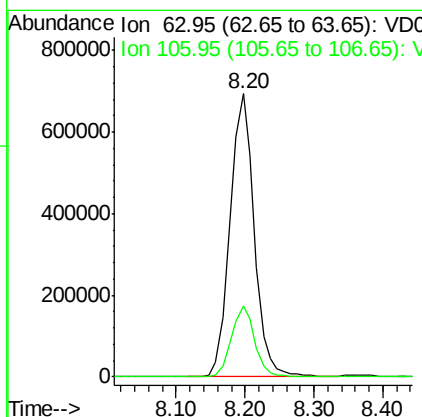
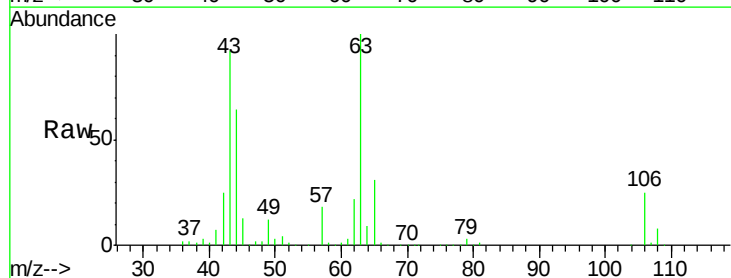
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

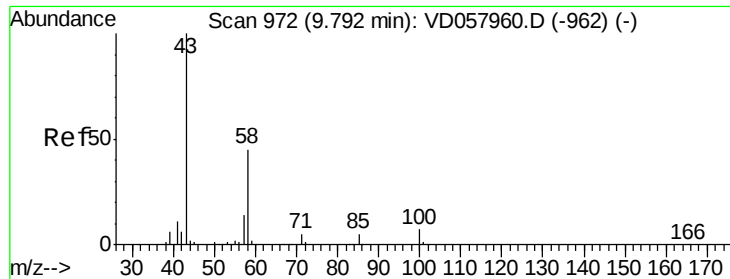
Tgt Ion: 76 Resp: 1048887
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 462.46 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 63 Resp: 1687371
 Ion Ratio Lower Upper
 63 100
 106 25.0 18.7 28.1

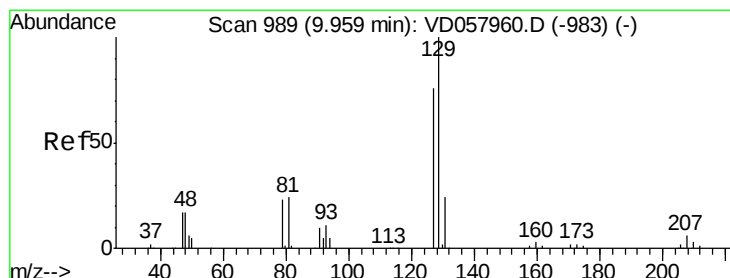
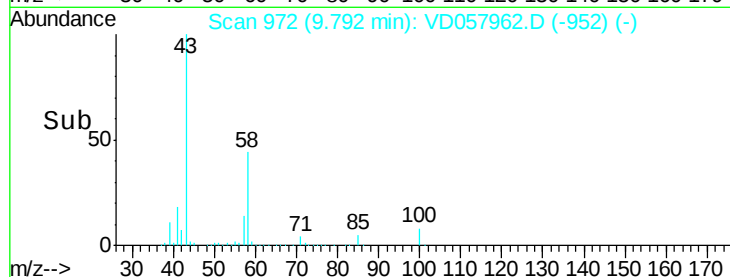
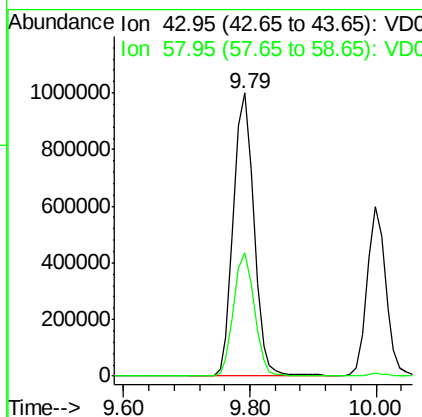
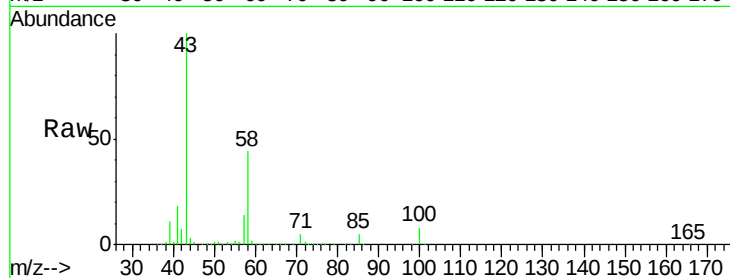




#59
2-Hexanone
Concen: 495.23 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

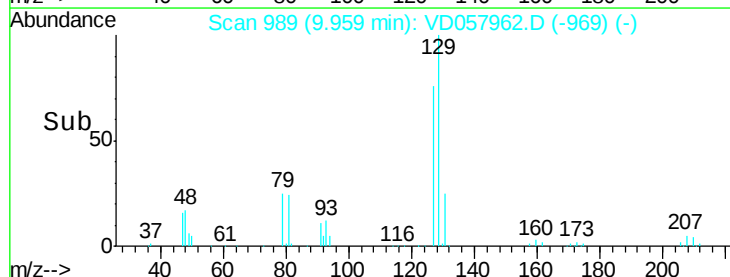
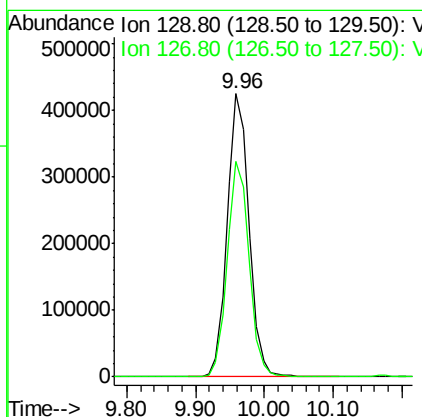
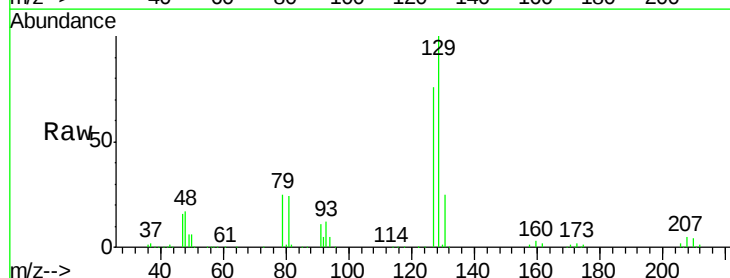
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

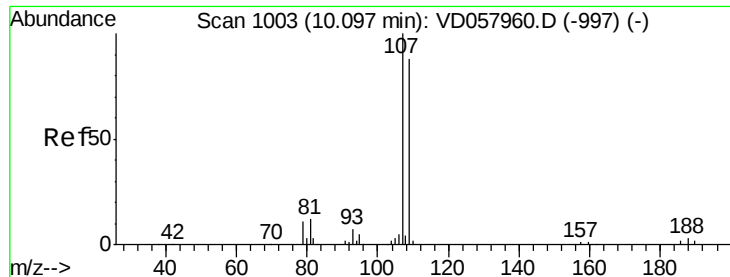
Tgt Ion: 43 Resp: 2257403
Ion Ratio Lower Upper
43 100
58 43.7 22.5 67.5



#60
Dibromochloromethane
Concen: 111.98 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 129 Resp: 929662
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 104.87 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

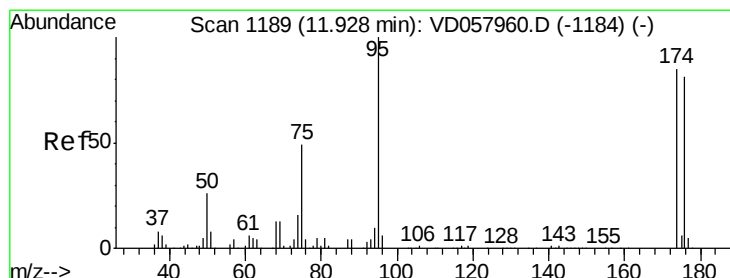
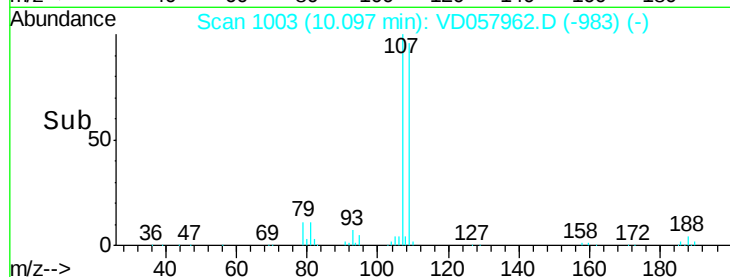
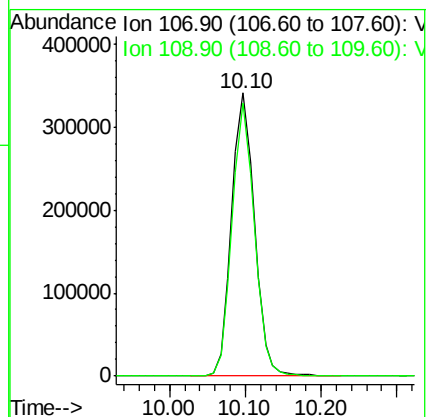
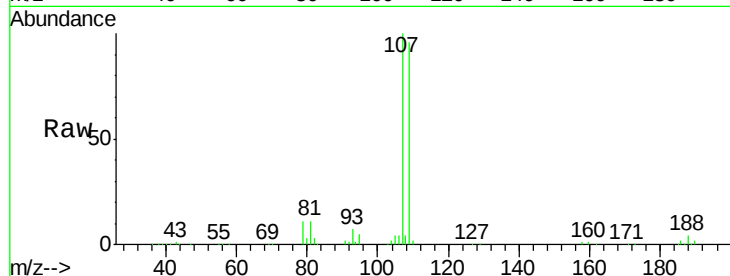
VSTDIC100

Tgt Ion: 107 Resp: 710043

Ion Ratio Lower Upper

107 100

109 96.3 70.6 106.0



#62

4-Bromofluorobenzene

Concen: 104.87 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

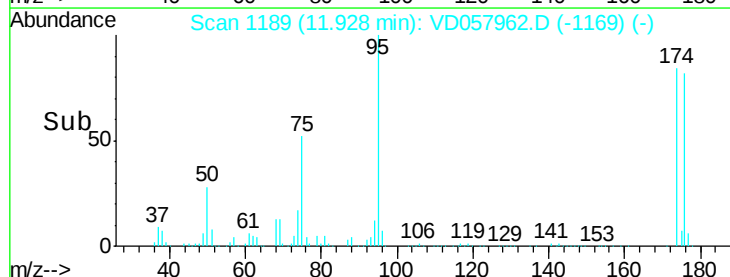
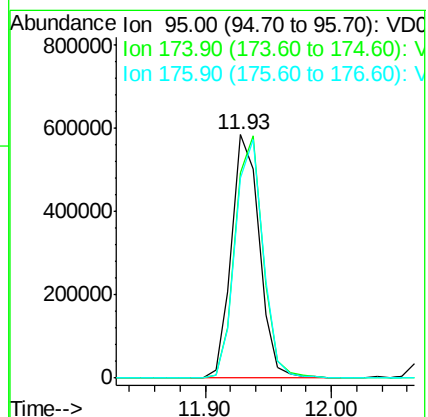
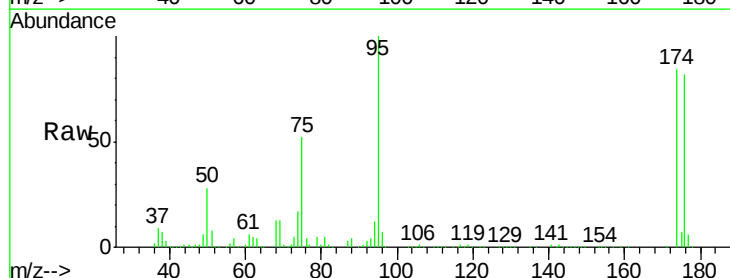
Tgt Ion: 95 Resp: 892874

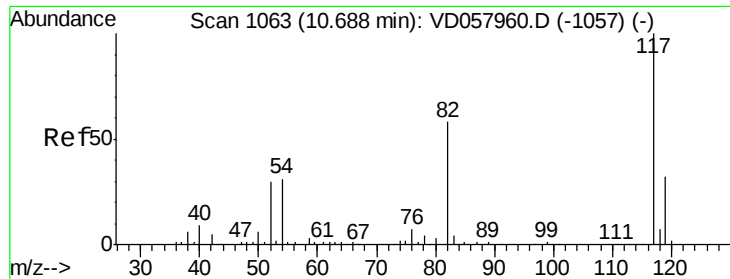
Ion Ratio Lower Upper

95 100

174 84.2 0.0 169.4

176 82.2 0.0 162.6

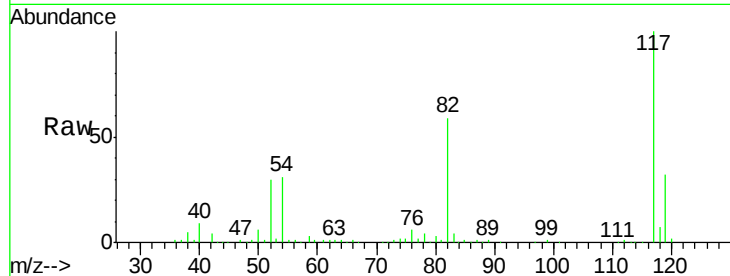




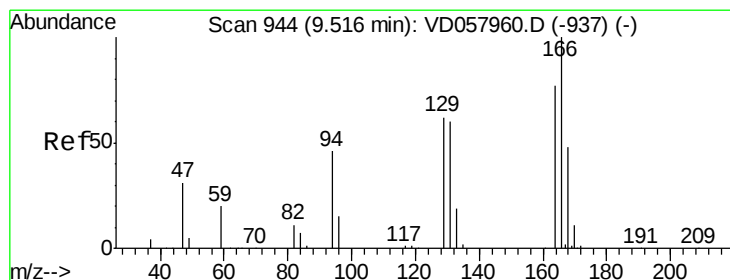
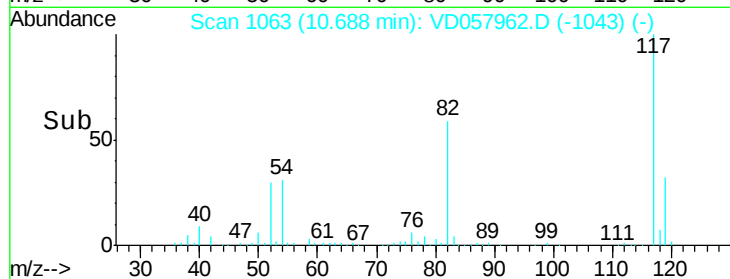
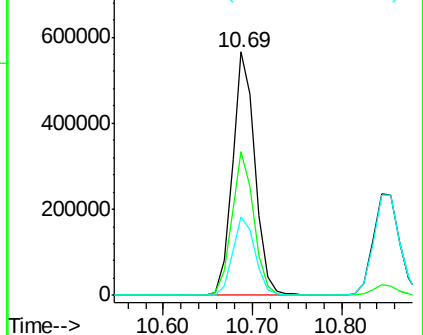
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 999315
Ion Ratio Lower Upper
117 100
82 59.0 46.8 70.2
119 32.2 25.8 38.6

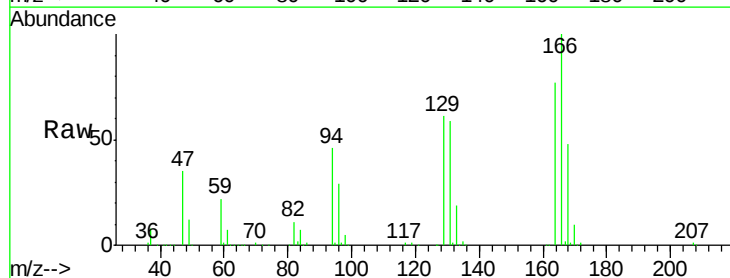


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

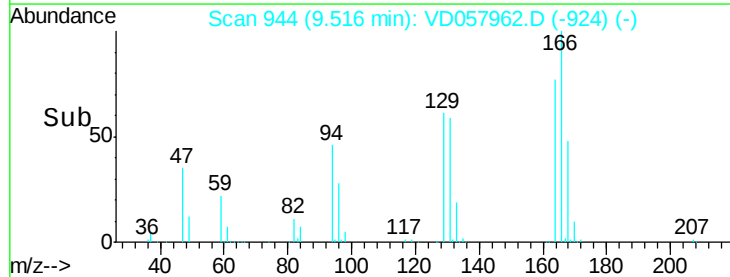
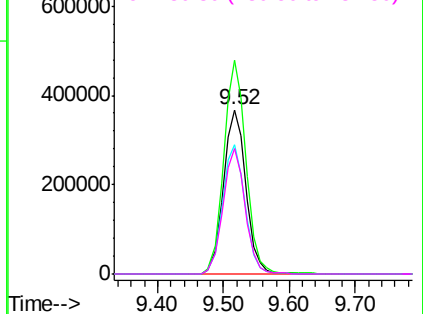


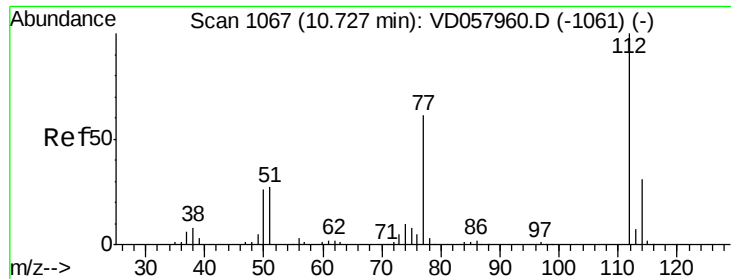
#64
Tetrachloroethene
Concen: 98.11 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion:164 Resp: 876459
Ion Ratio Lower Upper
164 100
166 130.2 104.4 156.6
129 78.8 65.0 97.6
131 76.3 62.9 94.3



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

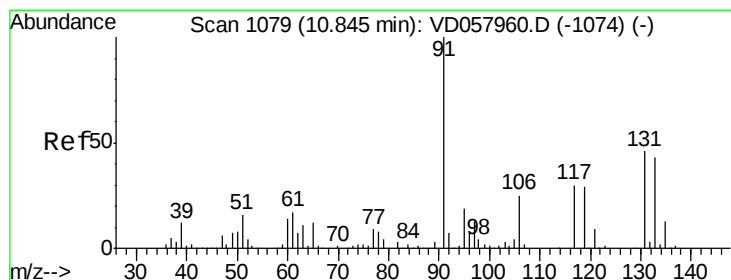
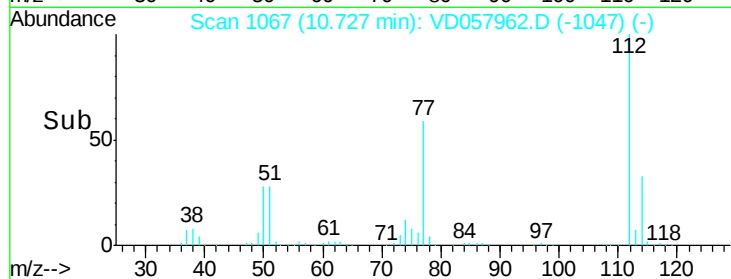
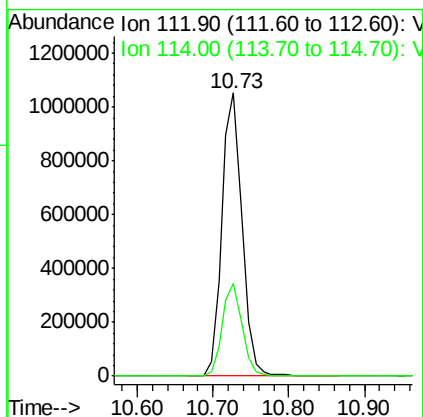
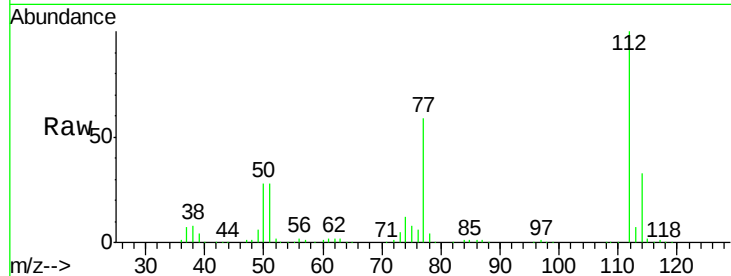




#65
Chlorobenzene
Concen: 96.44 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

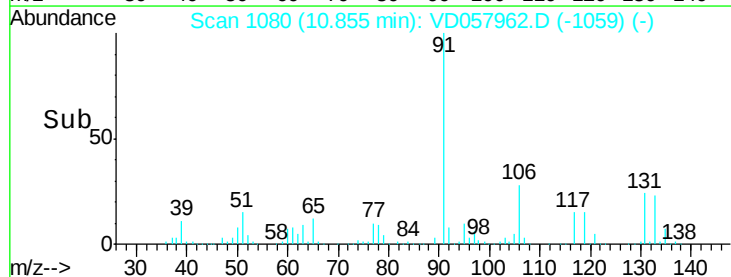
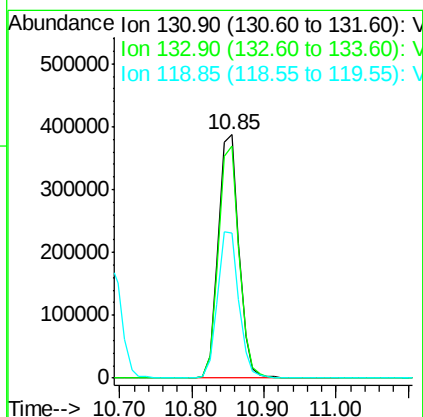
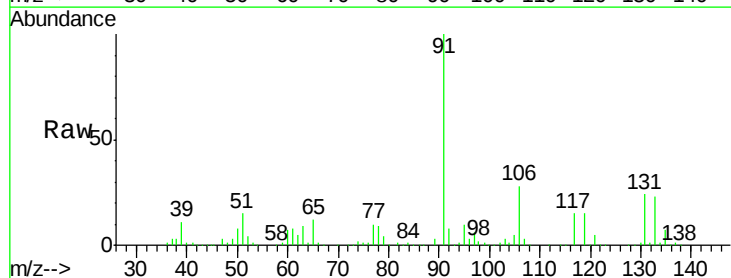
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

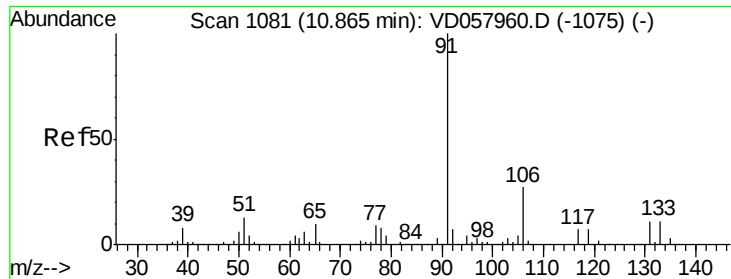
Tgt Ion:112 Resp: 1950997
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 98.12 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion:131 Resp: 762627
Ion Ratio Lower Upper
131 100
133 95.4 46.9 140.6
119 59.8 31.8 95.3

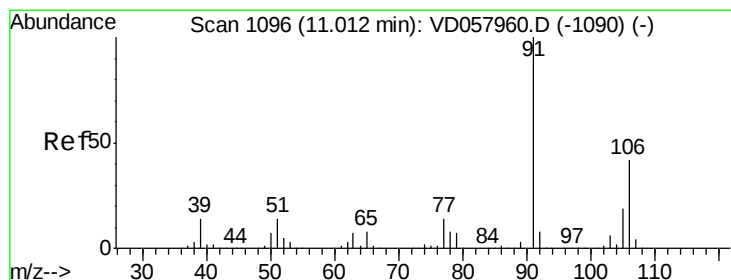
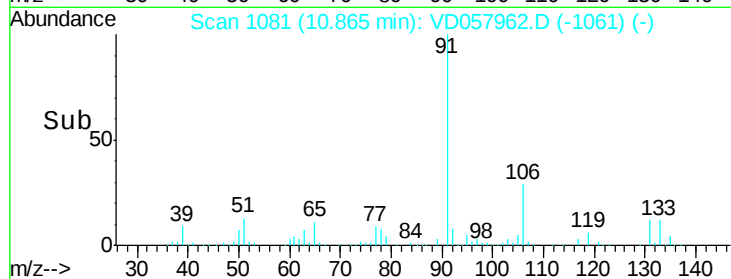
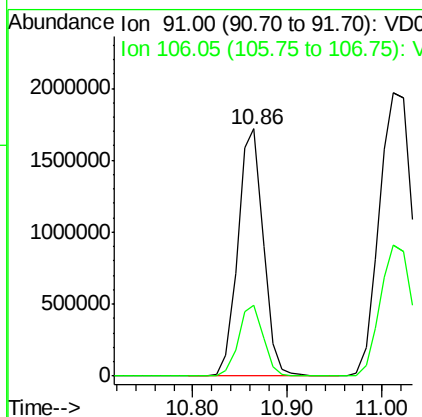
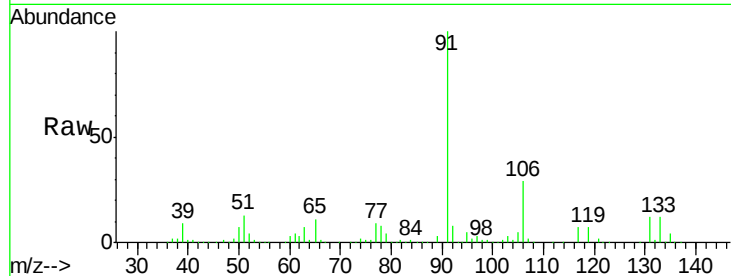




#67
Ethyl Benzene
Concen: 87.45 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

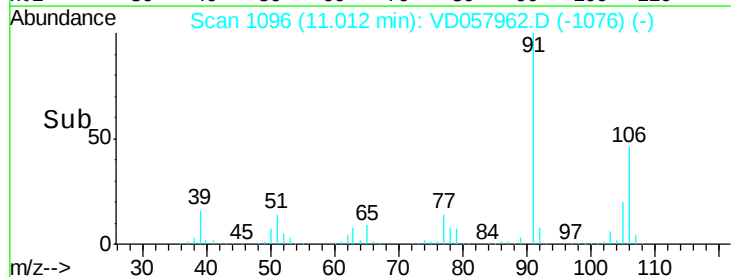
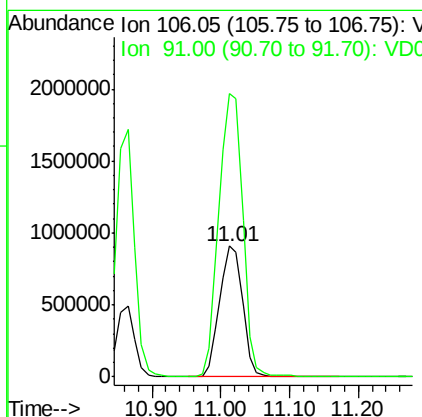
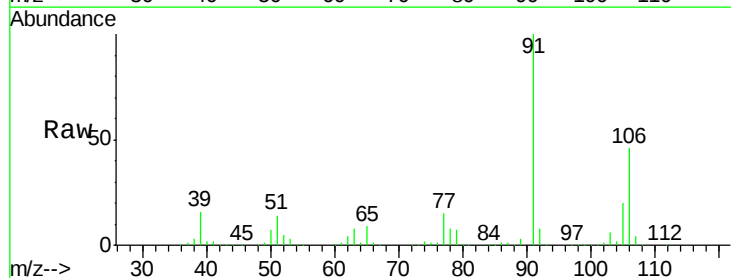
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

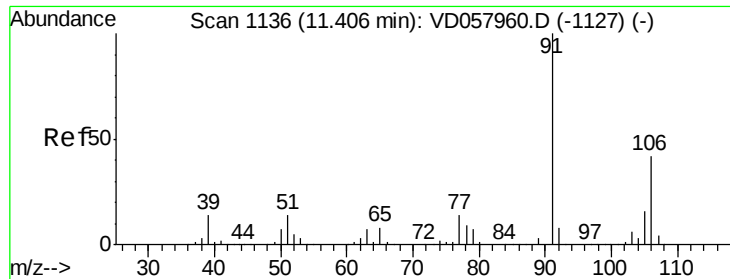
Tgt Ion: 91 Resp: 3196274
Ion Ratio Lower Upper
91 100
106 28.9 21.5 32.3



#68
m/p-Xylenes
Concen: 177.03 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 106 Resp: 2109339
Ion Ratio Lower Upper
106 100
91 216.3 190.4 285.6

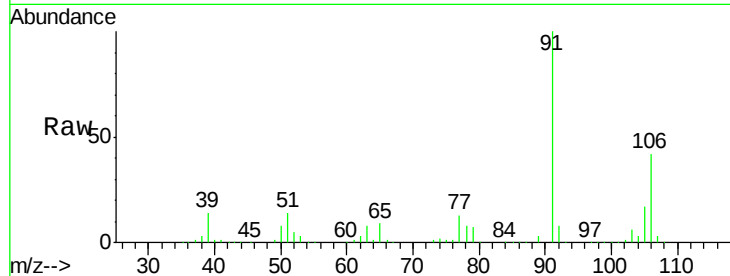




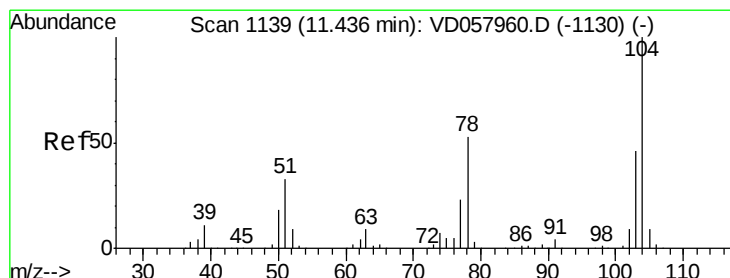
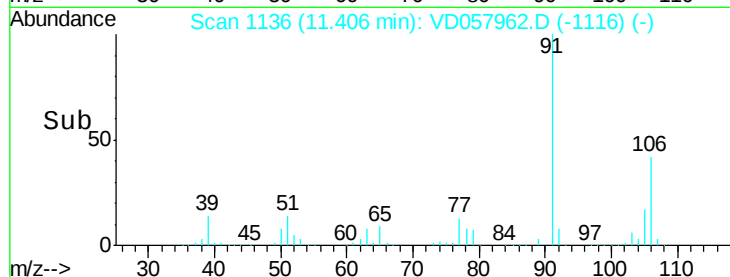
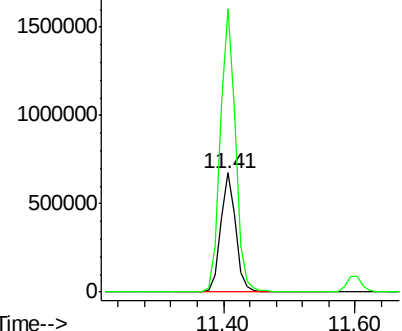
#69
o-Xylene
Concen: 90.59 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1071370
Ion Ratio Lower Upper
106 100
91 238.0 120.6 361.7

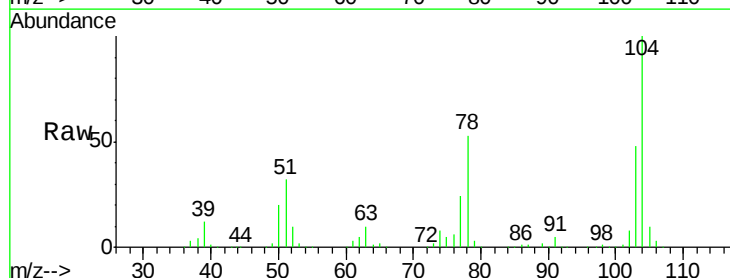


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

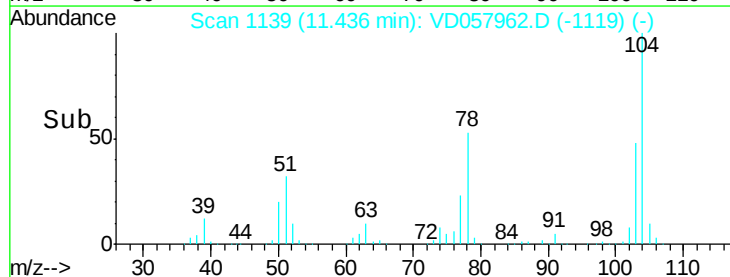
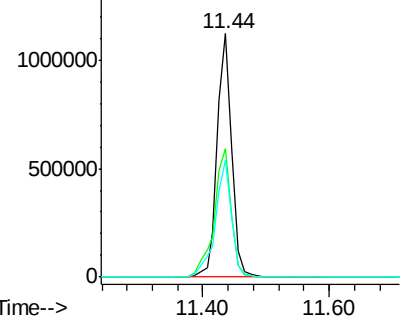


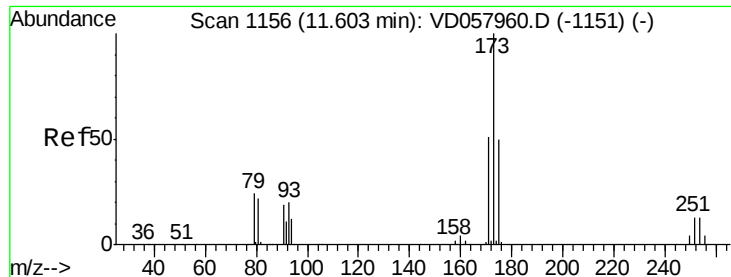
#70
Styrene
Concen: 90.37 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion:104 Resp: 1769258
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 47.9 37.0 55.6



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





#71

Bromoform

Concen: 116.29 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

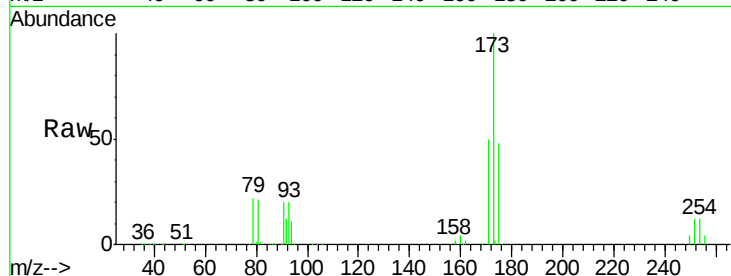
Tgt Ion:173 Resp: 679939

Ion Ratio Lower Upper

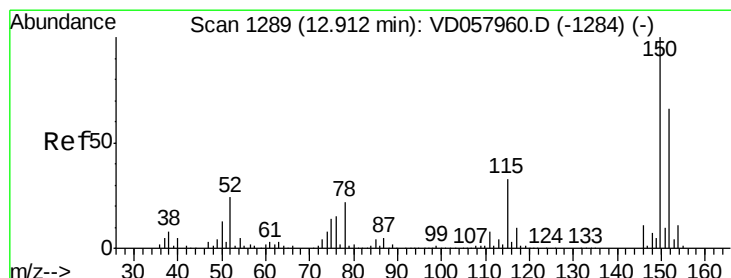
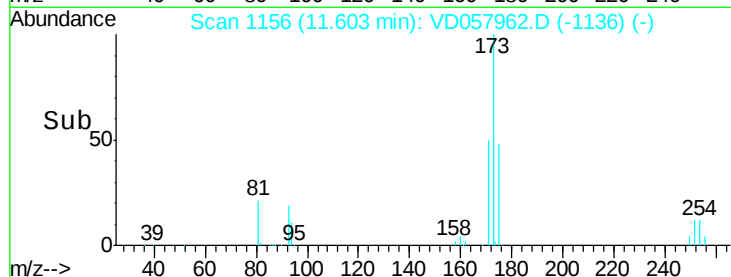
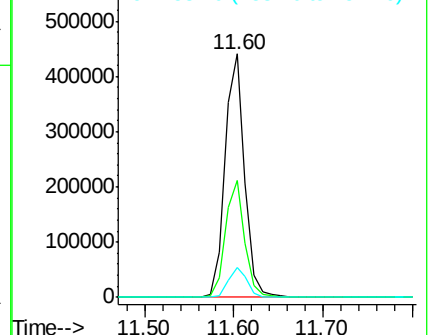
173 100

175 48.1 25.1 75.2

254 12.2 10.7 16.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

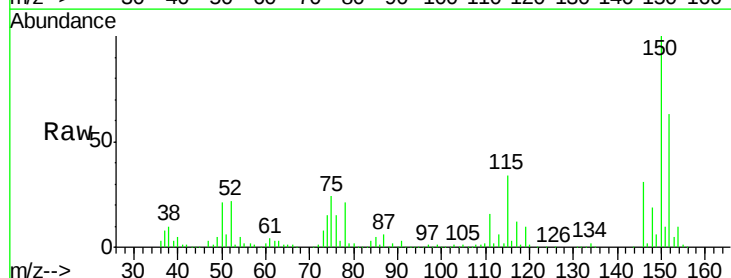
Tgt Ion:152 Resp: 481828

Ion Ratio Lower Upper

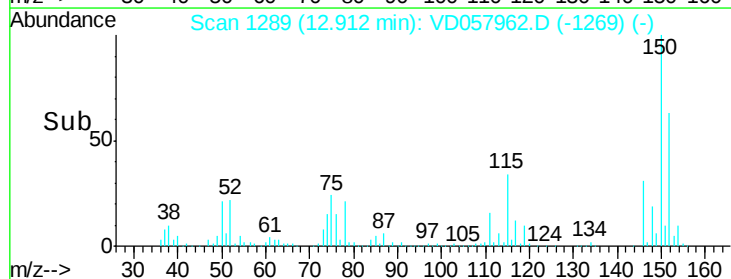
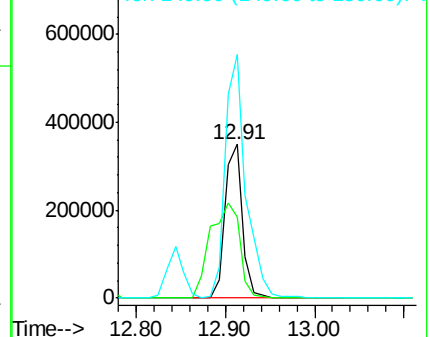
152 100

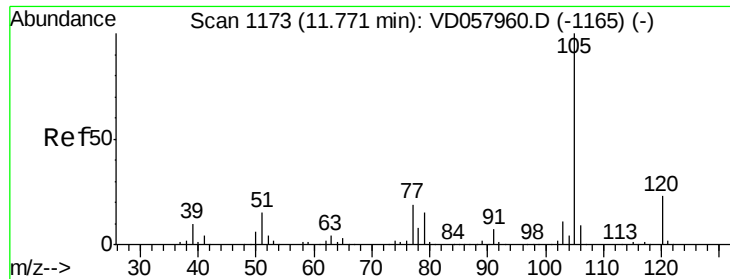
115 53.1 25.6 76.6

150 158.2 0.0 306.8



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





#73

Isopropylbenzene

Concen: 97.35 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

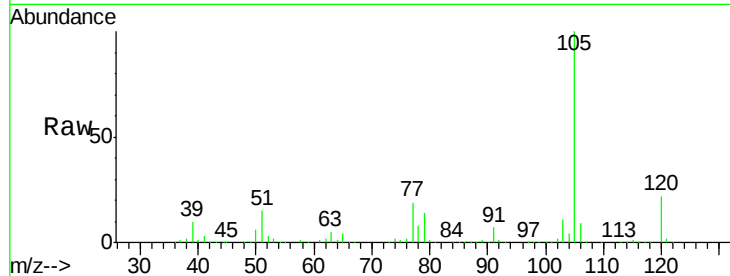
VSTDIC100

Tgt Ion:105 Resp: 3106673

Ion Ratio Lower Upper

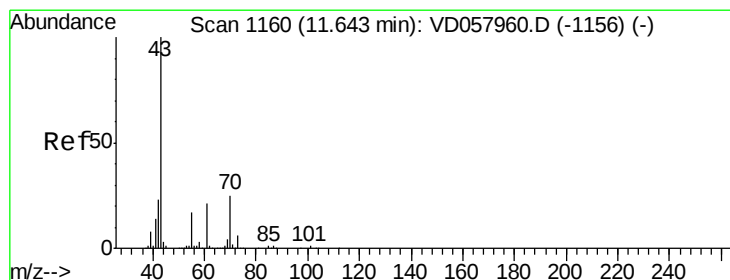
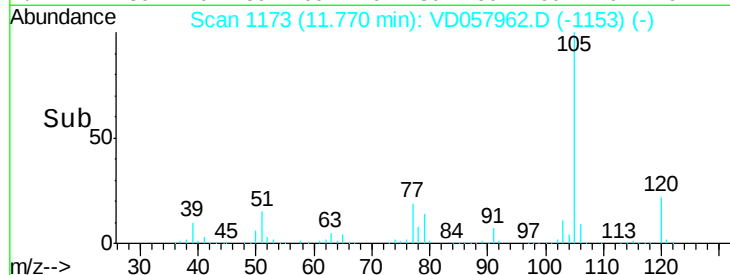
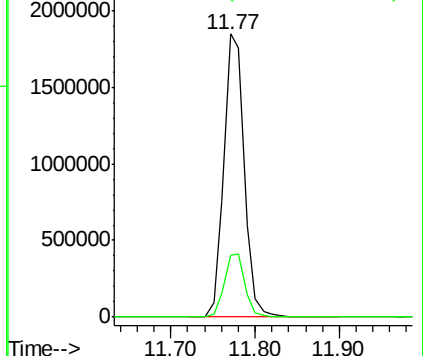
105 100

120 21.7 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 105.22 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Tgt Ion: 43 Resp: 1295817

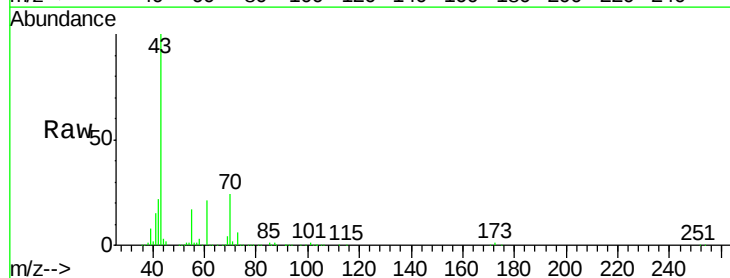
Ion Ratio Lower Upper

43 100

70 24.5 20.3 30.5

55 16.8 13.9 20.9

61 20.8 16.6 24.8

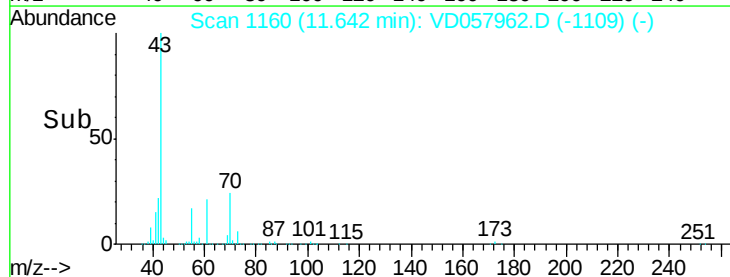
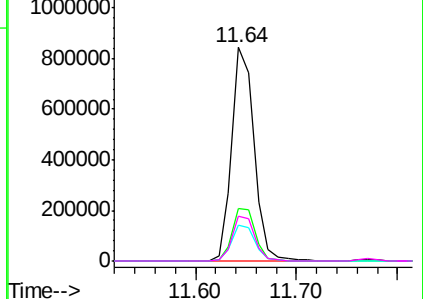


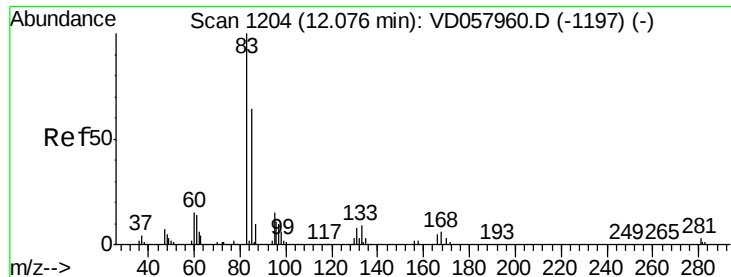
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 102.16 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

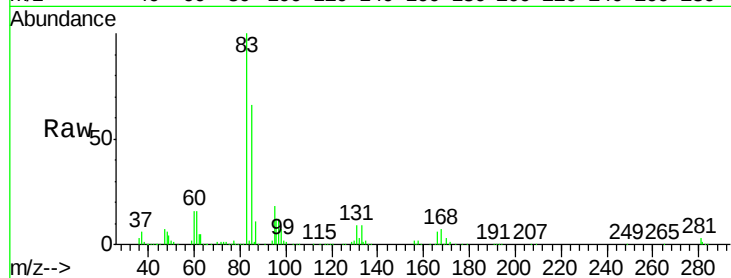
Tgt Ion: 83 Resp: 710846

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.2	12.6
85	66.0	31.9	95.5

83 100

131 9.0 4.2 12.6

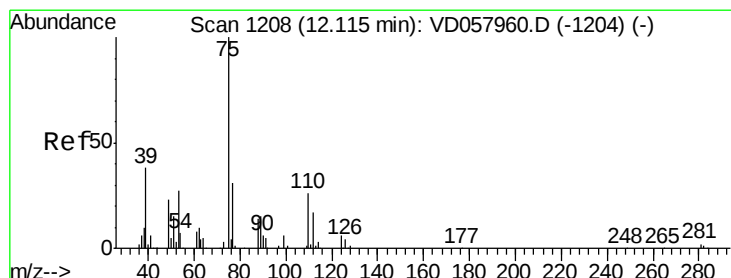
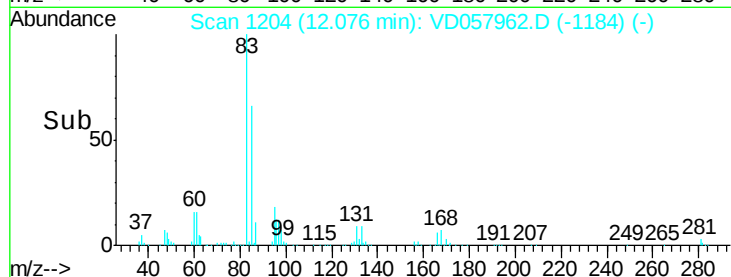
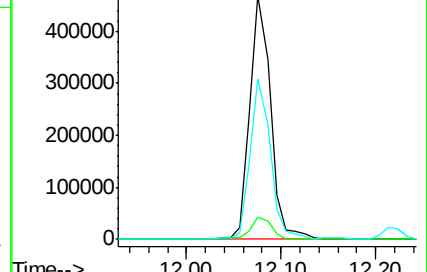
85 66.0 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 100.19 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD057962.D

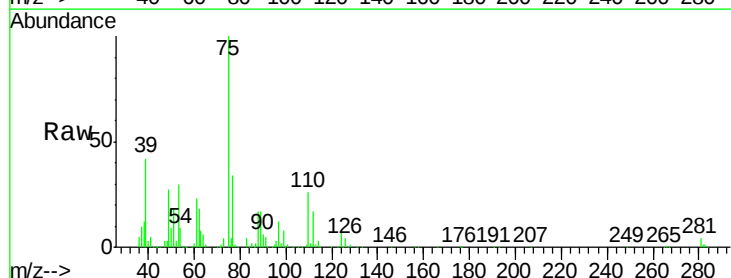
Acq: 6 Jun 2018 20:14

Tgt Ion: 75 Resp: 725160

Ion	Ratio	Lower	Upper
75	100		
77	33.8	16.7	50.1

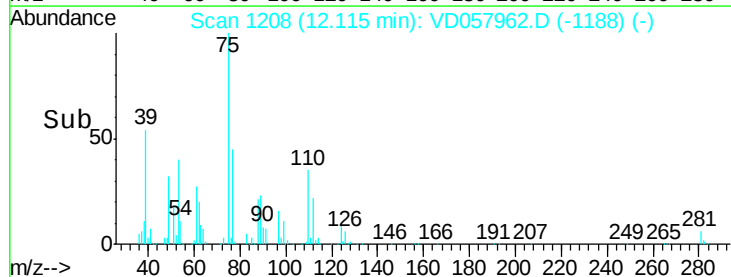
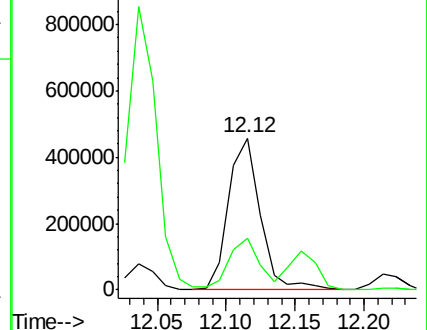
75 100

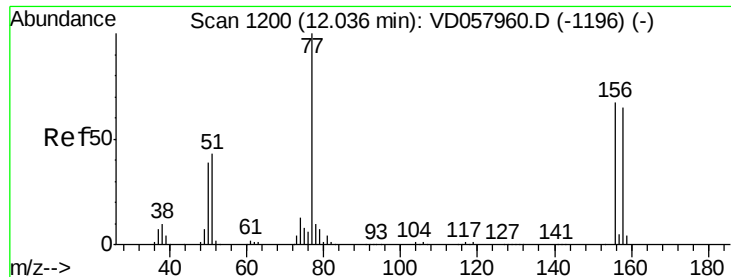
77 33.8 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 102.56 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

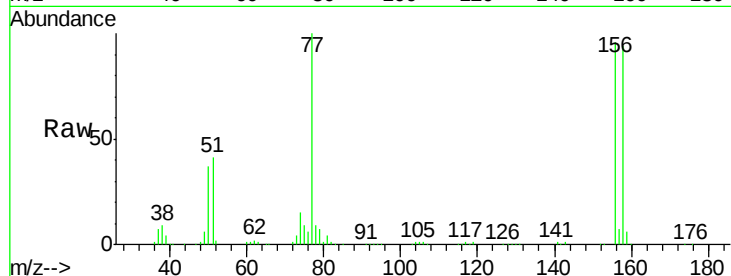
Tgt Ion:156 Resp: 968838

Ion Ratio Lower Upper

156 100

77 103.9 75.0 224.8

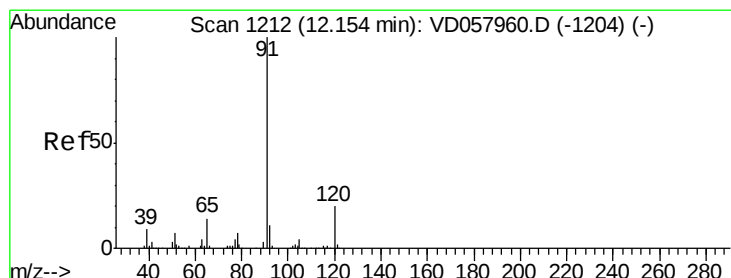
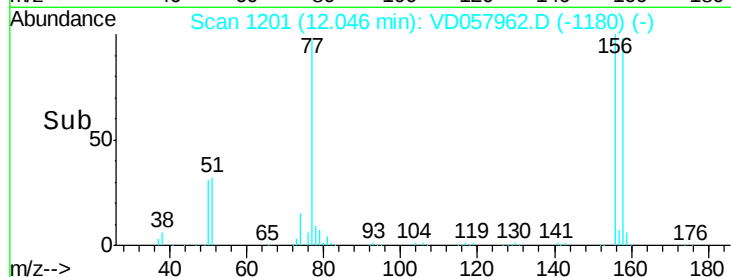
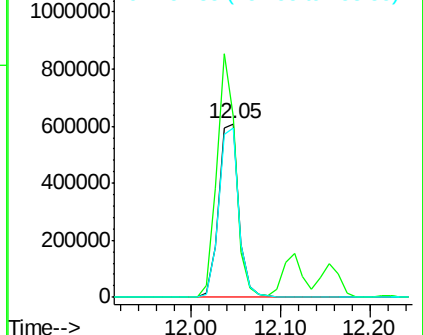
158 97.9 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 90.71 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD057962.D

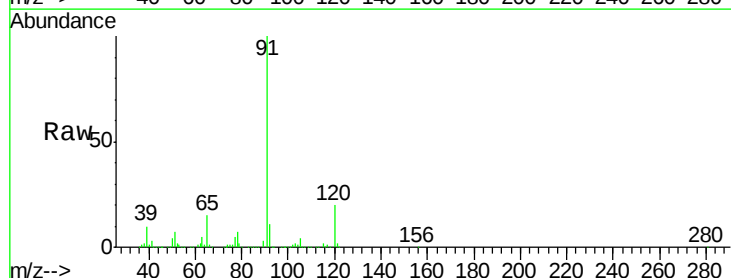
Acq: 6 Jun 2018 20:14

Tgt Ion: 91 Resp: 3766819

Ion Ratio Lower Upper

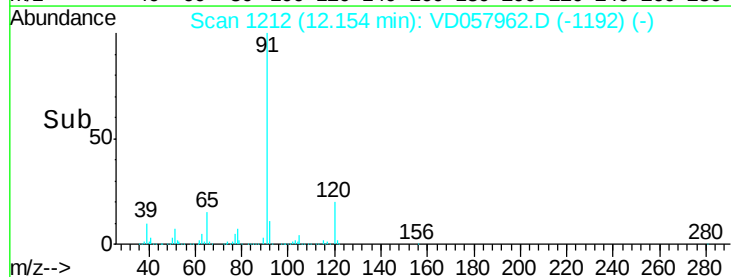
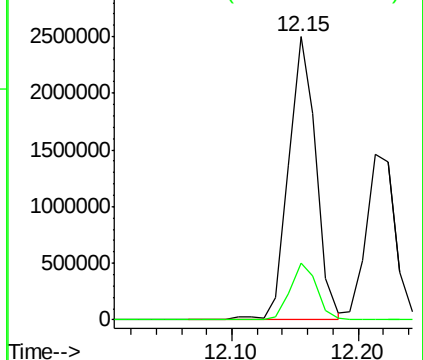
91 100

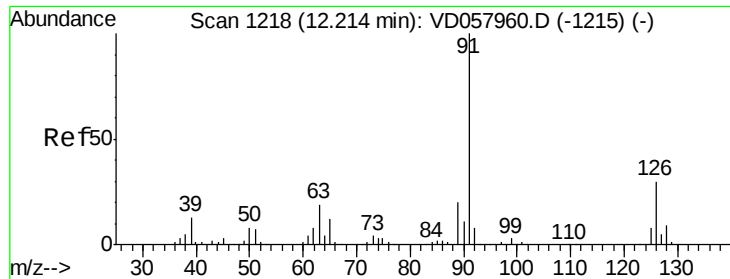
120 20.0 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

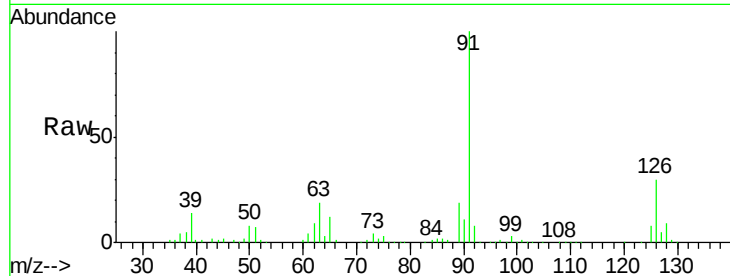




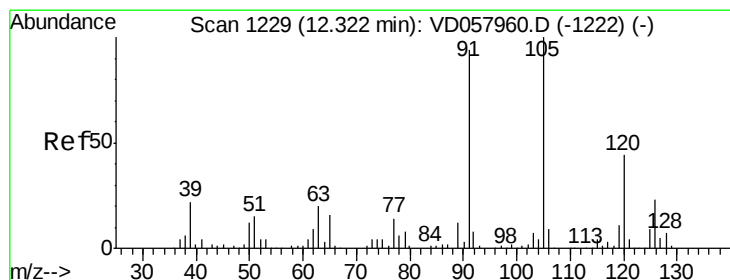
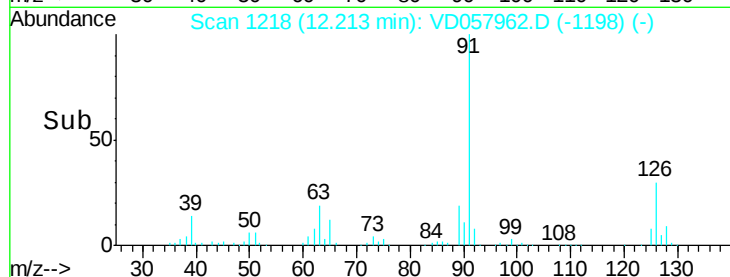
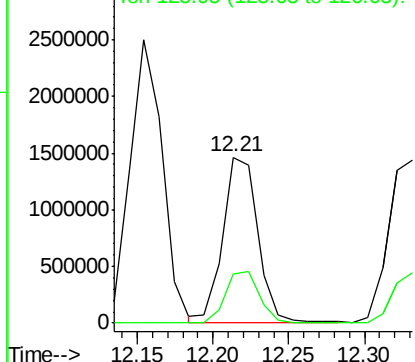
#79
 2-Chlorotoluene
 Concen: 97.98 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 91 Resp: 2321214
 Ion Ratio Lower Upper
 91 100
 126 29.6 14.6 44.0

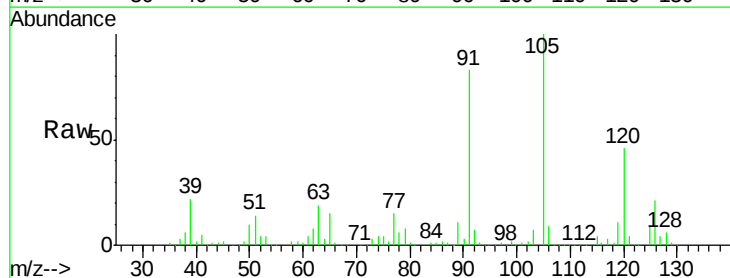


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

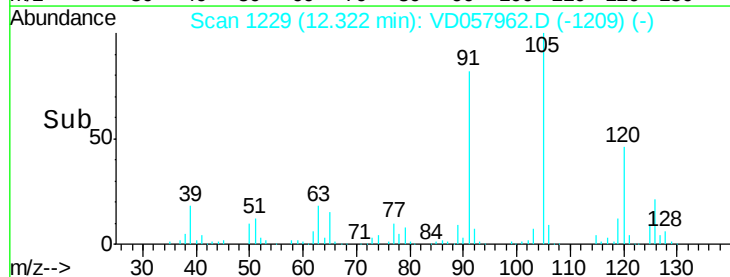
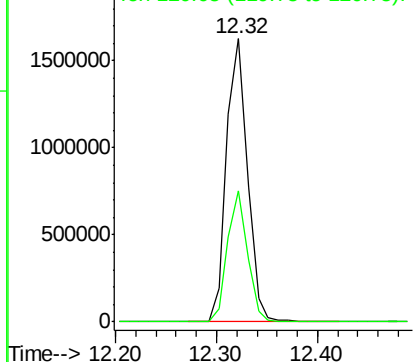


#80
 1,3,5-Trimethylbenzene
 Concen: 76.62 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 105 Resp: 2343540
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.0 66.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 115.64 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

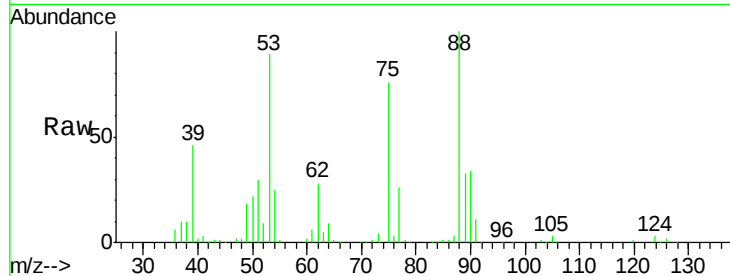
Tgt Ion: 75 Resp: 207309

Ion Ratio Lower Upper

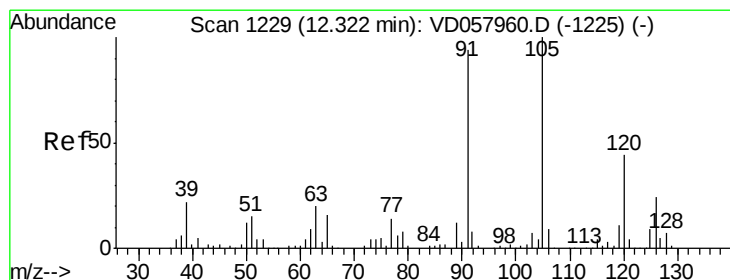
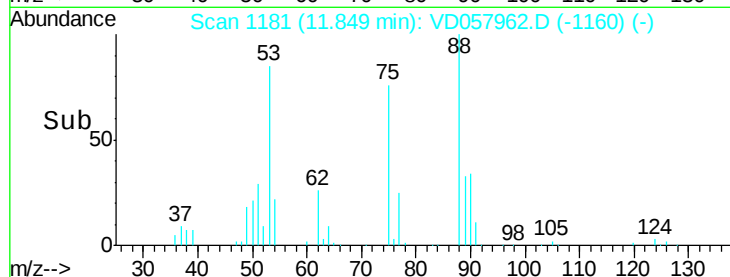
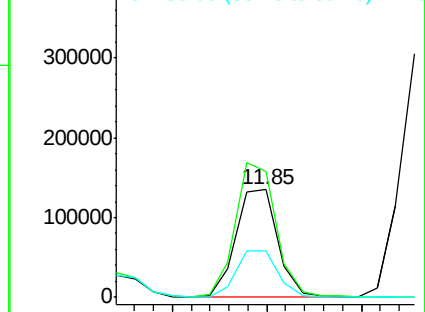
75 100

53 116.6 89.3 133.9

89 43.1 33.3 49.9



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: 88.89 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD057962.D

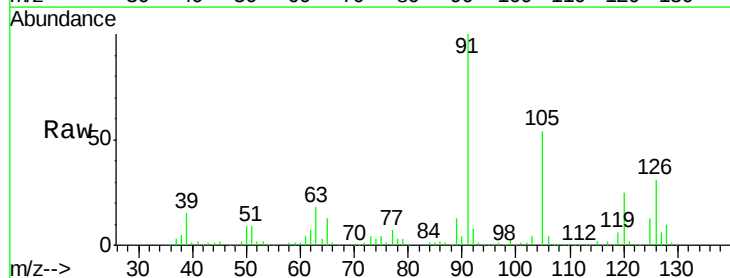
Acq: 6 Jun 2018 20:14

Tgt Ion: 91 Resp: 2300388

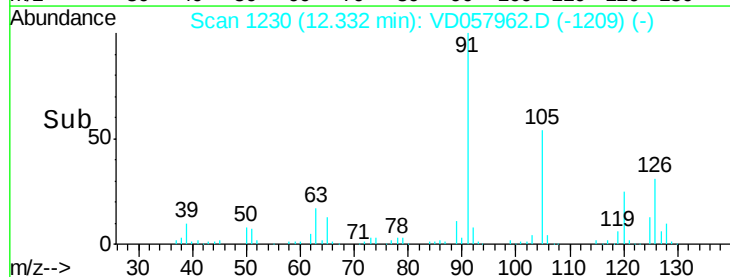
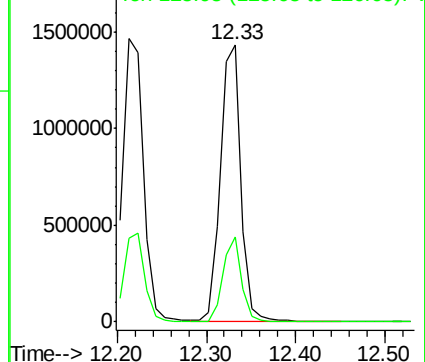
Ion Ratio Lower Upper

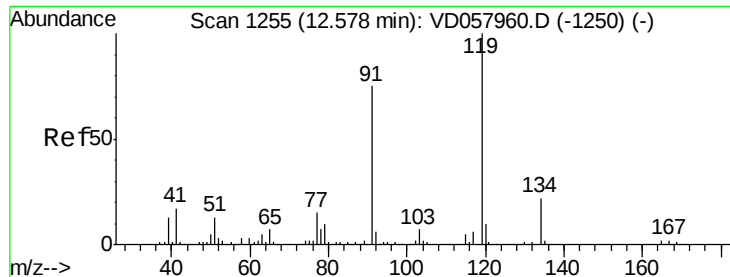
91 100

126 30.7 12.5 37.5



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

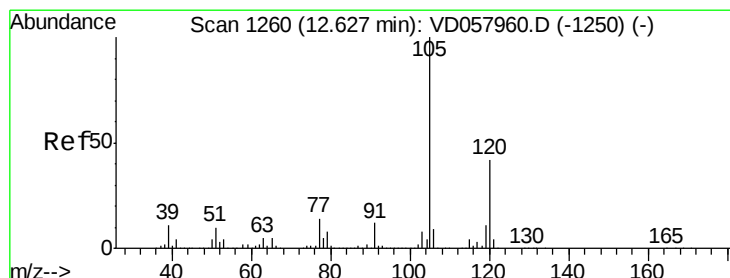
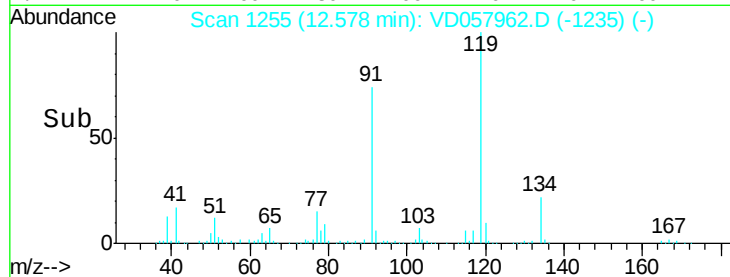
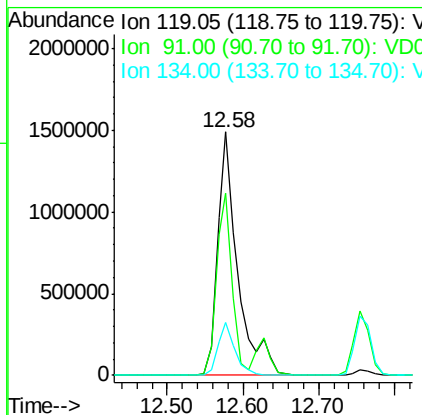
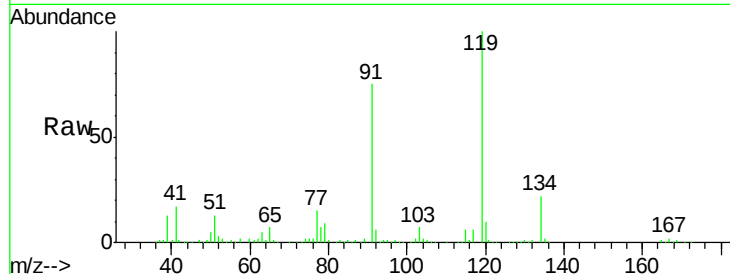




#83
 tert-Butylbenzene
 Concen: 99.02 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

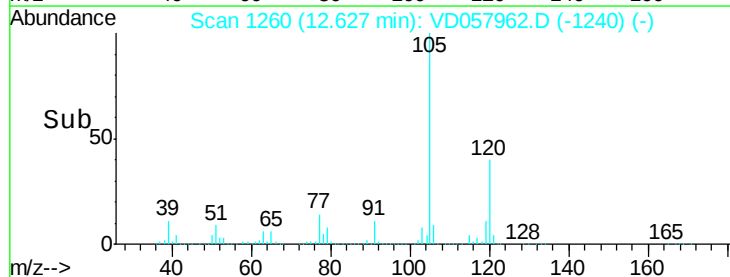
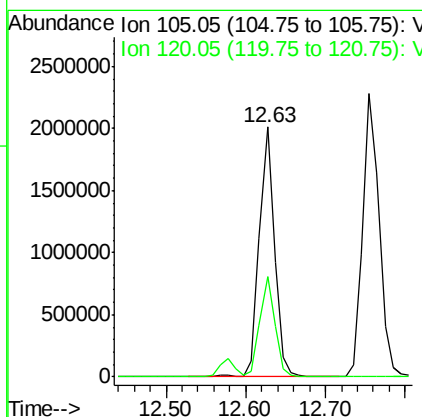
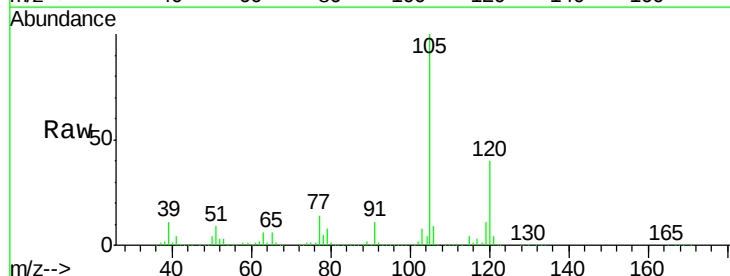
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

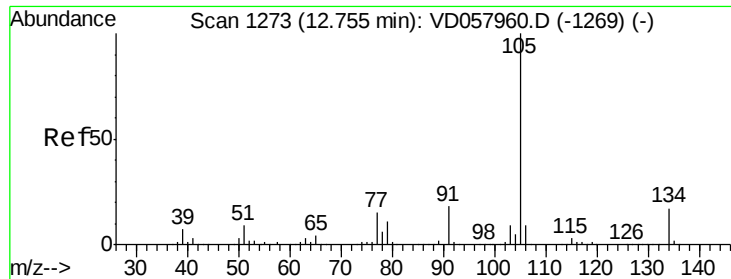
Tgt Ion:119 Resp: 2782869
 Ion Ratio Lower Upper
 119 100
 91 75.0 37.6 112.9
 134 21.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 97.93 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion:105 Resp: 2620723
 Ion Ratio Lower Upper
 105 100
 120 40.2 21.2 63.6

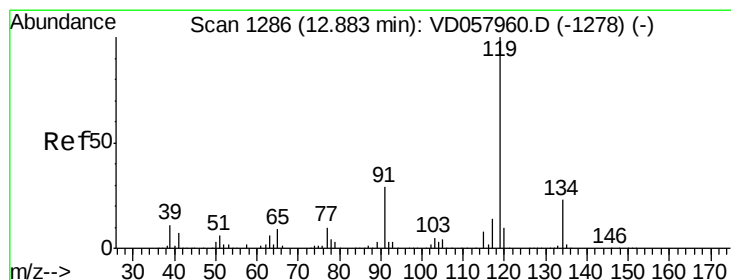
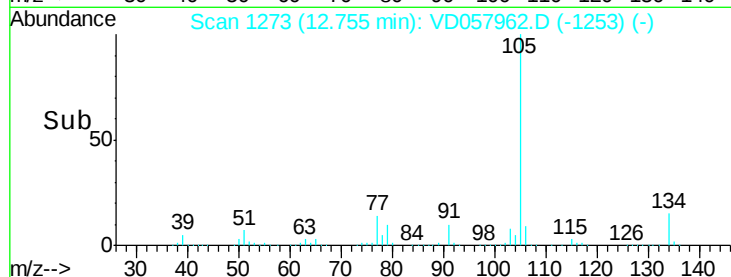
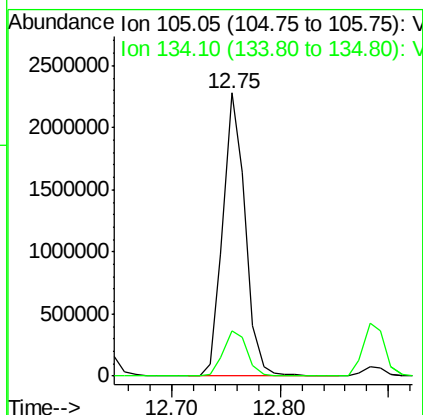
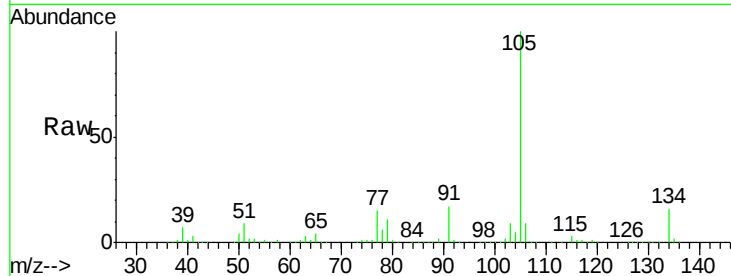




#85
 sec-Butylbenzene
 Concen: 96.07 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

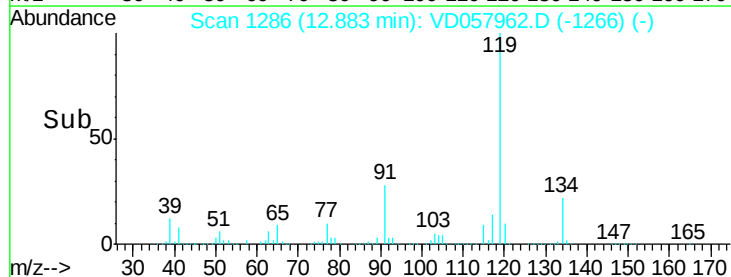
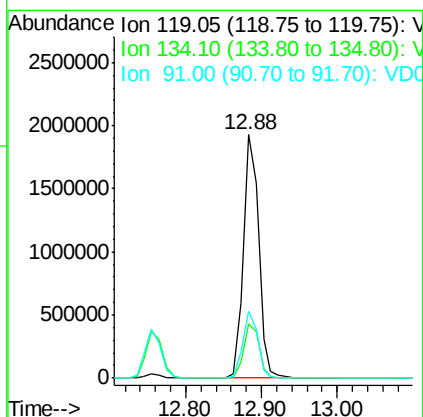
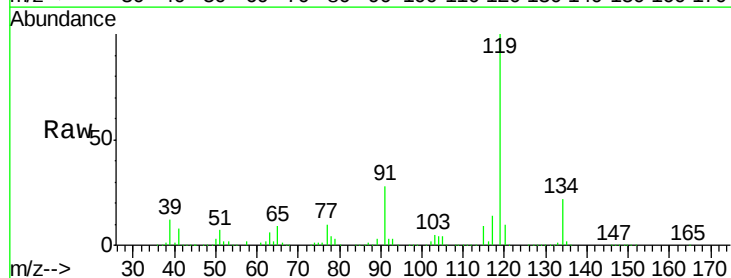
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 3258495
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 97.43 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion:119 Resp: 2663379
 Ion Ratio Lower Upper
 119 100
 134 22.1 11.5 34.4
 91 27.6 14.5 43.6

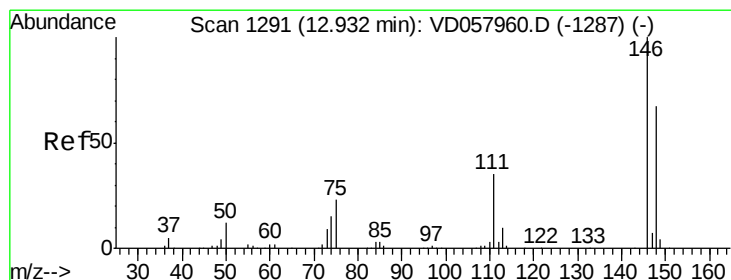
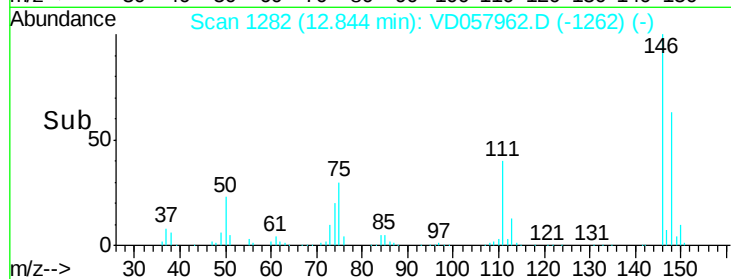
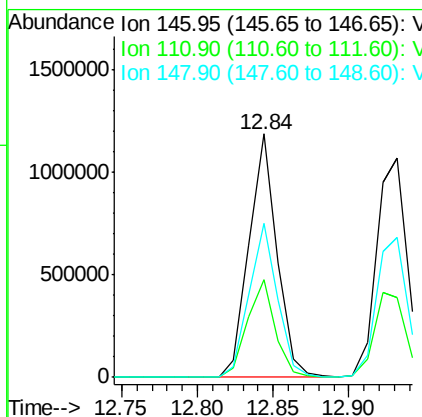
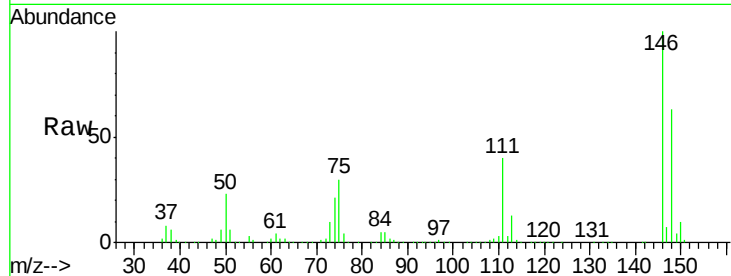




#87
 1,3-Dichlorobenzene
 Concen: 96.02 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

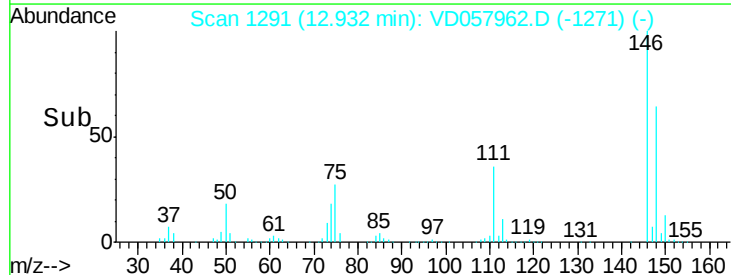
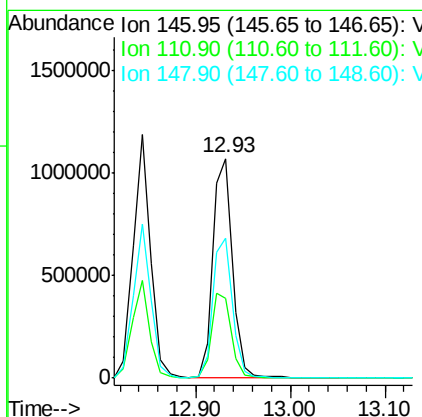
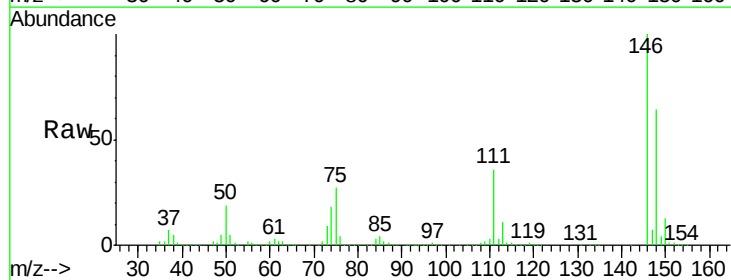
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

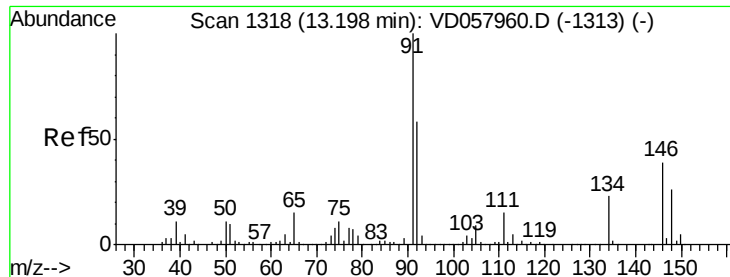
Tgt Ion:146 Resp: 1534389
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.1 57.3
 148 63.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 99.07 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion:146 Resp: 1542438
 Ion Ratio Lower Upper
 146 100
 111 36.1 17.3 52.0
 148 63.9 33.4 100.2

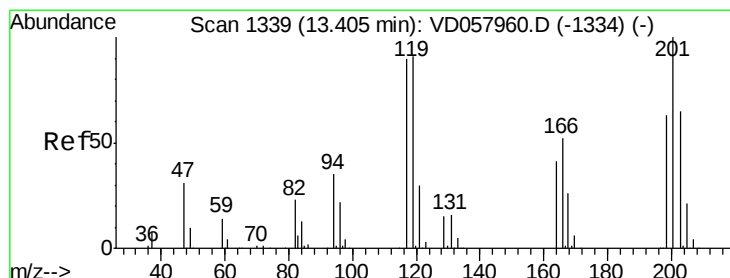
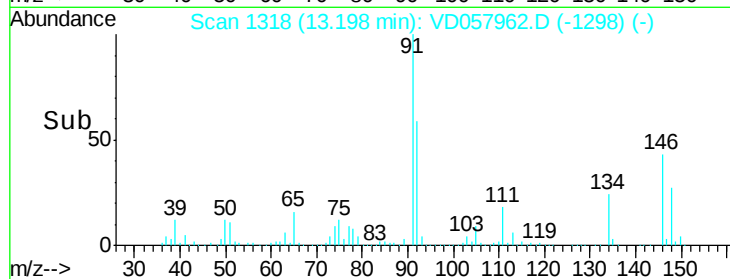
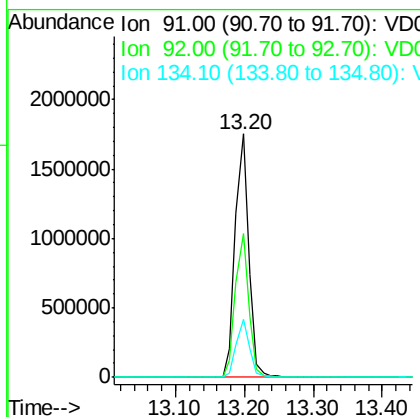
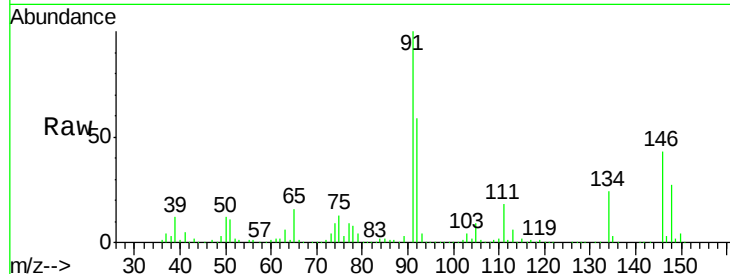




#89
n-Butylbenzene
Concen: 85.05 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

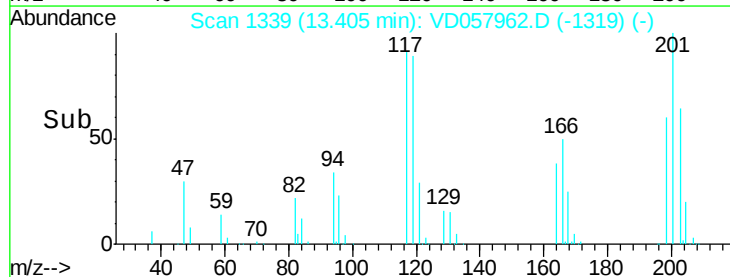
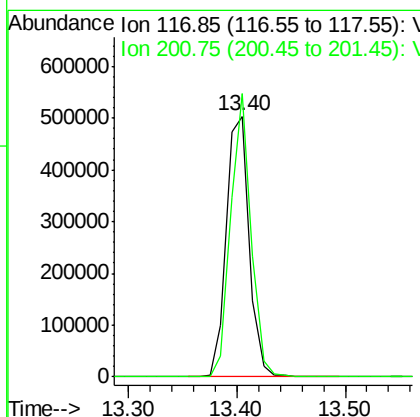
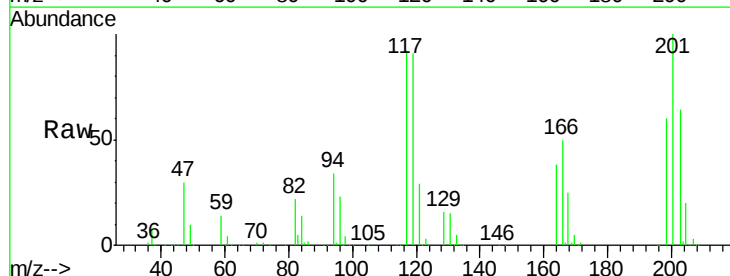
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

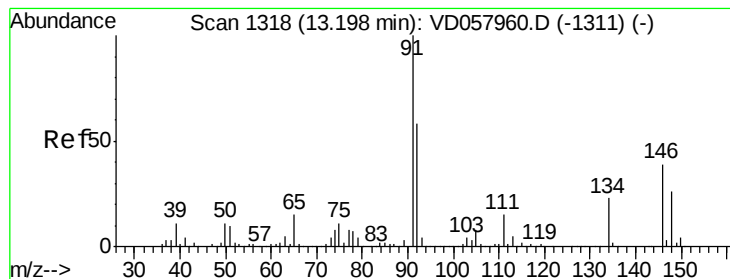
Tgt Ion: 91 Resp: 2392606
Ion Ratio Lower Upper
91 100
92 58.9 29.2 87.6
134 24.1 11.3 33.9



#90
Hexachloroethane
Concen: 106.74 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 117 Resp: 744706
Ion Ratio Lower Upper
117 100
201 108.6 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 90.68 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

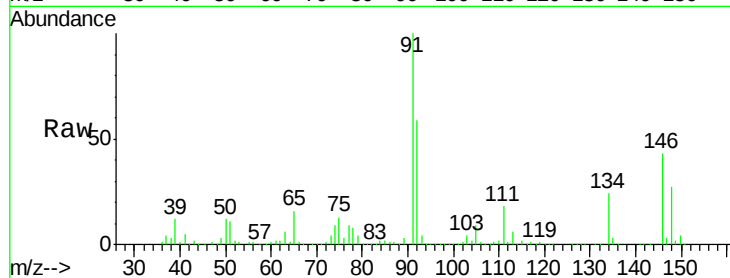
Tgt Ion:146 Resp: 1171023

Ion Ratio Lower Upper

146 100

111 41.0 19.4 58.2

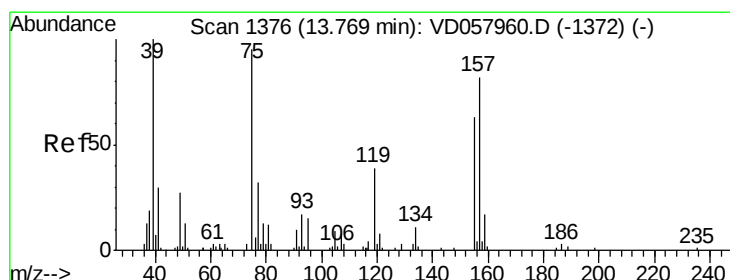
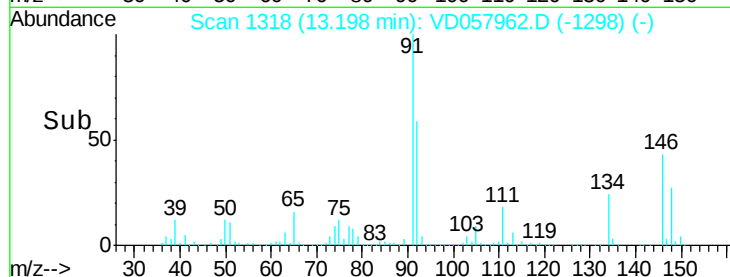
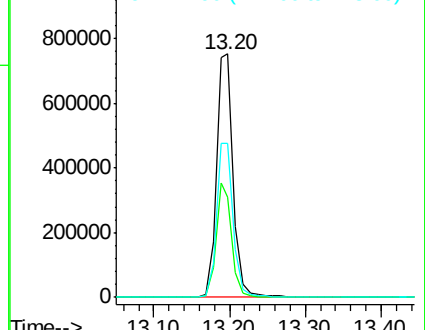
148 63.5 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 113.10 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

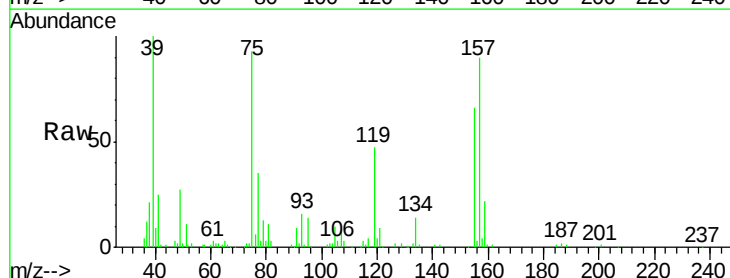
Tgt Ion: 75 Resp: 121458

Ion Ratio Lower Upper

75 100

155 71.0 33.4 100.1

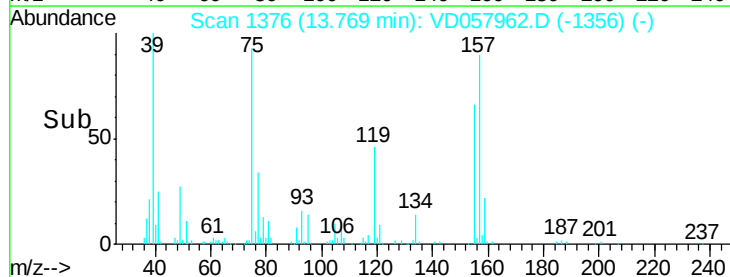
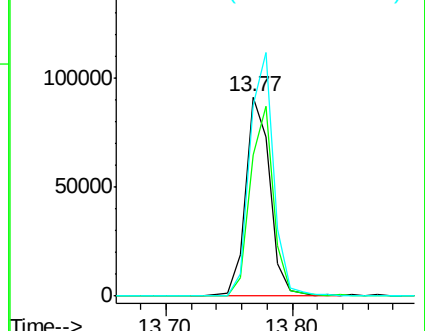
157 95.8 42.9 128.5

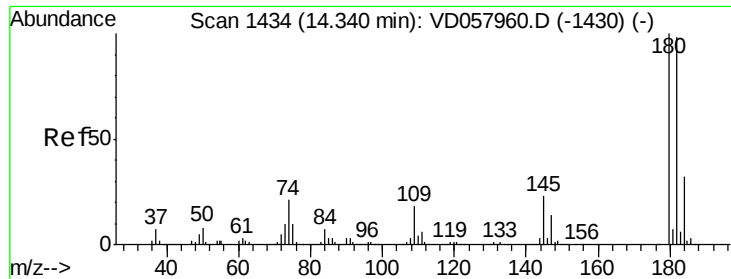


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

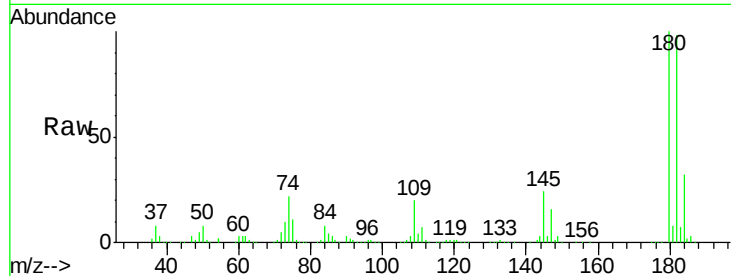




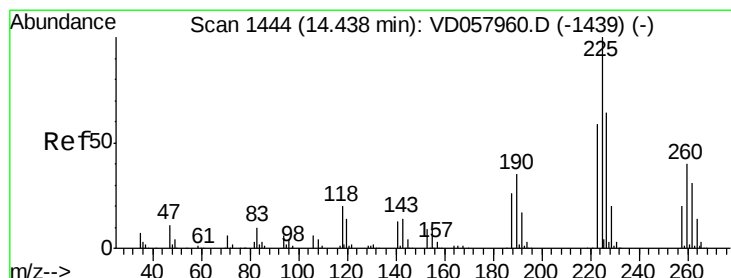
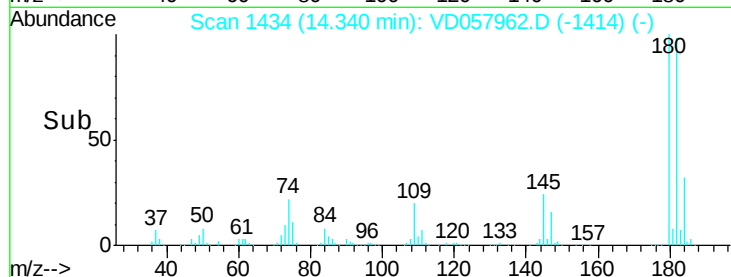
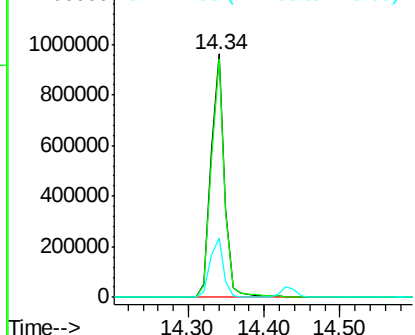
#93
 1,2,4-Trichlorobenzene
 Concen: 100.73 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 1215236
 Ion Ratio Lower Upper
 180 100
 182 98.1 49.0 147.2
 145 24.4 11.8 35.3

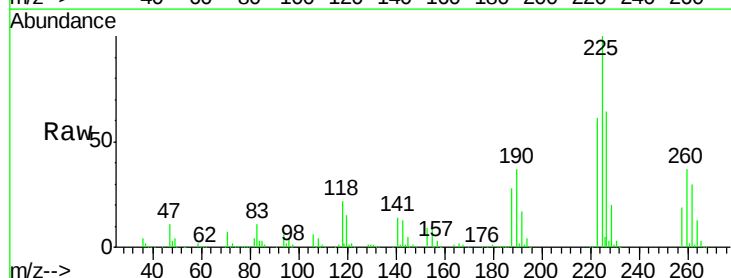


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

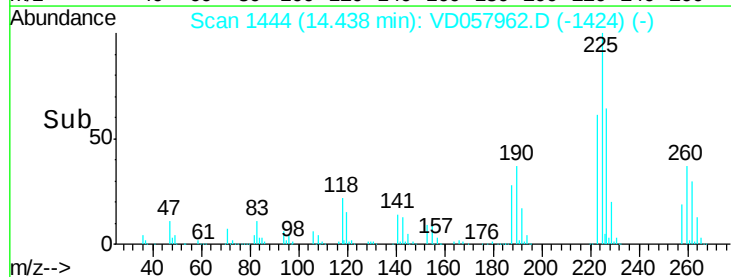
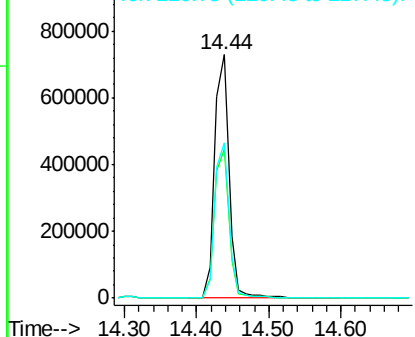


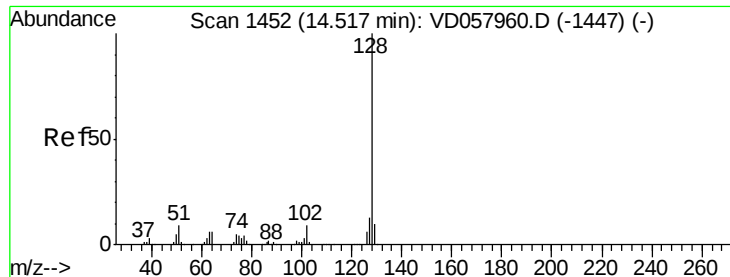
#94
 Hexachlorobutadiene
 Concen: 105.43 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion:225 Resp: 1000490
 Ion Ratio Lower Upper
 225 100
 223 61.2 29.5 88.6
 227 64.0 32.0 96.0



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

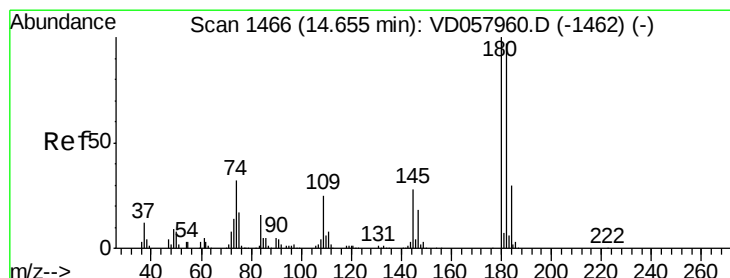
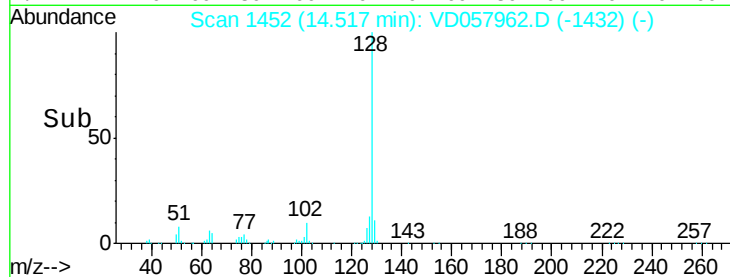
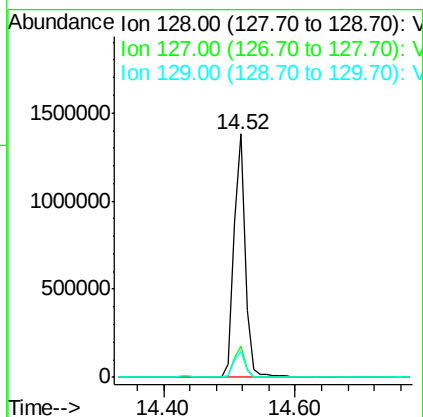
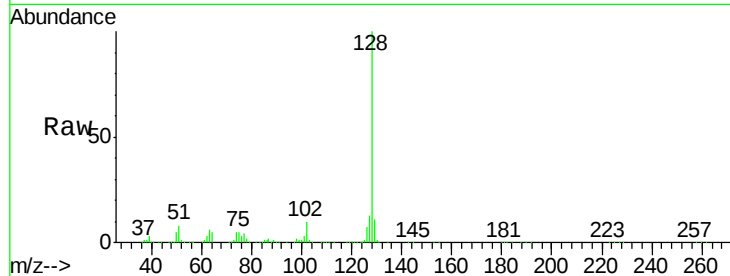




#95
Naphthalene
Concen: 108.38 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1685879
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 104.36 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion:180 Resp: 1073026
Ion Ratio Lower Upper
180 100
182 96.4 48.5 145.5
145 28.6 14.2 42.8

