

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062112.D
 Acq On : 2 May 2019 15:34
 Operator : FY/SY
 Sample : K2627-01
 Misc : 6.28g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 03 01:09:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

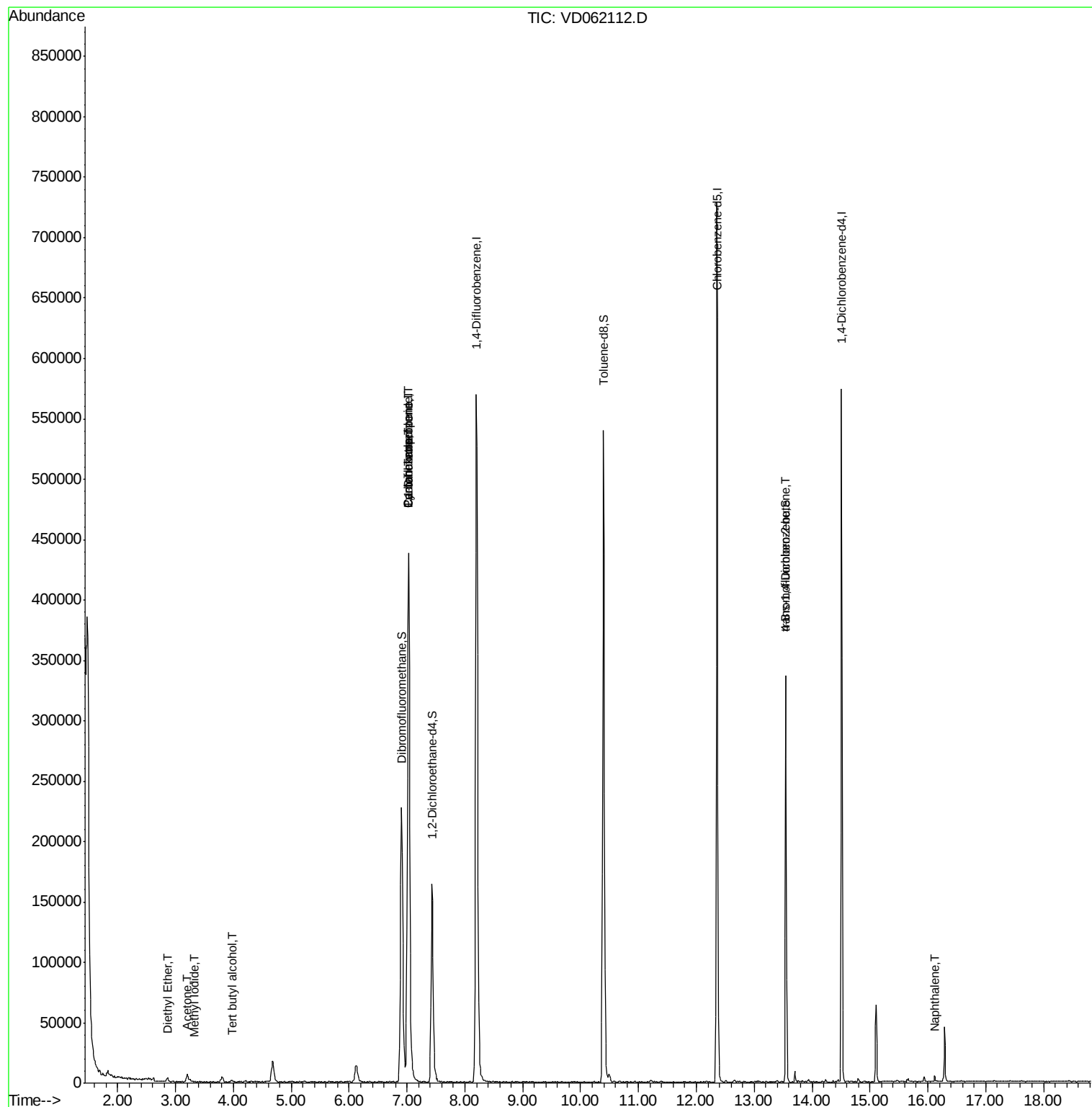
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	433475	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	715711	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	464355	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	127454	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	164080	48.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	6.91	113	227711	46.00	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.00%	
50) Toluene-d8	10.39	98	456212	38.73	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	77.46%	
62) 4-Bromofluorobenzene	13.54	95	112014	23.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	47.42%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.86	74	1258	1.041	ug/l	87
10) Methyl Iodide	3.33	142	199	5.456	ug/l #	37
11) Tert butyl alcohol	3.98	59	683	3.563	ug/l #	76
16) Acetone	3.20	43	12492	15.421	ug/l	91
20) Methylene Chloride	3.81	84	2705	Below Cal	#	90
31) Cyclohexane	7.03	56	7710	1.526	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	30039	5.387	ug/l #	45
38) Carbon Tetrachloride	7.03	117	43361	6.137	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.54	75	42741	87.145	ug/l #	16
95) Naphthalene	16.11	128	4793	1.562	ug/l #	84

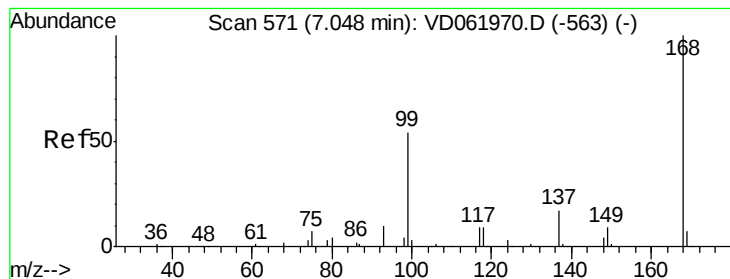
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050219\
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QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration

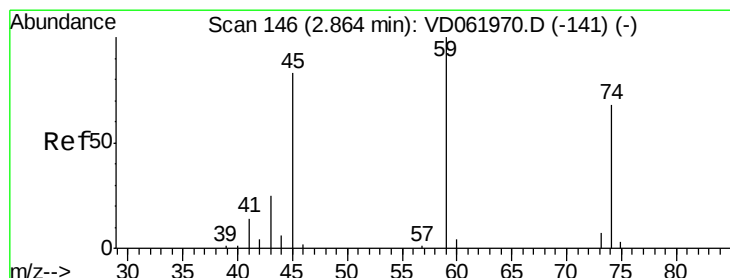
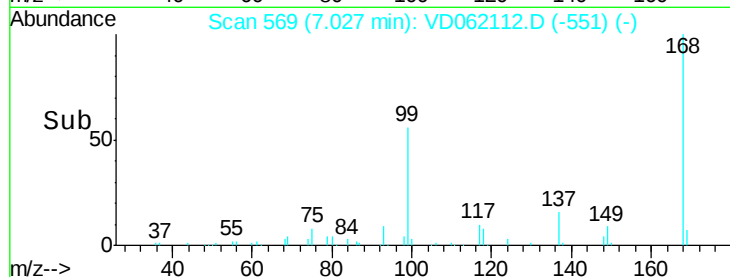
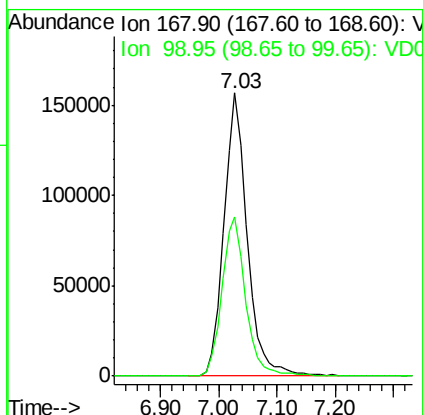
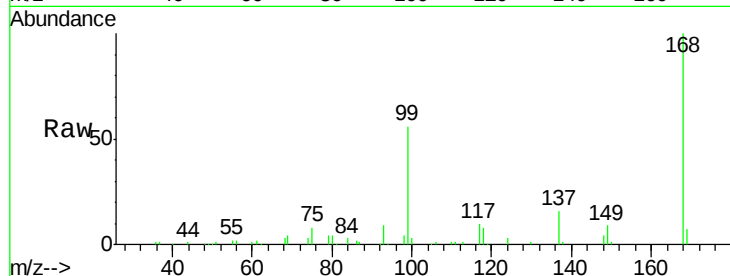




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.03 min
Lab File: VD062112.D
Acq: 2 May 2019 15:34

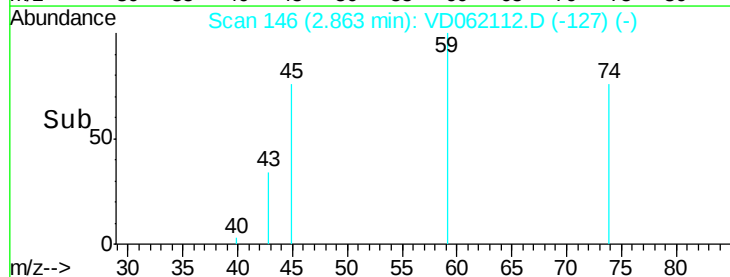
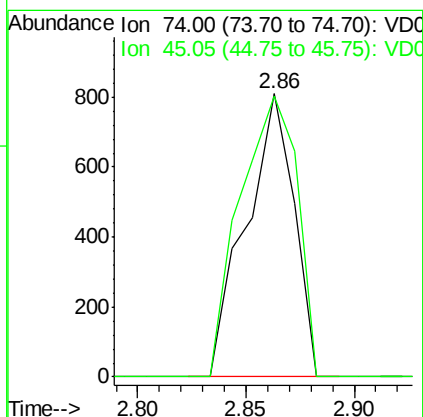
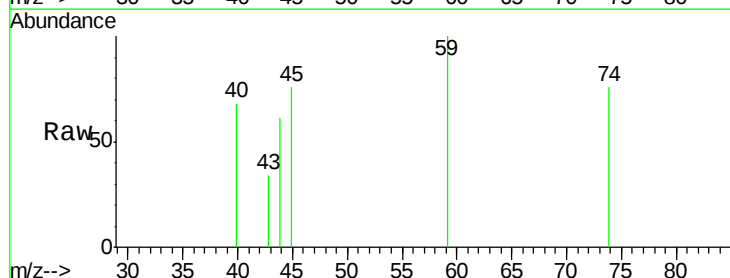
Instrument :
MSVOA_D
ClientSampled :

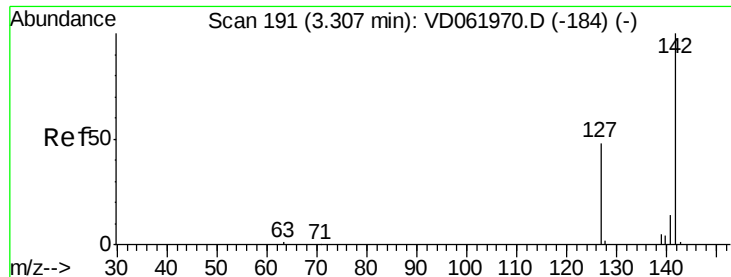
Tot Ion:168 Resp: 433475
Ion Ratio Lower Upper
168 100
99 56.4 46.5 69.7



#8
Diethyl Ether
Concen: 1.041 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.02 min
Lab File: VD062112.D
Acq: 2 May 2019 15:34

Tgt Ion: 74 Resp: 1258
Ion Ratio Lower Upper
74 100
45 99.3 56.9 170.7

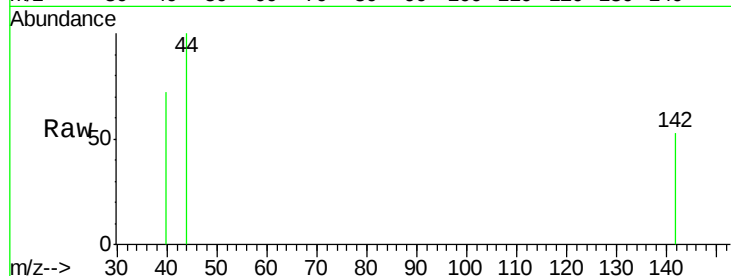




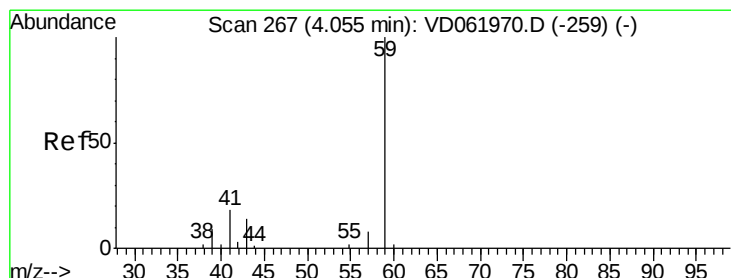
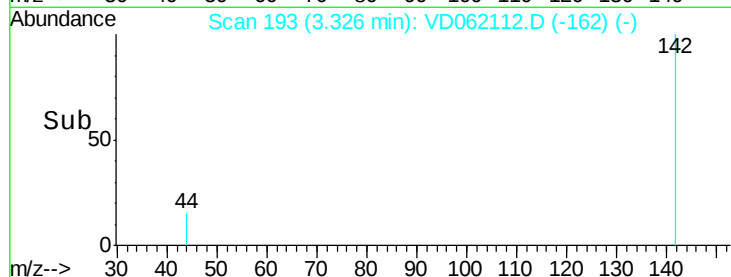
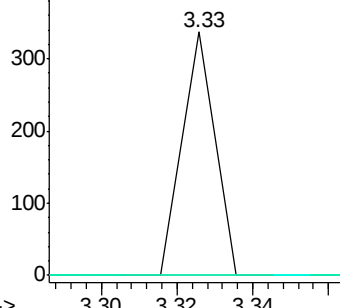
#10
Methyl Iodide
Concen: 5.456 ug/l
RT: 3.33 min Scan# 193
Delta R.T. 0.00 min
Lab File: VD062112.D
Acq: 2 May 2019 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 199
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

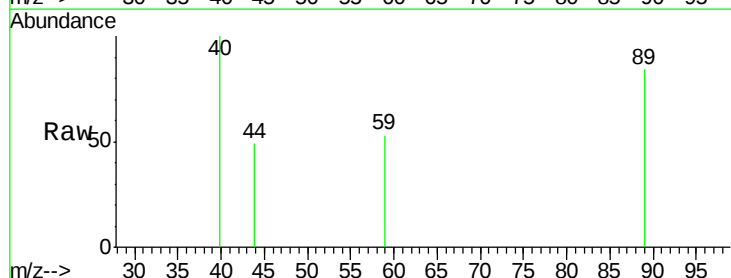


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

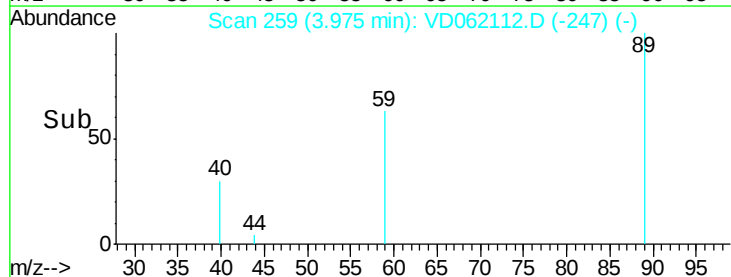
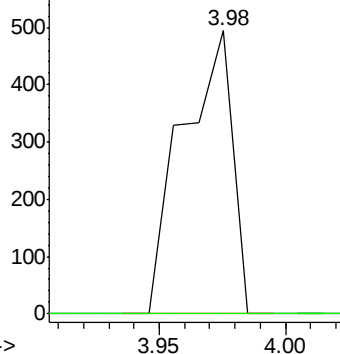


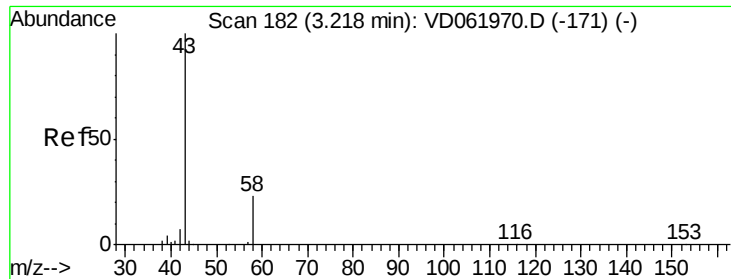
#11
Tert butyl alcohol
Concen: 3.563 ug/l
RT: 3.98 min Scan# 259
Delta R.T. -0.08 min
Lab File: VD062112.D
Acq: 2 May 2019 15:34

Tgt Ion: 59 Resp: 683
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 15.421 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062112.D

Acq: 2 May 2019 15:34

Instrument :

MSVOA_D

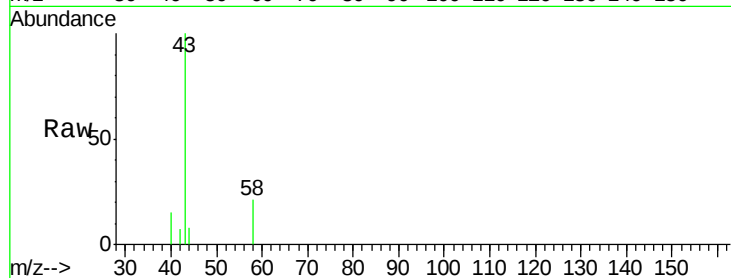
ClientSampled :

Tot Ion: 43 Resp: 12492

Ion Ratio Lower Upper

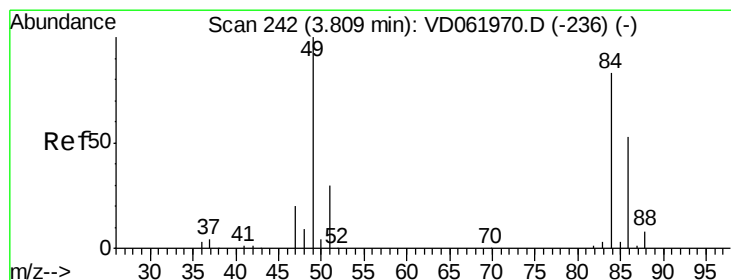
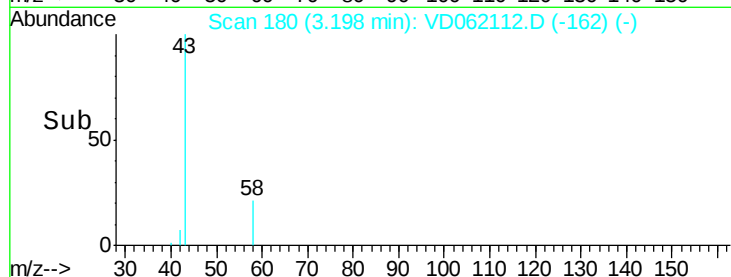
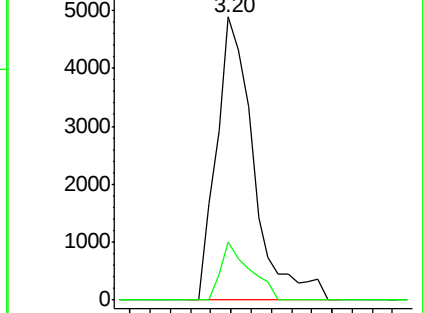
43 100

58 20.6 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD062112.D

Acq: 2 May 2019 15:34

Tgt Ion: 84 Resp: 2705

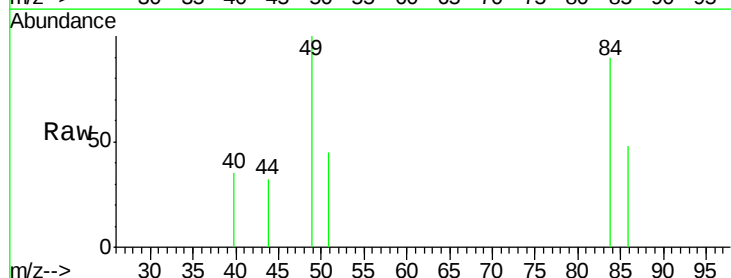
Ion Ratio Lower Upper

84 100

49 111.7 94.0 141.0

51 50.4 29.0 43.4

86 54.1 49.8 74.6

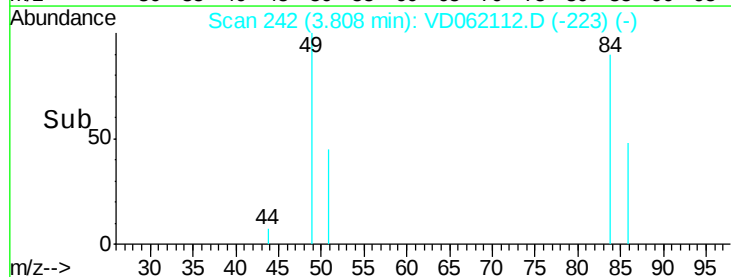
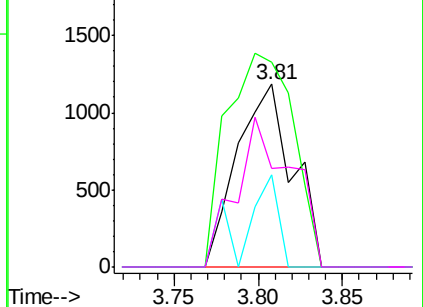


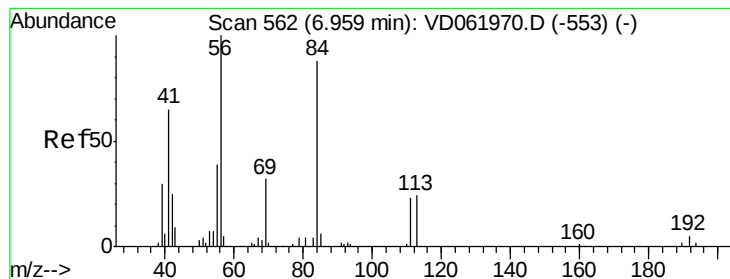
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#31

Cvclohexane

Concen: 1.526 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.06 min

Lab File: VD062112.D

Acq: 2 May 2019 15:34

Instrument :

MSVOA_D

ClientSampleId :

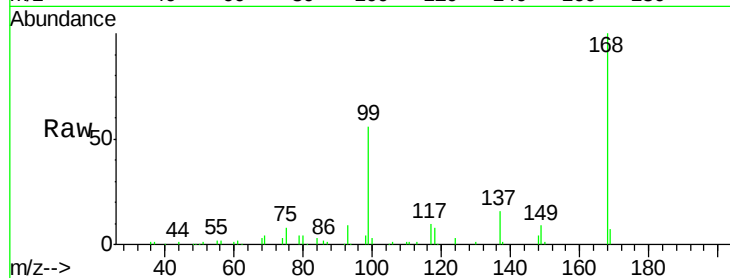
Tot Ion: 56 Resp: 7710

Ion Ratio Lower Upper

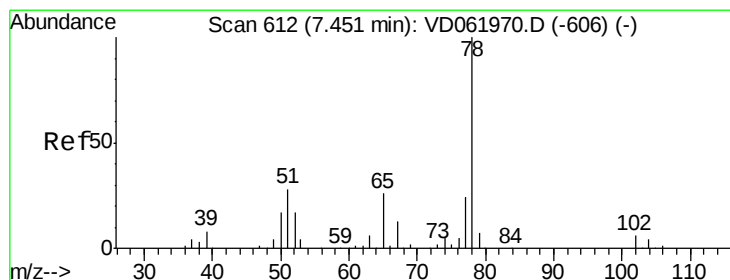
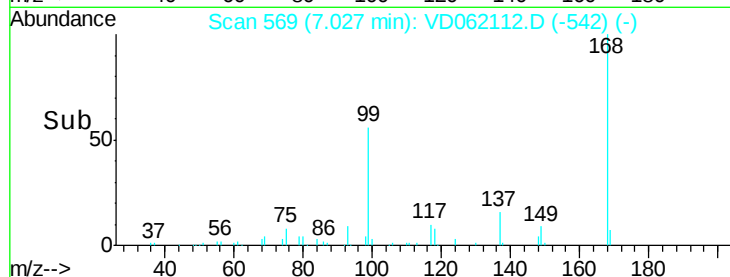
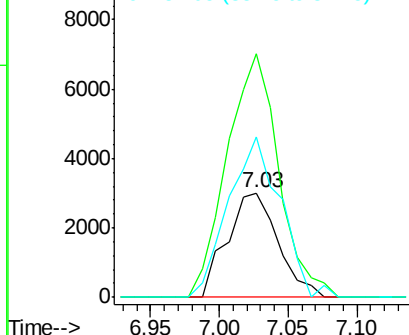
56 100

69 233.6 25.8 38.6#

84 154.3 72.2 108.4#



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



#33

1,2-Dichloroethane-d4

Concen: 48.364 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062112.D

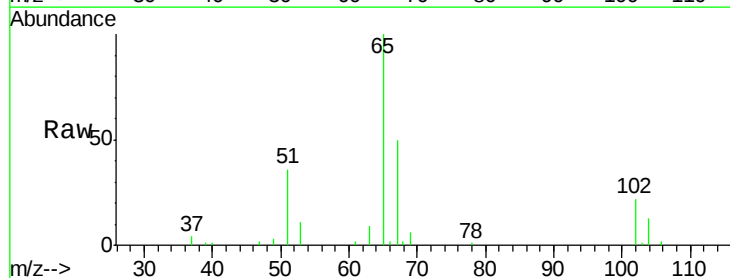
Acq: 2 May 2019 15:34

Tgt Ion: 65 Resp: 164080

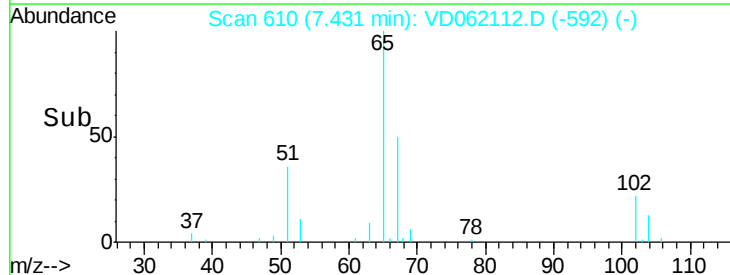
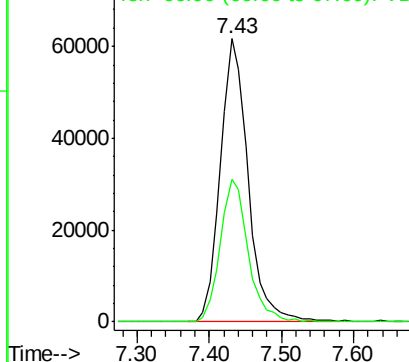
Ion Ratio Lower Upper

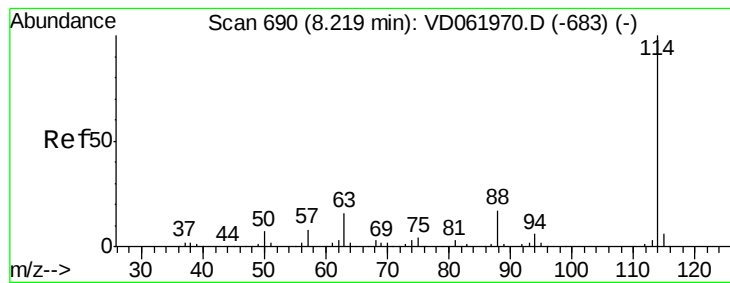
65 100

67 50.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.03 min

Lab File: VD062112.D

Acq: 2 May 2019 15:34

Instrument :

MSVOA_D

ClientSampleId :

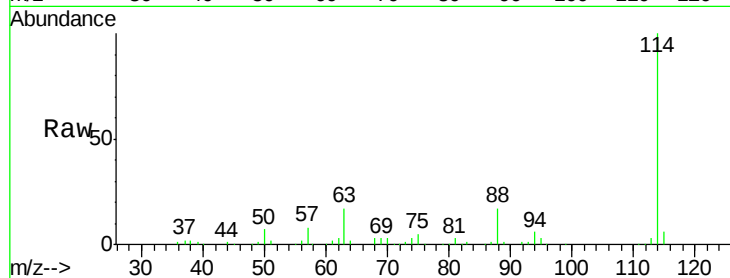
Tot Ion:114 Resp: 715711

Ion Ratio Lower Upper

114 100

63 16.7 0.0 32.4

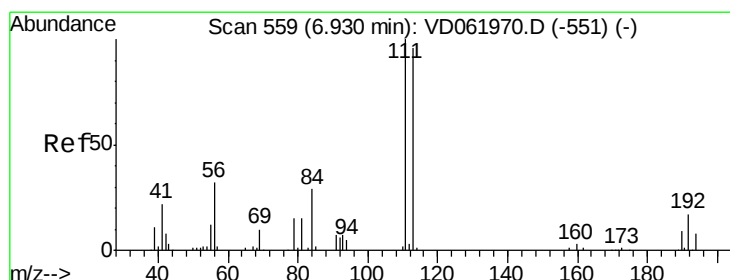
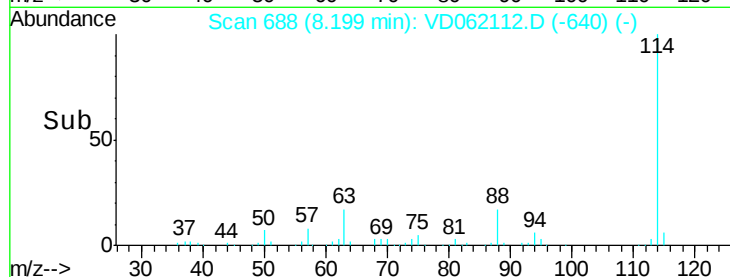
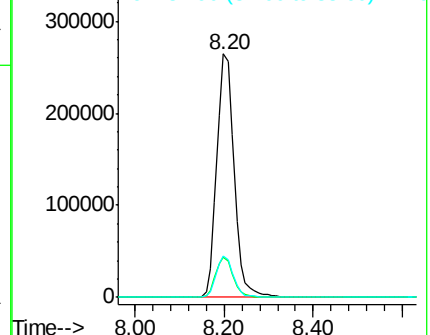
88 17.2 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 46.004 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD062112.D

Acq: 2 May 2019 15:34

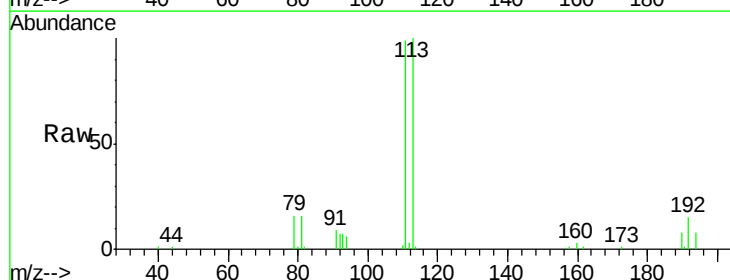
Tgt Ion:113 Resp: 227711

Ion Ratio Lower Upper

113 100

111 98.9 78.5 117.7

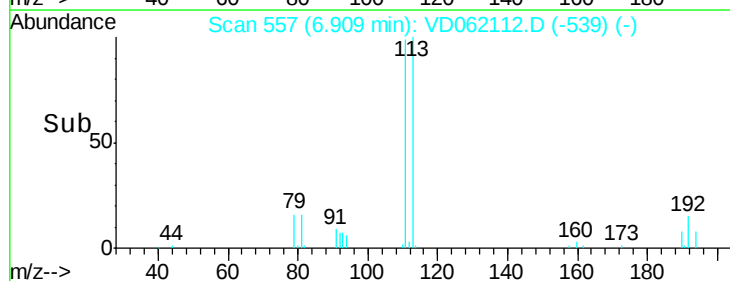
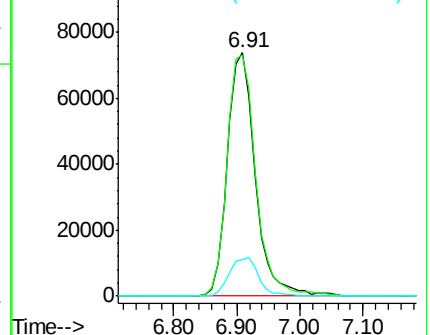
192 14.6 13.0 19.4

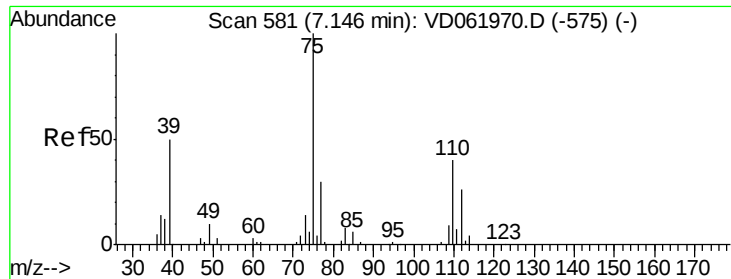


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.387 ug/l

RT: 7.03 min Scan# 569

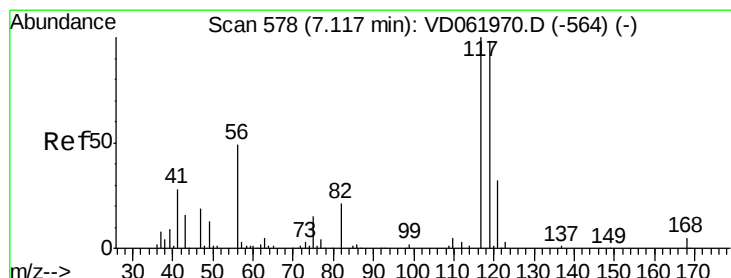
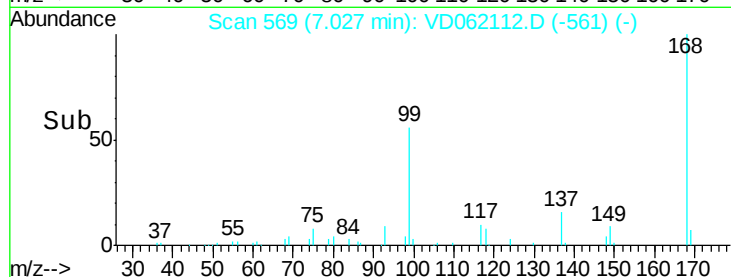
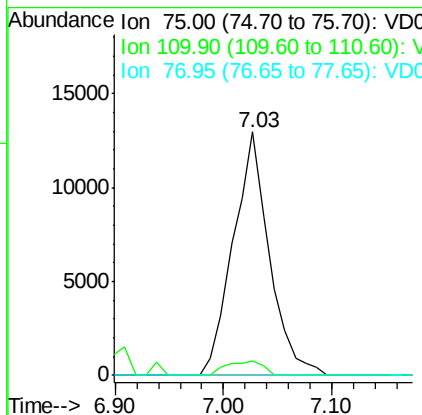
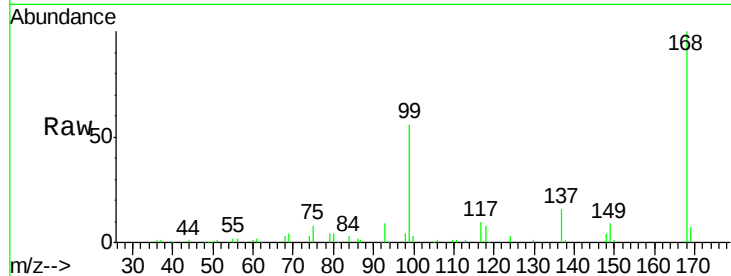
Delta R.T. -0.12 min

Lab File: VD062112.D

Acq: 2 May 2019 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	30039
Ion	Ratio	Lower	Upper
75	100		
110	6.2	19.1	57.1#
77	0.0	25.6	38.4#



#38

Carbon Tetrachloride

Concen: 6.137 ug/l

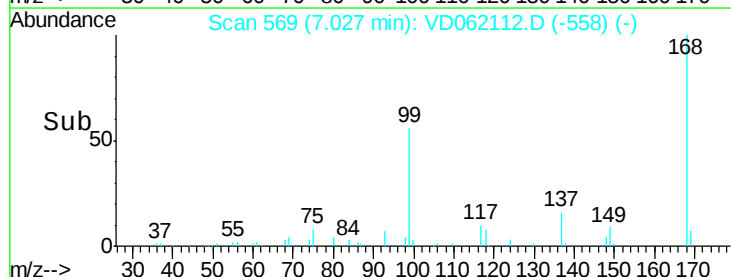
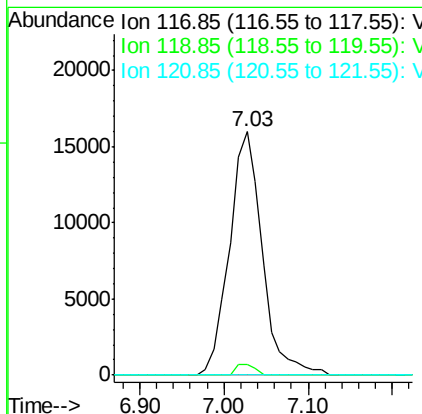
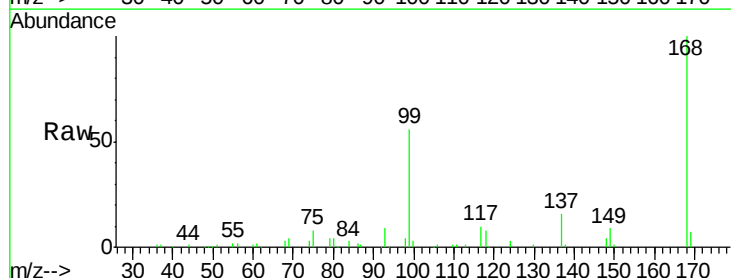
RT: 7.03 min Scan# 569

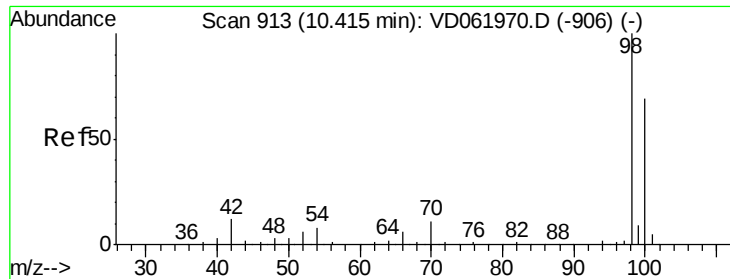
Delta R.T. -0.09 min

Lab File: VD062112.D

Acq: 2 May 2019 15:34

Tgt Ion:	117	Resp:	43361
Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.8	113.8#
121	0.0	25.9	38.9#

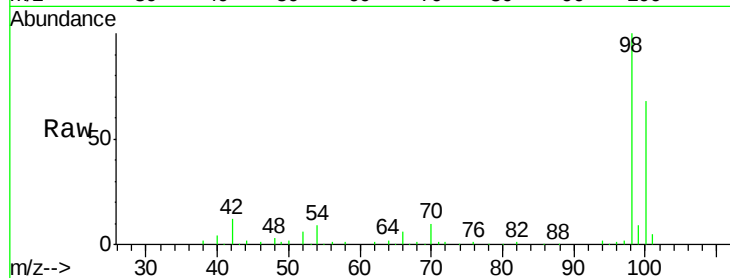




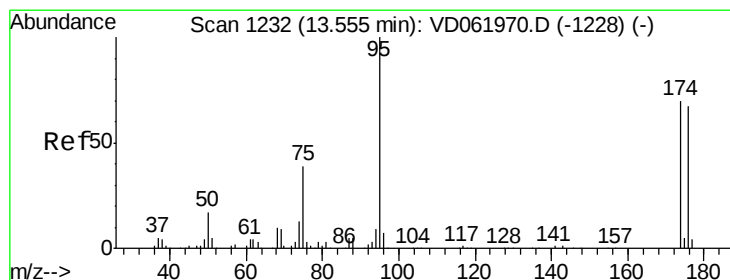
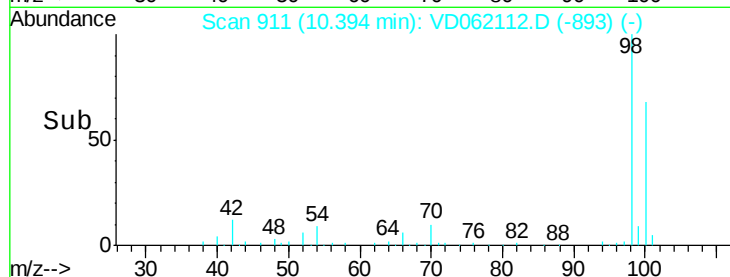
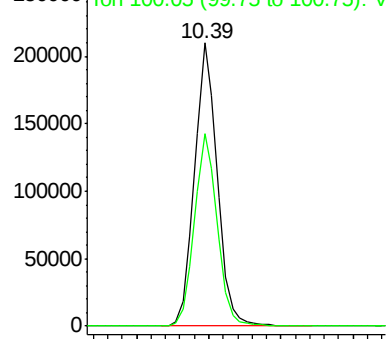
#50
Toluene-d8
Concen: 38.734 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062112.D
Acq: 2 May 2019 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 456212
Ion Ratio Lower Upper
98 100
100 67.9 53.8 80.8

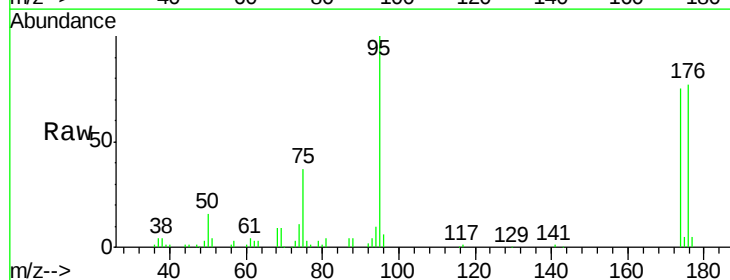


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

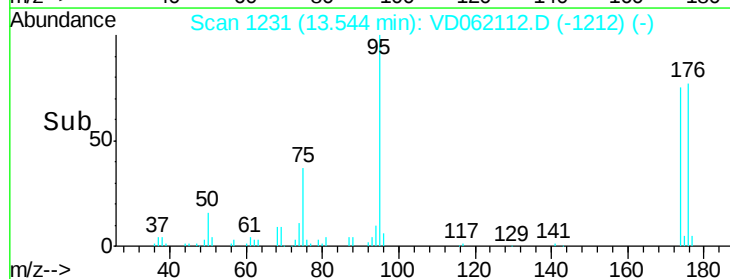
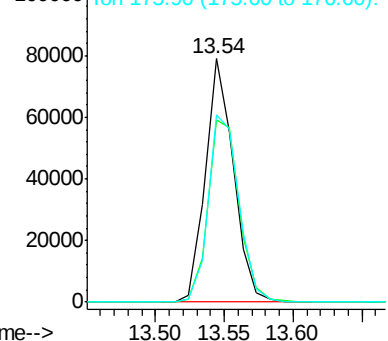


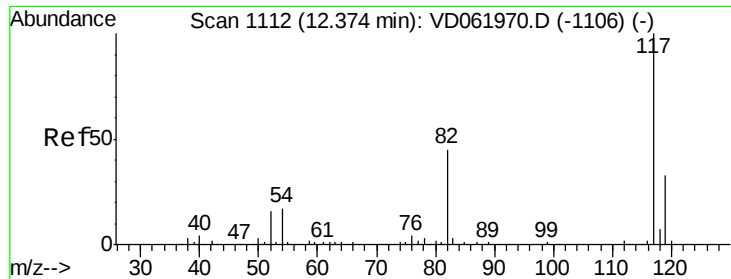
#62
4-Bromofluorobenzene
Concen: 23.711 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD062112.D
Acq: 2 May 2019 15:34

Tgt Ion: 95 Resp: 112014
Ion Ratio Lower Upper
95 100
174 74.7 0.0 181.8
176 77.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)
Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)
Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

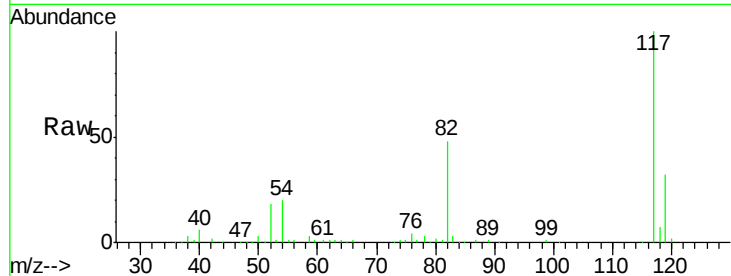




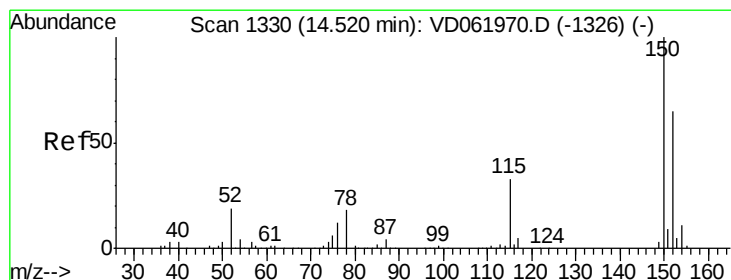
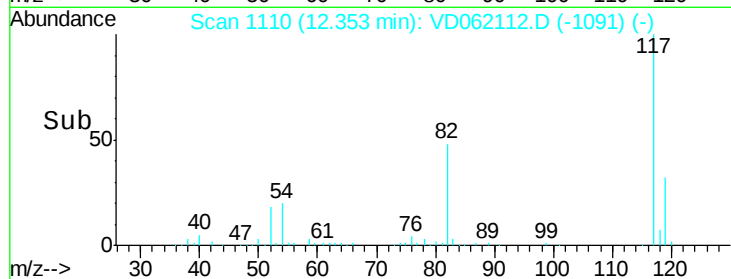
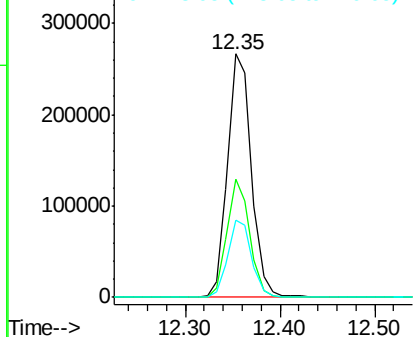
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062112.D
Acq: 2 May 2019 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 464355
Ion Ratio Lower Upper
117 100
82 48.4 36.2 54.2
119 31.7 26.2 39.4

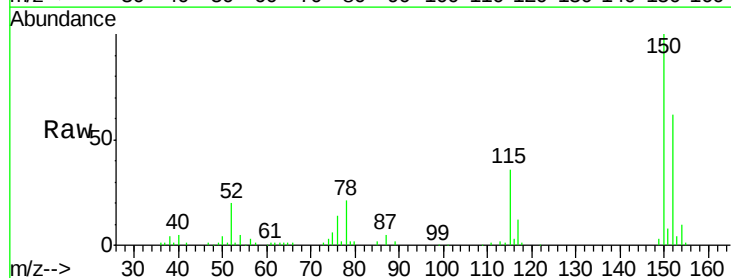


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

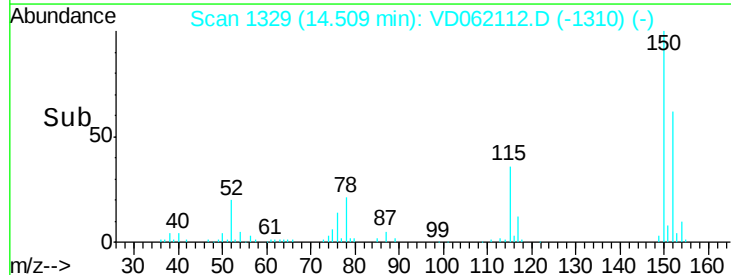
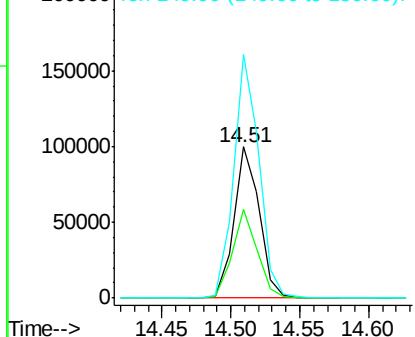


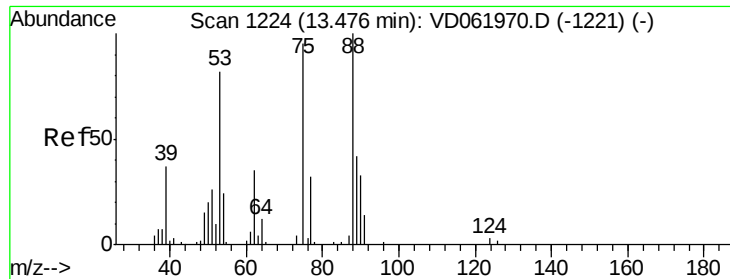
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062112.D
Acq: 2 May 2019 15:34

Tgt Ion:152 Resp: 127454
Ion Ratio Lower Upper
152 100
115 58.5 30.9 92.7
150 161.1 0.0 314.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 87.145 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062112.D

Acq: 2 May 2019 15:34

Instrument :

MSVOA_D

ClientSampleId :

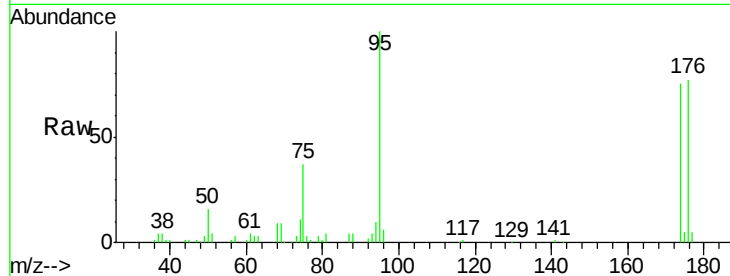
Tot Ion: 75 Resp: 42741

Ion Ratio Lower Upper

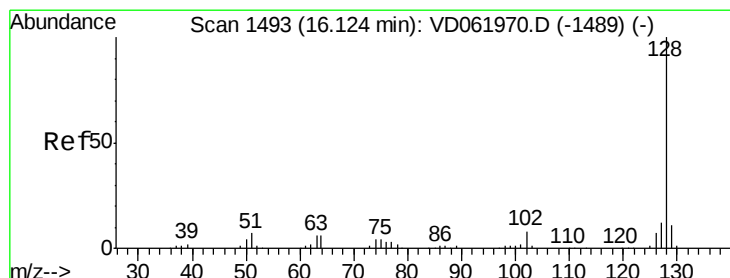
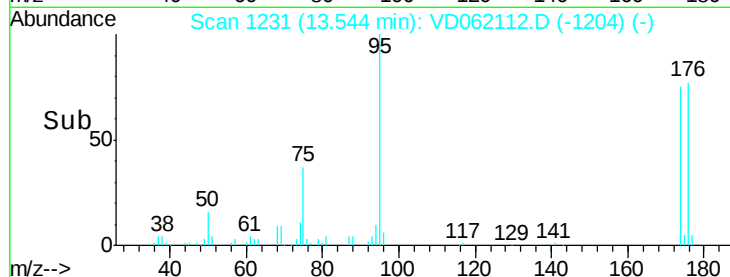
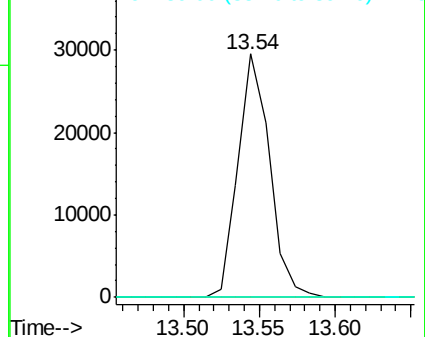
75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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



#95

Naphthalene

Concen: 1.562 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.02 min

Lab File: VD062112.D

Acq: 2 May 2019 15:34

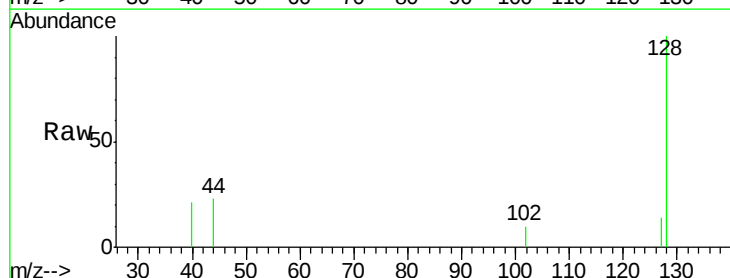
Tgt Ion: 128 Resp: 4793

Ion Ratio Lower Upper

128 100

127 13.7 9.8 14.8

129 0.0 8.8 13.2#



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

