

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061472.D
 Acq On : 1 Apr 2019 16:54
 Operator : VA/AP
 Sample : K2178-07
 Misc : 5.78g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:19:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	520060	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	905107	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	569374	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	147869	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	241846	54.44	ug/l	0.02
Spiked Amount			Recovery	=	108.88%	
35) Dibromofluoromethane	6.93	113	315675	45.64	ug/l	0.03
Spiked Amount			Recovery	=	91.28%	
50) Toluene-d8	10.41	98	683789	41.22	ug/l	0.02
Spiked Amount			Recovery	=	82.44%	
62) 4-Bromofluorobenzene	13.56	95	216340	34.01	ug/l	0.01
Spiked Amount			Recovery	=	68.02%	

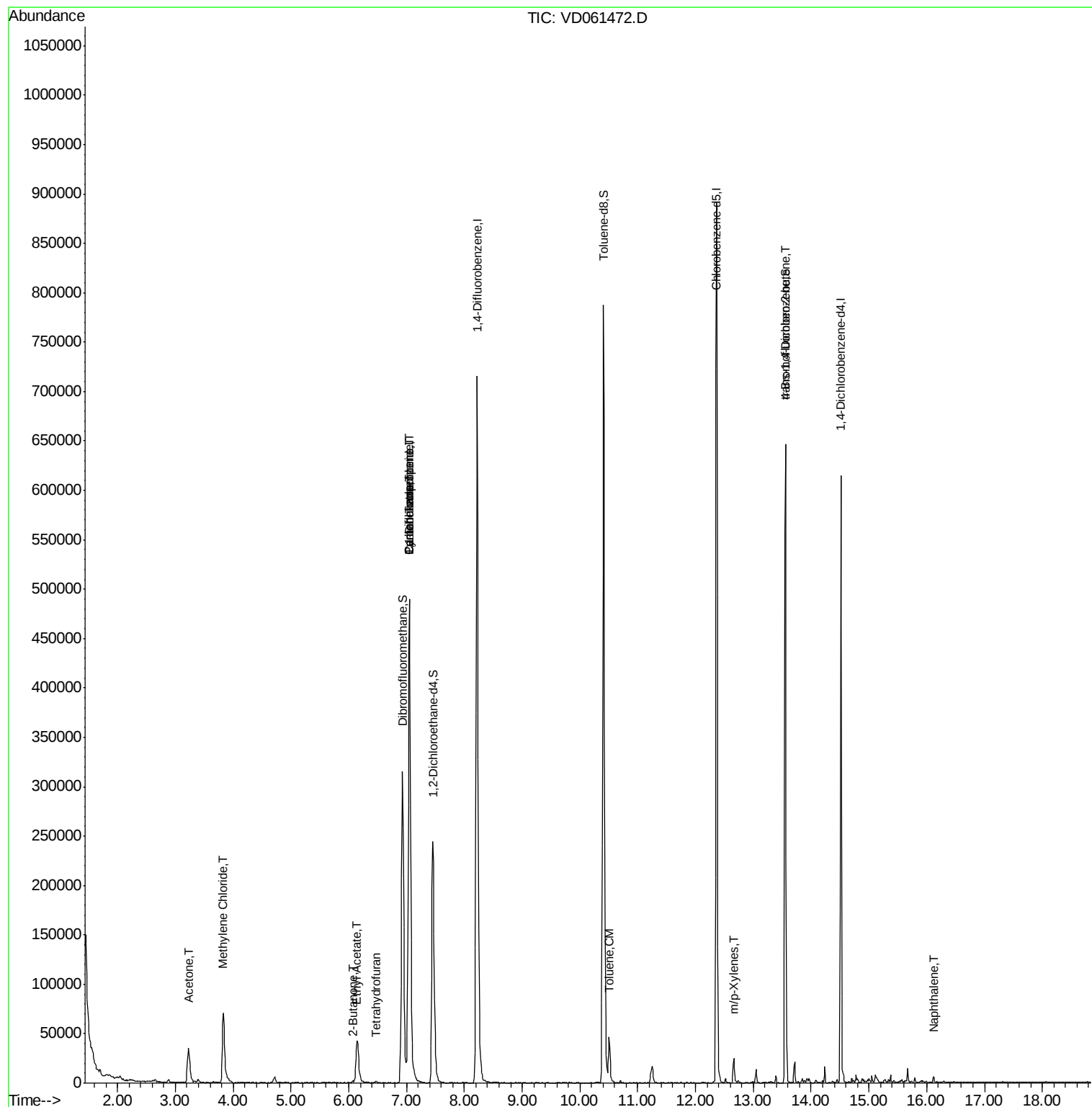
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	74859	65.549	ug/l	97
20) Methylene Chloride	3.83	84	56362	7.165	ug/l	97
25) 2-Butanone	6.07	43	3214	2.237	ug/l #	54
29) Tetrahydrofuran	6.47	42	1243	1.785	ug/l #	41
31) Cyclohexane	7.05	56	8304	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	36963	4.679	ug/l #	44
37) Ethyl Acetate	6.12	43	3425	1.014	ug/l #	57
38) Carbon Tetrachloride	7.05	117	50407	5.553	ug/l #	13
52) Toluene	10.50	92	24603	2.034	ug/l	98
68) m/p-Xylenes	12.66	106	9240	1.373	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.55	75	81356	124.919	ug/l #	18
95) Naphthalene	16.12	128	4228	1.437	ug/l	98

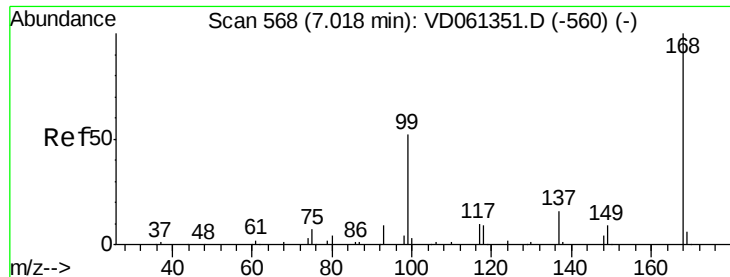
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\
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MSVOA_D
ClientSampleId :

Quant Time: Apr 02 01:19:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

Instrument :

MSVOA_D

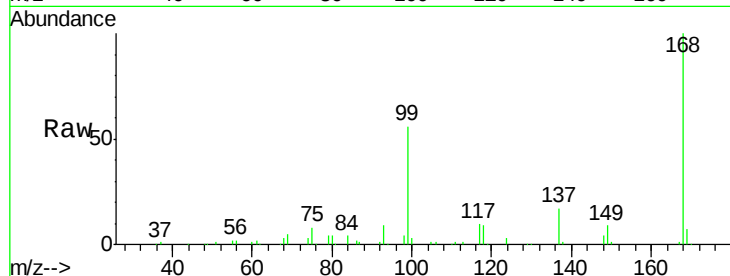
ClientSampleId :

Tot Ion:168 Resp: 520060

Ion Ratio Lower Upper

168 100

99 56.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

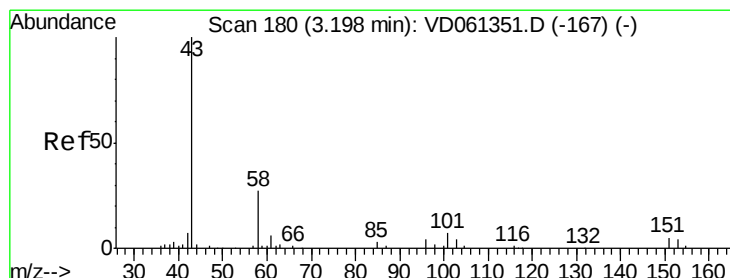
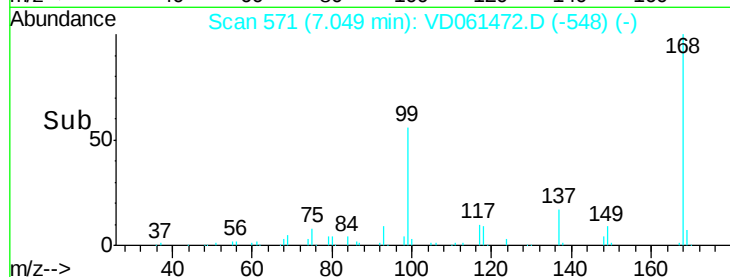
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 65.549 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061472.D

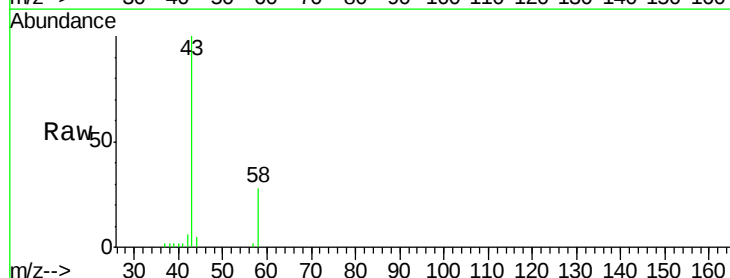
Acq: 1 Apr 2019 16:54

Tgt Ion: 43 Resp: 74859

Ion Ratio Lower Upper

43 100

58 28.4 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

25000

20000

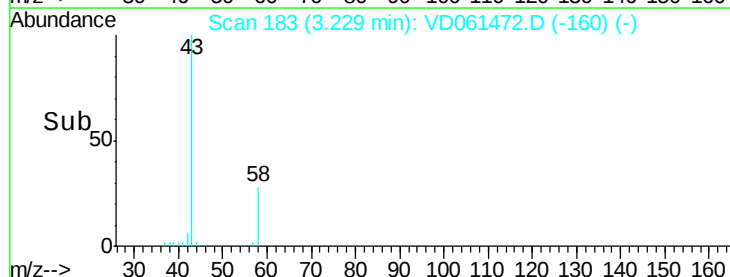
15000

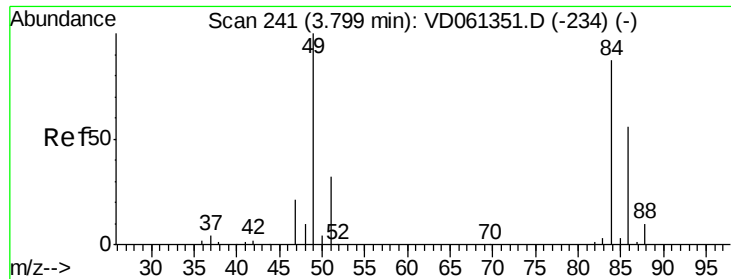
10000

5000

0

Time--> 3.10 3.20 3.30 3.40

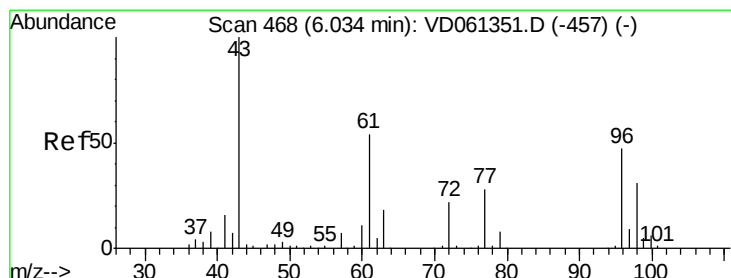
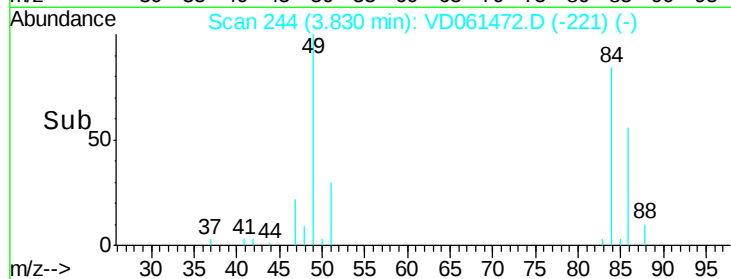
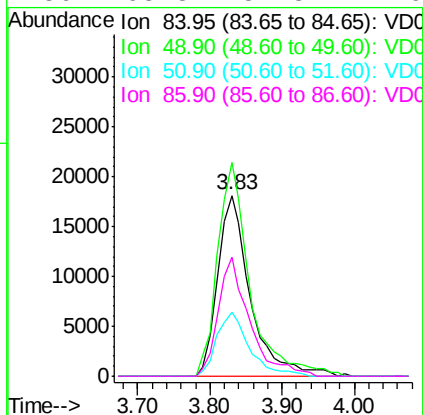
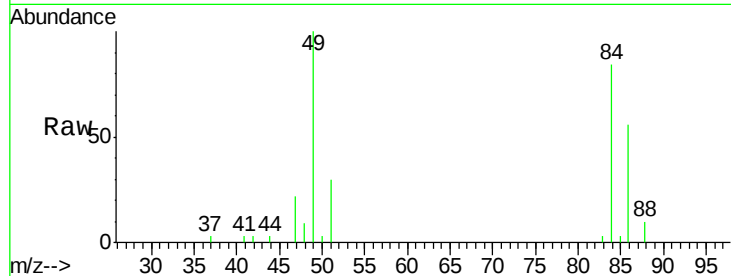




#20
Methvlene Chloride
Concen: 7.165 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD061472.D
Acq: 1 Apr 2019 16:54

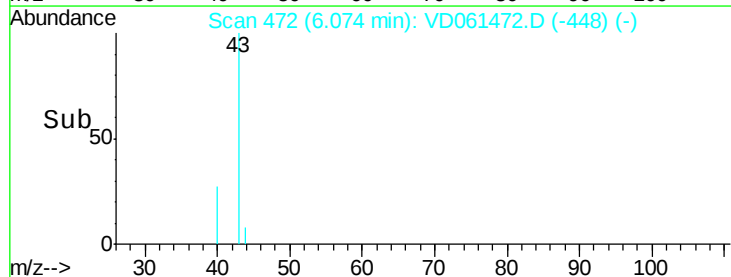
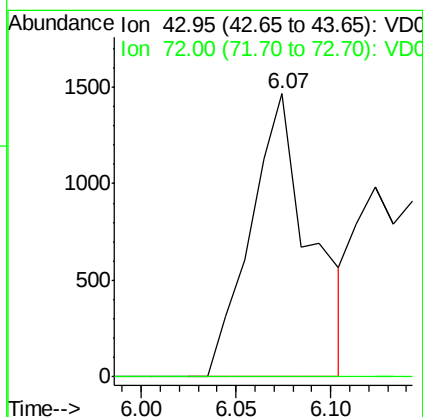
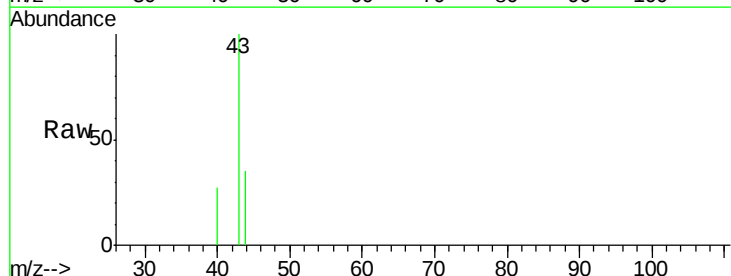
Instrument :
MSVOA_D
ClientSampleId :

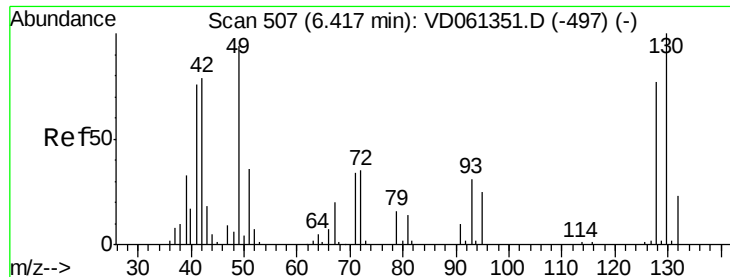
Tot Ion: 84 Resp: 56362
Ion Ratio Lower Upper
84 100
49 118.3 91.8 137.8
51 35.5 29.8 44.8
86 65.8 51.8 77.6



#25
2-Butanone
Concen: 2.237 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.04 min
Lab File: VD061472.D
Acq: 1 Apr 2019 16:54

Tgt Ion: 43 Resp: 3214
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#





#29

Tetrahydrofuran

Concen: 1.785 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.05 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

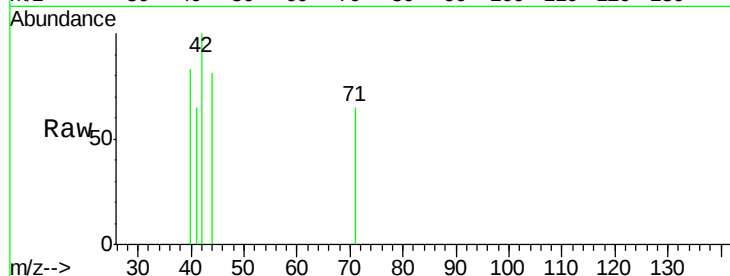
Tot Ion: 42 Resp: 1243

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

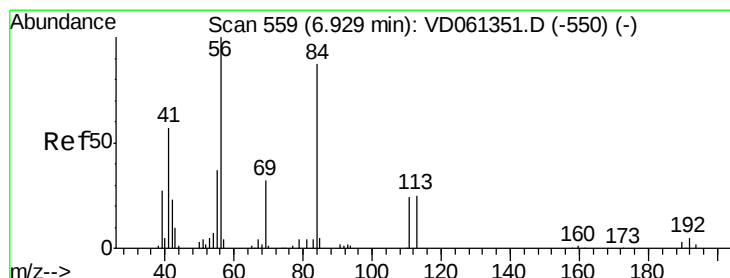
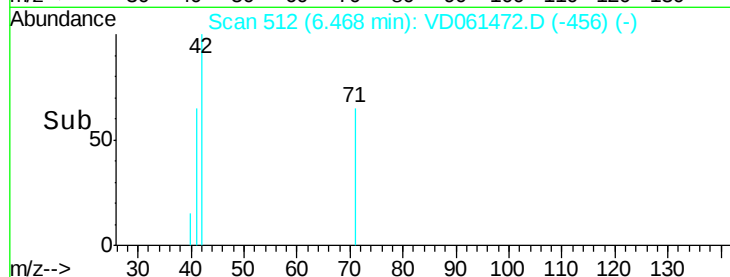
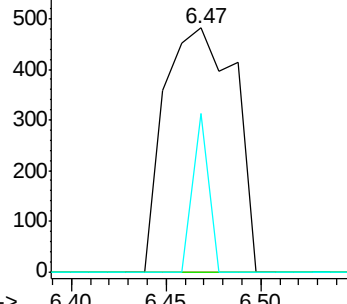
71 14.8 36.7 55.1#



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



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.12 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

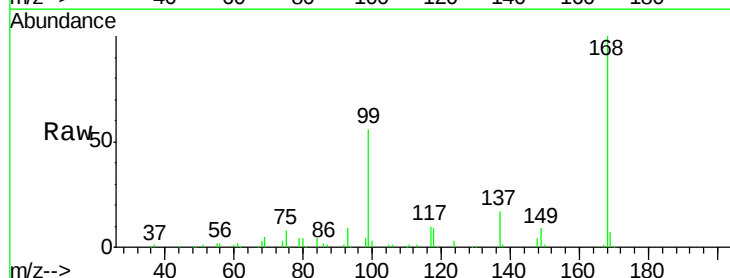
Tgt Ion: 56 Resp: 8304

Ion Ratio Lower Upper

56 100

69 264.6 25.7 38.5#

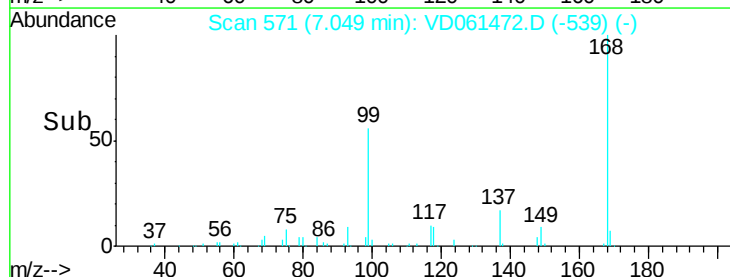
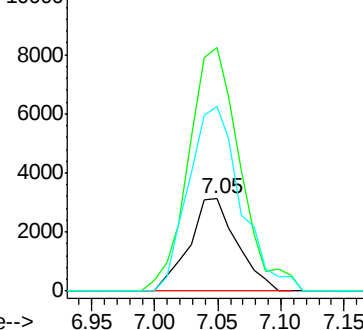
84 200.4 70.6 105.8#

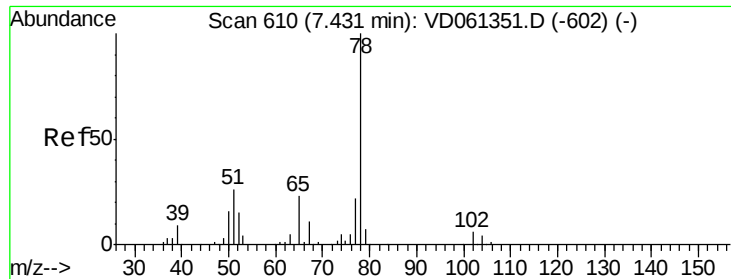


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

Instrument :

MSVOA_D

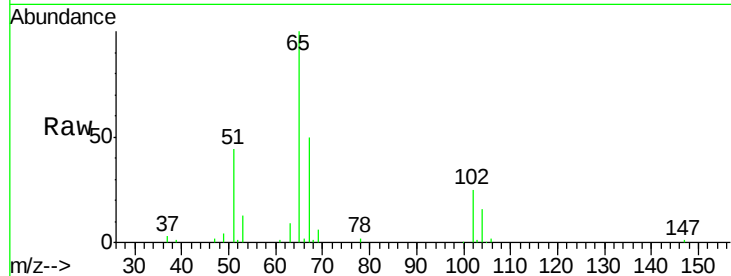
ClientSampleId :

Tot Ion: 65 Resp: 241846

Ion Ratio Lower Upper

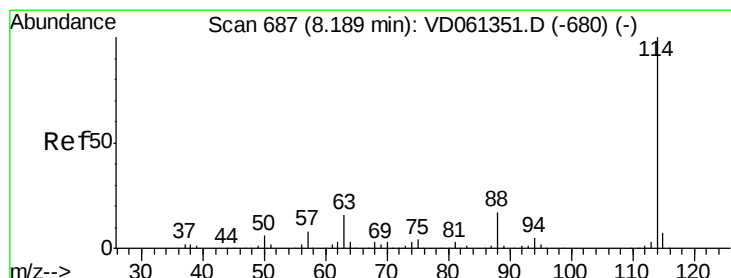
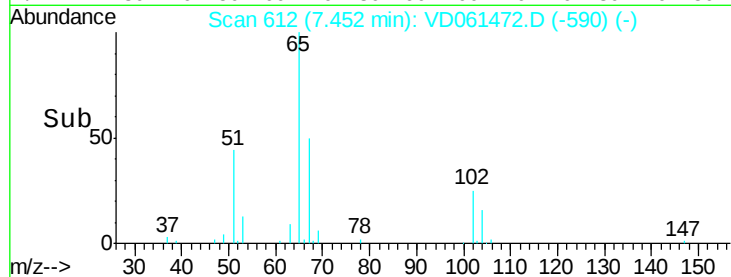
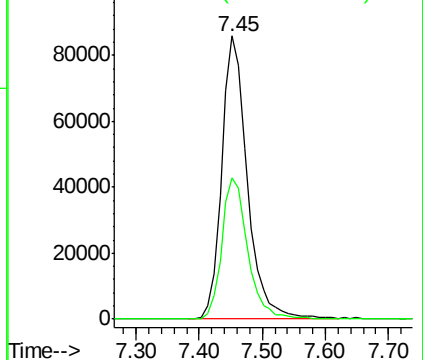
65 100

67 50.0 0.0 99.8



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: 8.22 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

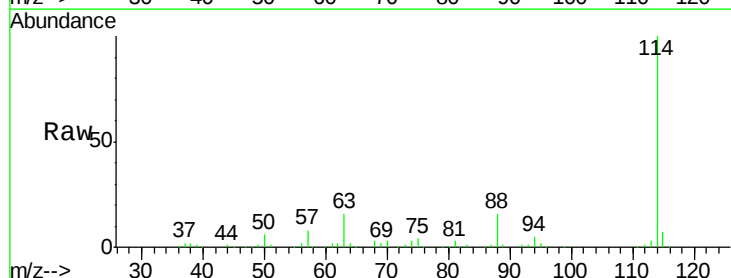
Tgt Ion: 114 Resp: 905107

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.6

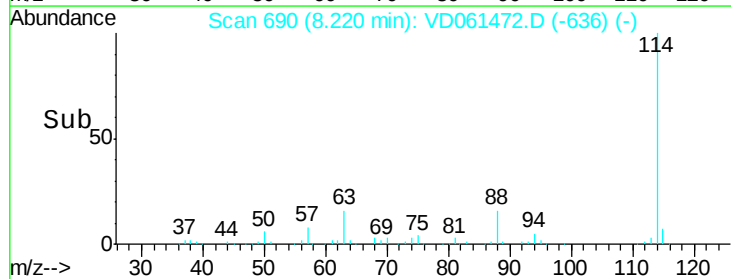
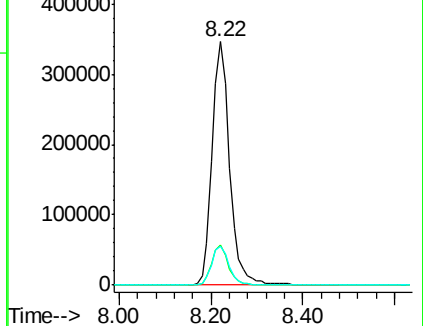
88 16.2 0.0 33.4

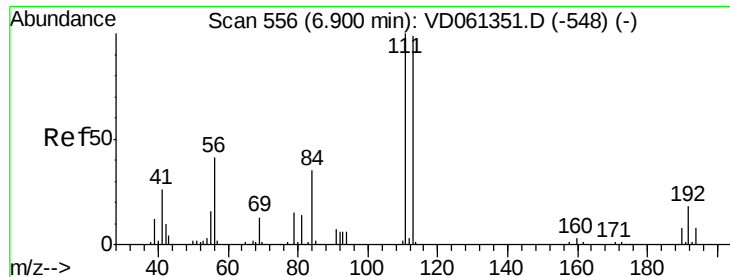


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

Instrument :

MSVOA_D

ClientSampled :

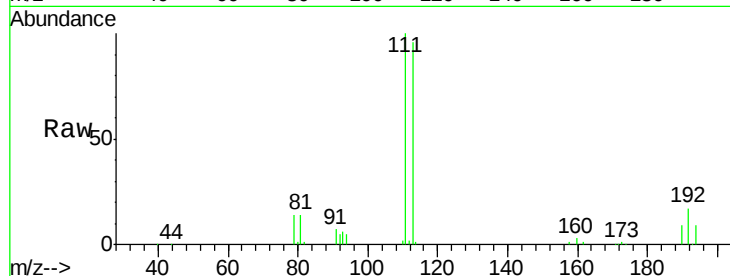
Tot Ion:113 Resp: 315675

Ion Ratio Lower Upper

113 100

111 104.2 81.0 121.6

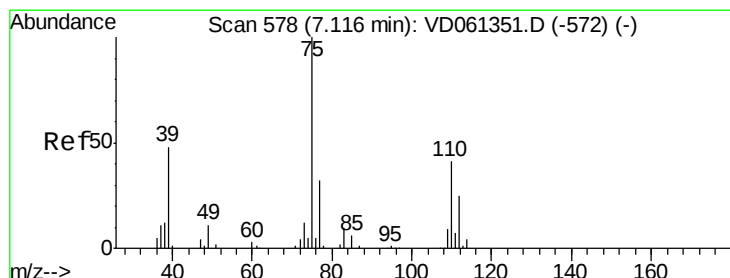
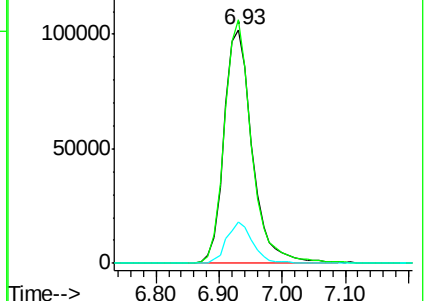
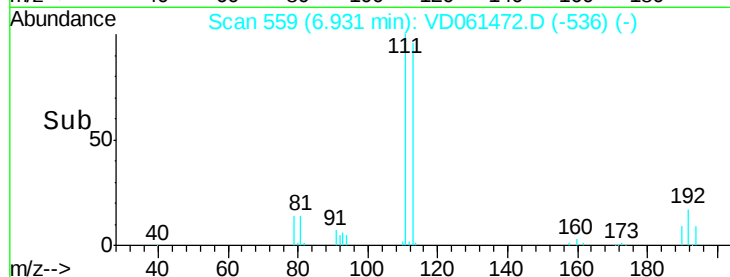
192 17.5 14.4 21.6



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: 4.679 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

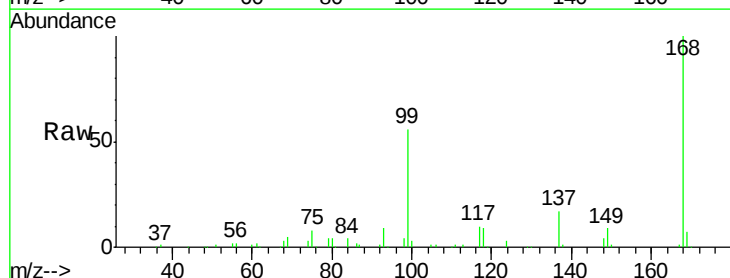
Tgt Ion: 75 Resp: 36963

Ion Ratio Lower Upper

75 100

110 6.1 20.4 61.3#

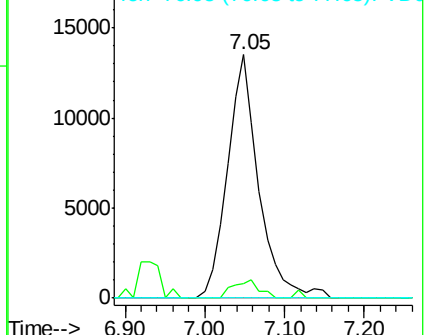
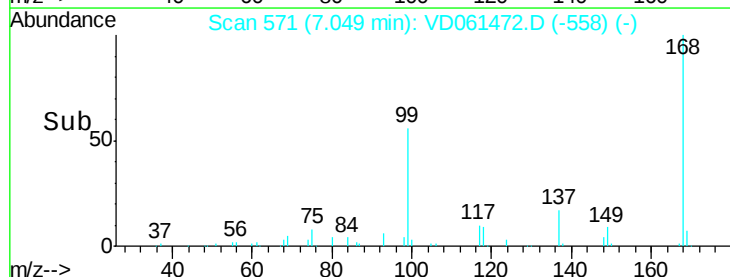
77 0.0 24.9 37.3#

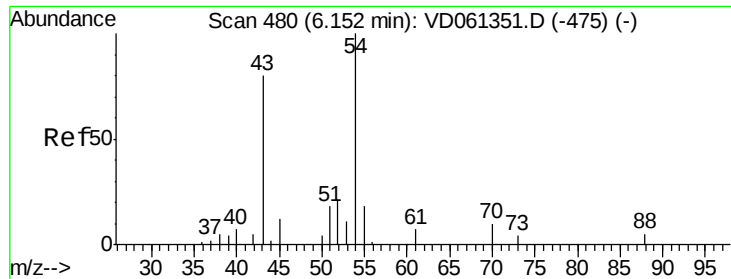


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.014 ug/l

RT: 6.12 min Scan# 477

Delta R.T. -0.03 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

Instrument :

MSVOA_D

ClientSampled :

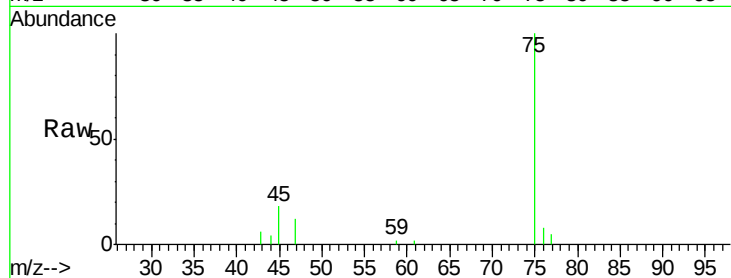
Tot Ion: 43 Resp: 3425

Ion Ratio Lower Upper

43 100

61 40.1 13.8 20.8#

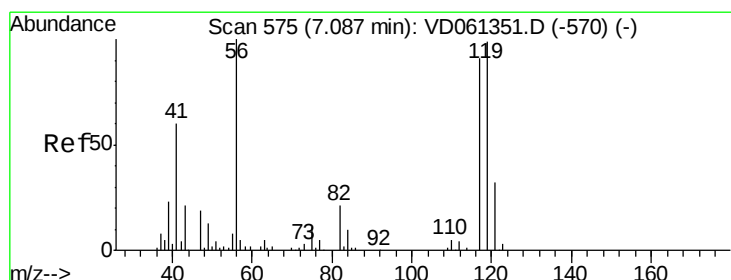
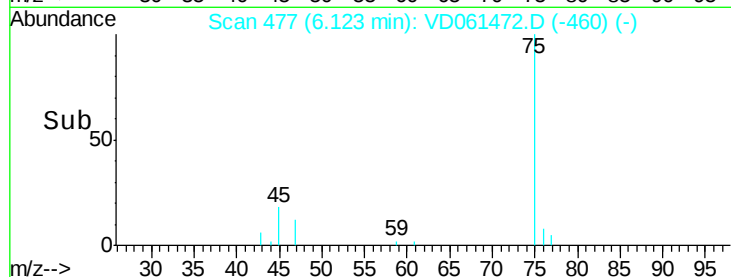
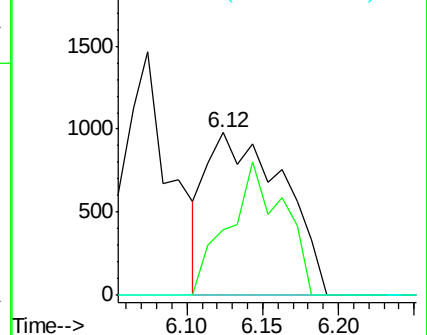
70 0.0 7.8 11.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.553 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

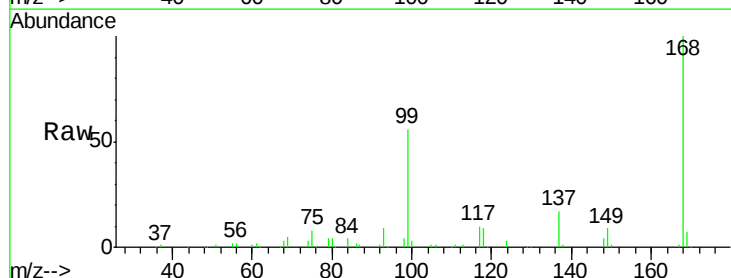
Tgt Ion: 117 Resp: 50407

Ion Ratio Lower Upper

117 100

119 4.1 80.1 120.1#

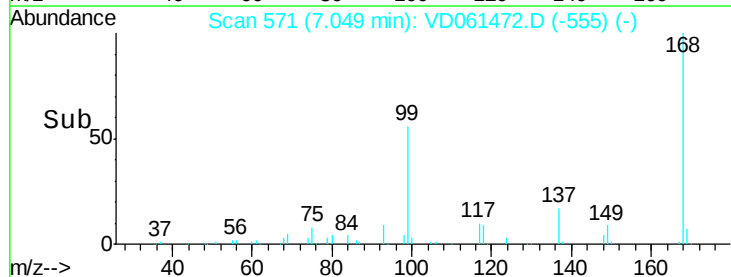
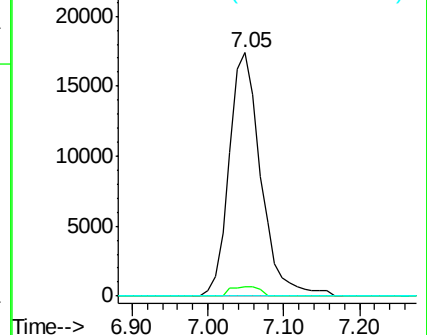
121 0.0 25.6 38.4#

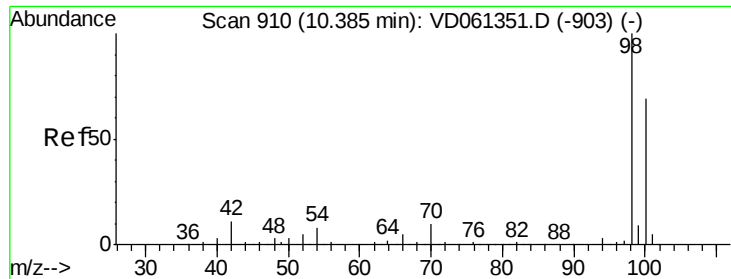


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

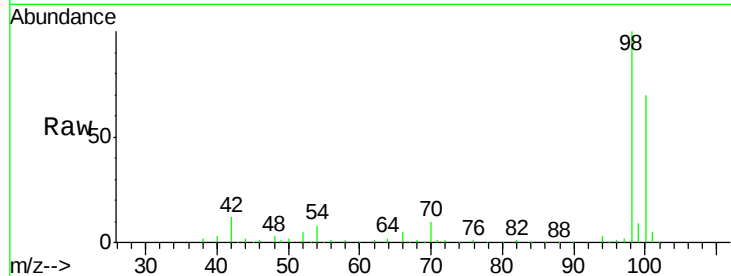




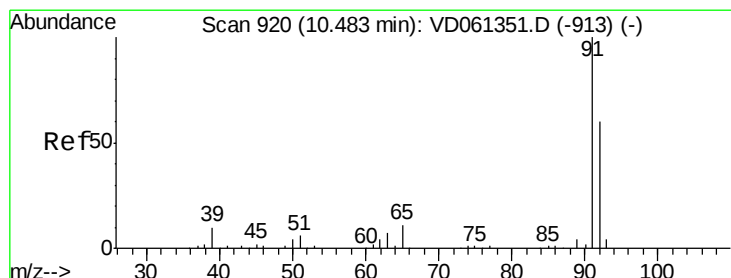
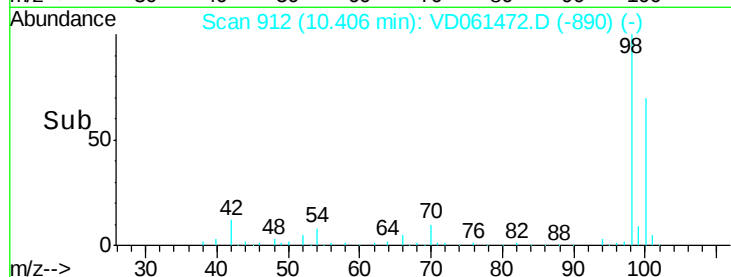
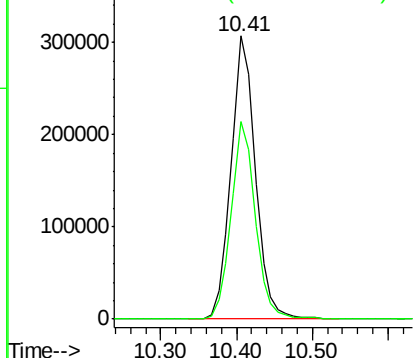
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.02 min
Lab File: VD061472.D
Acq: 1 Apr 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 683789
Ion Ratio Lower Upper
98 100
100 69.6 56.2 84.2

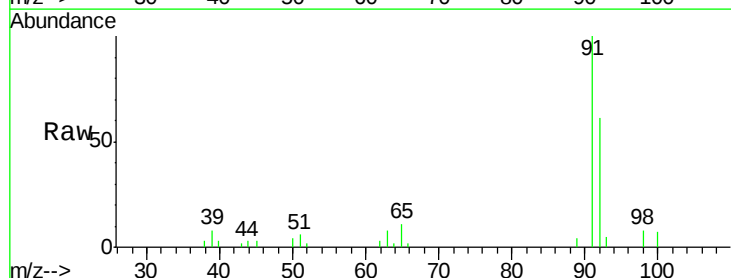


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

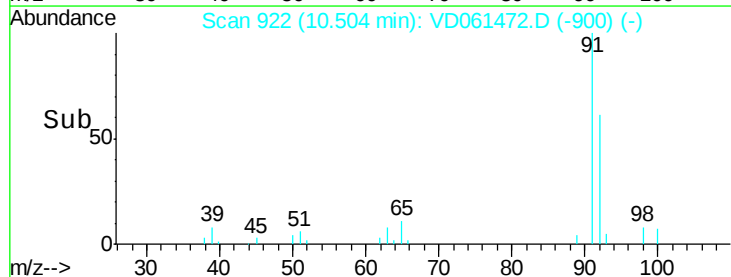
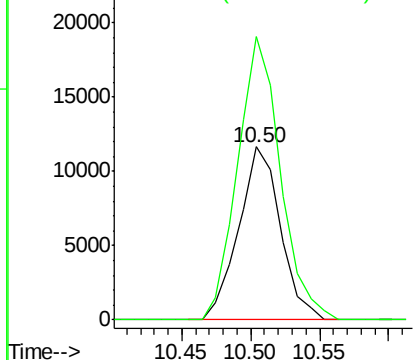


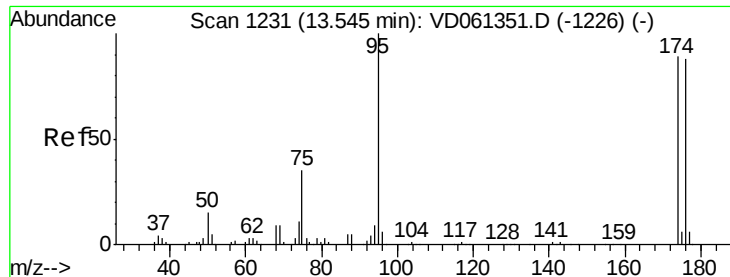
#52
Toluene
Concen: 2.034 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.02 min
Lab File: VD061472.D
Acq: 1 Apr 2019 16:54

Tgt Ion: 92 Resp: 24603
Ion Ratio Lower Upper
92 100
91 163.8 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

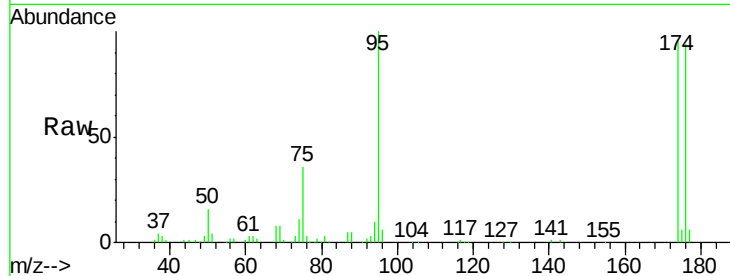




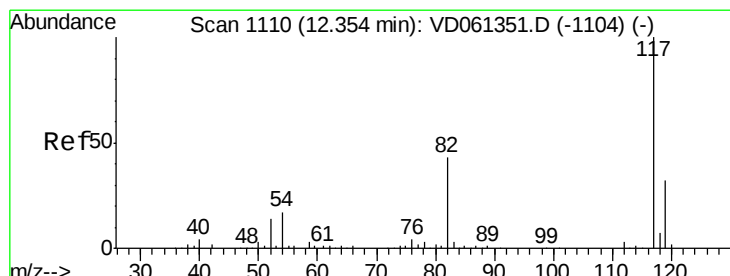
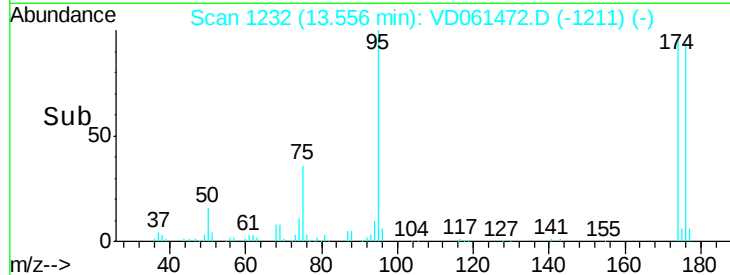
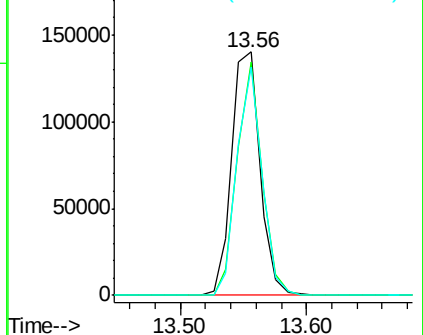
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061472.D
Acq: 1 Apr 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 216340
Ion Ratio Lower Upper
95 100
174 95.7 0.0 178.0
176 93.7 0.0 175.0

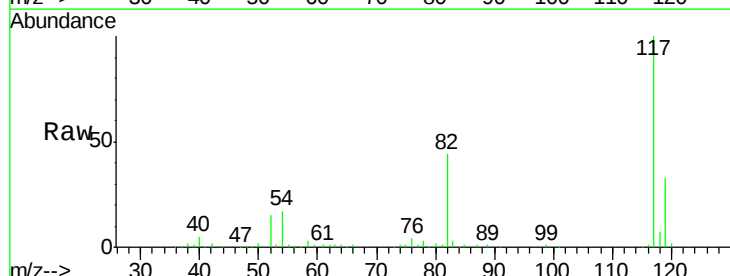


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

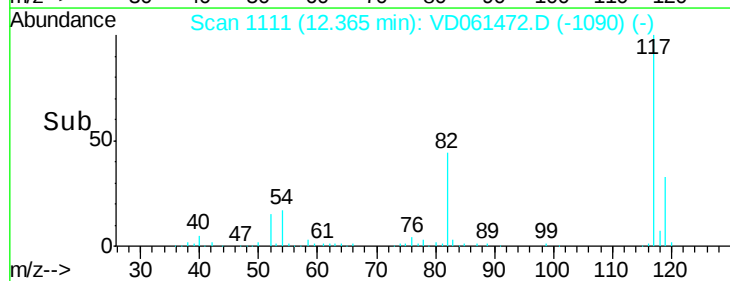
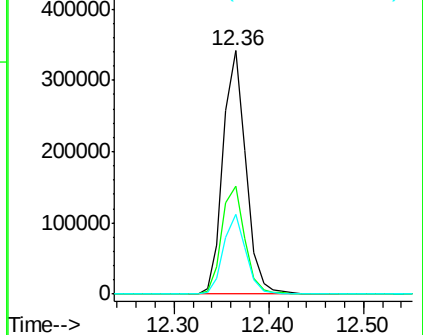


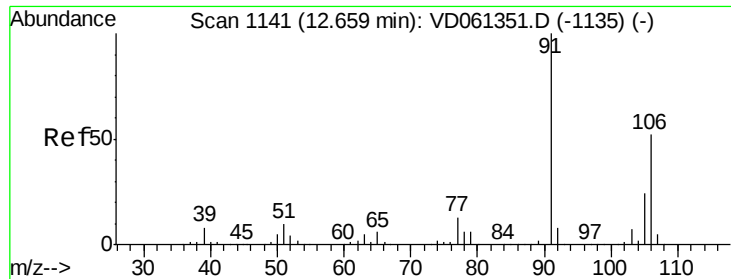
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061472.D
Acq: 1 Apr 2019 16:54

Tgt Ion: 117 Resp: 569374
Ion Ratio Lower Upper
117 100
82 44.2 34.4 51.6
119 33.0 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

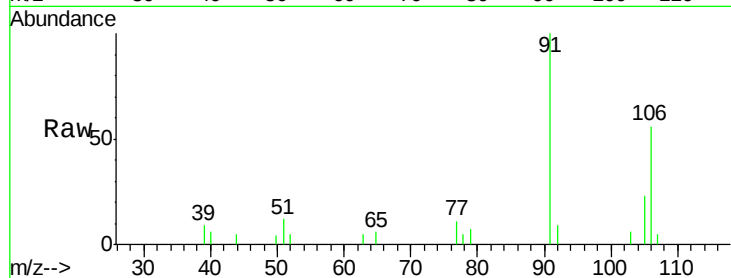




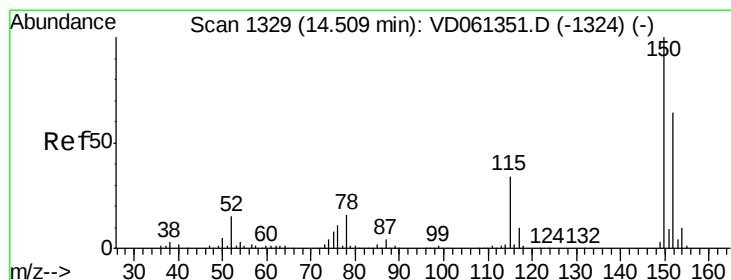
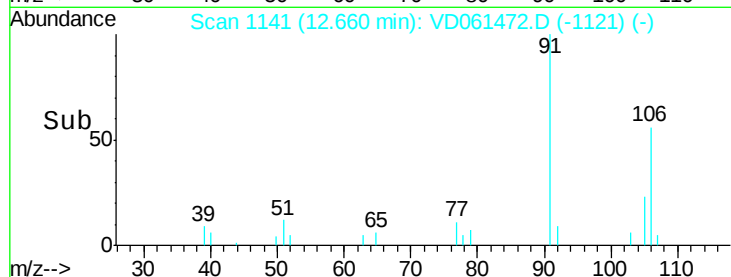
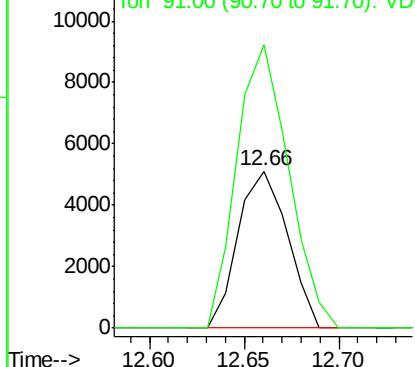
#68
m/p-Xvlenes
Concen: 1.373 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD061472.D
Acq: 1 Apr 2019 16:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 9240
Ion Ratio Lower Upper
106 100
91 180.1 153.1 229.7

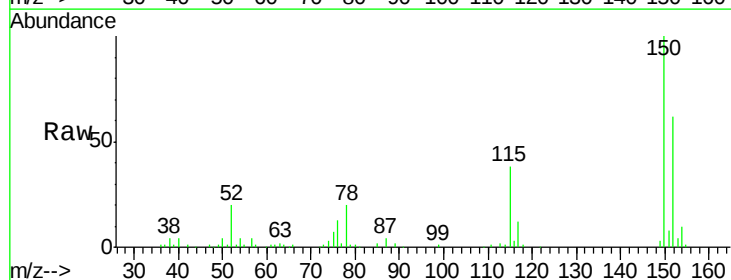


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

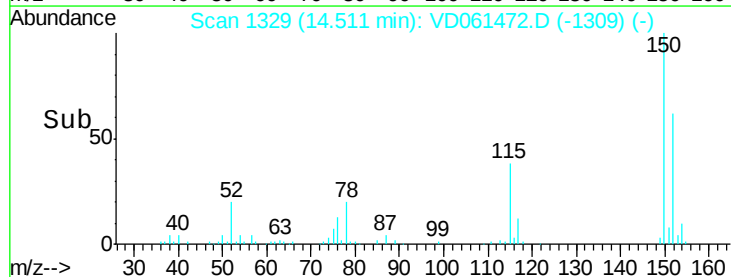
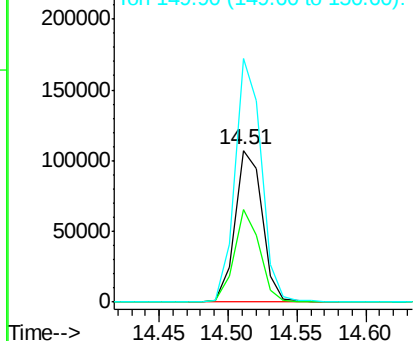


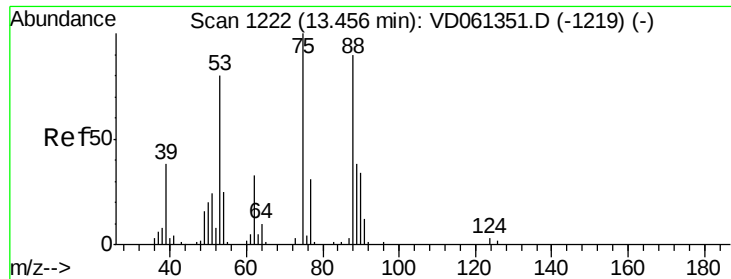
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061472.D
Acq: 1 Apr 2019 16:54

Tgt Ion:152 Resp: 147869
Ion Ratio Lower Upper
152 100
115 60.8 26.9 80.6
150 160.3 0.0 318.0



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: 124.919 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.09 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

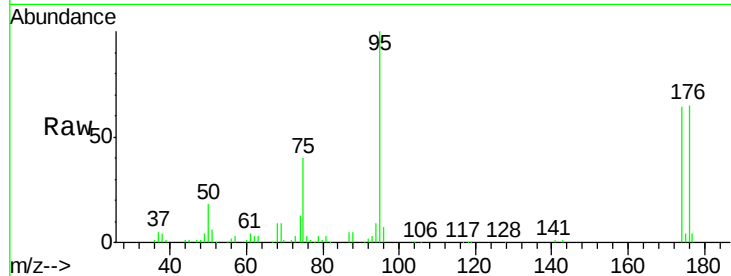
Tot Ion: 75 Resp: 81356

Ion Ratio Lower Upper

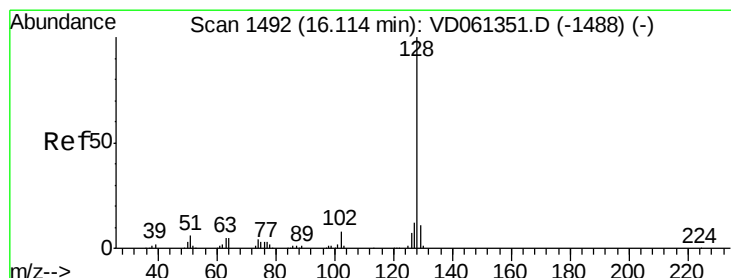
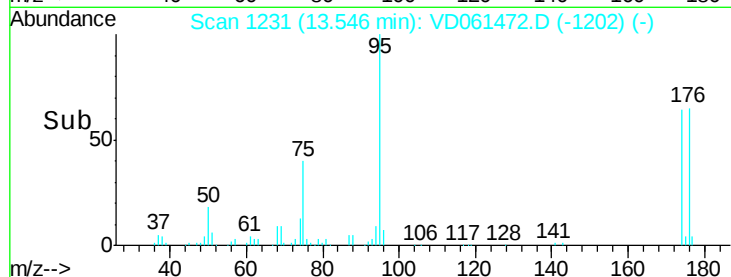
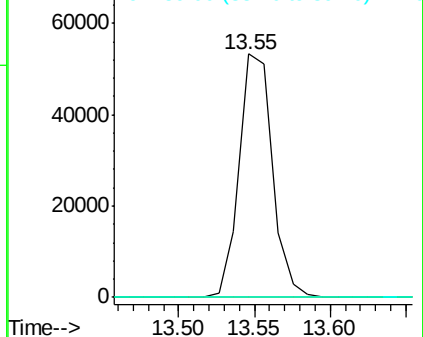
75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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: 1.437 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VD061472.D

Acq: 1 Apr 2019 16:54

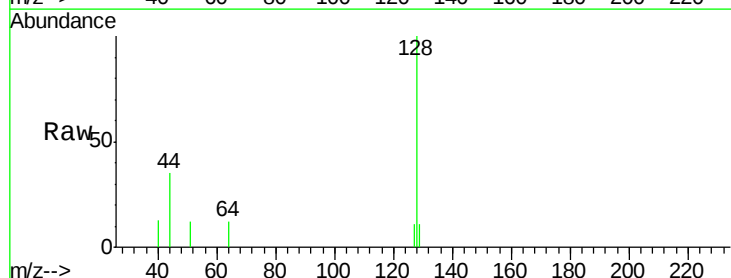
Tgt Ion: 128 Resp: 4228

Ion Ratio Lower Upper

128 100

127 11.3 9.9 14.9

129 11.1 8.9 13.3



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

