

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061505.D
 Acq On : 2 Apr 2019 9:57
 Operator : VA/AP
 Sample : K2179-06
 Misc : 5.57g/5ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 00:44:50 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	7.03	168	184190	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	388297	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	373803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	160240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	138614	88.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	176.20%	
35) Dibromofluoromethane	6.90	113	169504	57.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.24%	
50) Toluene-d8	10.39	98	334628	47.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	13.55	95	149541	54.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.58%	

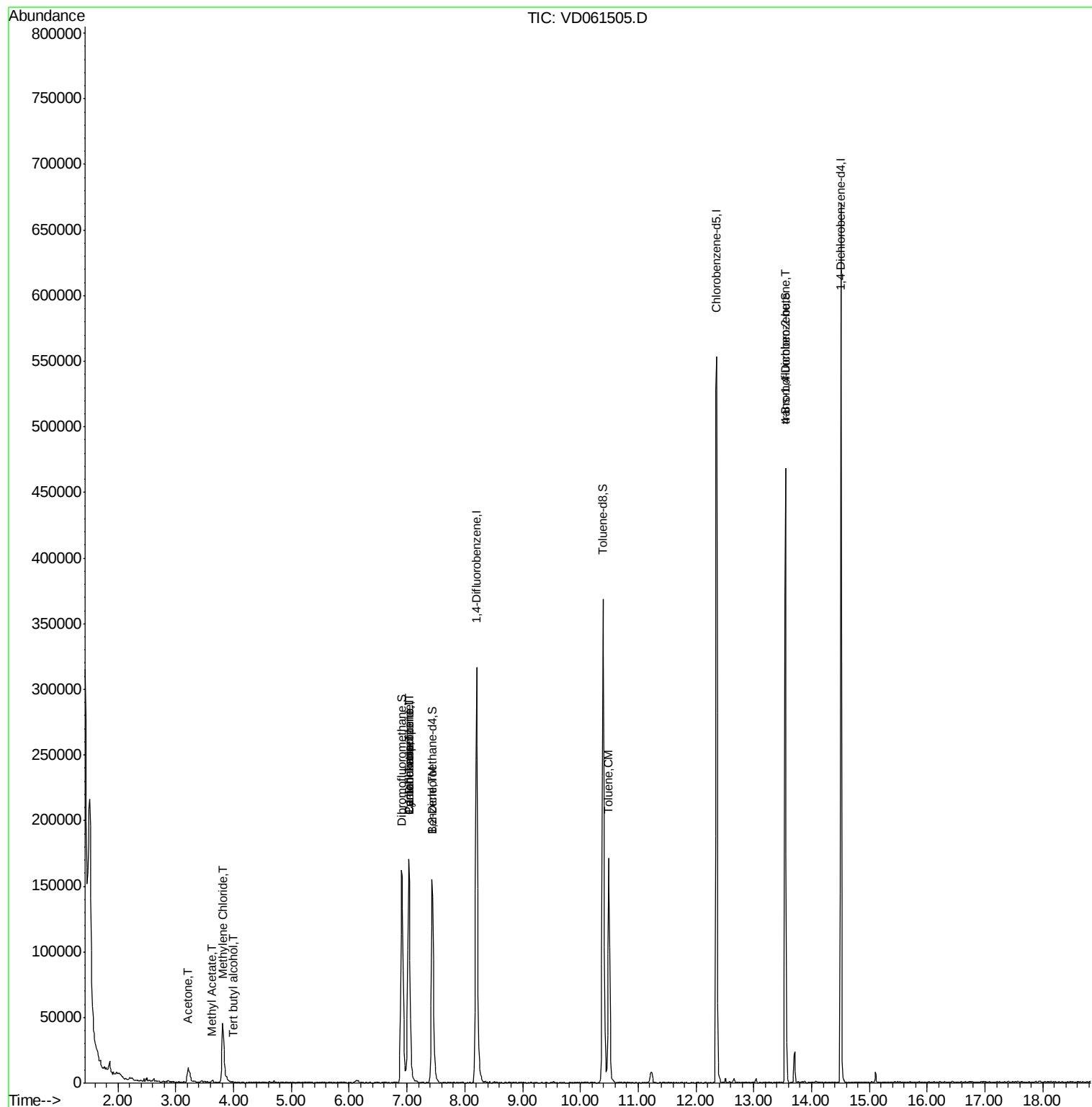
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	179	1.827	ug/l #	76
16) Acetone	3.21	43	23006	56.879	ug/l	94
18) Methyl Acetate	3.64	43	2031	2.388	ug/l #	55
20) Methylene Chloride	3.81	84	36763	14.876	ug/l	94
31) Cyclohexane	7.03	56	3065	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	12782	3.772	ug/l #	38
38) Carbon Tetrachloride	7.03	117	17377	4.462	ug/l #	10
40) Benzene	7.44	78	16588	1.950	ug/l #	89
52) Toluene	10.49	92	98717	19.025	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.55	75	54859	77.731	ug/l #	18

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

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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: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061505.D

Acq: 2 Apr 2019 9:57

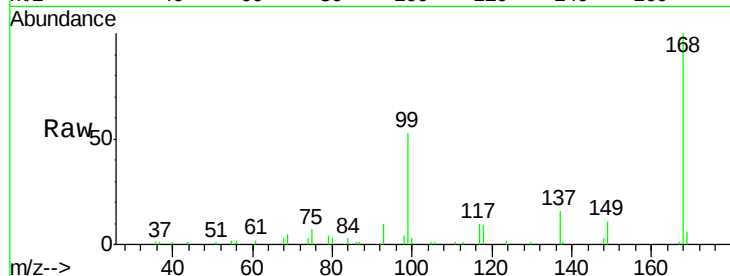
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 184190

Ion Ratio Lower Upper

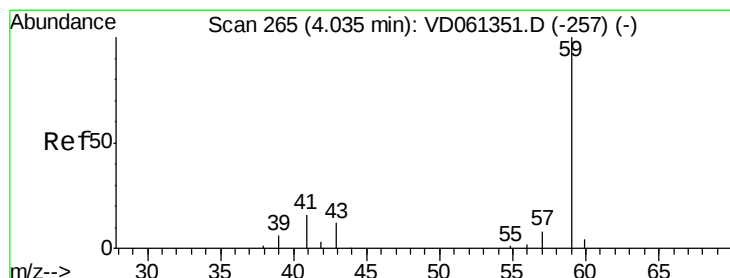
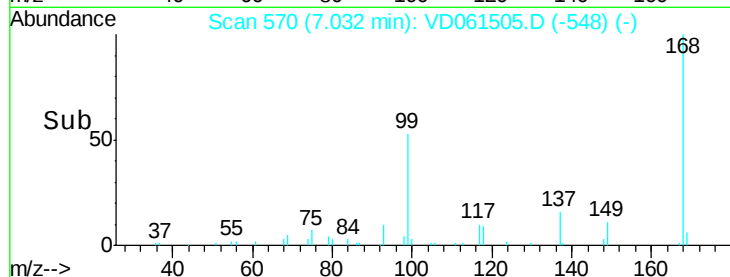
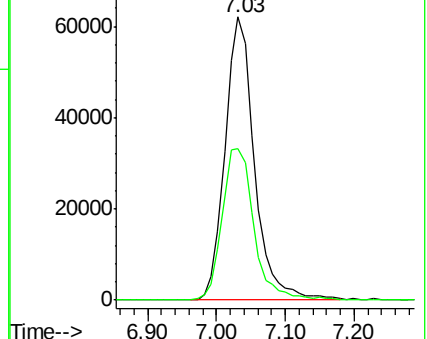
168 100

99 53.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.827 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.05 min

Lab File: VD061505.D

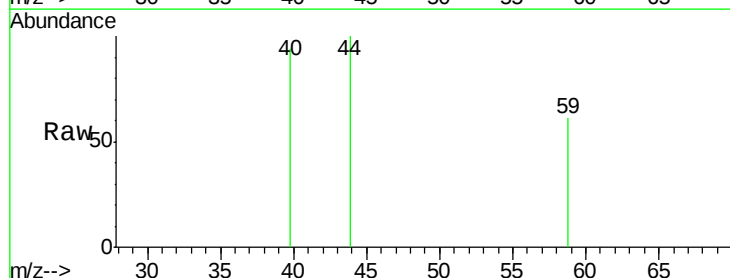
Acq: 2 Apr 2019 9:57

Tgt Ion: 59 Resp: 179

Ion Ratio Lower Upper

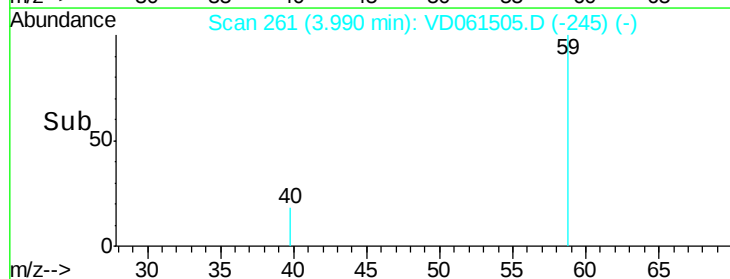
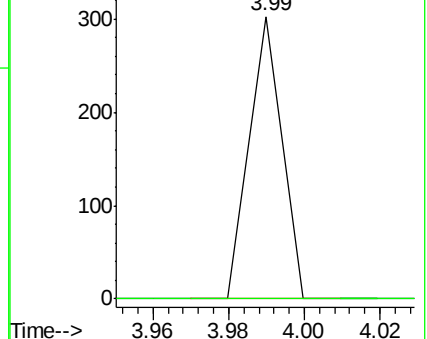
59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

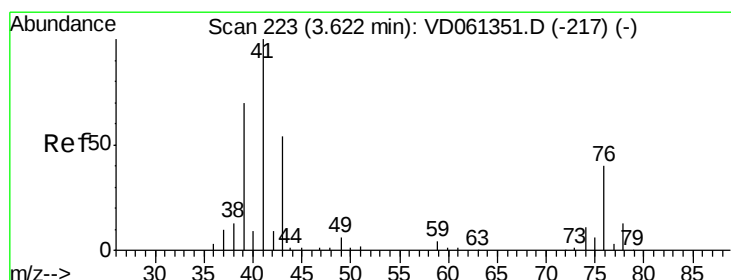
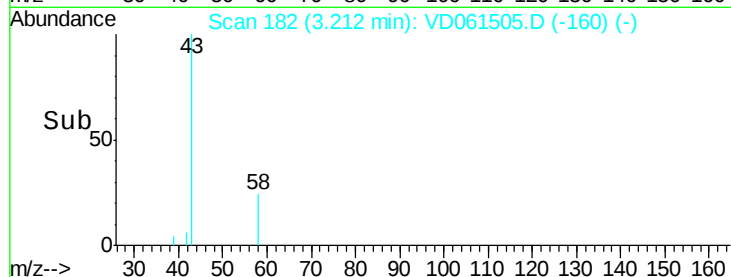
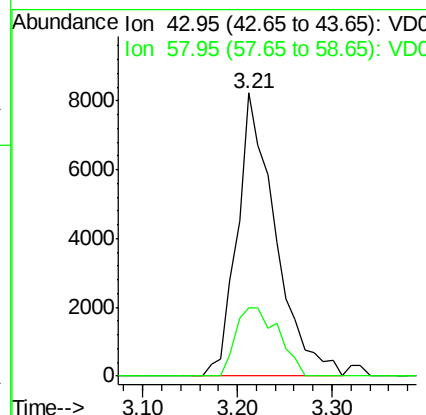
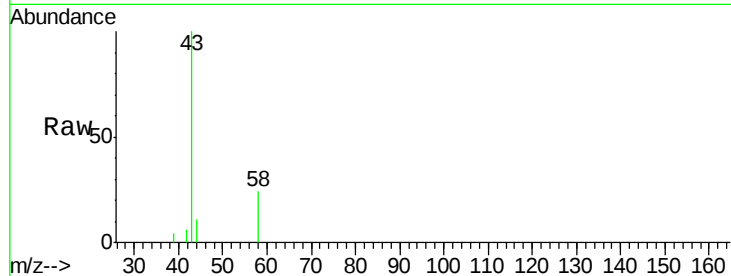




#16
Acetone
Concen: 56.879 ug/l
RT: 3.21 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD061505.D
Acq: 2 Apr 2019 9:57

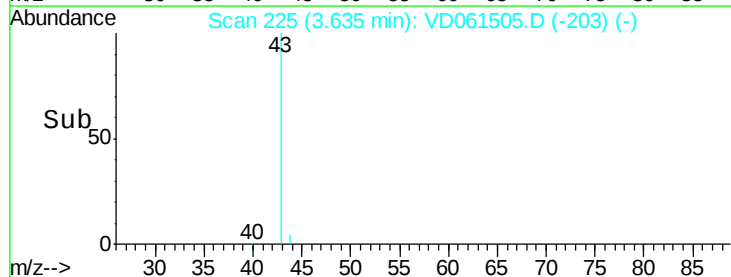
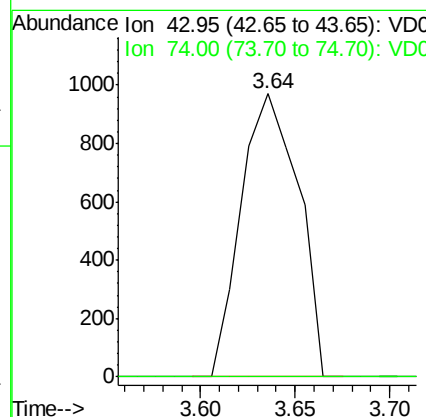
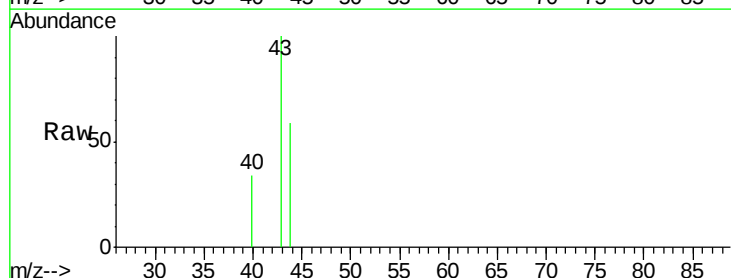
Instrument :
MSVOA_D
ClientSampleId :

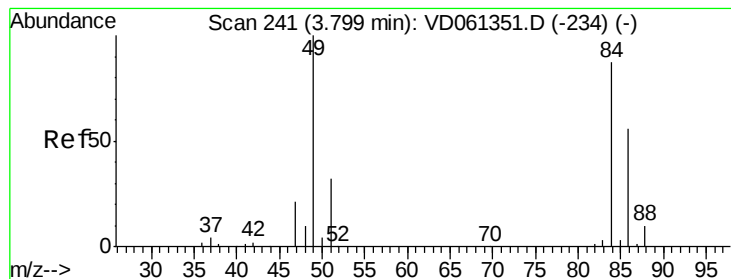
Tot Ion: 43 Resp: 23006
Ion Ratio Lower Upper
43 100
58 24.0 21.5 32.3



#18
Methyl Acetate
Concen: 2.388 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061505.D
Acq: 2 Apr 2019 9:57

Tgt Ion: 43 Resp: 2031
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





#20

Methylene Chloride

Concen: 14.876 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061505.D

Acq: 2 Apr 2019 9:57

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 36763

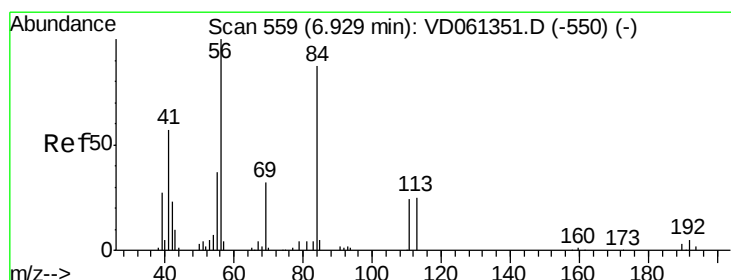
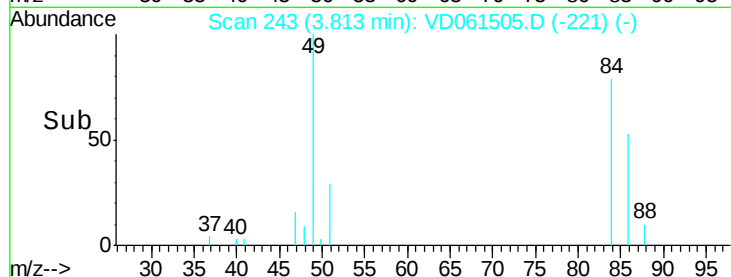
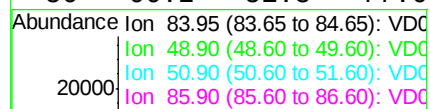
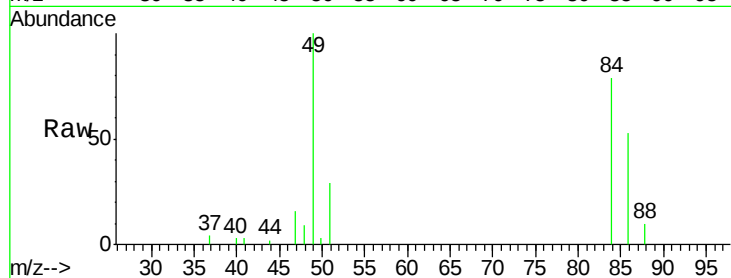
Ion Ratio Lower Upper

84 100

49 126.0 91.8 137.8

51 36.4 29.8 44.8

86 66.2 51.8 77.6



#31

Cyclohexane

Concen: 1.131 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD061505.D

Acq: 2 Apr 2019 9:57

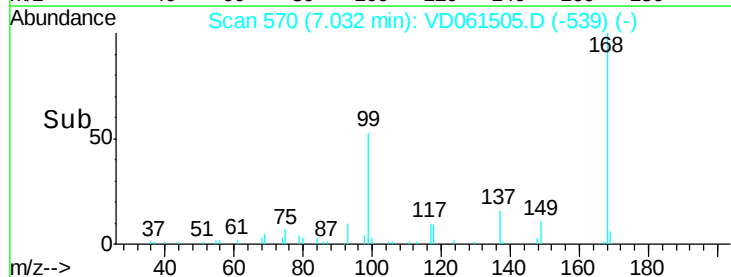
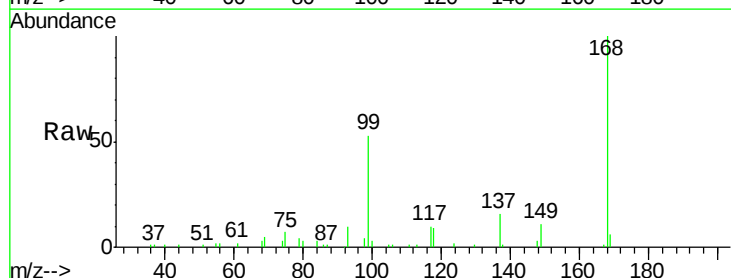
Tgt Ion: 56 Resp: 3065

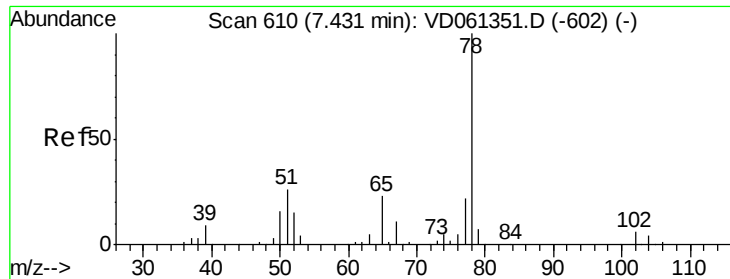
Ion Ratio Lower Upper

56 100

69 214.4 25.7 38.5#

84 137.0 70.6 105.8#

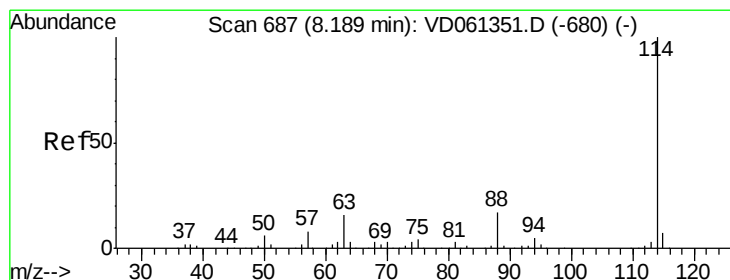
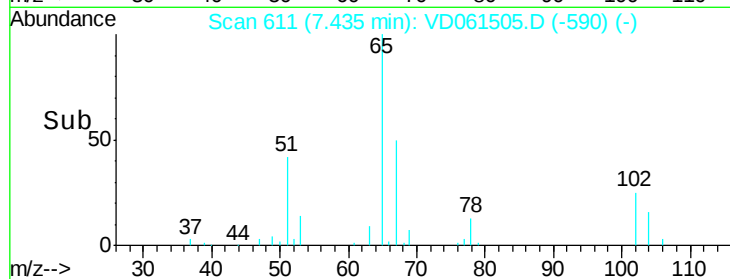
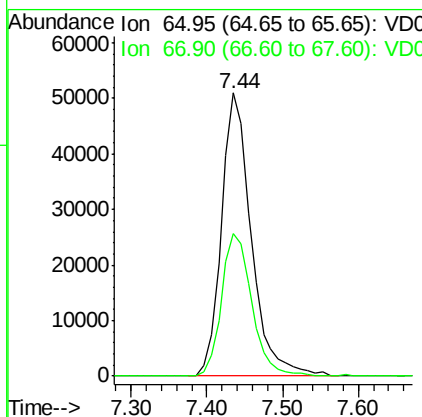
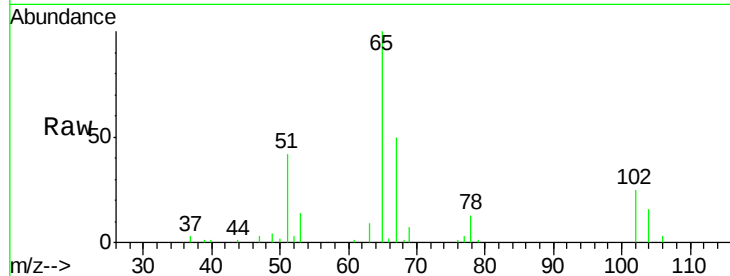




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD061505.D
 Acq: 2 Apr 2019 9:57

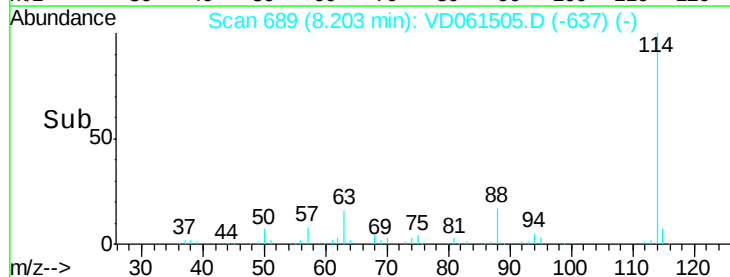
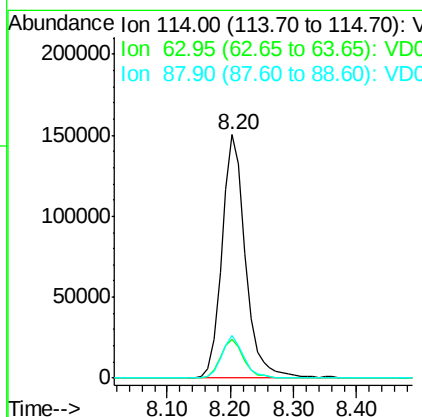
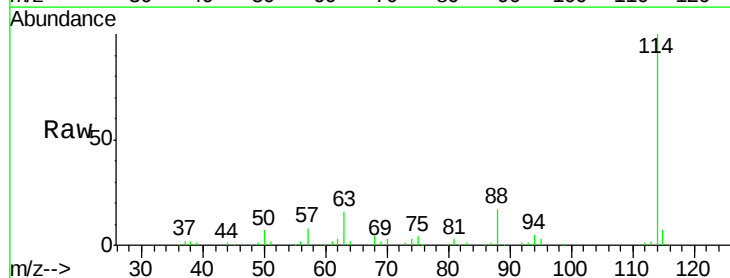
Instrument :
 MSVOA_D
 ClientSampleId :

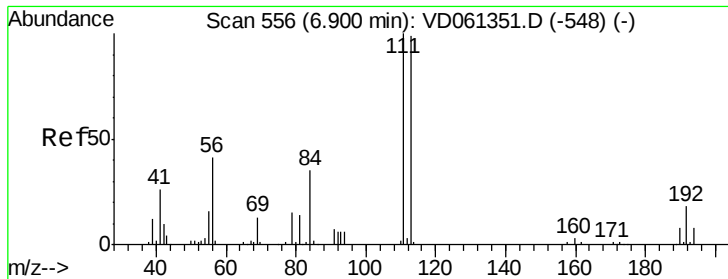
Tot Ion: 65 Resp: 138614
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061505.D
 Acq: 2 Apr 2019 9:57

Tgt Ion: 114 Resp: 388297
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.6
 88 17.5 0.0 33.4

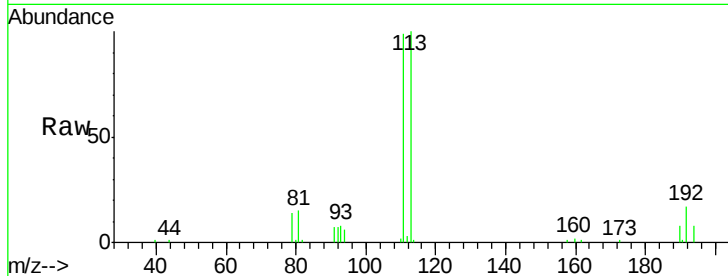




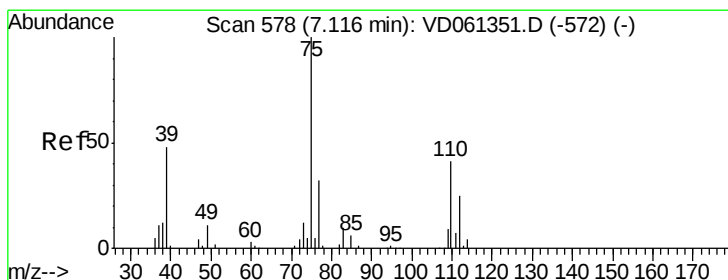
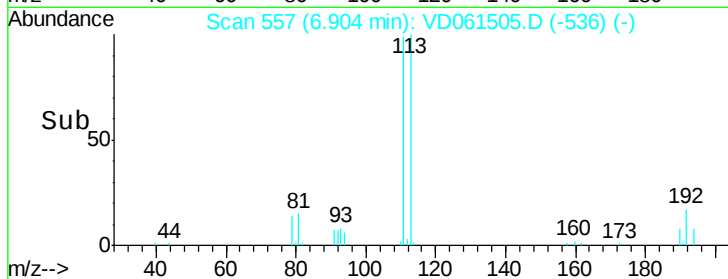
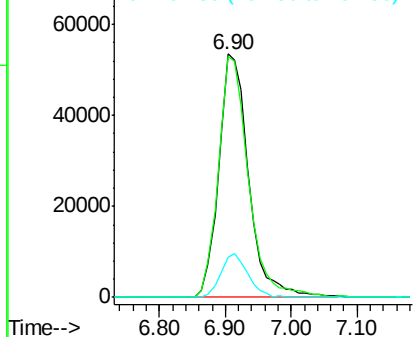
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.90 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD061505.D
Acq: 2 Apr 2019 9:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 169504
Ion Ratio Lower Upper
113 100
111 99.0 81.0 121.6
192 16.6 14.4 21.6

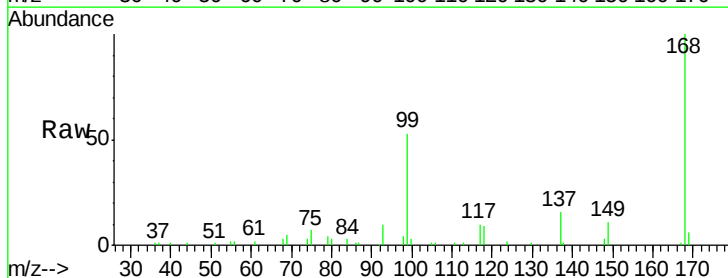


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

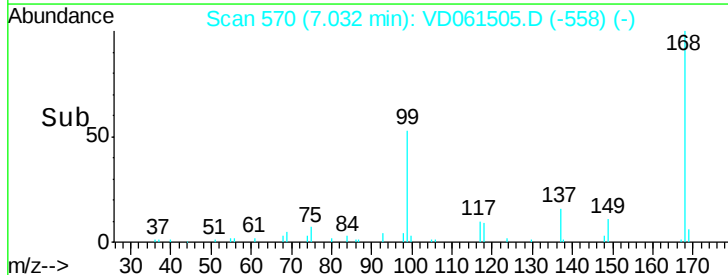
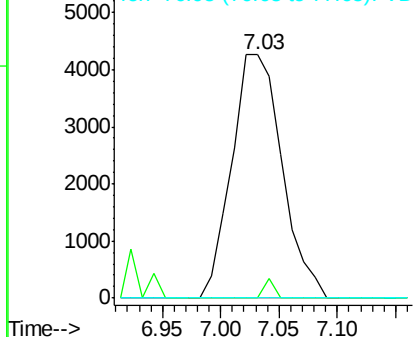


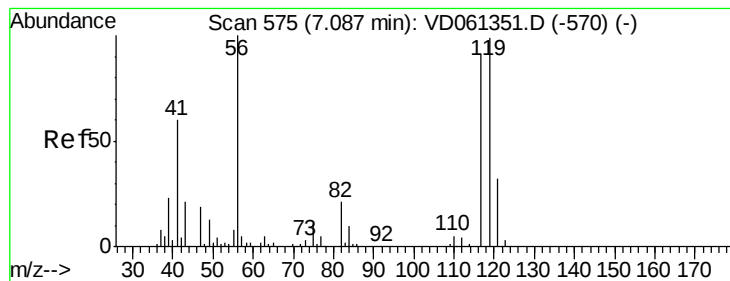
#36
1,1-Dichloropropene
Concen: 3.772 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061505.D
Acq: 2 Apr 2019 9:57

Tgt Ion: 75 Resp: 12782
Ion Ratio Lower Upper
75 100
110 0.0 20.4 61.3#
77 0.0 24.9 37.3#



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





#38

Carbon Tetrachloride

Concen: 4.462 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD061505.D

Acq: 2 Apr 2019 9:57

Instrument :

MSVOA_D

ClientSampled :

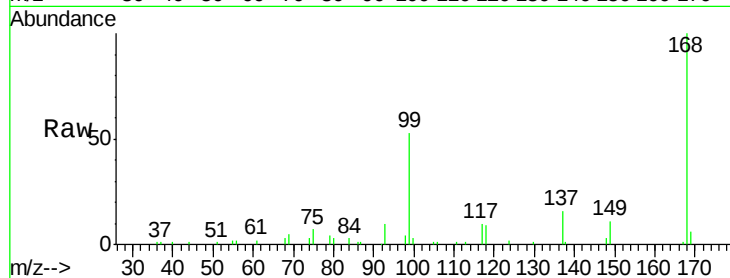
Tot Ion:117 Resp: 17377

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

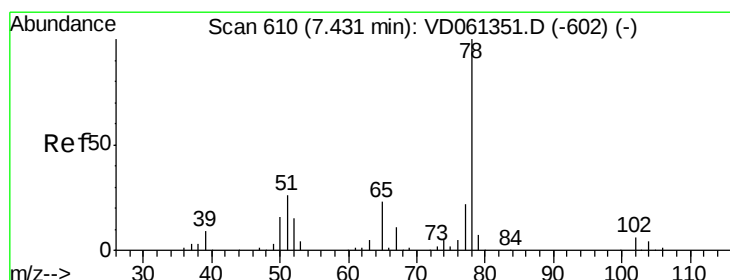
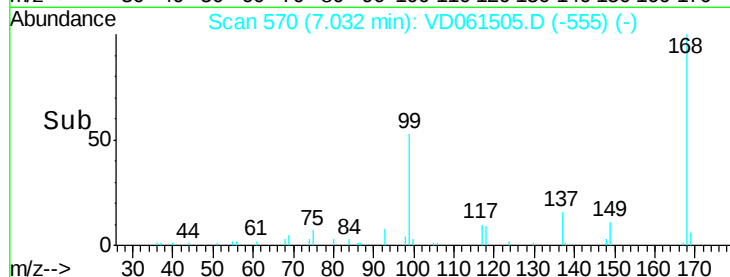
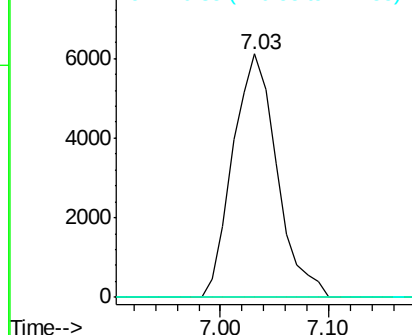
121 0.0 25.6 38.4#



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



#40

Benzene

Concen: 1.950 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD061505.D

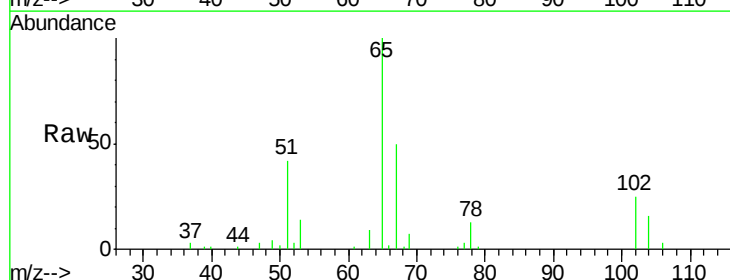
Acq: 2 Apr 2019 9:57

Tgt Ion: 78 Resp: 16588

Ion Ratio Lower Upper

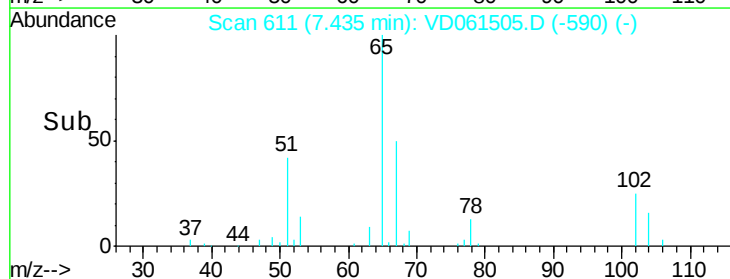
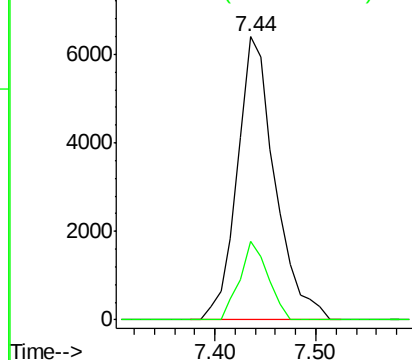
78 100

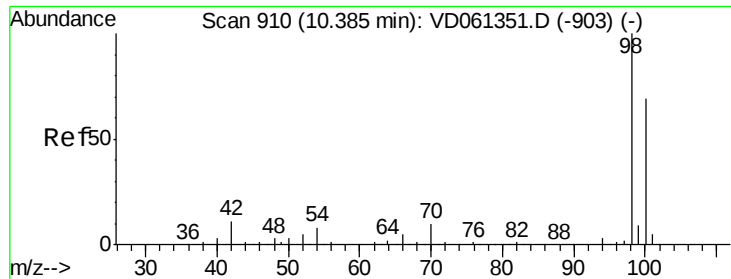
77 27.5 17.8 26.6#



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

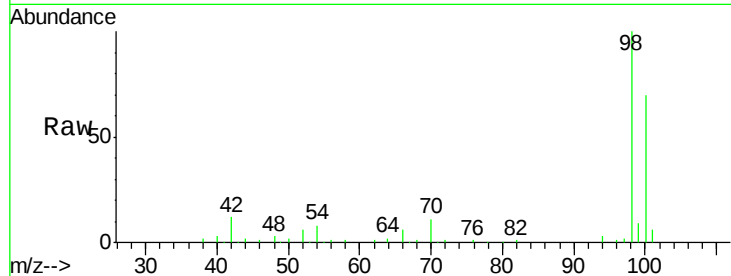




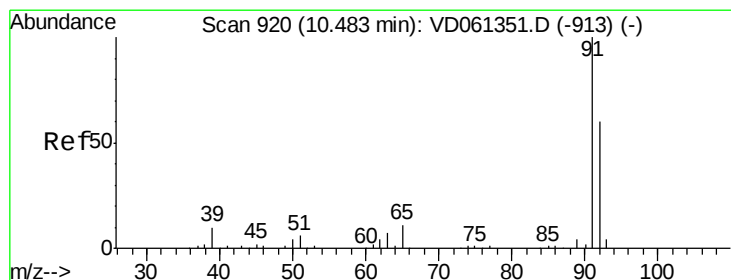
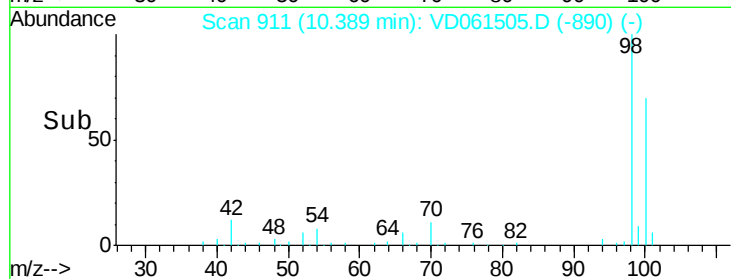
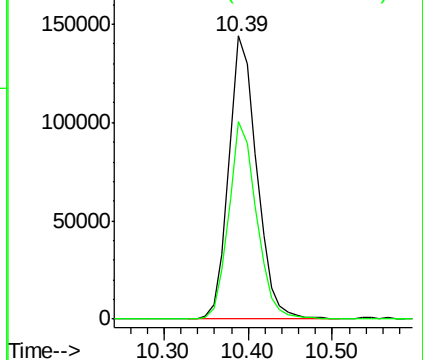
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD061505.D
Acq: 2 Apr 2019 9:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 334628
Ion Ratio Lower Upper
98 100
100 69.7 56.2 84.2

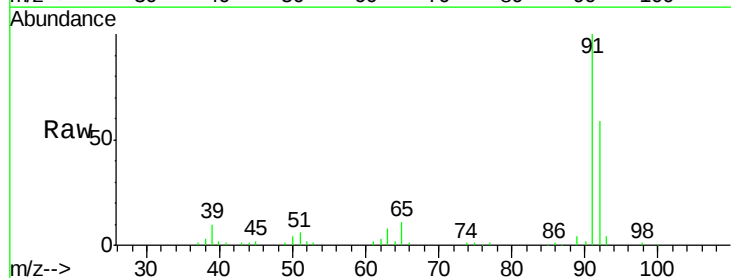


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

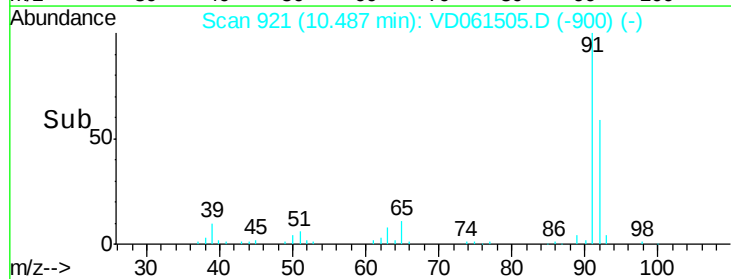
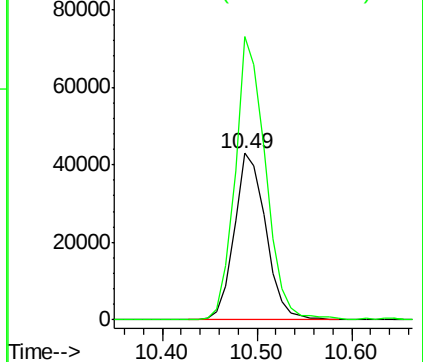


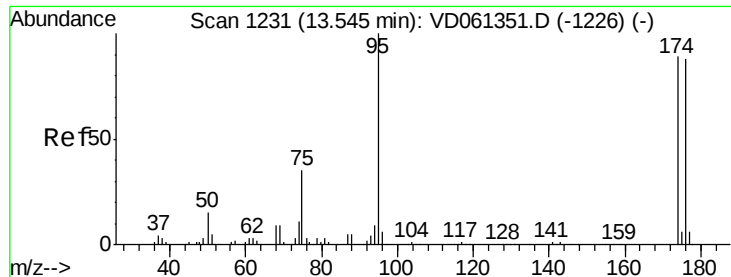
#52
Toluene
Concen: 19.025 ug/l
RT: 10.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: VD061505.D
Acq: 2 Apr 2019 9:57

Tgt Ion: 92 Resp: 98717
Ion Ratio Lower Upper
92 100
91 170.2 133.3 199.9



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

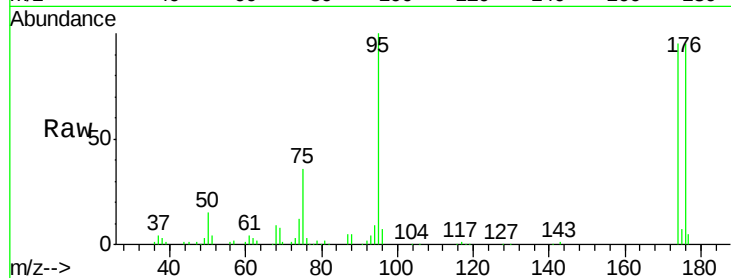




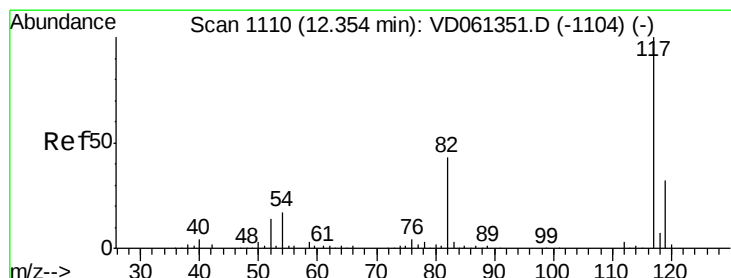
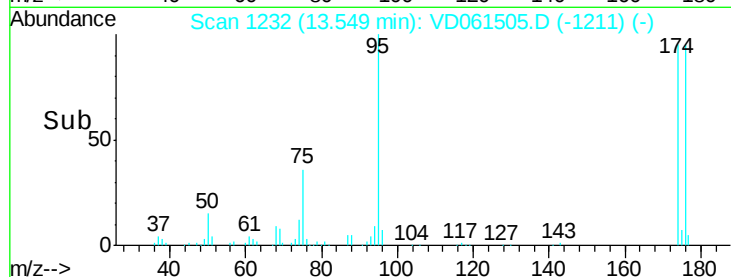
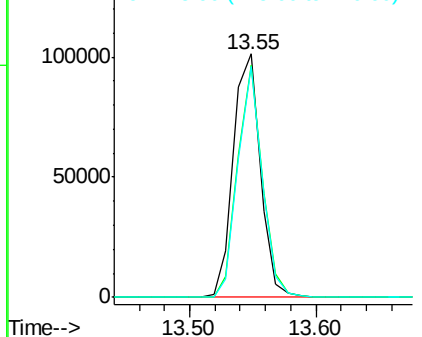
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061505.D
Acq: 2 Apr 2019 9:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 149541
Ion Ratio Lower Upper
95 100
174 95.4 0.0 178.0
176 94.8 0.0 175.0

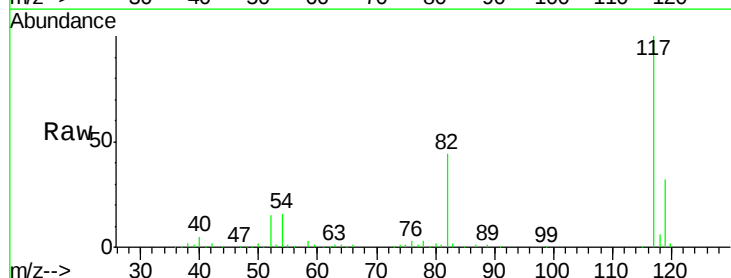


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

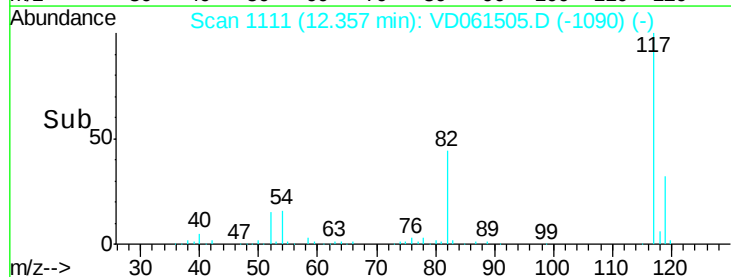
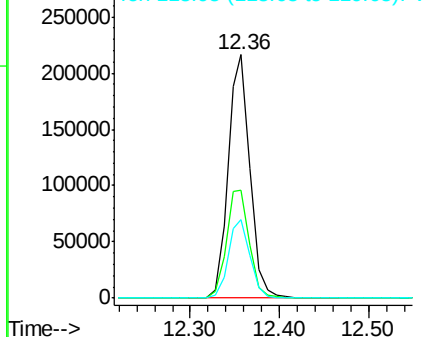


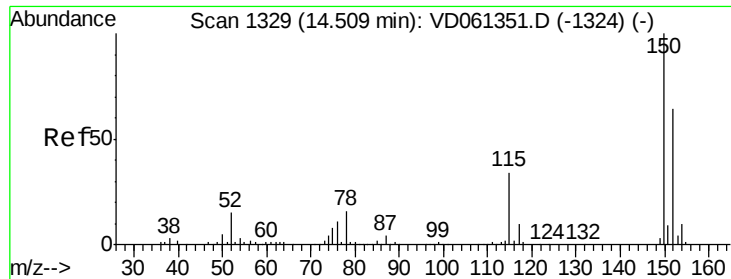
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061505.D
Acq: 2 Apr 2019 9:57

Tgt Ion: 117 Resp: 373803
Ion Ratio Lower Upper
117 100
82 44.5 34.4 51.6
119 32.4 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



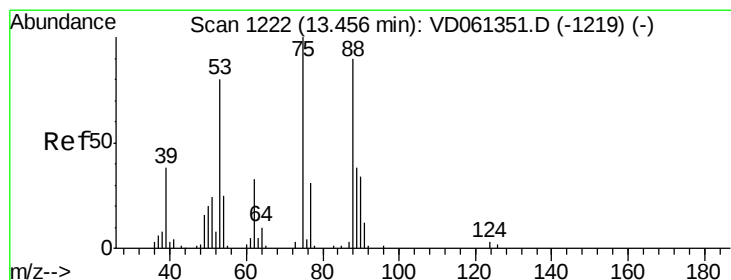
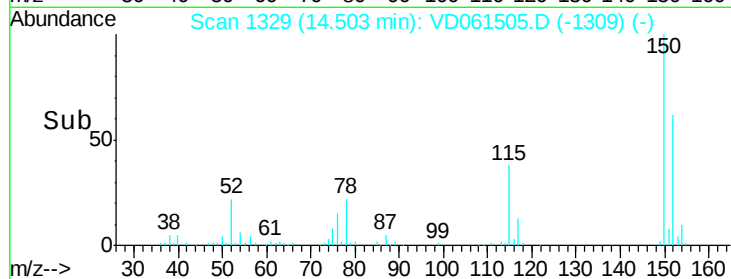
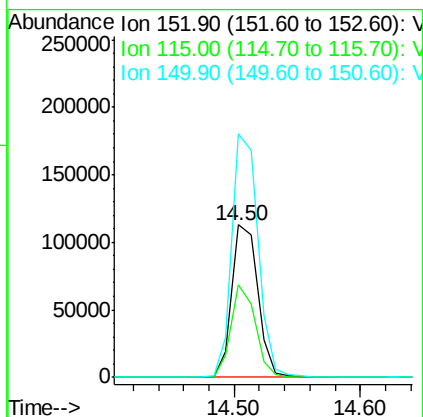
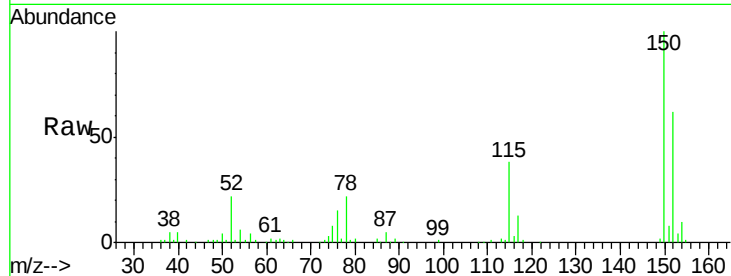


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061505.D
Acq: 2 Apr 2019 9:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 160240
Ion Ratio Lower Upper
152 100
115 61.1 26.9 80.6
150 160.0 0.0 318.0



#81

trans-1,4-Dichloro-2-butene
Concen: 77.731 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.09 min
Lab File: VD061505.D
Acq: 2 Apr 2019 9:57

Tgt Ion: 75 Resp: 54859
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.8#
89 0.0 30.5 45.7#

