

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061473.D
 Acq On : 1 Apr 2019 17:24
 Operator : VA/AP
 Sample : K2178-08
 Misc : 5.28g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:19:13 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	528560	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	885682	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	627689	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	166876	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	205656	45.55	ug/l	0.02
Spiked Amount			Recovery	=	91.10%	
35) Dibromofluoromethane	6.92	113	337854	49.92	ug/l	0.02
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	10.41	98	657929	40.53	ug/l	0.02
Spiked Amount			Recovery	=	81.06%	
62) 4-Bromofluorobenzene	13.55	95	201087	32.30	ug/l	0.00
Spiked Amount			Recovery	=	64.60%	

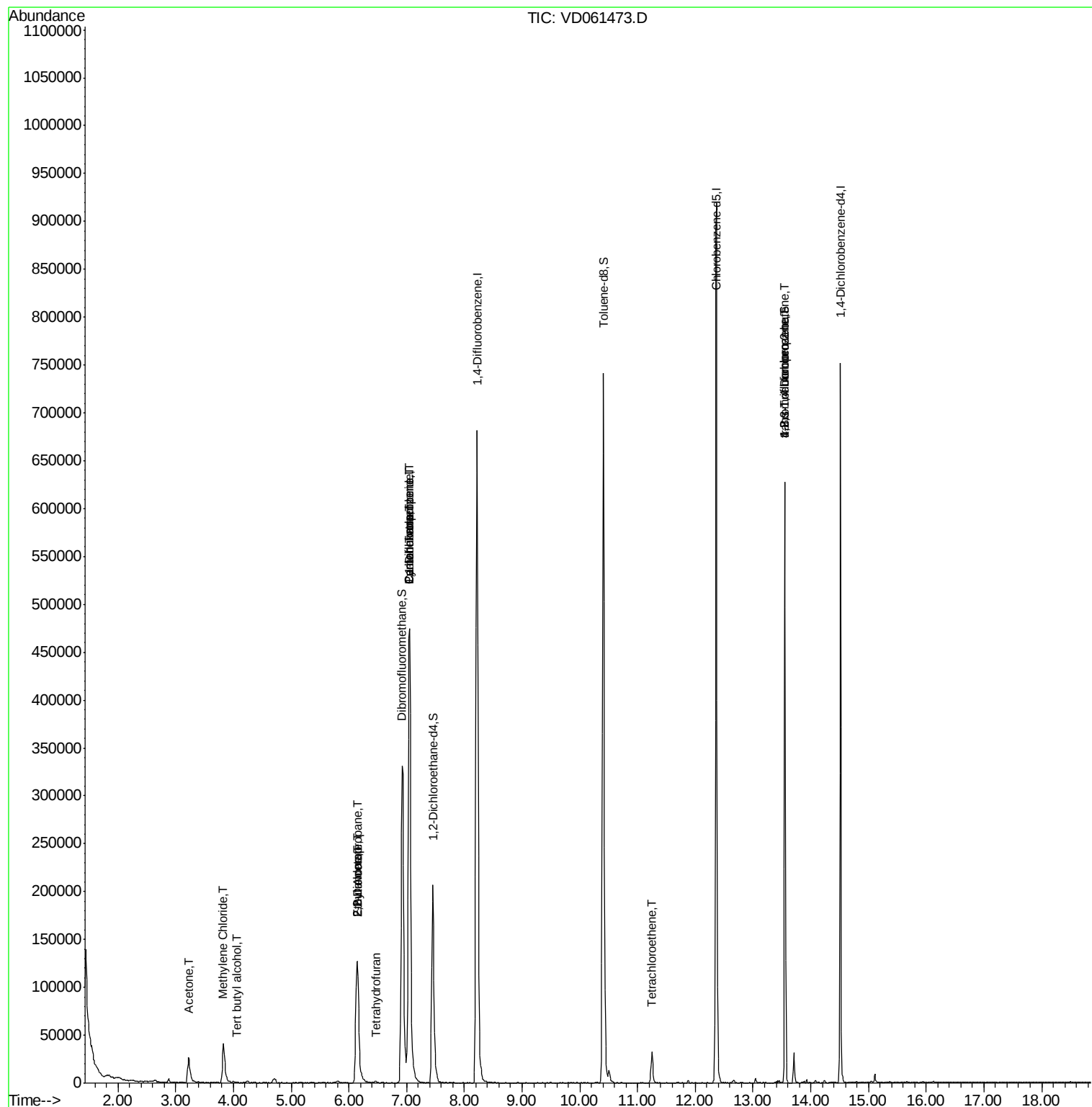
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	688	2.447	ug/l #	76
16) Acetone	3.22	43	58821	50.677	ug/l	92
20) Methylene Chloride	3.82	84	33358	3.338	ug/l	88
25) 2-Butanone	6.15	43	7878	5.396	ug/l #	54
26) 2,2-Dichloropropane	6.14	77	9589	1.226	ug/l #	50
29) Tetrahydrofuran	6.47	42	792	1.119	ug/l #	69
31) Cyclohexane	7.04	56	8906	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	39071	5.054	ug/l #	47
37) Ethyl Acetate	6.15	43	7878	2.383	ug/l #	1
38) Carbon Tetrachloride	7.05	117	49347	5.556	ug/l #	14
64) Tetrachloroethene	11.25	164	9537	1.936	ug/l	94
76) 1,2,3-Trichloropropane	13.55	75	60840	25.239	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.55	75	76645	104.281	ug/l #	18

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

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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# 572

Delta R.T. 0.03 min

Lab File: VD061473.D

Acq: 1 Apr 2019 17:24

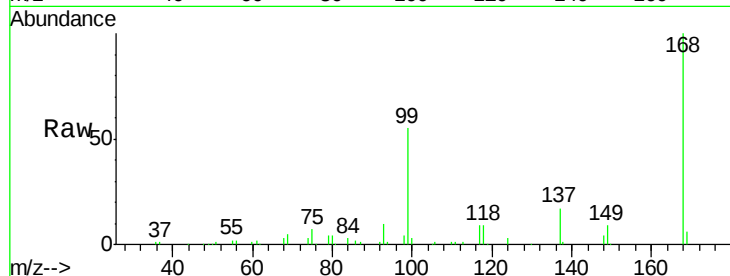
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 528560

Ion Ratio Lower Upper

168 100

99 55.2 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

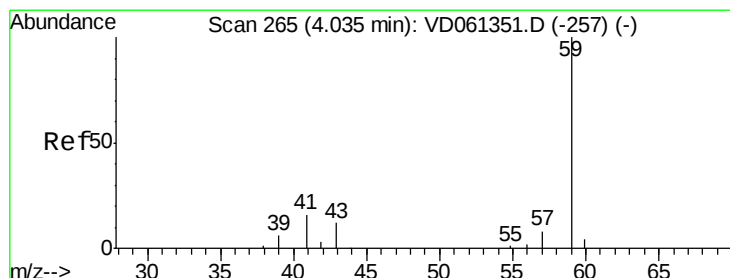
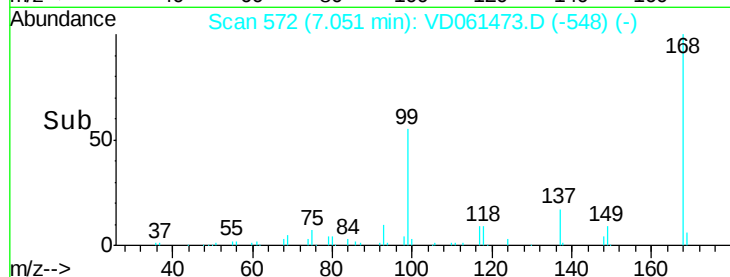
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 2.447 ug/l

RT: 4.05 min Scan# 267

Delta R.T. 0.01 min

Lab File: VD061473.D

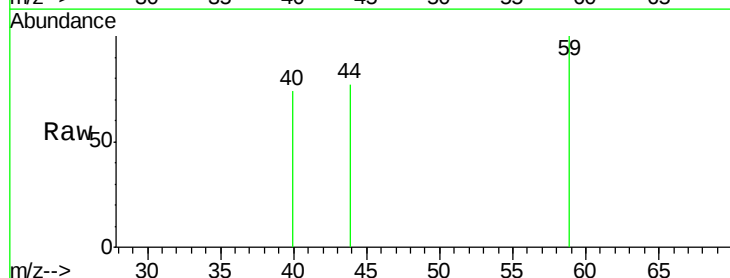
Acq: 1 Apr 2019 17:24

Tgt Ion: 59 Resp: 688

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

4.05

400

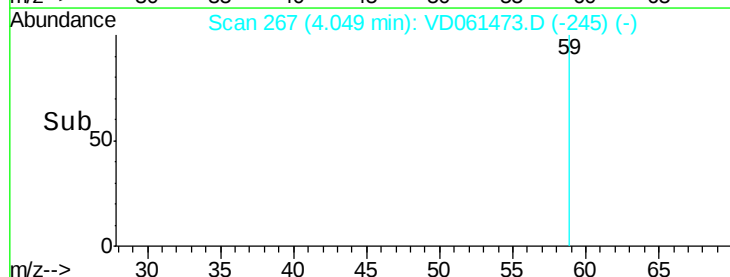
300

200

100

0

Time--> 4.00 4.05

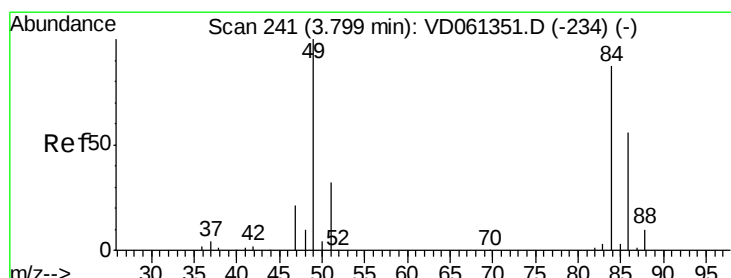
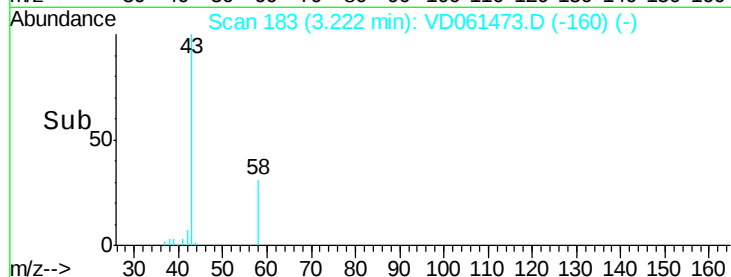
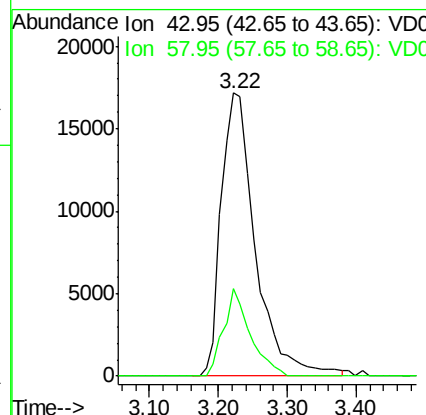
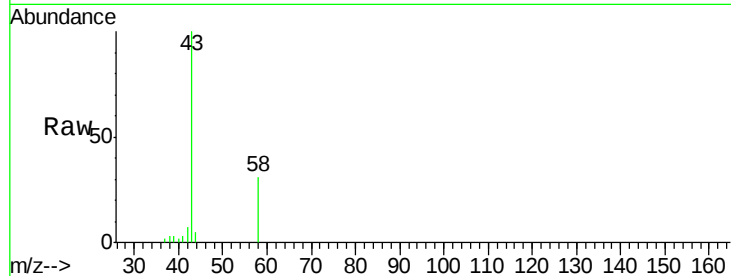




#16
Acetone
Concen: 50.677 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.02 min
Lab File: VD061473.D
Acq: 1 Apr 2019 17:24

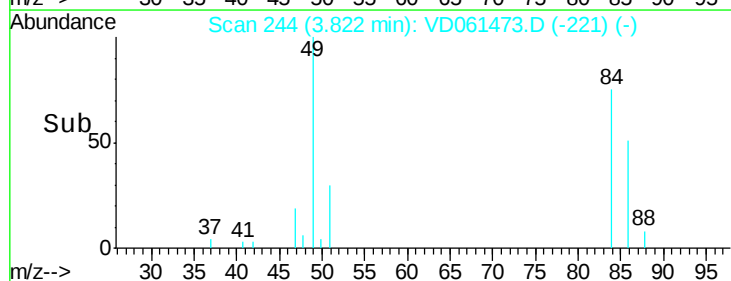
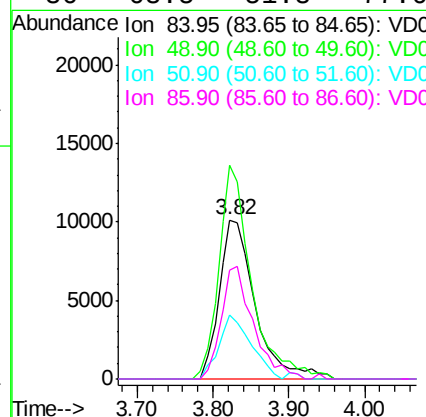
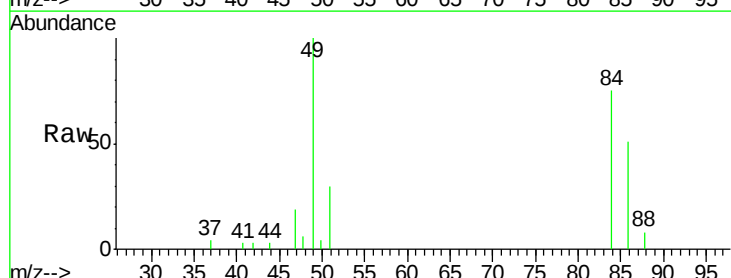
Instrument :
MSVOA_D
ClientSampleId :

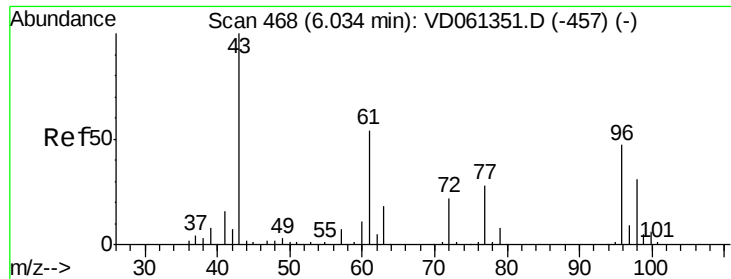
Tot Ion: 43 Resp: 58821
Ion Ratio Lower Upper
43 100
58 31.0 21.5 32.3



#20
Methylene Chloride
Concen: 3.338 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061473.D
Acq: 1 Apr 2019 17:24

Tgt Ion: 84 Resp: 33358
Ion Ratio Lower Upper
84 100
49 134.0 91.8 137.8
51 39.8 29.8 44.8
86 68.5 51.8 77.6

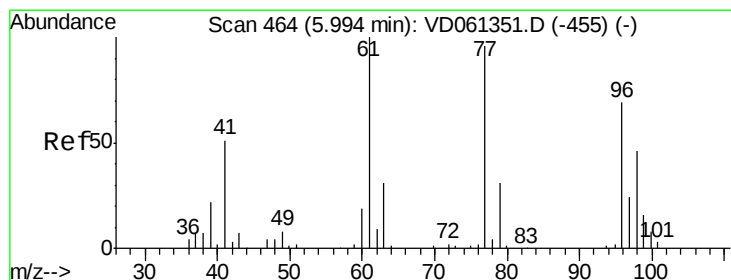
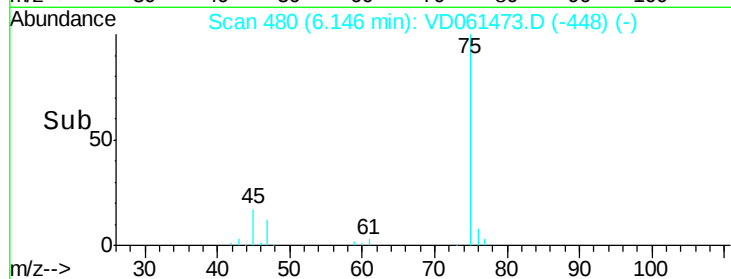
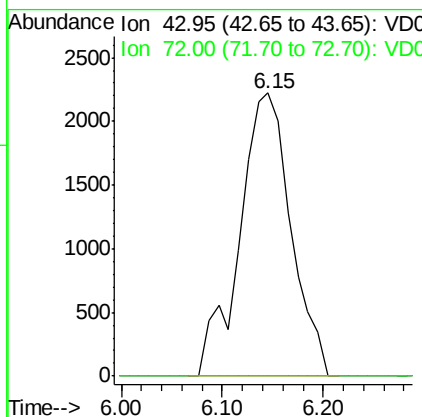
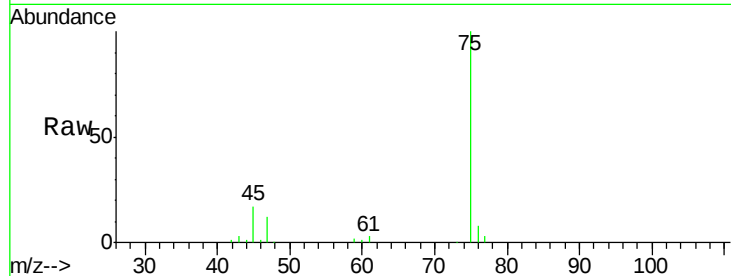




#25
 2-Butanone
 Concen: 5.396 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. 0.11 min
 Lab File: VD061473.D
 Acq: 1 Apr 2019 17:24

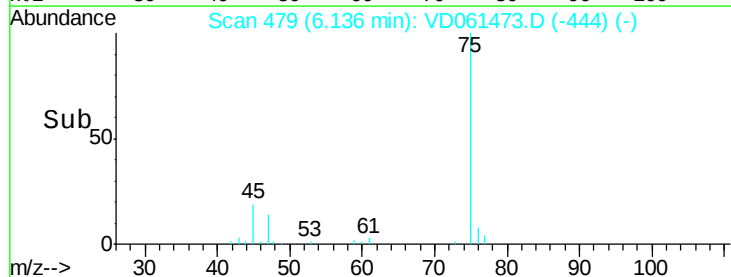
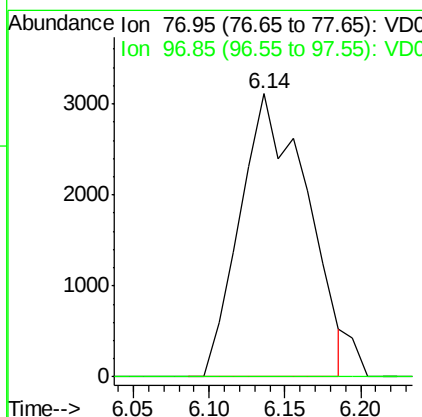
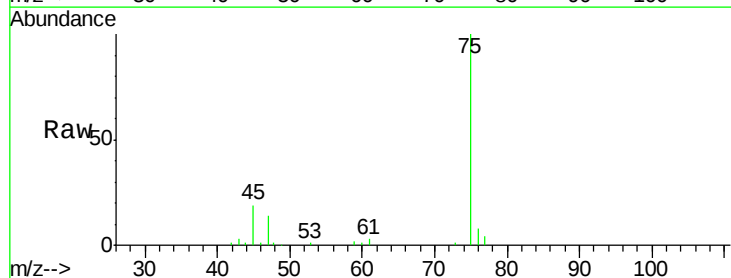
Instrument :
 MSVOA_D
 ClientSampleID :

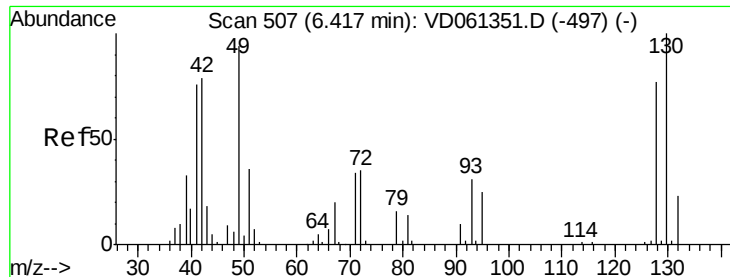
Tot Ion: 43 Resp: 7878
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.2 25.8#



#26
 2,2-Dichloropropane
 Concen: 1.226 ug/l
 RT: 6.14 min Scan# 479
 Delta R.T. 0.14 min
 Lab File: VD061473.D
 Acq: 1 Apr 2019 17:24

Tgt Ion: 77 Resp: 9589
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.7 38.0#

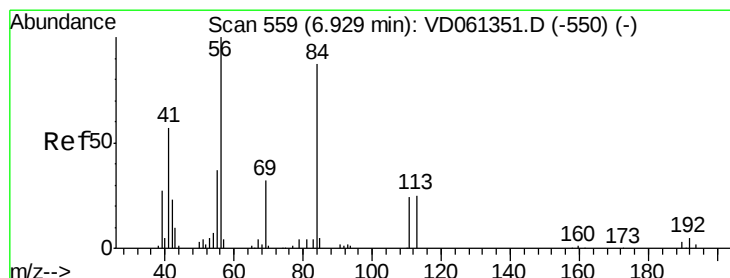
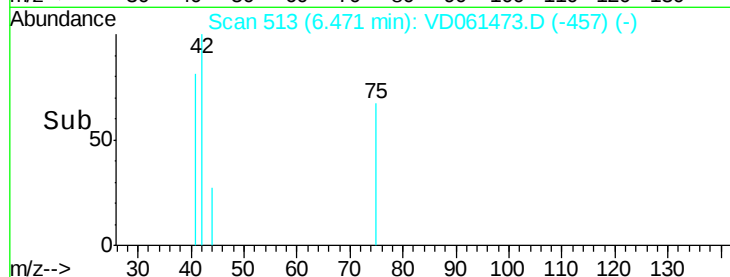
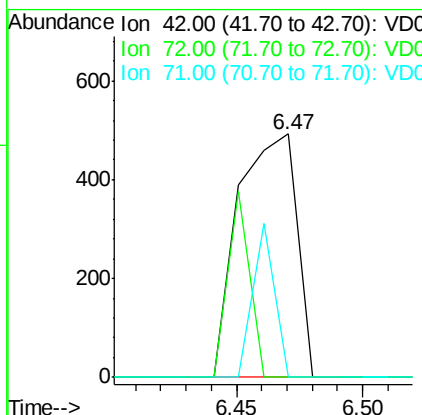
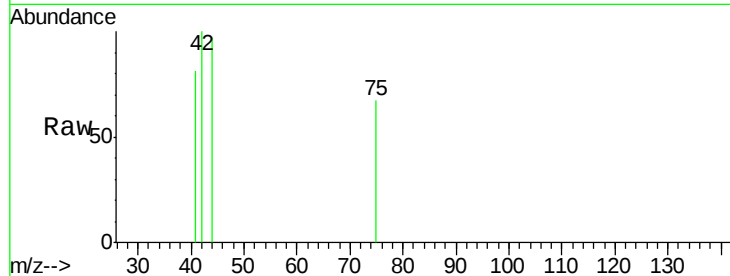




#29
Tetrahydrofuran
Concen: 1.119 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD061473.D
Acq: 1 Apr 2019 17:24

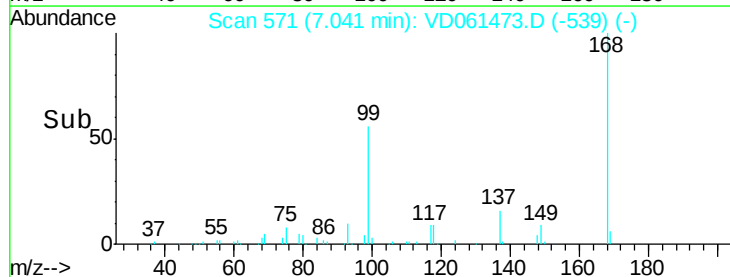
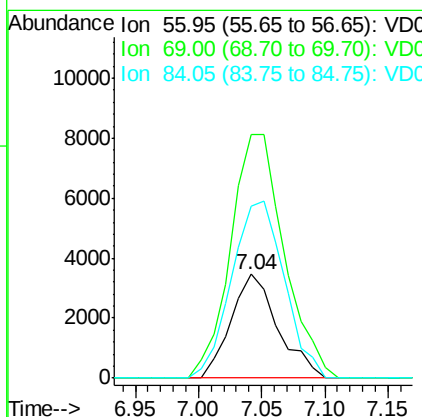
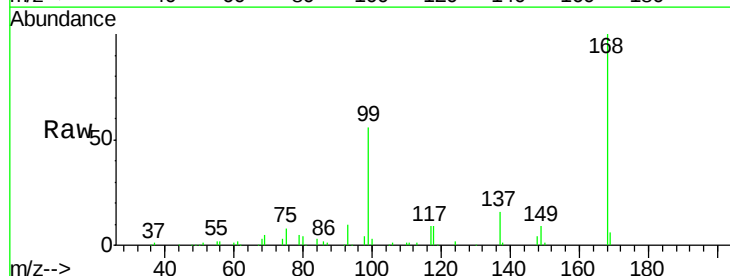
Instrument :
MSVOA_D
ClientSampleId :

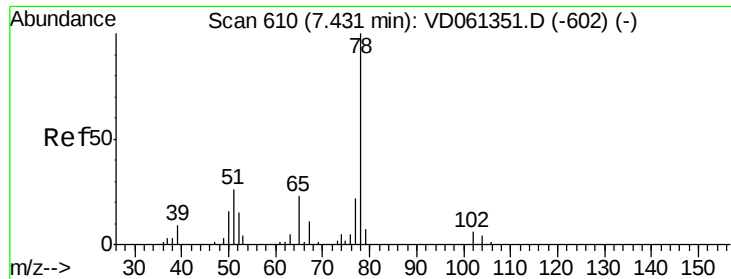
Tot Ion: 42 Resp: 792
Ion Ratio Lower Upper
42 100
72 28.0 37.4 56.0#
71 23.2 36.7 55.1#



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD061473.D
Acq: 1 Apr 2019 17:24

Tgt Ion: 56 Resp: 8906
Ion Ratio Lower Upper
56 100
69 235.3 25.7 38.5#
84 166.7 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061473.D

Acq: 1 Apr 2019 17:24

Instrument :

MSVOA_D

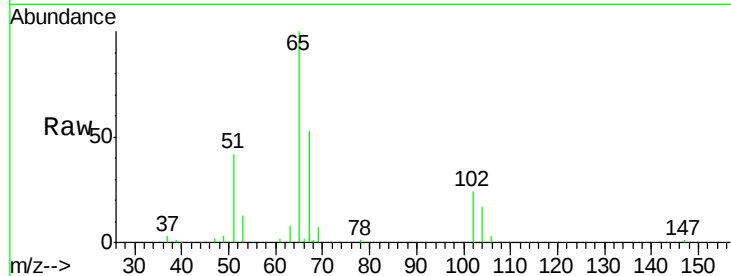
ClientSampleId :

Tot Ion: 65 Resp: 205656

Ion Ratio Lower Upper

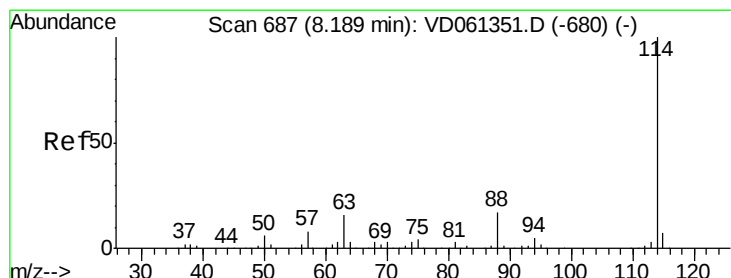
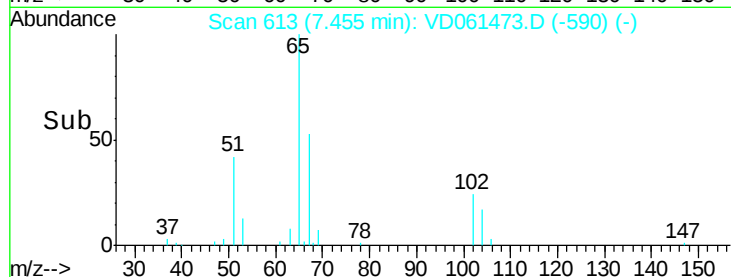
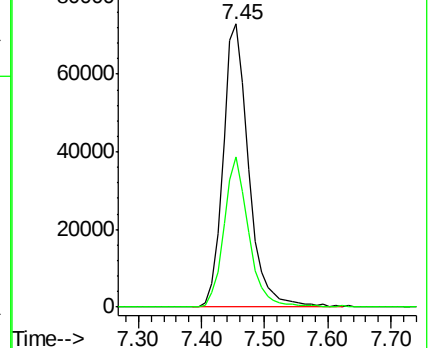
65 100

67 53.1 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# 691

Delta R.T. 0.03 min

Lab File: VD061473.D

Acq: 1 Apr 2019 17:24

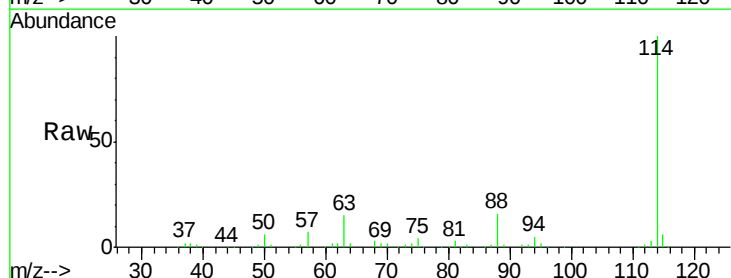
Tgt Ion: 114 Resp: 885682

Ion Ratio Lower Upper

114 100

63 14.7 0.0 31.6

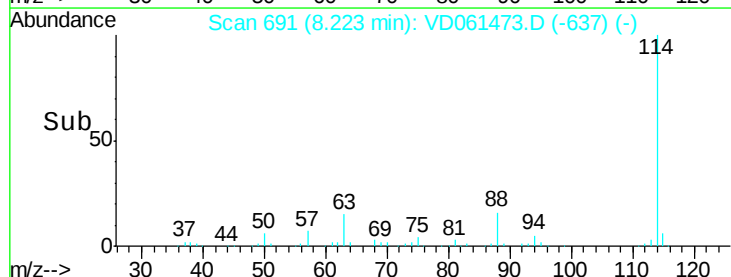
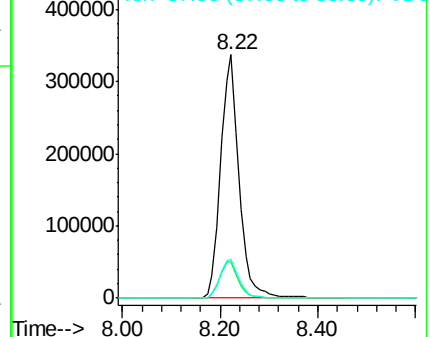
88 15.8 0.0 33.4

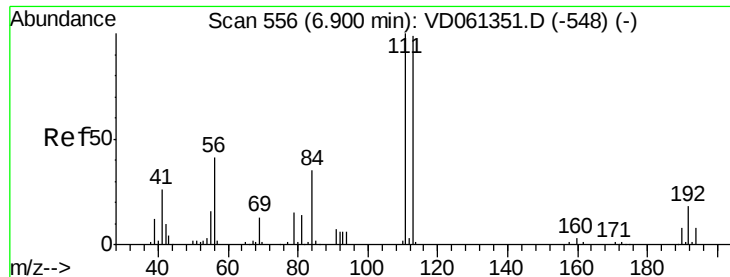


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

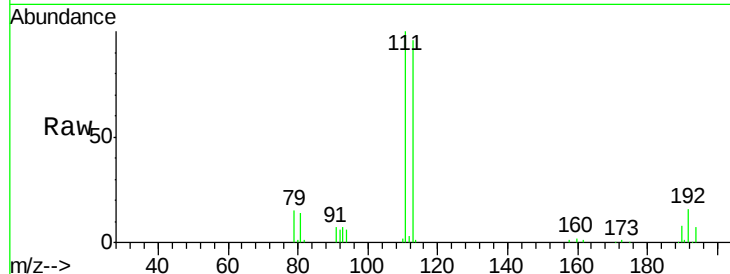




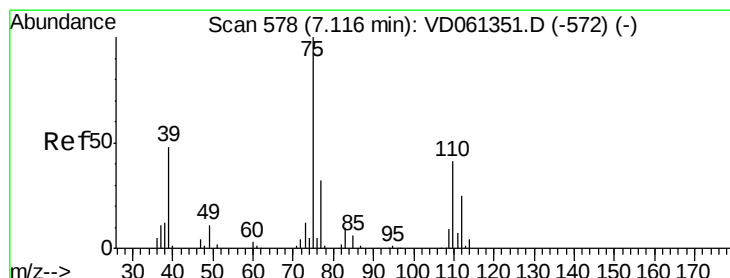
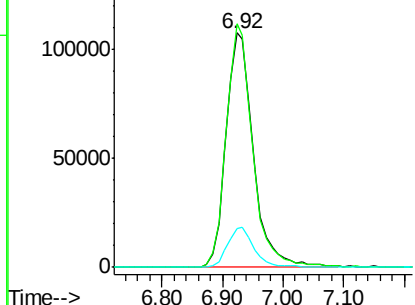
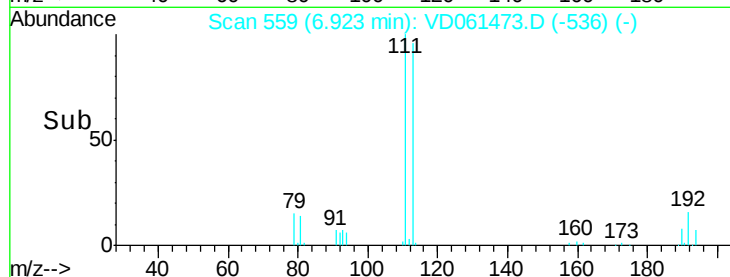
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061473.D
 Acq: 1 Apr 2019 17:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 337854
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.0 121.6
 192 16.7 14.4 21.6

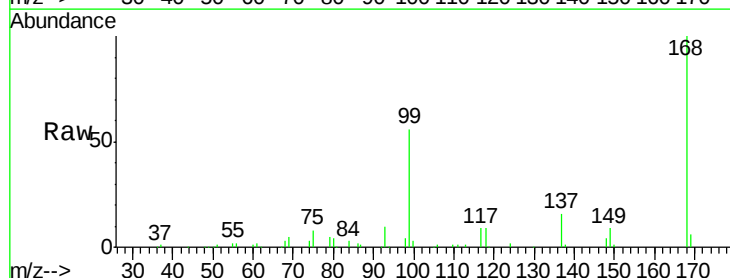


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

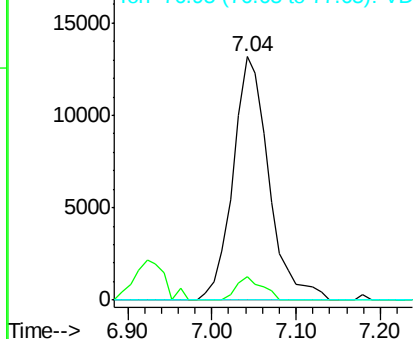
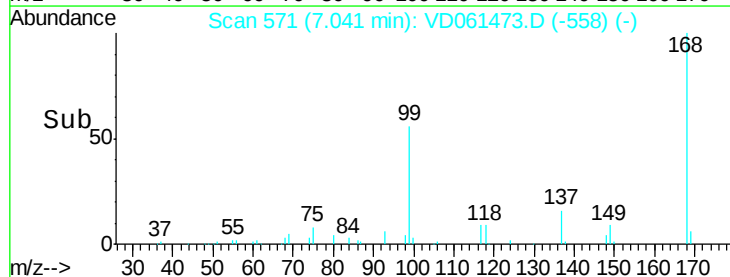


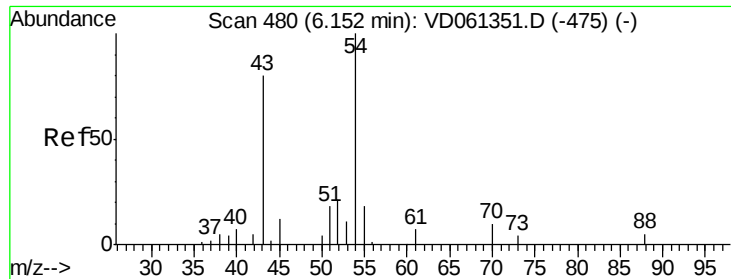
#36
 1,1-Dichloropropene
 Concen: 5.054 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061473.D
 Acq: 1 Apr 2019 17:24

Tgt Ion: 75 Resp: 39071
 Ion Ratio Lower Upper
 75 100
 110 9.8 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

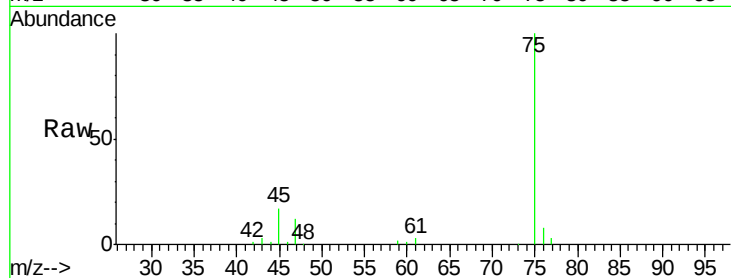




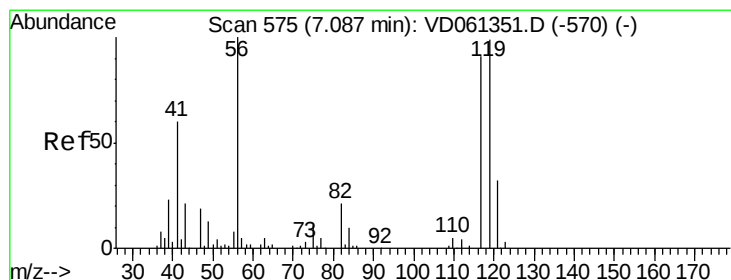
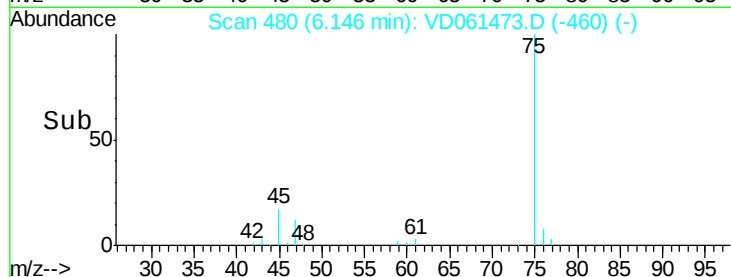
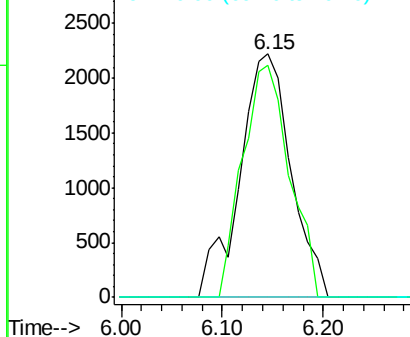
#37
Ethyl Acetate
Concen: 2.383 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.01 min
Lab File: VD061473.D
Acq: 1 Apr 2019 17:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 7878
Ion Ratio Lower Upper
43 100
61 95.3 13.8 20.8#
70 0.0 7.8 11.8#

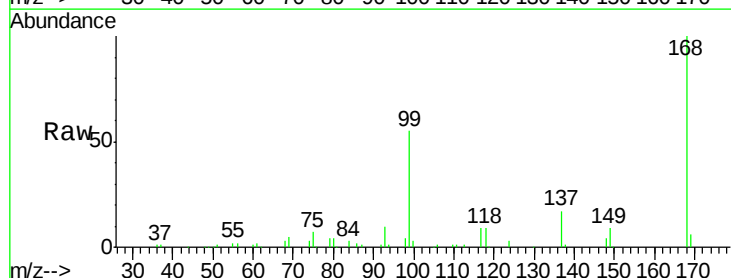


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

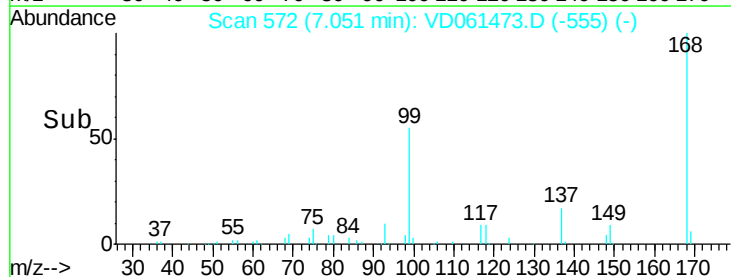
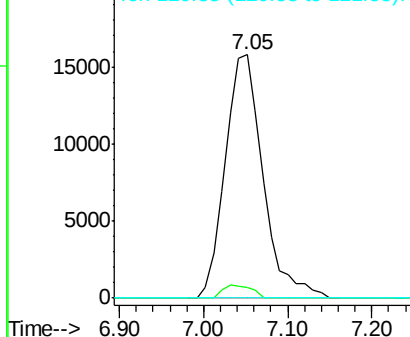


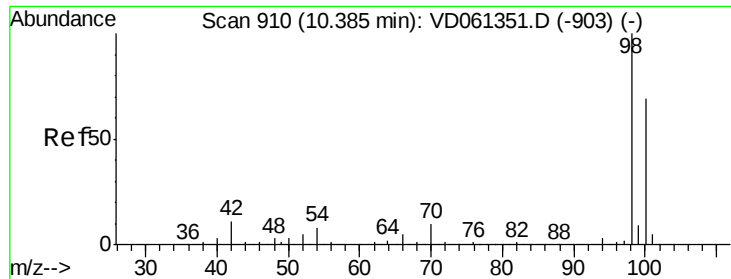
#38
Carbon Tetrachloride
Concen: 5.556 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD061473.D
Acq: 1 Apr 2019 17:24

Tgt Ion: 117 Resp: 49347
Ion Ratio Lower Upper
117 100
119 4.6 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

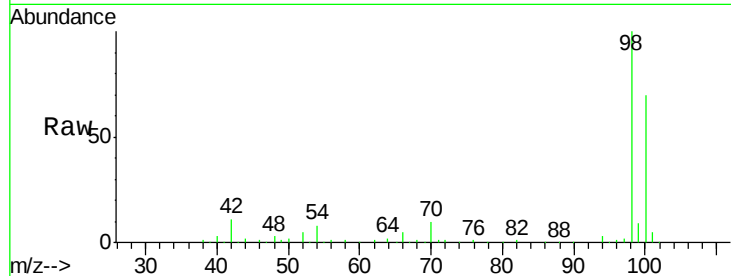




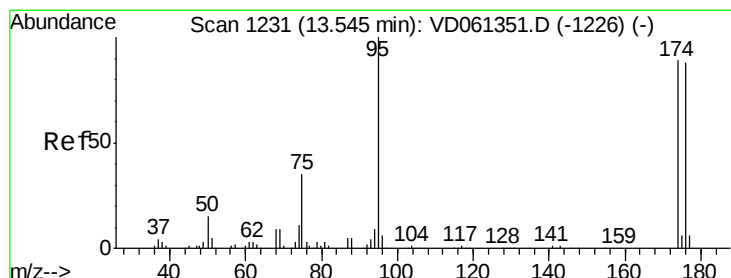
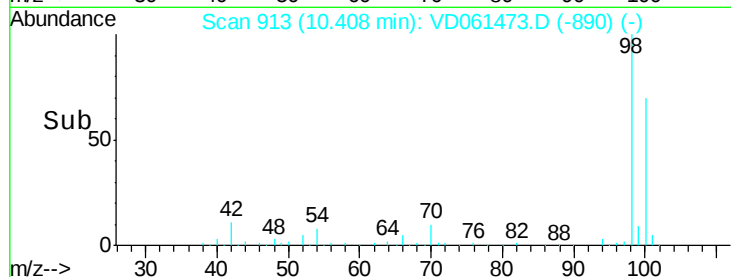
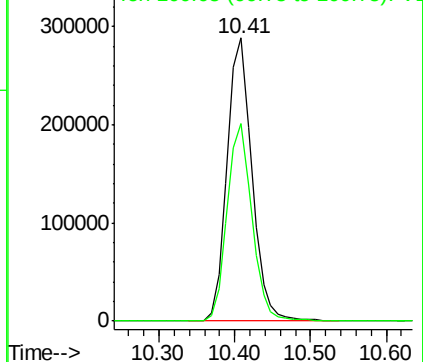
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061473.D
Acq: 1 Apr 2019 17:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 657929
Ion Ratio Lower Upper
98 100
100 69.7 56.2 84.2

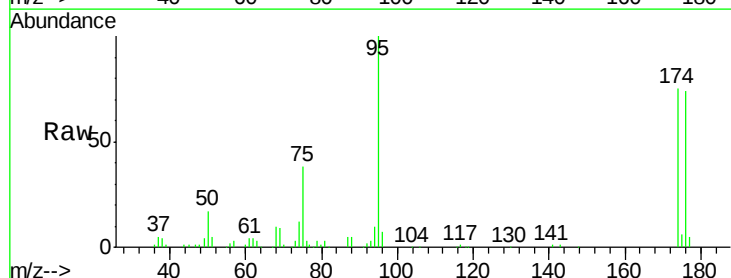


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

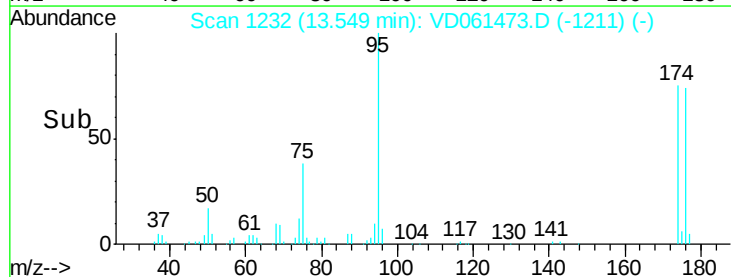
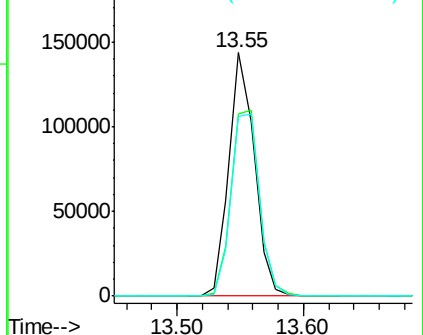


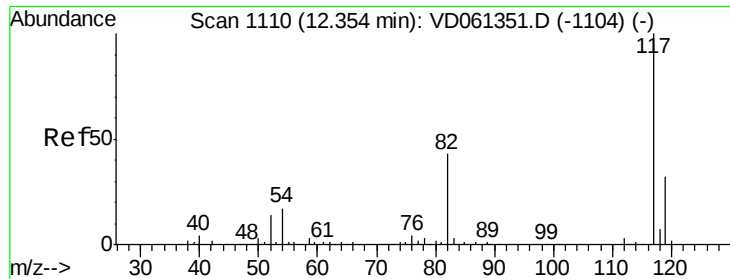
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061473.D
Acq: 1 Apr 2019 17:24

Tgt Ion: 95 Resp: 201087
Ion Ratio Lower Upper
95 100
174 74.6 0.0 178.0
176 74.0 0.0 175.0



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

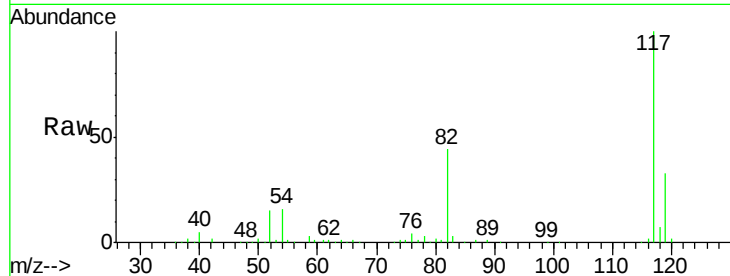




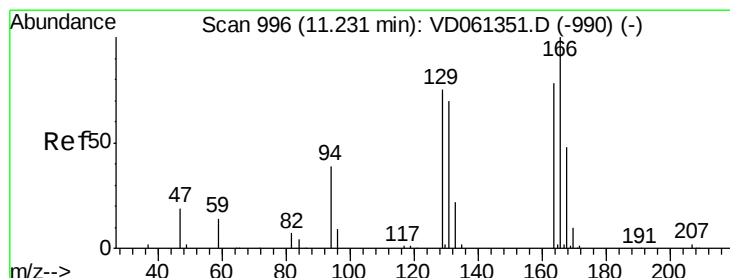
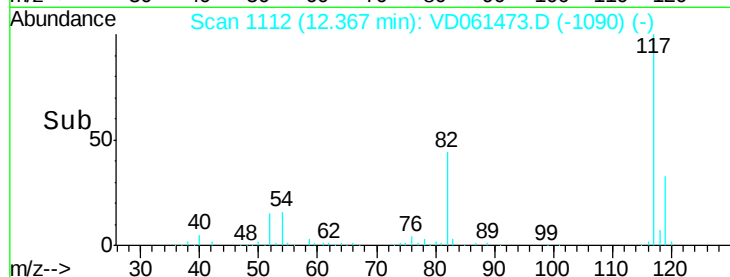
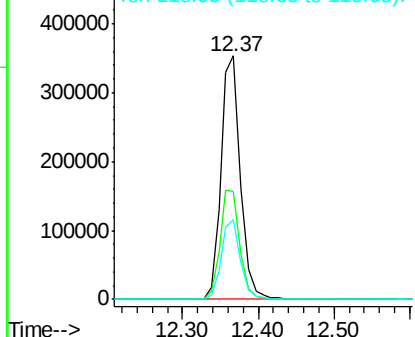
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061473.D
Acq: 1 Apr 2019 17:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 627689
Ion Ratio Lower Upper
117 100
82 44.2 34.4 51.6
119 32.8 25.8 38.6

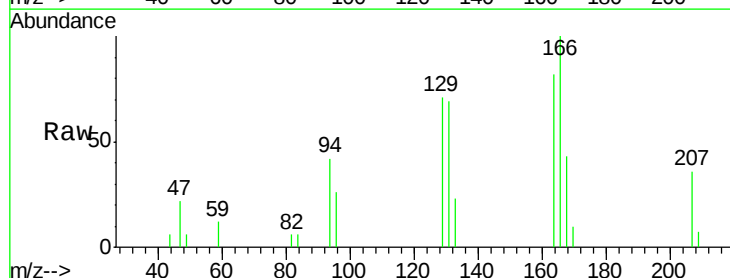


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

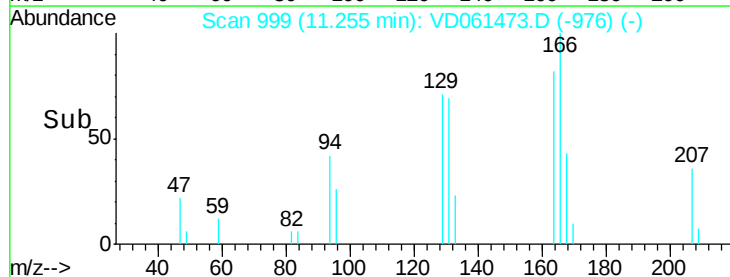
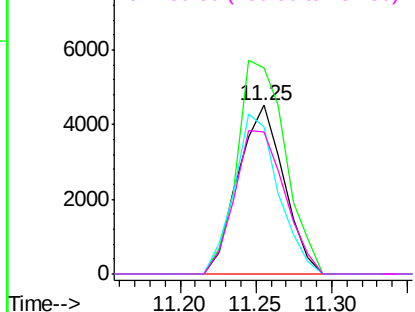


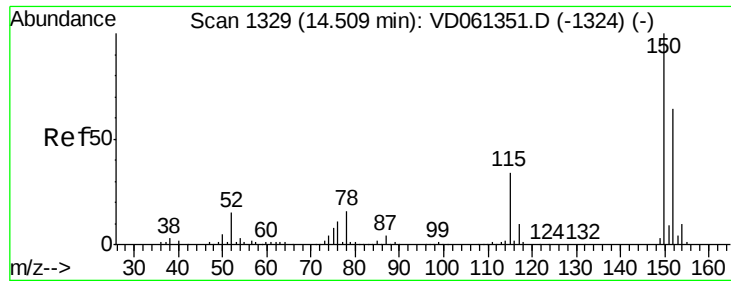
#64
Tetrachloroethene
Concen: 1.936 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD061473.D
Acq: 1 Apr 2019 17:24

Tgt Ion:164 Resp: 9537
Ion Ratio Lower Upper
164 100
166 122.5 102.4 153.6
129 87.0 76.8 115.2
131 84.6 71.8 107.6



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

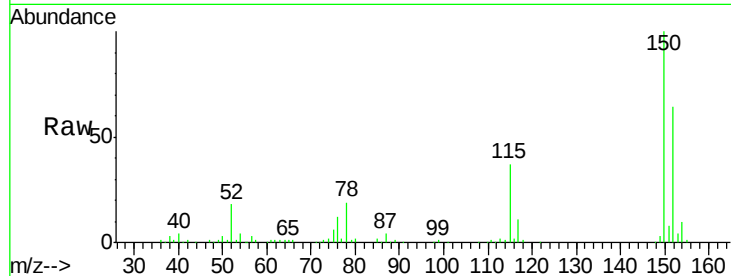




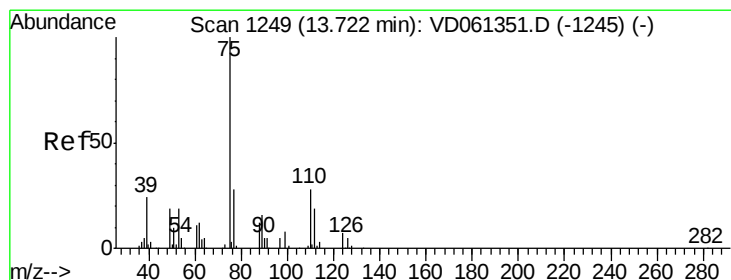
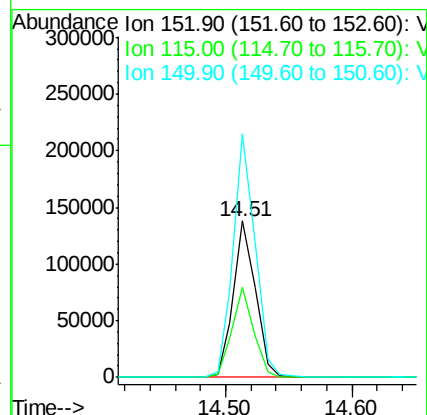
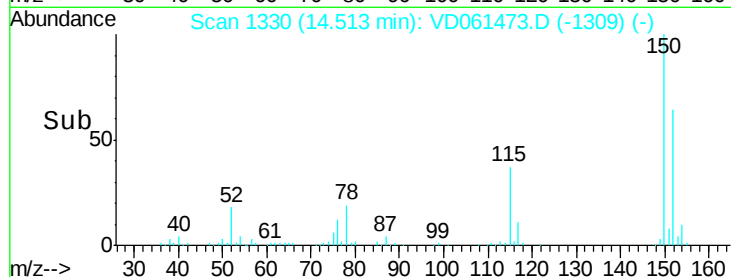
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061473.D
 Acq: 1 Apr 2019 17:24

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:152 Resp: 166876
 Ion Ratio Lower Upper
 152 100
 115 57.8 26.9 80.6
 150 155.8 0.0 318.0

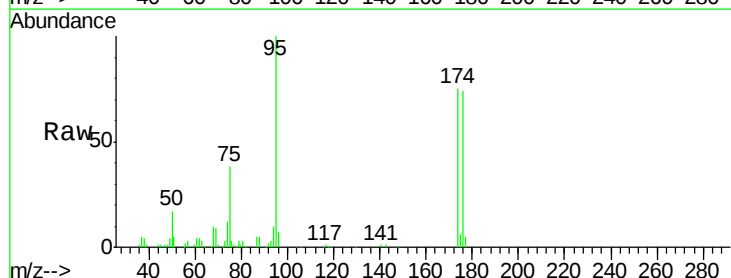


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

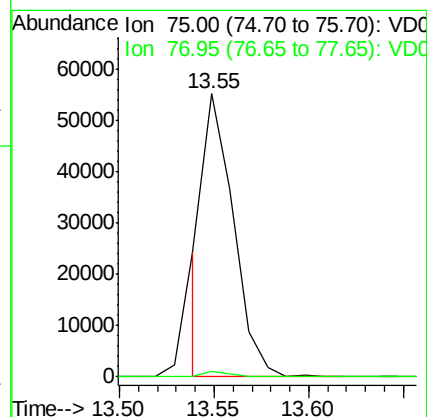
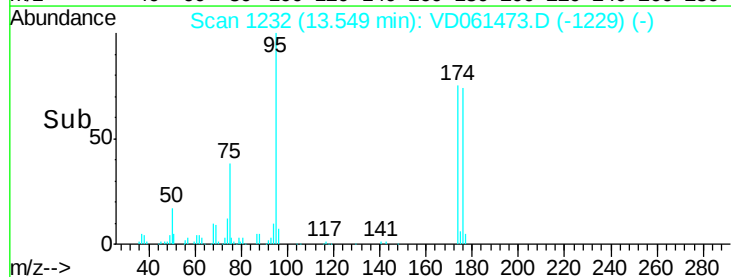


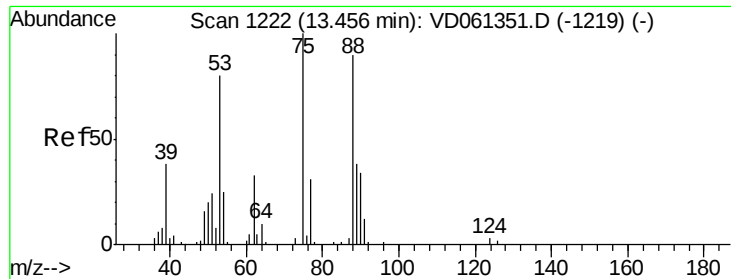
#76
 1,2,3-Trichloropropane
 Concen: 25.239 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD061473.D
 Acq: 1 Apr 2019 17:24

Tgt Ion: 75 Resp: 60840
 Ion Ratio Lower Upper
 75 100
 77 2.0 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 104.281 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061473.D

Acq: 1 Apr 2019 17:24

Instrument :

MSVOA_D

ClientSampleId :

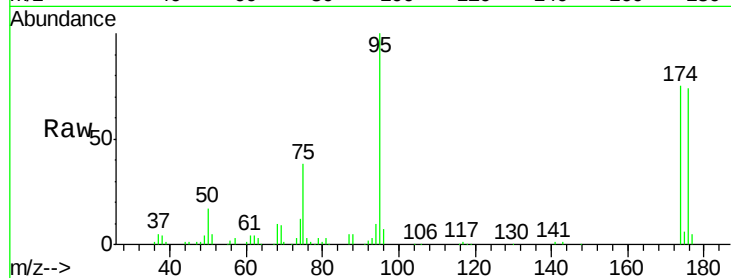
Tot Ion: 75 Resp: 76645

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

