

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061922.D
 Acq On : 19 Apr 2019 21:11
 Operator : VA/AP
 Sample : K2475-03
 Misc : 4.43g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 19 23:11:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	323303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	522856	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	418948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	154025	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	195089	72.00	ug/l	0.01
Spiked Amount			Recovery	=	144.00%	
35) Dibromofluoromethane	6.93	113	277248	70.19	ug/l	0.01
Spiked Amount			Recovery	=	140.38%	
50) Toluene-d8	10.42	98	576804	61.63	ug/l	0.01
Spiked Amount			Recovery	=	123.26%	
62) 4-Bromofluorobenzene	13.56	95	196555	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	

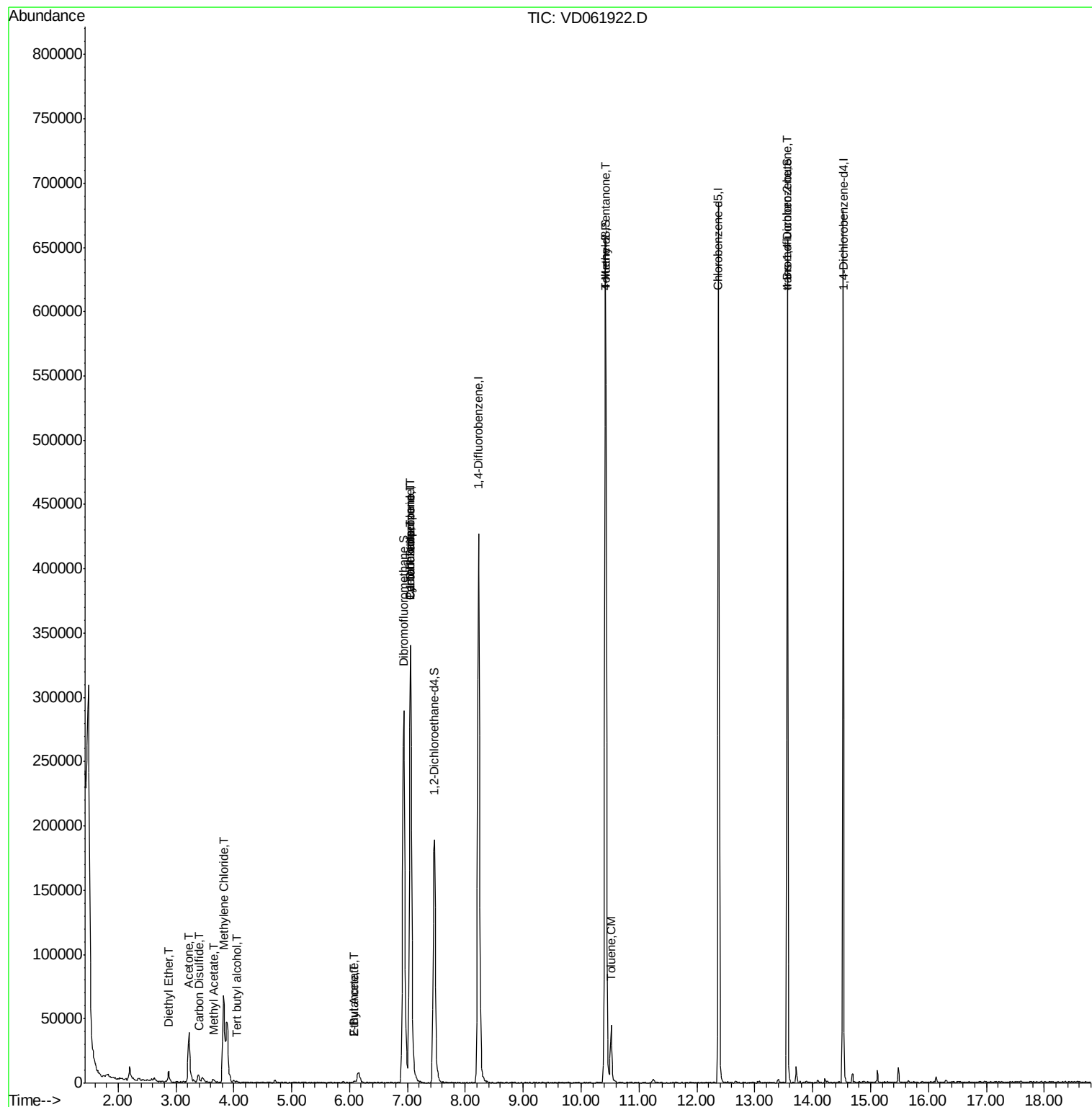
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	233	Below Cal	#	1
8) Diethyl Ether	2.88	74	2669	2.516	ug/l	51
11) Tert butyl alcohol	4.06	59	881	5.513	ug/l #	76
16) Acetone	3.22	43	69631	104.268	ug/l	96
17) Carbon Disulfide	3.39	76	10657	1.087	ug/l	98
18) Methyl Acetate	3.65	43	4379	3.272	ug/l #	88
20) Methylene Chloride	3.82	84	50970	11.855	ug/l	96
25) 2-Butanone	6.08	43	2344	3.083	ug/l #	56
31) Cyclohexane	7.04	56	5178	1.262	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	24969	5.844	ug/l #	46
37) Ethyl Acetate	6.08	43	2344	1.282	ug/l #	64
38) Carbon Tetrachloride	7.05	117	32833	6.086	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	2284	1.451	ug/l #	1
52) Toluene	10.52	92	23504	3.576	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.56	75	75435	110.736	ug/l #	16

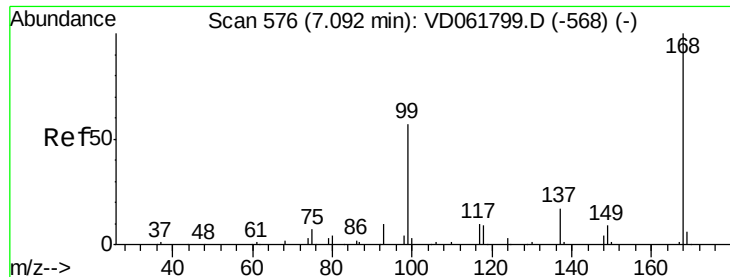
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061922.D

Acq: 19 Apr 2019 21:11

Instrument :

MSVOA_D

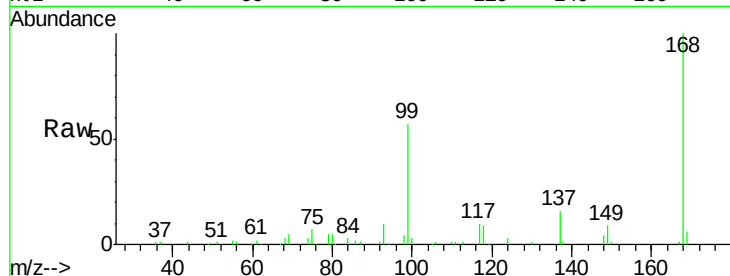
ClientSampleId :

Tot Ion:168 Resp: 323303

Ion Ratio Lower Upper

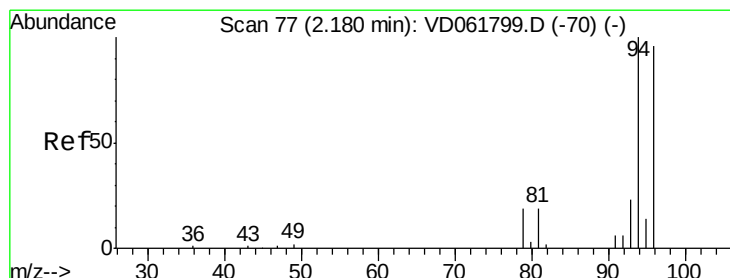
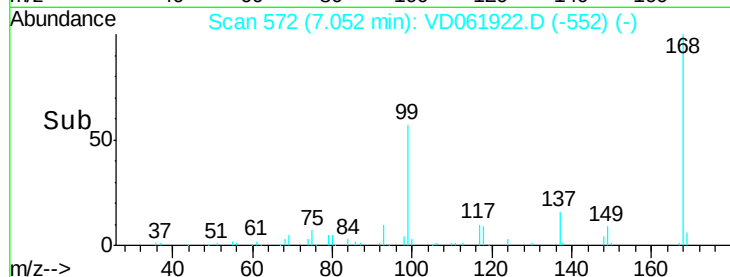
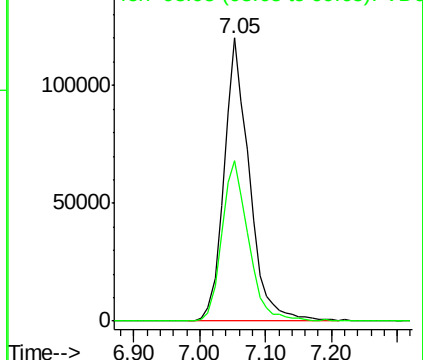
168 100

99 56.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD061922.D

Acq: 19 Apr 2019 21:11

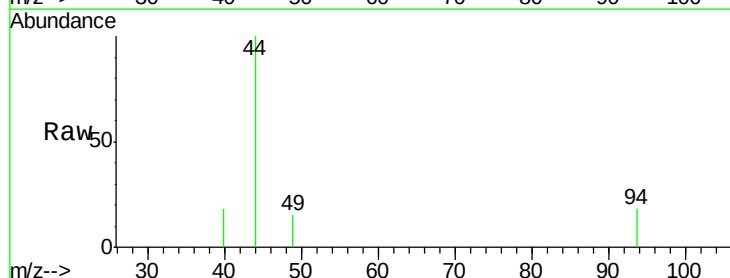
Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

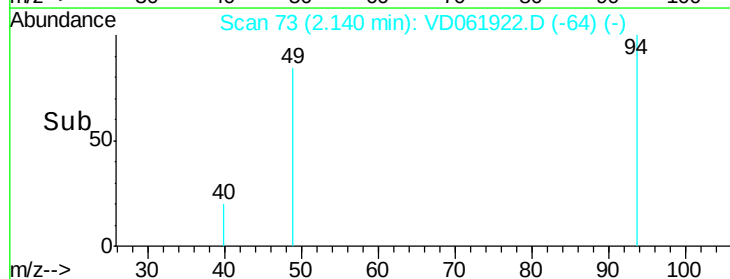
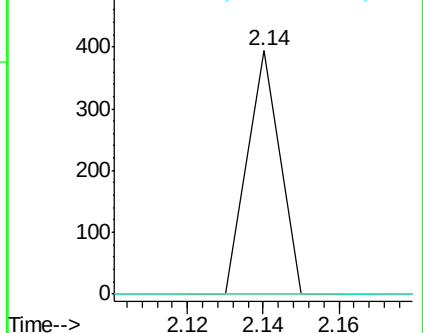
93 100.0 18.5 27.7#

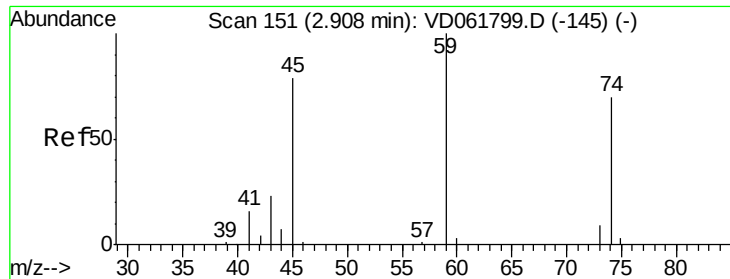


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 2.516 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD061922.D

Acq: 19 Apr 2019 21:11

Instrument :

MSVOA_D

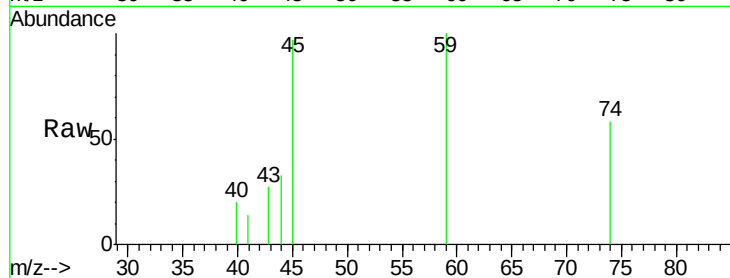
ClientSampleId :

Tot Ion: 74 Resp: 2669

Ion Ratio Lower Upper

74 100

45 166.1 56.9 170.7

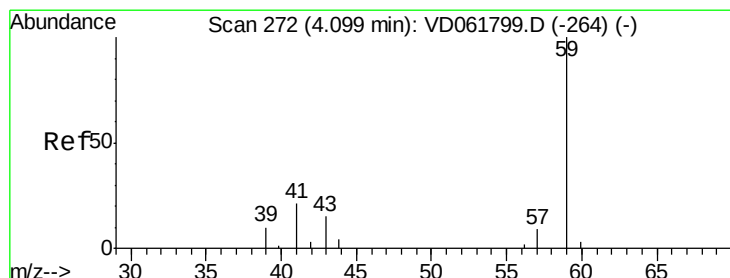
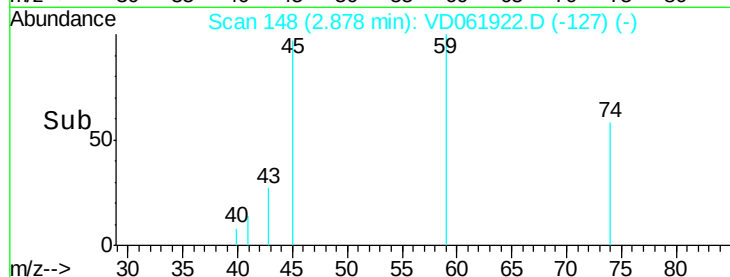


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.88

Time-->



#11

Tert butyl alcohol

Concen: 5.513 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD061922.D

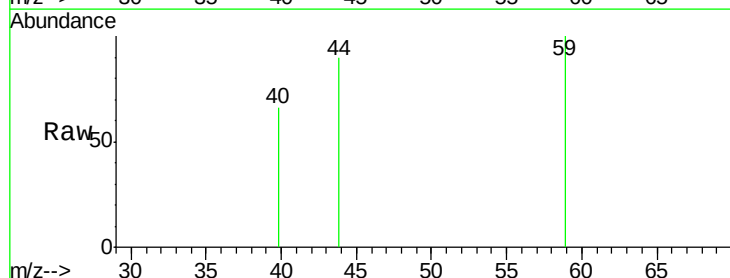
Acq: 19 Apr 2019 21:11

Tgt Ion: 59 Resp: 881

Ion Ratio Lower Upper

59 100

57 0.0 6.9 10.3#

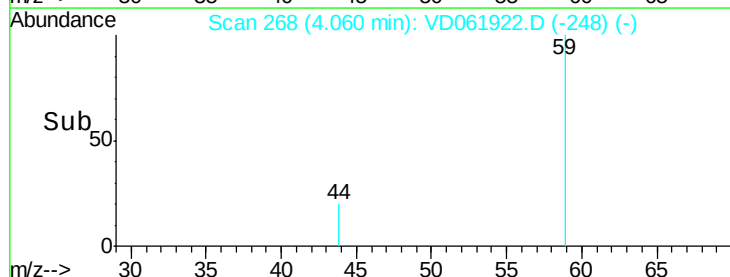


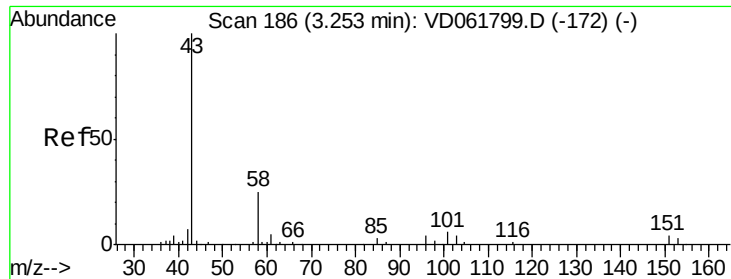
Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.06

Time-->





#16

Acetone

Concen: 104.268 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061922.D

Acq: 19 Apr 2019 21:11

Instrument :

MSVOA_D

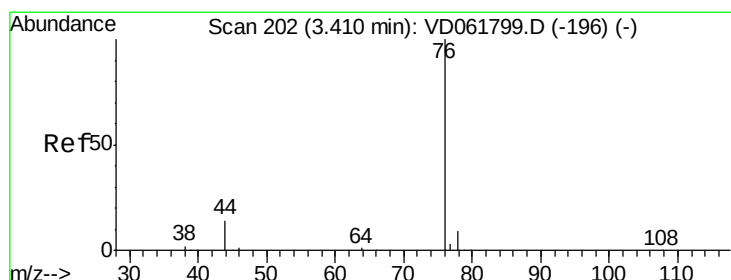
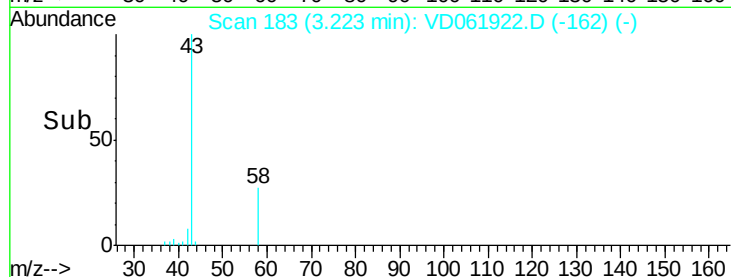
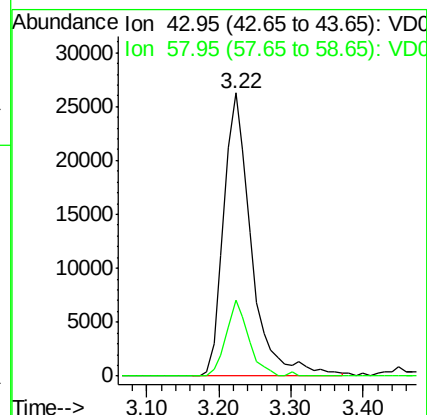
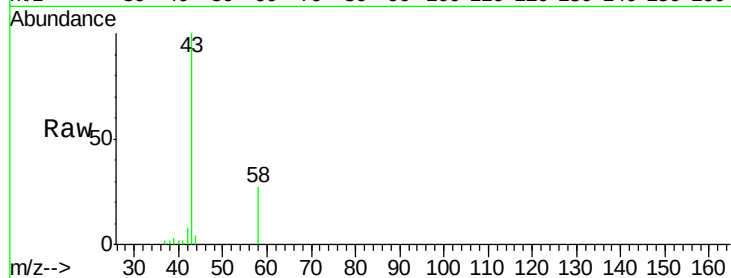
ClientSampled :

Tot Ion: 43 Resp: 69631

Ion Ratio Lower Upper

43 100

58 26.7 19.9 29.9



#17

Carbon Disulfide

Concen: 1.087 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.01 min

Lab File: VD061922.D

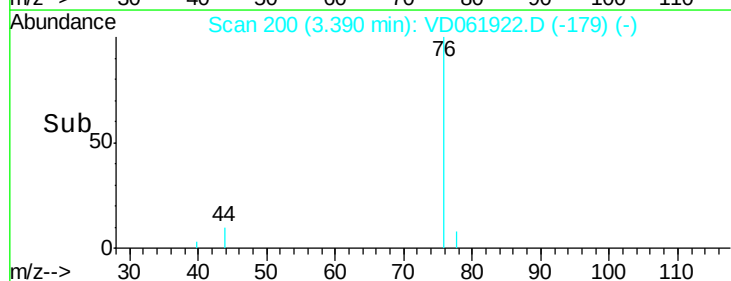
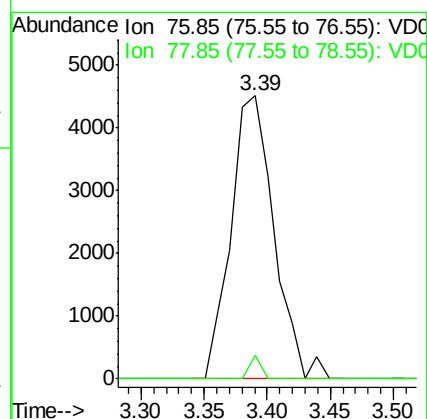
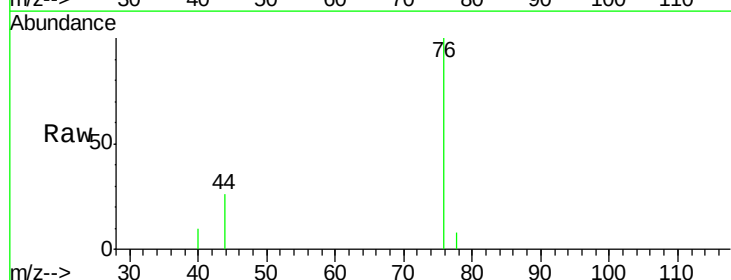
Acq: 19 Apr 2019 21:11

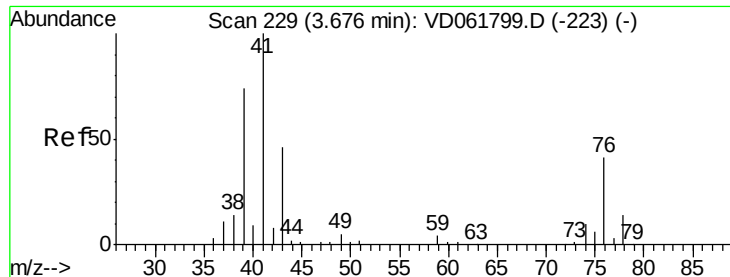
Tgt Ion: 76 Resp: 10657

Ion Ratio Lower Upper

76 100

78 8.2 7.2 10.8

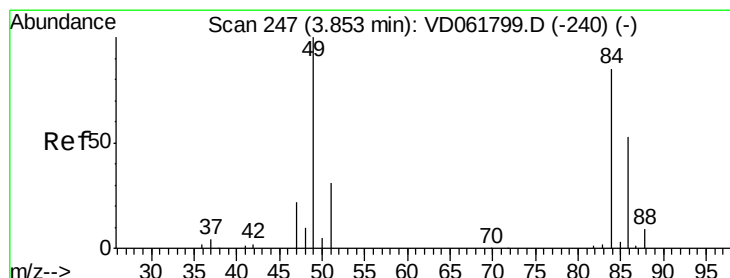
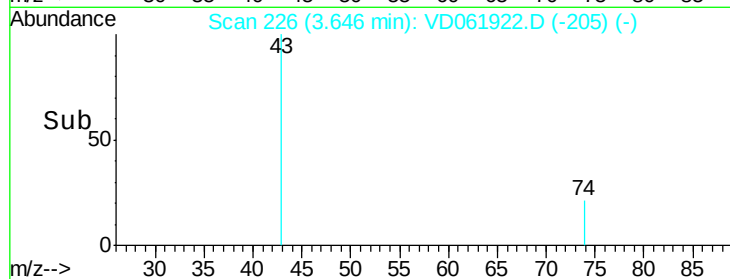
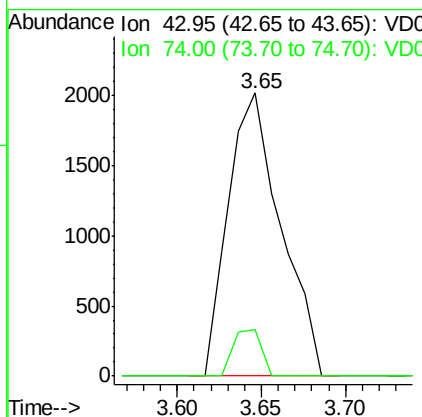
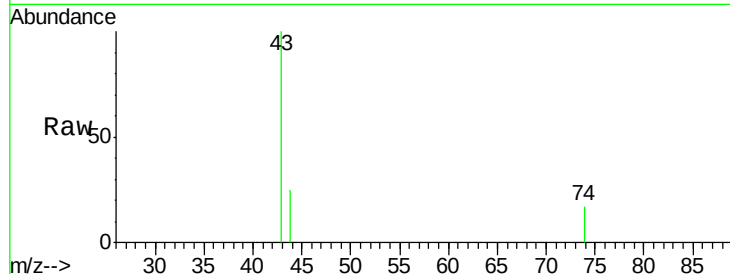




#18
Methvl Acetate
Concen: 3.272 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD061922.D
Acq: 19 Apr 2019 21:11

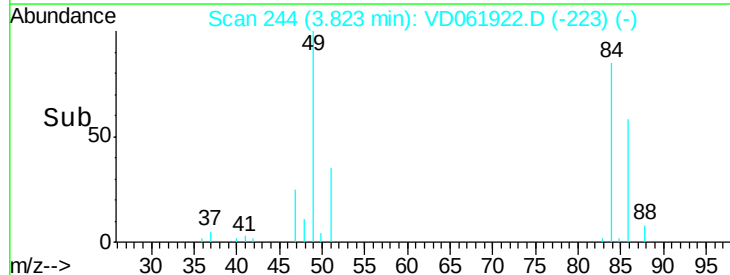
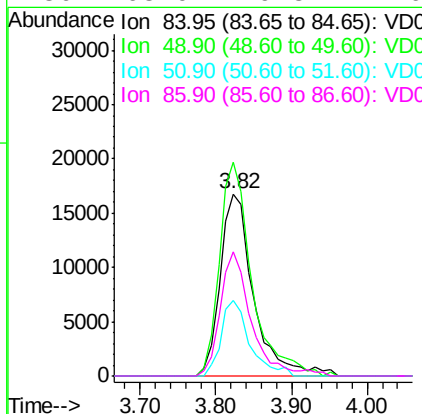
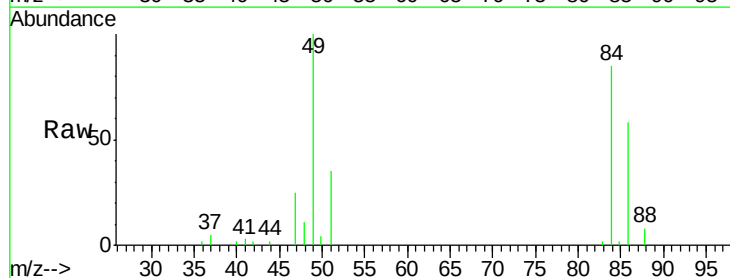
Instrument :
MSVOA_D
ClientSampleId :

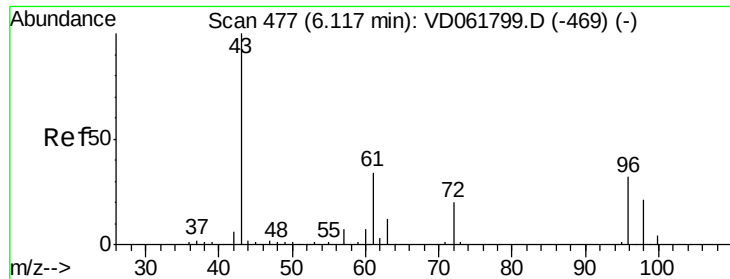
Tot Ion: 43 Resp: 4379
Ion Ratio Lower Upper
43 100
74 16.5 18.0 27.0#



#20
Methylene Chloride
Concen: 11.855 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061922.D
Acq: 19 Apr 2019 21:11

Tgt Ion: 84 Resp: 50970
Ion Ratio Lower Upper
84 100
49 117.4 94.0 141.0
51 41.4 29.0 43.4
86 68.0 49.8 74.6





#25

2-Butanone

Concen: 3.083 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061922.D

Acq: 19 Apr 2019 21:11

Instrument :

MSVOA_D

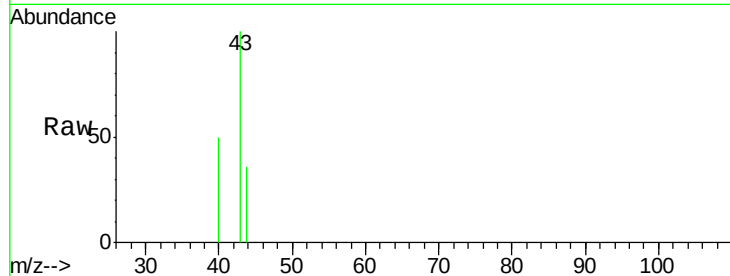
ClientSampled :

Tot Ion: 43 Resp: 2344

Ion Ratio Lower Upper

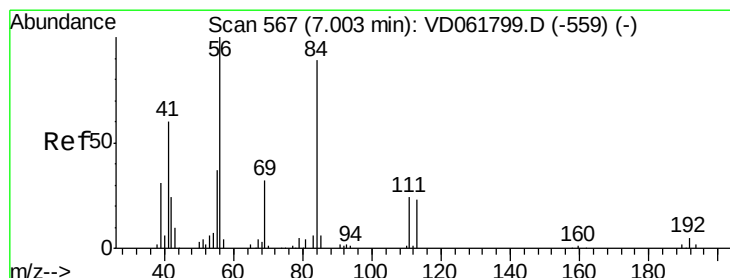
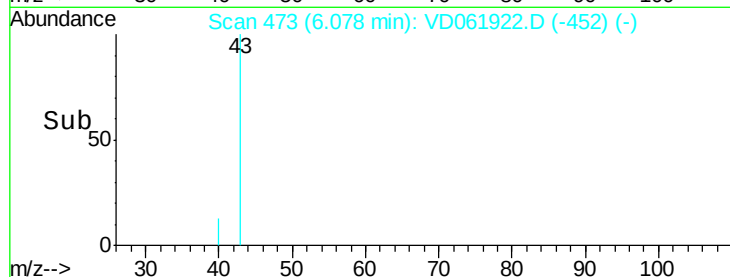
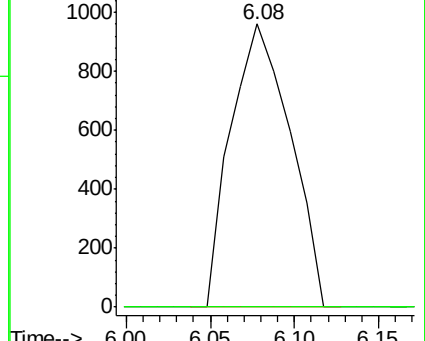
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.262 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061922.D

Acq: 19 Apr 2019 21:11

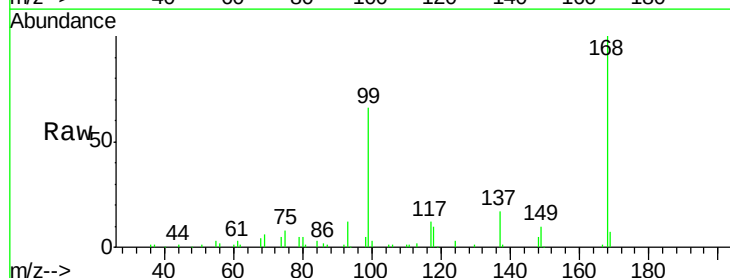
Tgt Ion: 56 Resp: 5178

Ion Ratio Lower Upper

56 100

69 227.3 25.8 38.6#

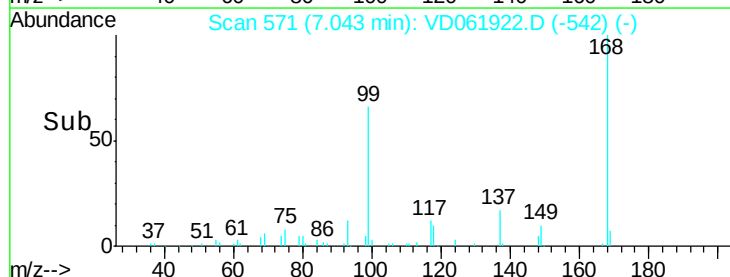
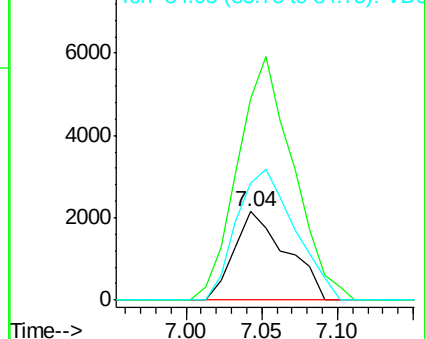
84 131.8 72.2 108.4#

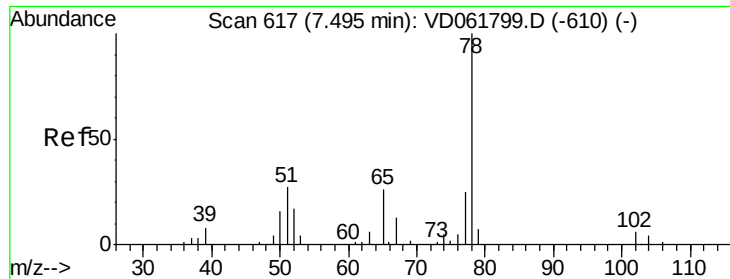


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

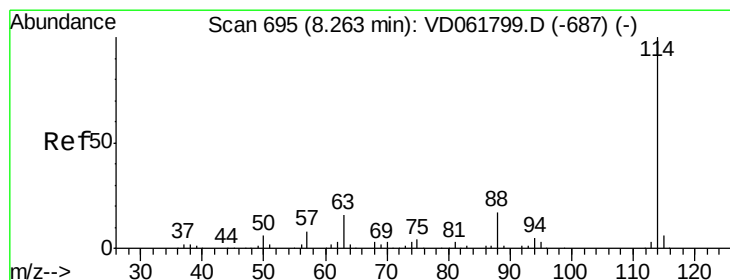
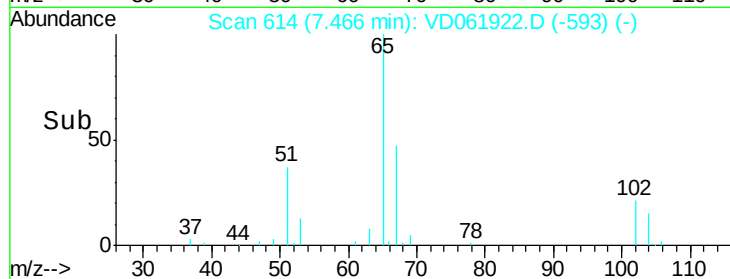
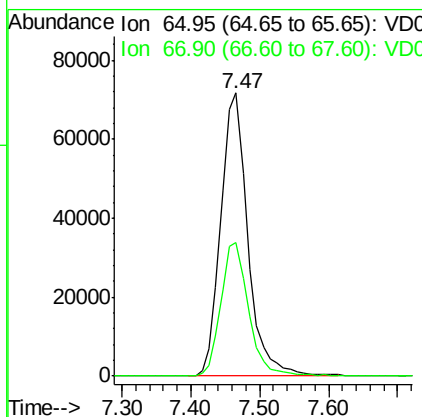
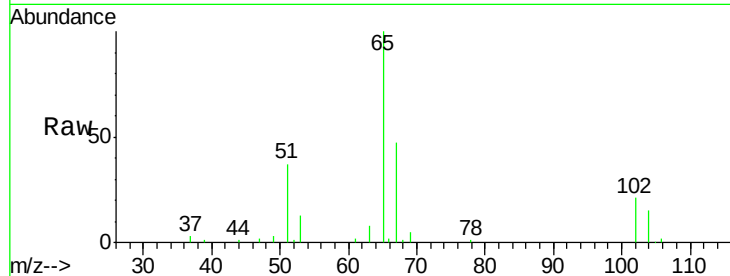




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD061922.D
 Acq: 19 Apr 2019 21:11

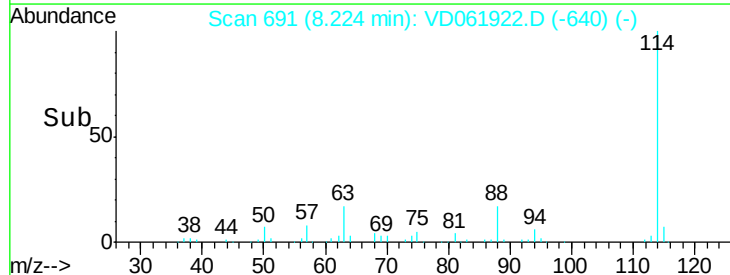
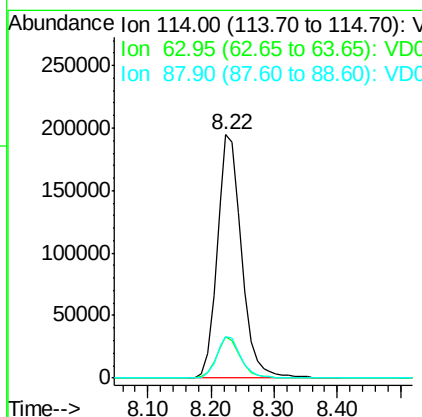
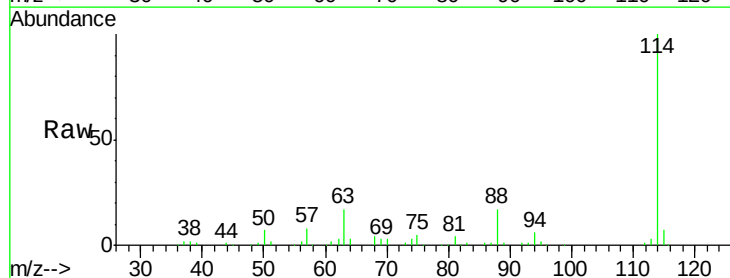
Instrument :
 MSVOA_D
 ClientSampleId :

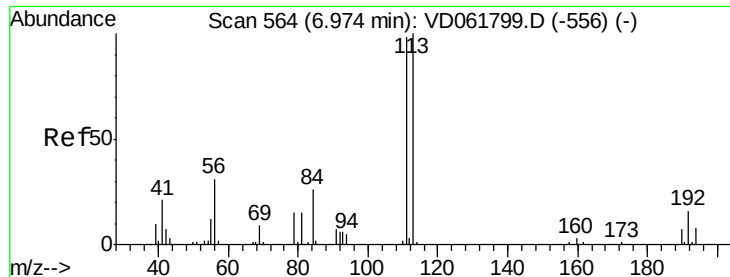
Tot Ion: 65 Resp: 195089
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061922.D
 Acq: 19 Apr 2019 21:11

Tgt Ion: 114 Resp: 522856
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 32.4
 88 17.1 0.0 33.6

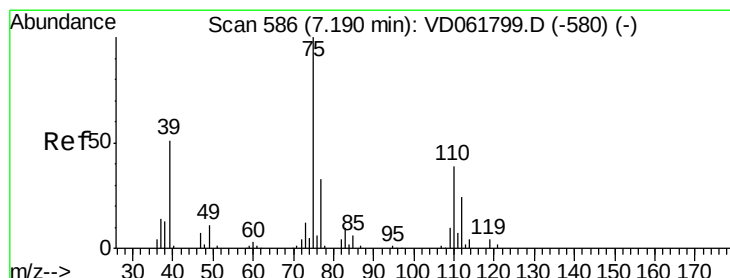
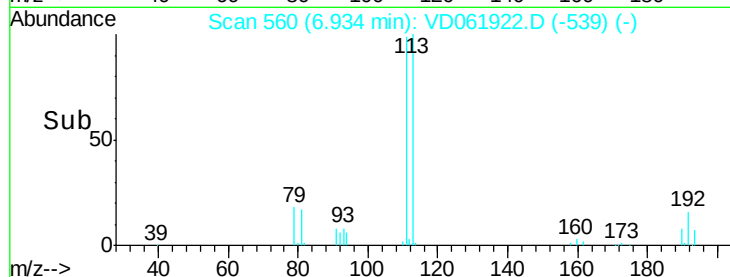
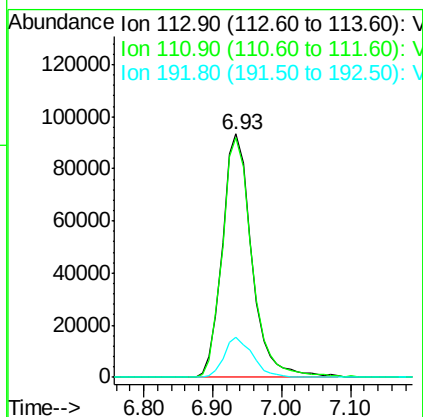
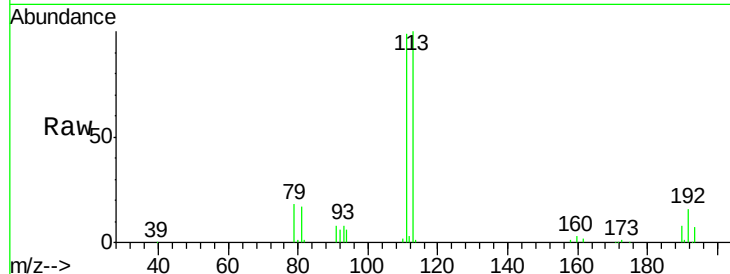




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061922.D
 Acq: 19 Apr 2019 21:11

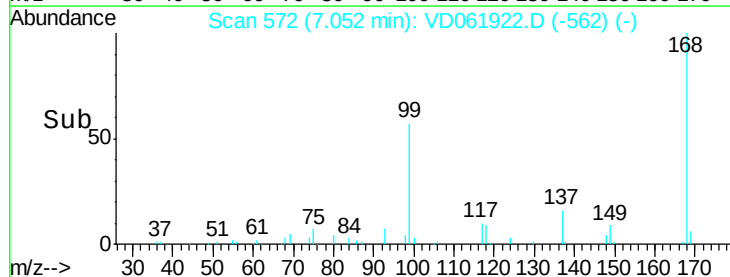
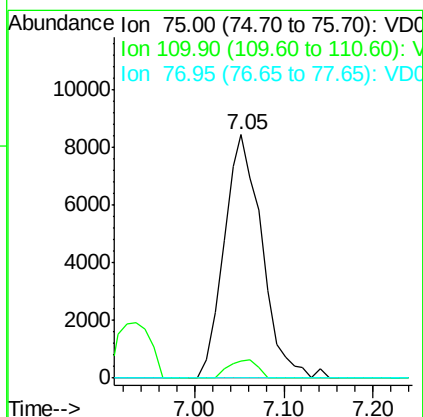
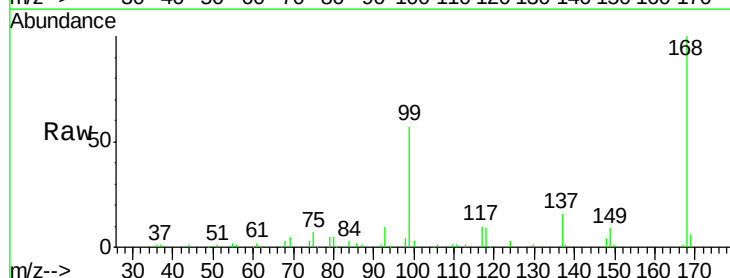
Instrument :
 MSVOA_D
 ClientSampleId :

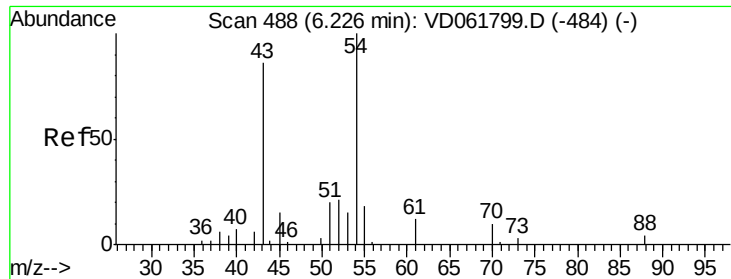
Tot Ion:113 Resp: 277248
 Ion Ratio Lower Upper
 113 100
 111 98.7 78.5 117.7
 192 16.3 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 5.844 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.10 min
 Lab File: VD061922.D
 Acq: 19 Apr 2019 21:11

Tgt Ion: 75 Resp: 24969
 Ion Ratio Lower Upper
 75 100
 110 7.1 19.1 57.1#
 77 0.0 25.6 38.4#

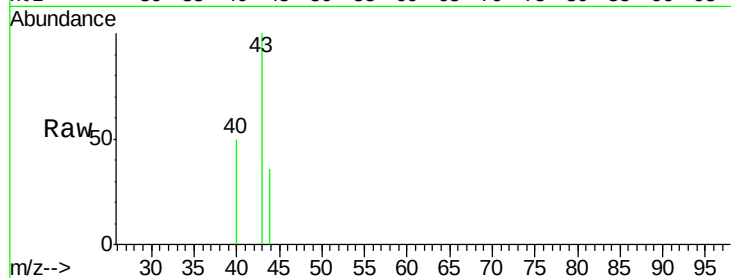




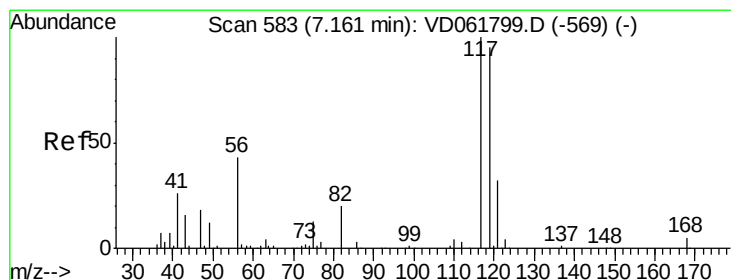
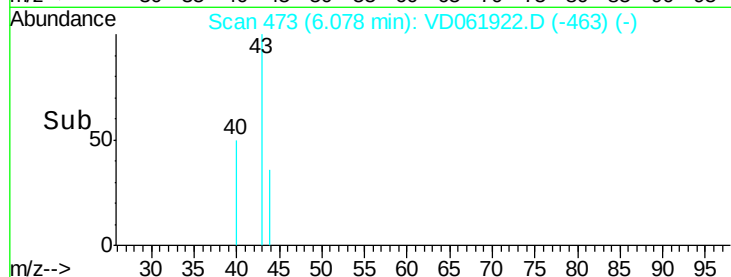
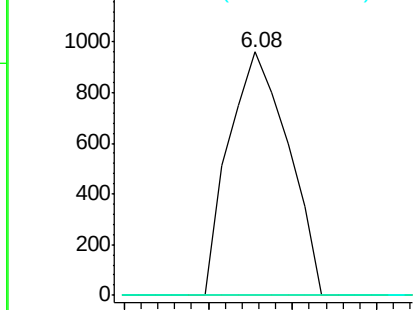
#37
Ethyl Acetate
Concen: 1.282 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.10 min
Lab File: VD061922.D
Acq: 19 Apr 2019 21:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2344
Ion Ratio Lower Upper
43 100
61 0.0 14.7 22.1#
70 0.0 7.8 11.6#

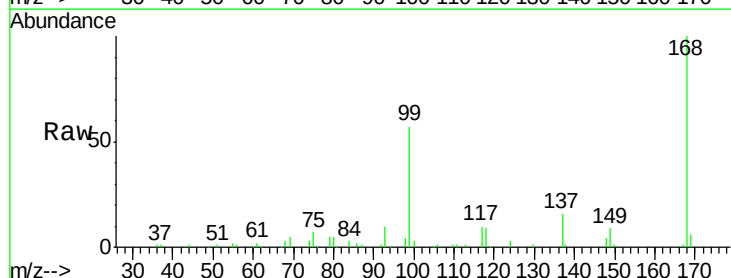


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

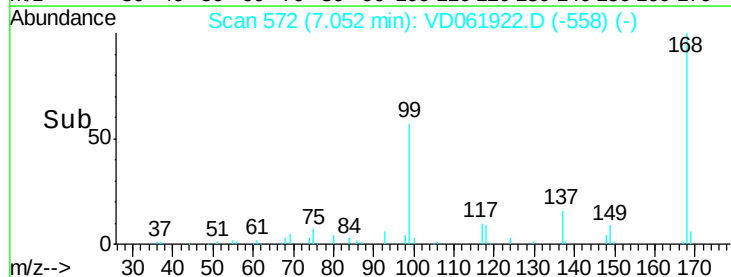
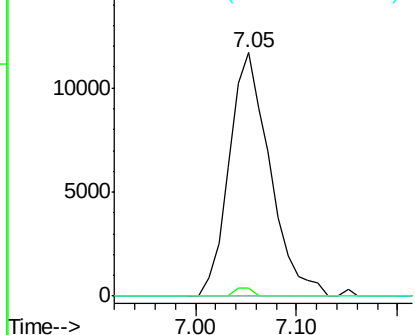


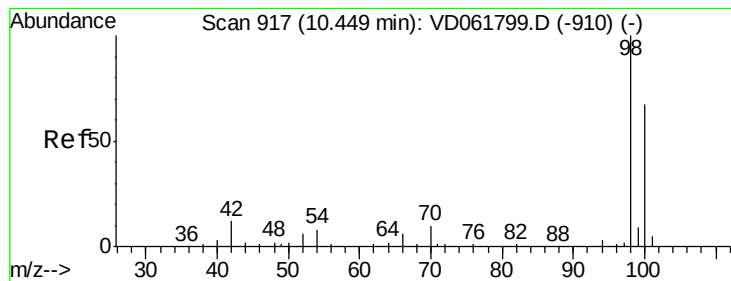
#38
Carbon Tetrachloride
Concen: 6.086 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD061922.D
Acq: 19 Apr 2019 21:11

Tgt Ion: 117 Resp: 32833
Ion Ratio Lower Upper
117 100
119 3.3 75.8 113.8#
121 0.0 25.9 38.9#



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: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061922.D

Acq: 19 Apr 2019 21:11

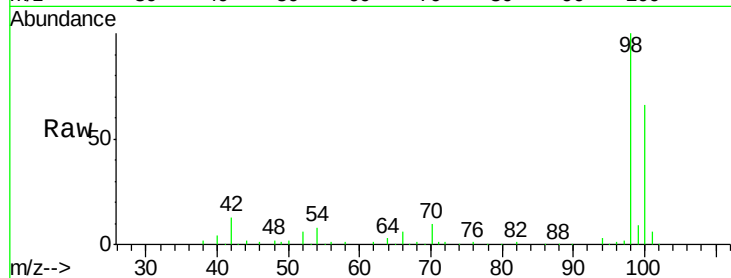
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 576804

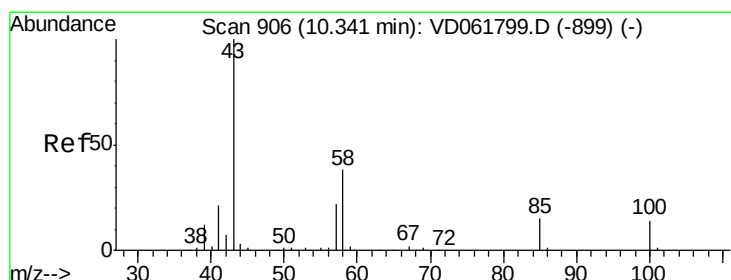
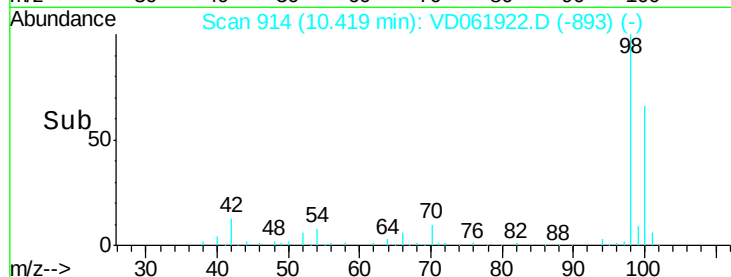
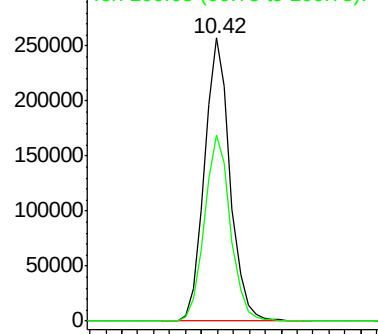
Ion Ratio Lower Upper

98 100

100 66.0 53.8 80.8



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: 1.451 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.11 min

Lab File: VD061922.D

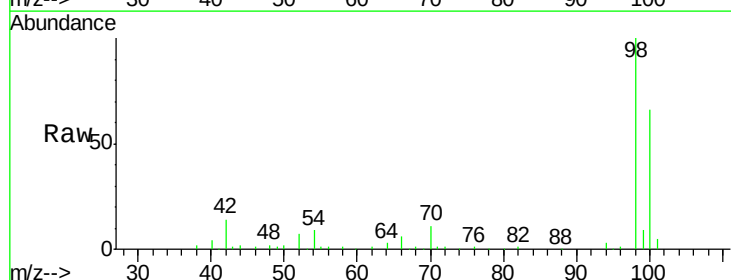
Acq: 19 Apr 2019 21:11

Tgt Ion: 43 Resp: 2284

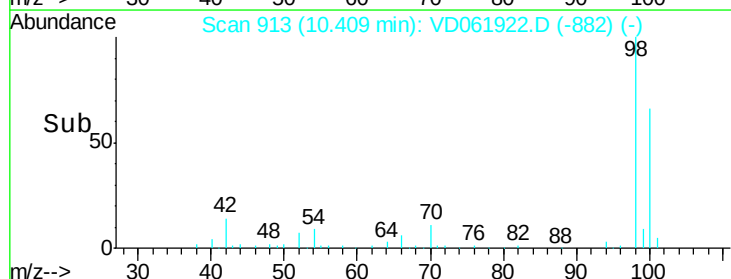
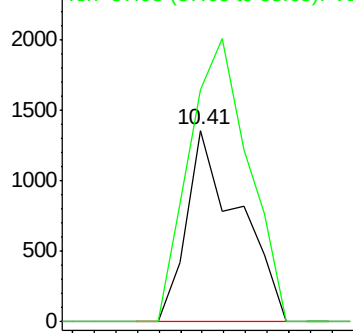
Ion Ratio Lower Upper

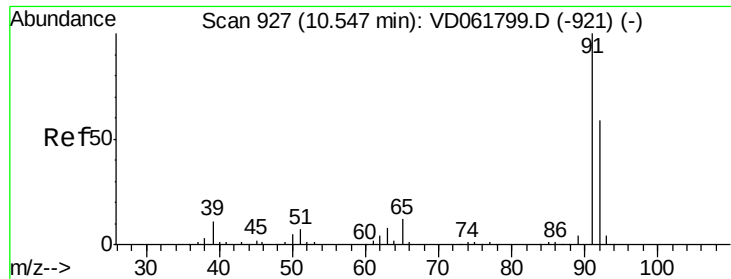
43 100

58 121.6 30.4 45.6#



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

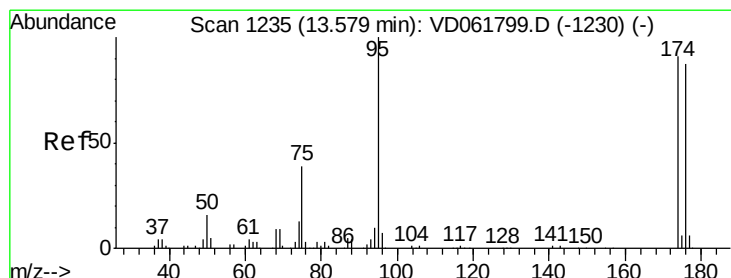
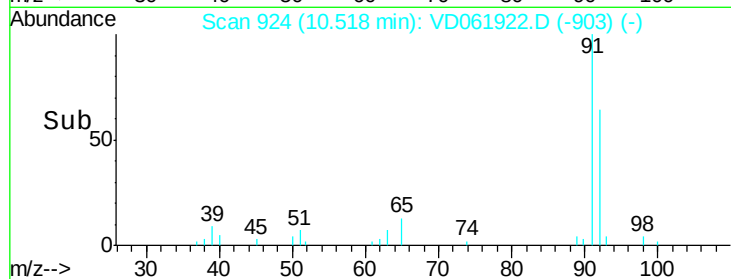
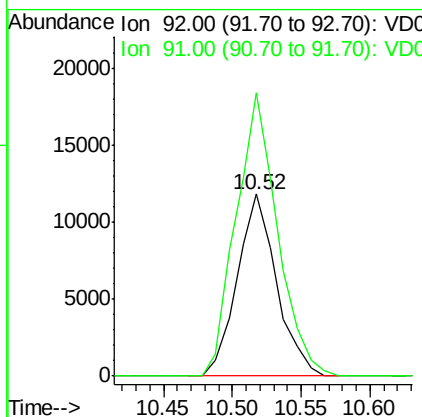
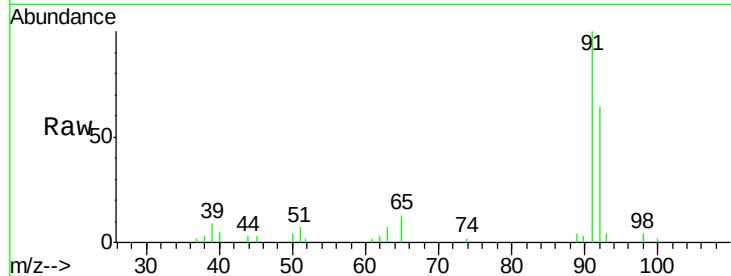




#52
Toluene
Concen: 3.576 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD061922.D
Acq: 19 Apr 2019 21:11

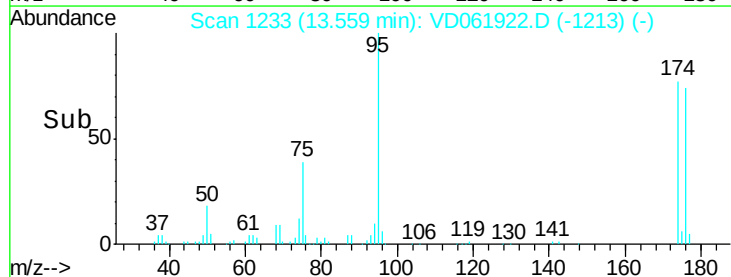
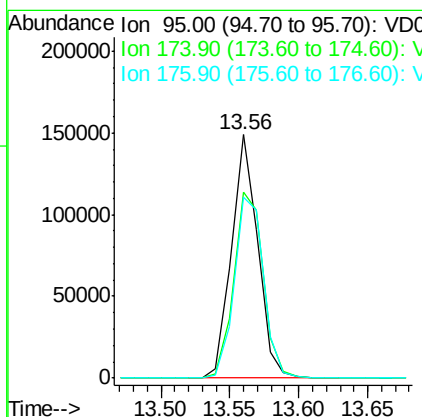
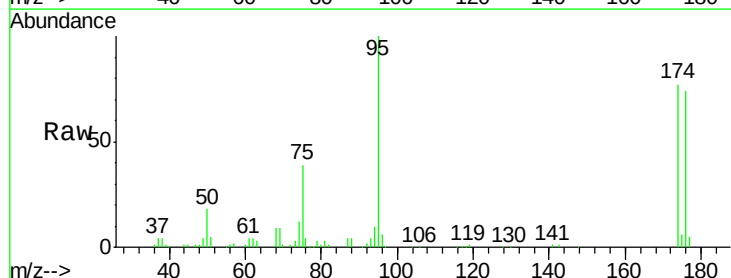
Instrument :
MSVOA_D
ClientSampleId :

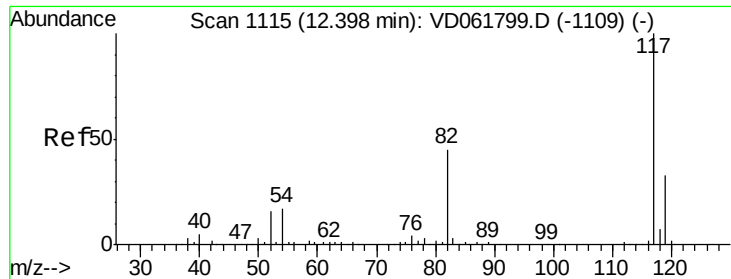
Tot Ion: 92 Resp: 23504
Ion Ratio Lower Upper
92 100
91 155.7 136.6 204.8



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD061922.D
Acq: 19 Apr 2019 21:11

Tgt Ion: 95 Resp: 196555
Ion Ratio Lower Upper
95 100
174 76.6 0.0 181.8
176 74.4 0.0 174.4

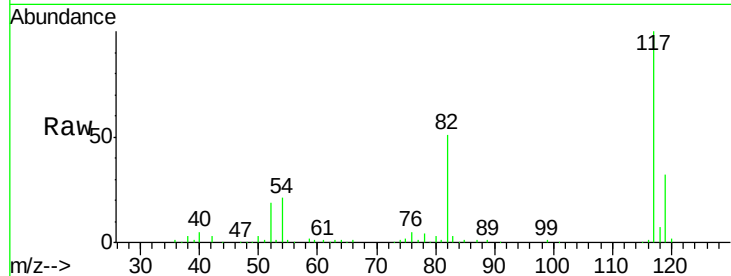




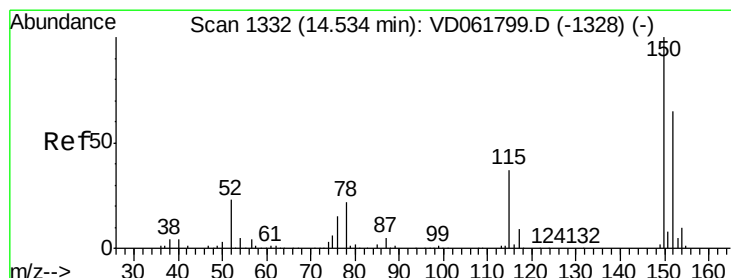
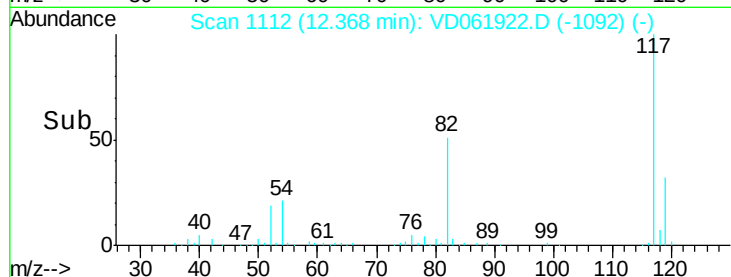
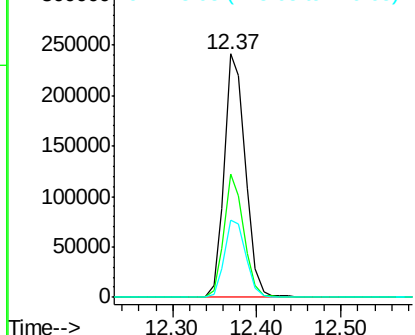
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061922.D
Acq: 19 Apr 2019 21:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 418948
Ion Ratio Lower Upper
117 100
82 50.6 36.2 54.2
119 31.6 26.2 39.4

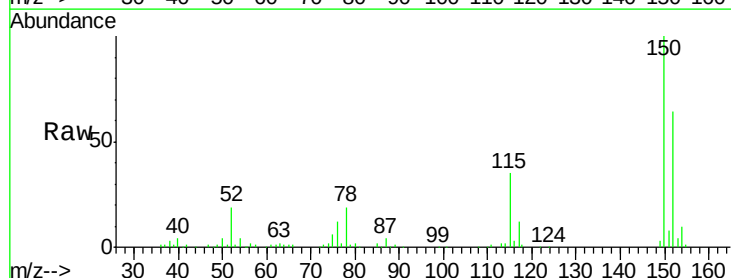


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

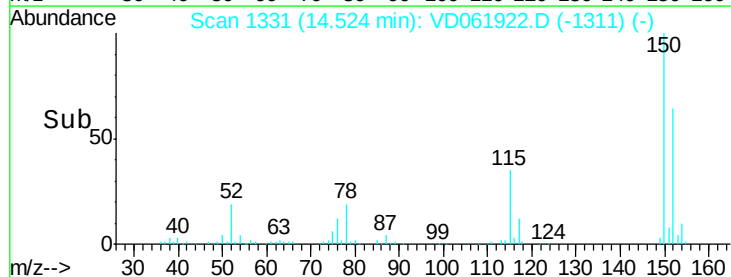
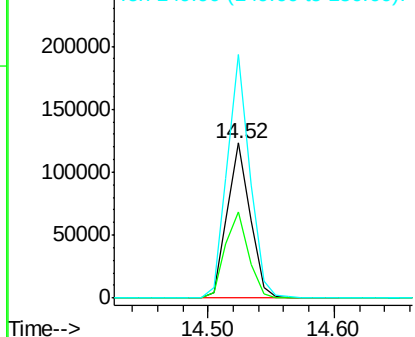


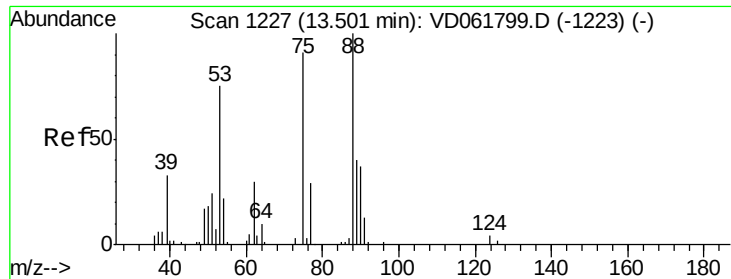
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061922.D
Acq: 19 Apr 2019 21:11

Tgt Ion:152 Resp: 154025
Ion Ratio Lower Upper
152 100
115 55.5 30.9 92.7
150 157.2 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: 110.736 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

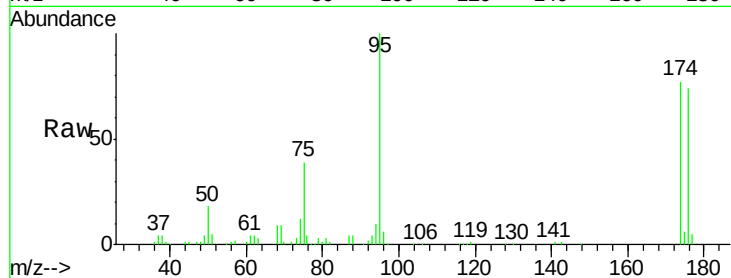
Lab File: VD061922.D

Acq: 19 Apr 2019 21:11

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion:	75	Resp:	75435
Ion	Ratio	Lower	Upper
75	100		
53	0.0	65.8	98.8#
89	0.0	35.0	52.6#

