

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061939.D
 Acq On : 22 Apr 2019 15:26
 Operator : VA/AP
 Sample : K2201-05
 Misc : 6.77g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 22 23:32:31 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	411079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	613694	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	117559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	164818	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	198754	57.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.38%	
35) Dibromofluoromethane	6.92	113	276804	59.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.40%	
50) Toluene-d8	10.41	98	18060	1.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	3.28%	
62) 4-Bromofluorobenzene	13.56	95	136618	30.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.36%	

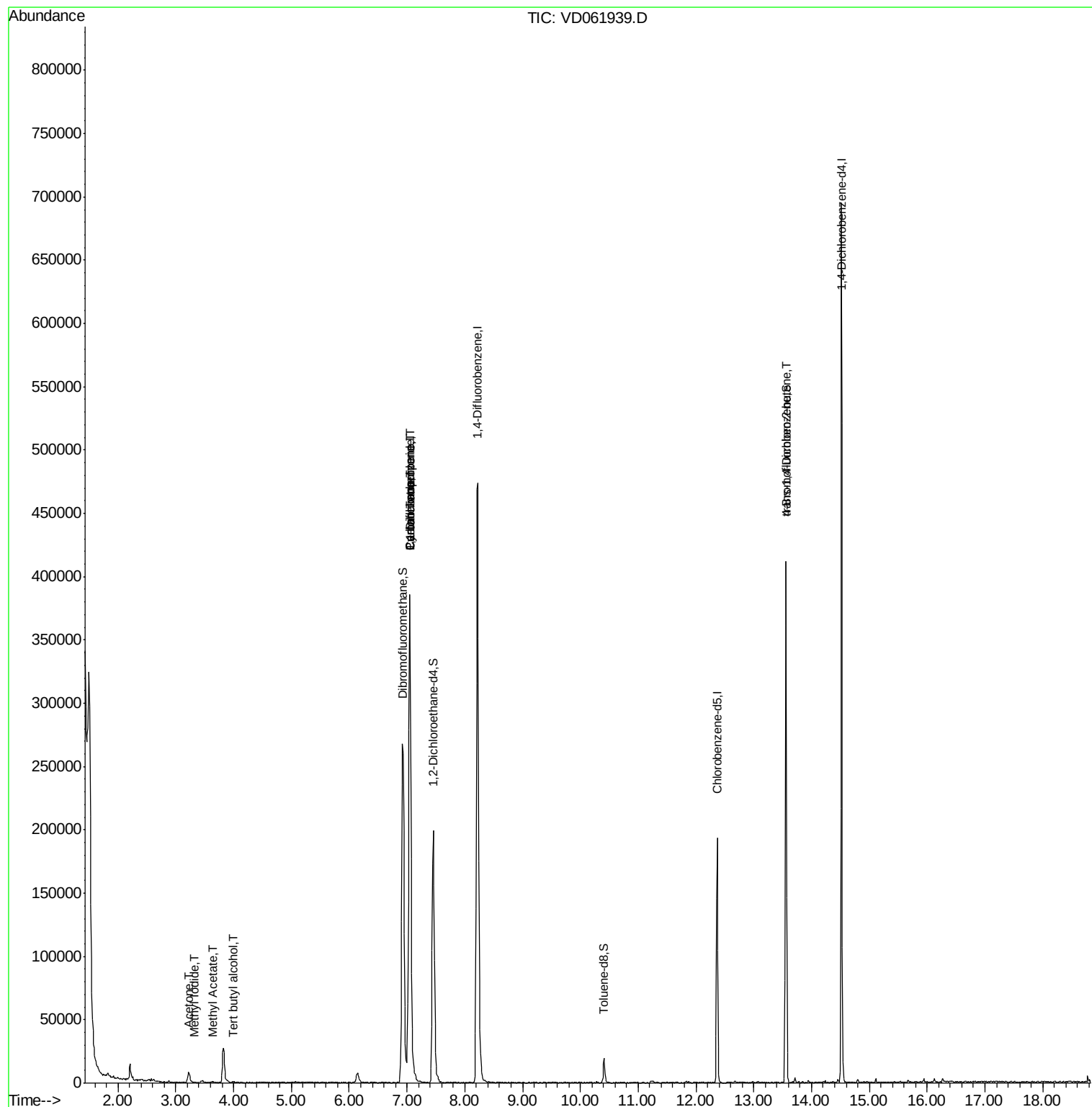
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	392	Below Cal	#	12
10) Methyl Iodide	3.32	142	1121	3.657	ug/l #	37
11) Tert butyl alcohol	4.00	59	882	4.341	ug/l #	76
16) Acetone	3.22	43	15534	18.294	ug/l	96
18) Methyl Acetate	3.65	43	2468	1.450	ug/l #	53
31) Cyclohexane	7.05	56	6751	1.294	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	29309	5.844	ug/l #	47
38) Carbon Tetrachloride	7.04	117	39237	6.196	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	50845	70.980	ug/l #	16

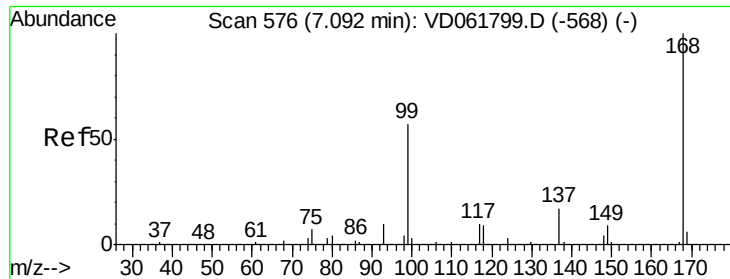
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042219\
Data File : VD061939.D
Acq On : 22 Apr 2019 15:26
Operator : VA/AP
Sample : K2201-05
Misc : 6.77g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 22 23:32:31 2019
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: VD061939.D

Acq: 22 Apr 2019 15:26

Instrument :

MSVOA_D

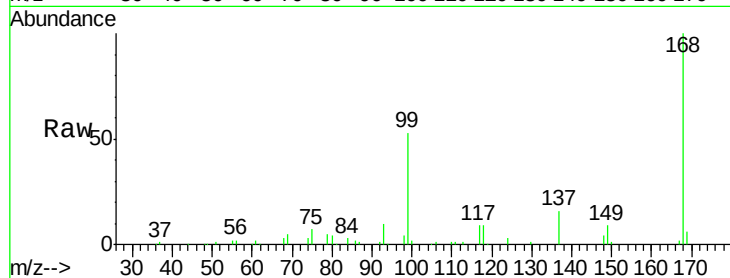
ClientSampleId :

Tot Ion:168 Resp: 411079

Ion Ratio Lower Upper

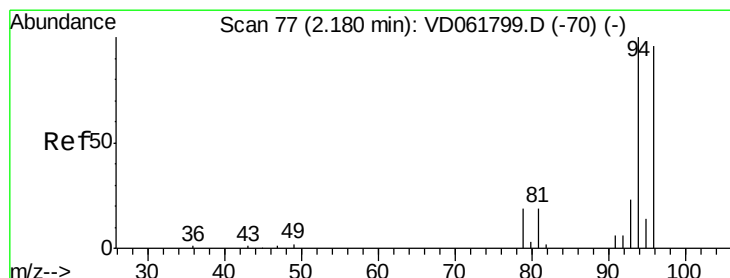
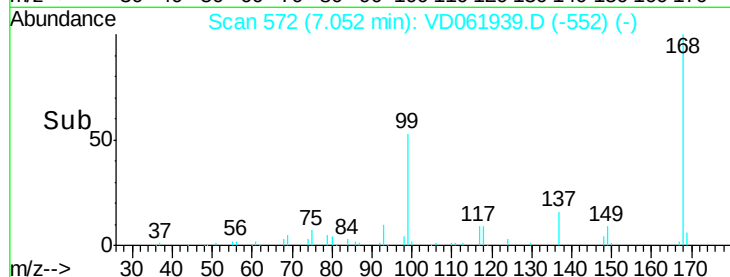
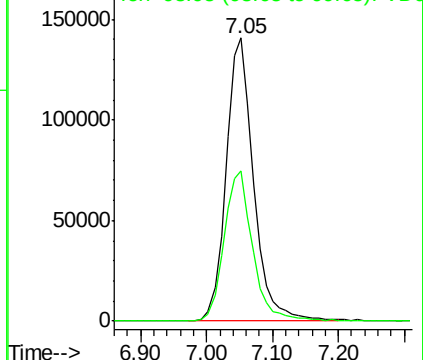
168 100

99 53.1 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: VD061939.D

Acq: 22 Apr 2019 15:26

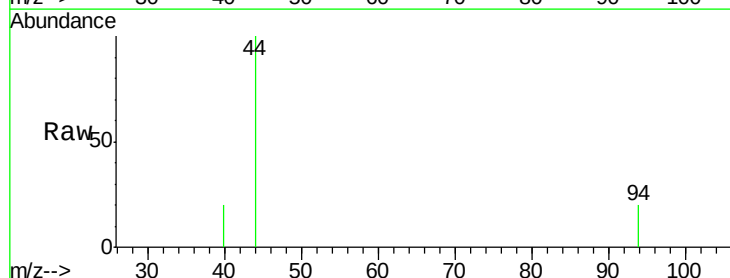
Tgt Ion: 94 Resp: 392

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

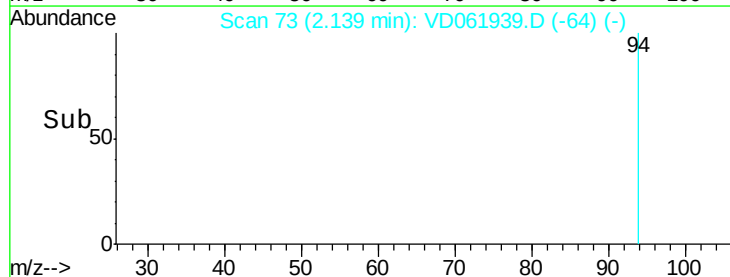
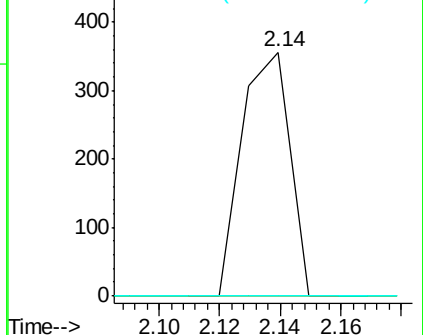
93 0.0 18.5 27.7#

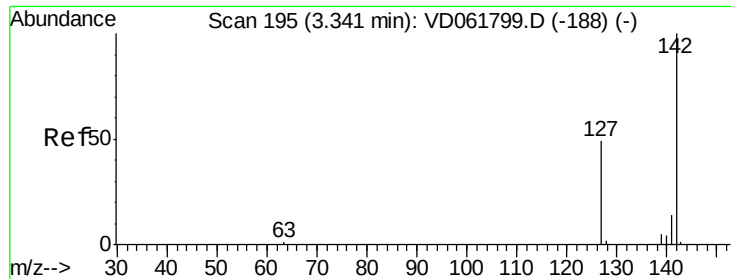


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

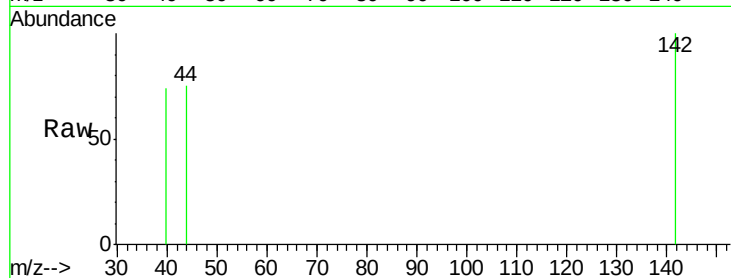




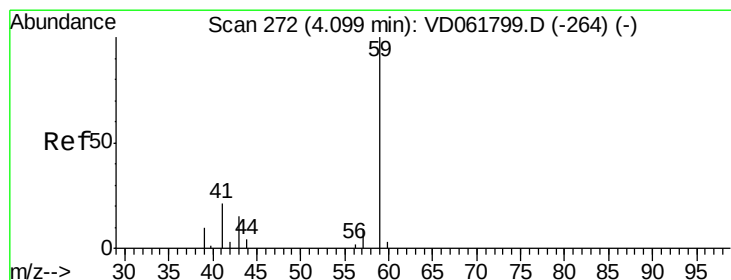
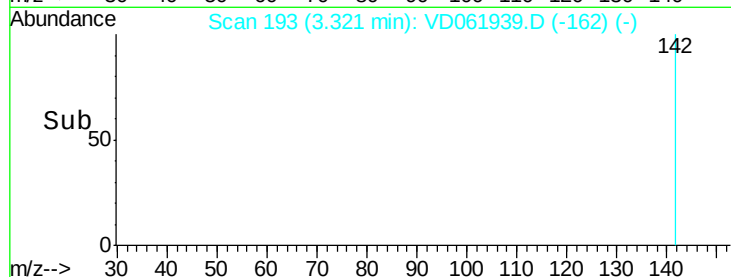
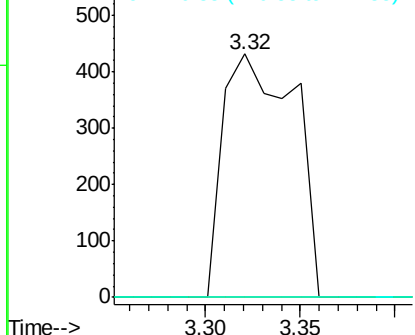
#10
Methvl Iodide
Concen: 3.657 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.01 min
Lab File: VD061939.D
Acq: 22 Apr 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 1121
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

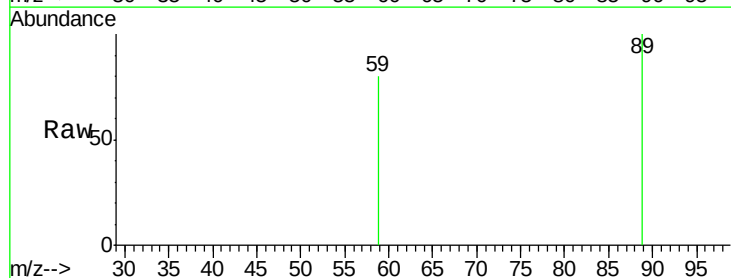


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

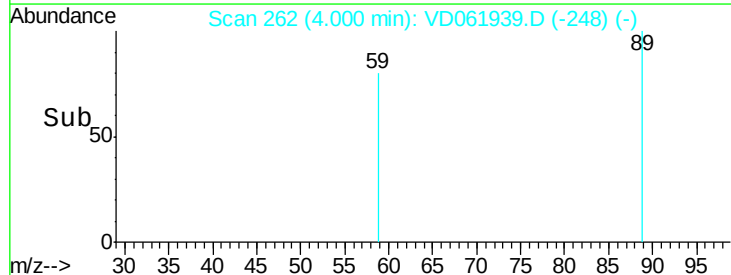
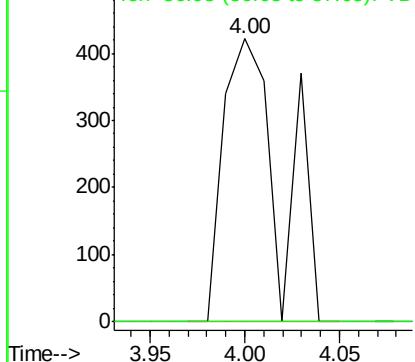


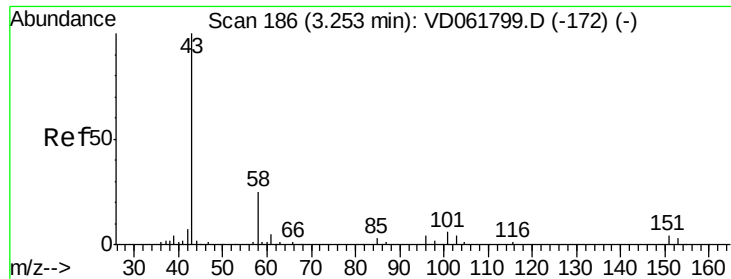
#11
Tert butyl alcohol
Concen: 4.341 ug/l
RT: 4.00 min Scan# 262
Delta R.T. -0.06 min
Lab File: VD061939.D
Acq: 22 Apr 2019 15:26

Tgt Ion: 59 Resp: 882
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#



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





#16

Acetone

Concen: 18.294 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061939.D

Acq: 22 Apr 2019 15:26

Instrument :

MSVOA_D

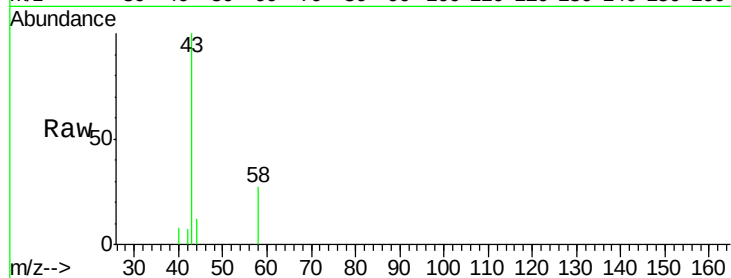
ClientSampleId :

Tot Ion: 43 Resp: 15534

Ion Ratio Lower Upper

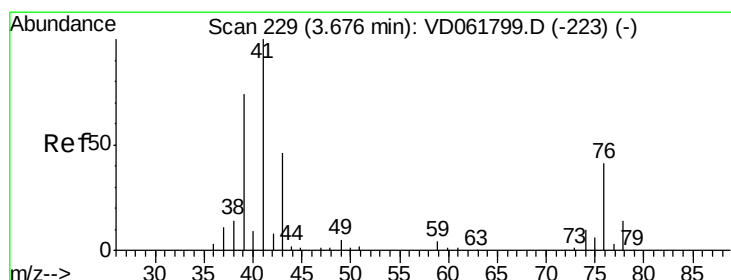
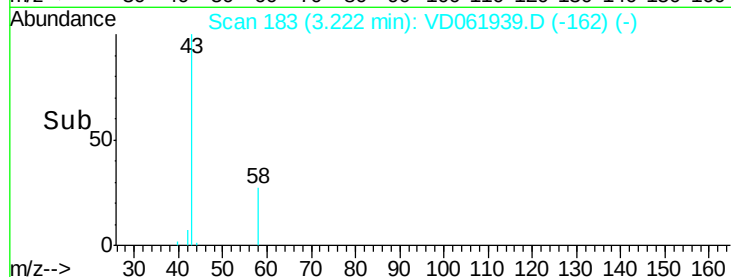
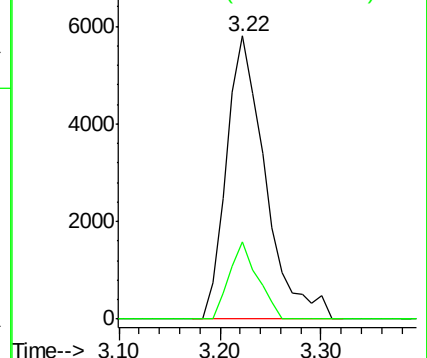
43 100

58 27.1 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.450 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061939.D

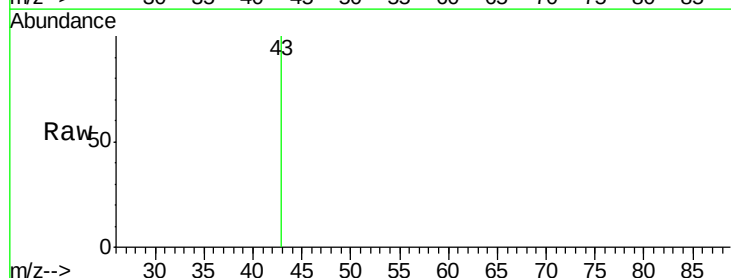
Acq: 22 Apr 2019 15:26

Tgt Ion: 43 Resp: 2468

Ion Ratio Lower Upper

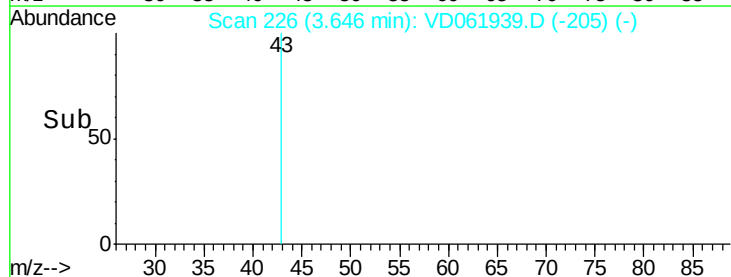
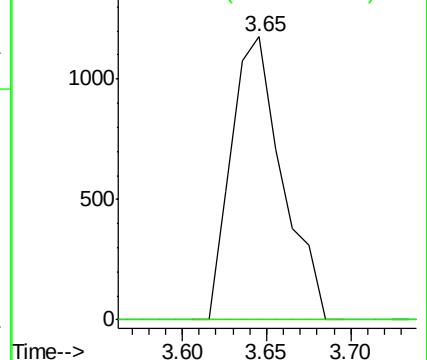
43 100

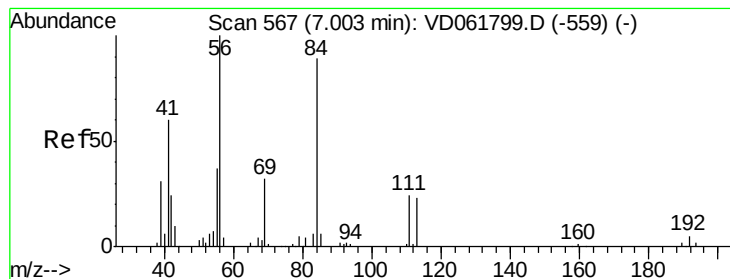
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#31

Cyclohexane

Concen: 1.294 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD061939.D

Acq: 22 Apr 2019 15:26

Instrument :

MSVOA_D

ClientSampled :

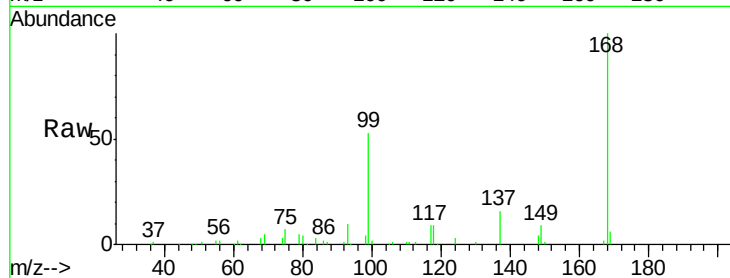
Tot Ion: 56 Resp: 6751

Ion Ratio Lower Upper

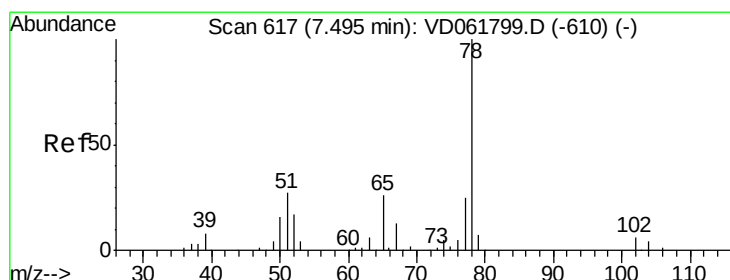
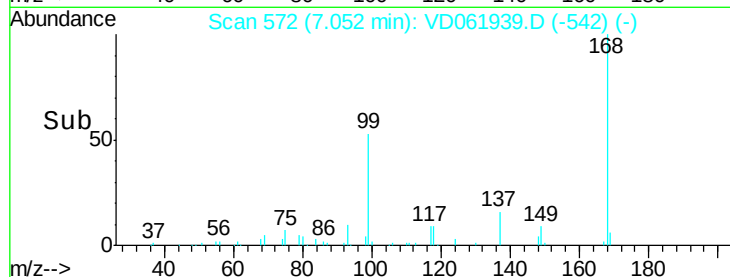
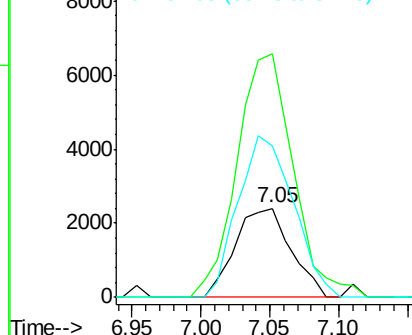
56 100

69 272.4 25.8 38.6#

84 169.4 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: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061939.D

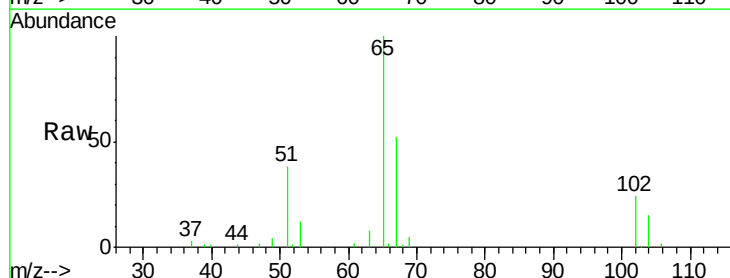
Acq: 22 Apr 2019 15:26

Tgt Ion: 65 Resp: 198754

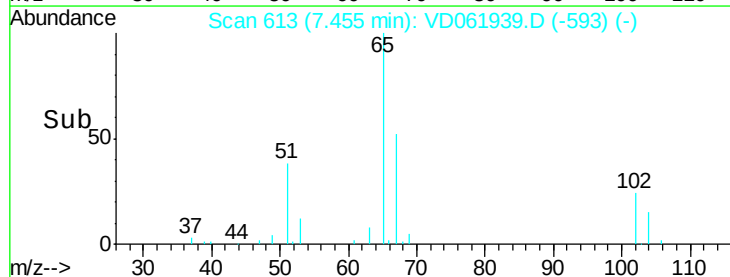
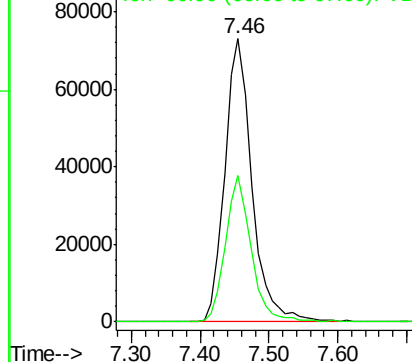
Ion Ratio Lower Upper

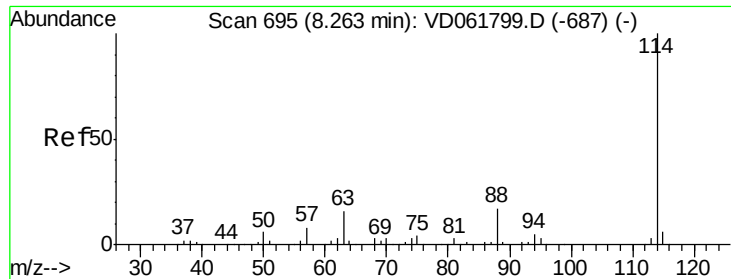
65 100

67 51.7 0.0 98.0



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

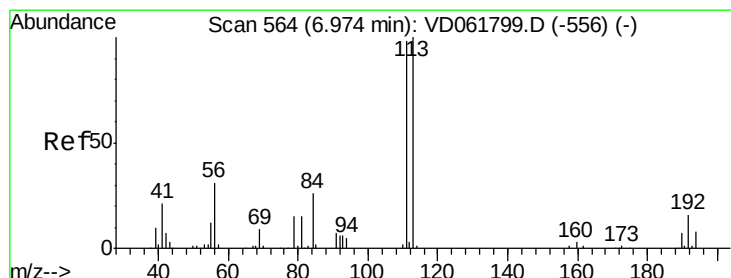
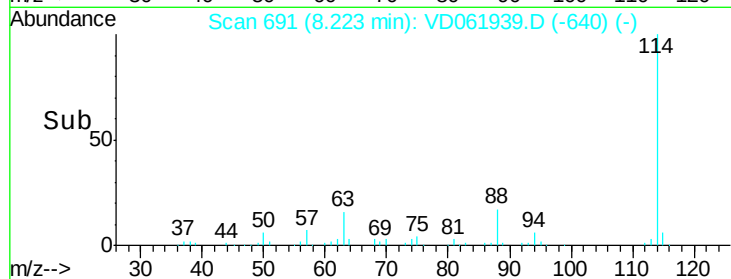
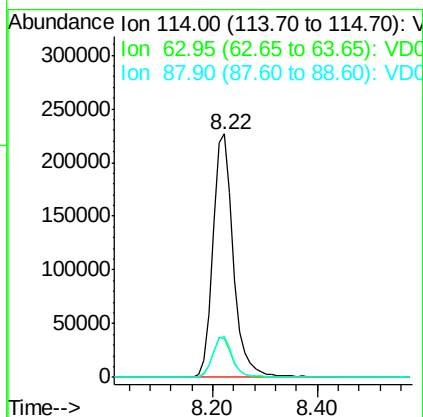
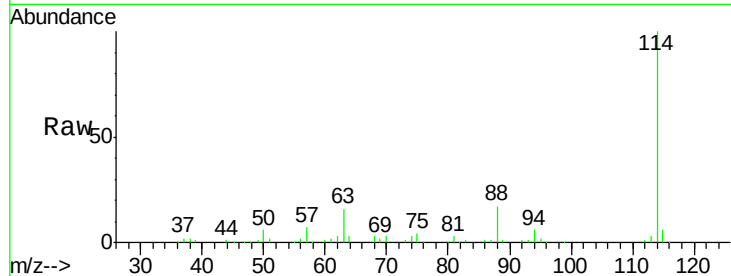




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061939.D
 Acq: 22 Apr 2019 15:26

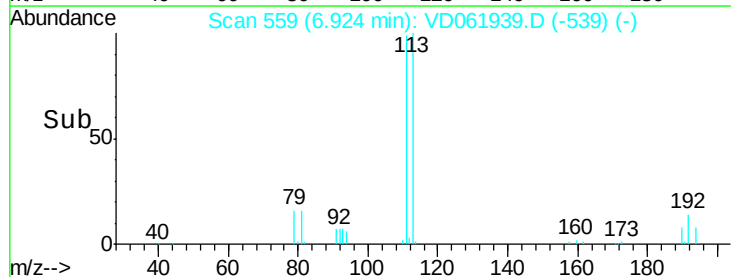
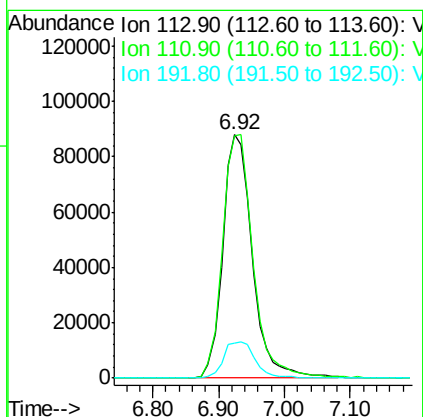
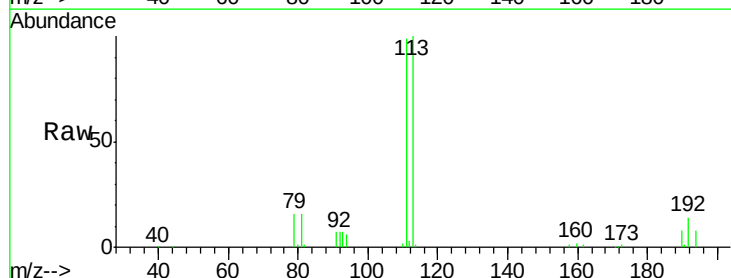
Instrument :
 MSVOA_D
 ClientSampleId :

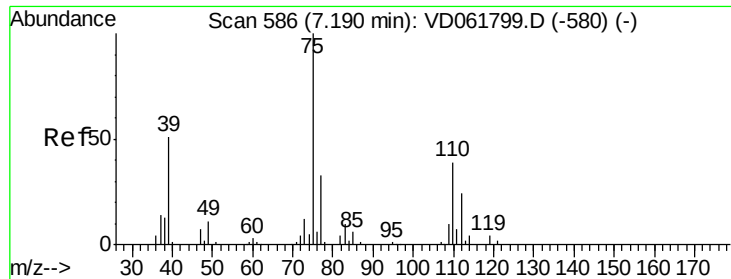
Tot Ion:114 Resp: 613694
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 32.4
 88 16.8 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061939.D
 Acq: 22 Apr 2019 15:26

Tgt Ion:113 Resp: 276804
 Ion Ratio Lower Upper
 113 100
 111 99.5 78.5 117.7
 192 14.5 13.0 19.4

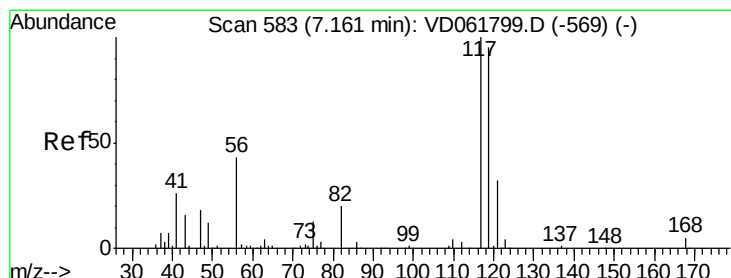
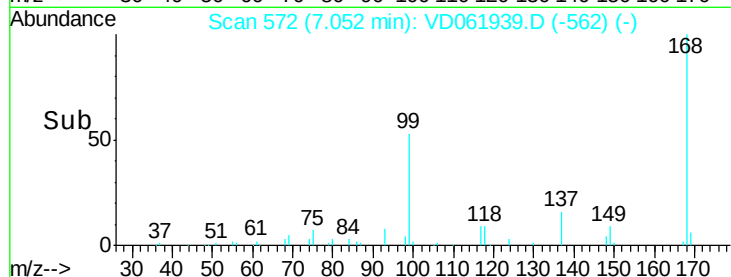
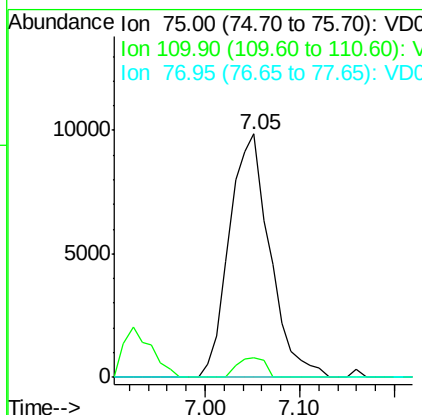
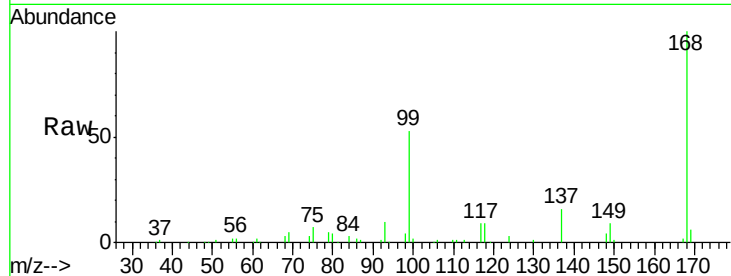




#36
 1,1-Dichloropropene
 Concen: 5.844 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.10 min
 Lab File: VD061939.D
 Acq: 22 Apr 2019 15:26

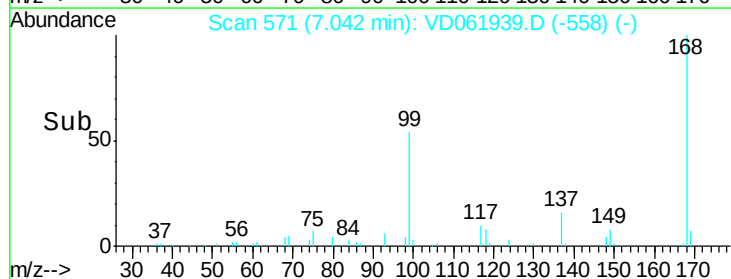
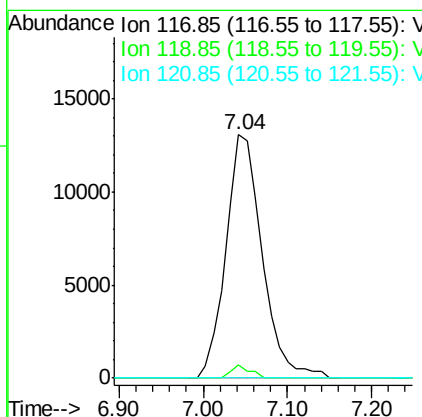
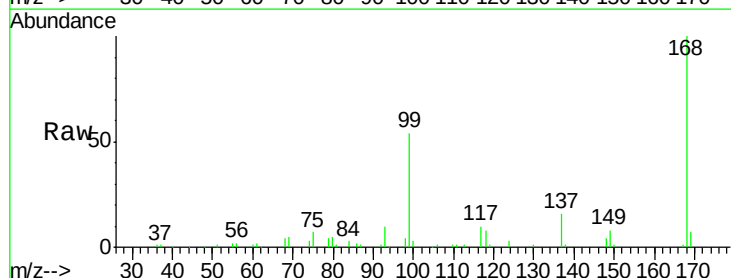
Instrument :
 MSVOA_D
 ClientSampled :

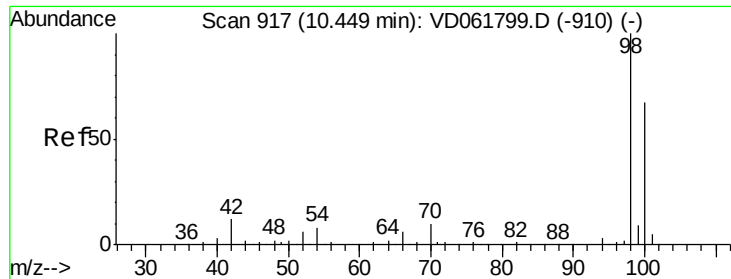
Tot Ion: 75 Resp: 29309
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.1 57.1#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 6.196 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061939.D
 Acq: 22 Apr 2019 15:26

Tgt Ion: 117 Resp: 39237
 Ion Ratio Lower Upper
 117 100
 119 5.4 75.8 113.8#
 121 0.0 25.9 38.9#

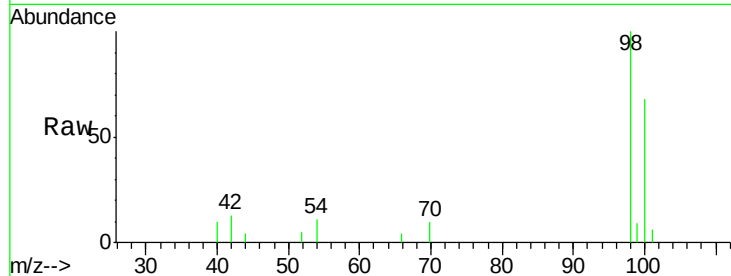




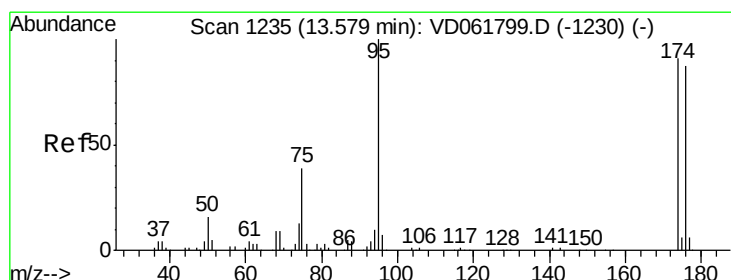
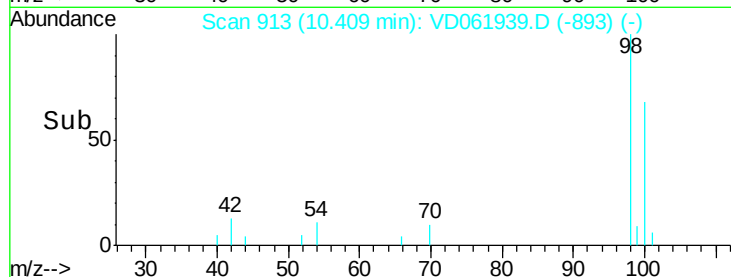
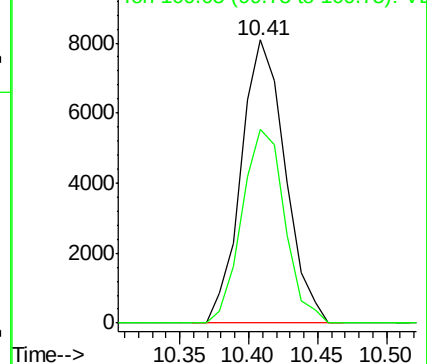
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061939.D
Acq: 22 Apr 2019 15:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 18060
Ion Ratio Lower Upper
98 100
100 68.3 53.8 80.8

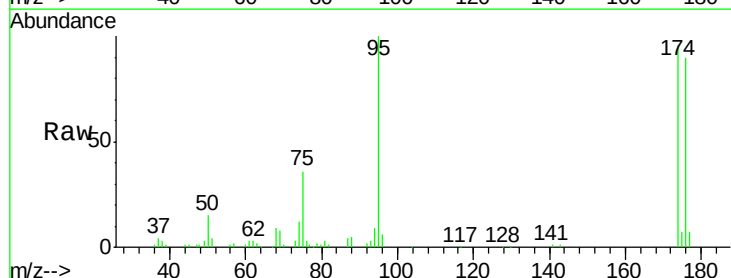


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

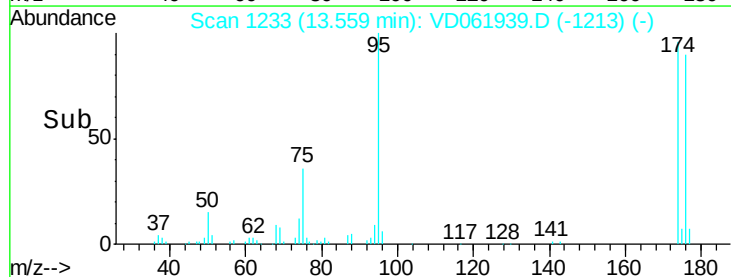
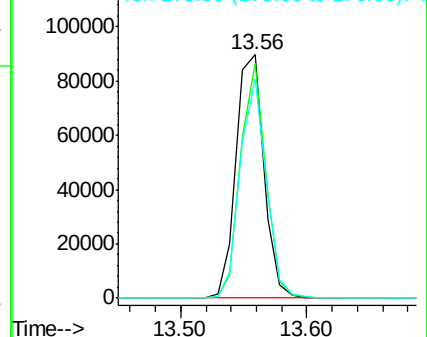


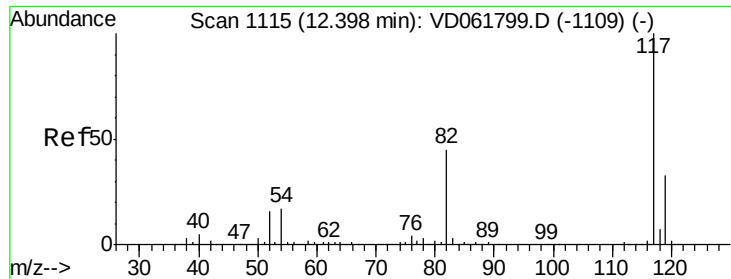
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD061939.D
Acq: 22 Apr 2019 15:26

Tgt Ion: 95 Resp: 136618
Ion Ratio Lower Upper
95 100
174 96.4 0.0 181.8
176 90.1 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

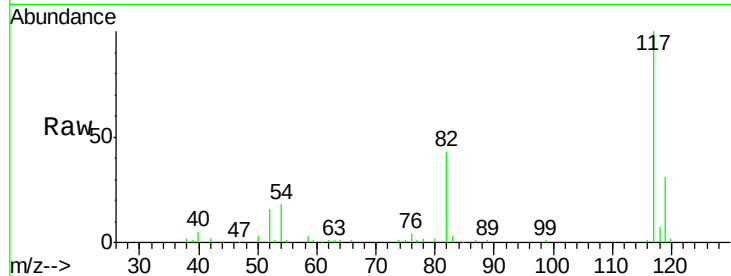




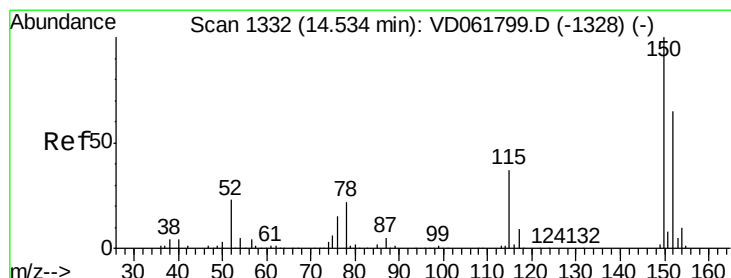
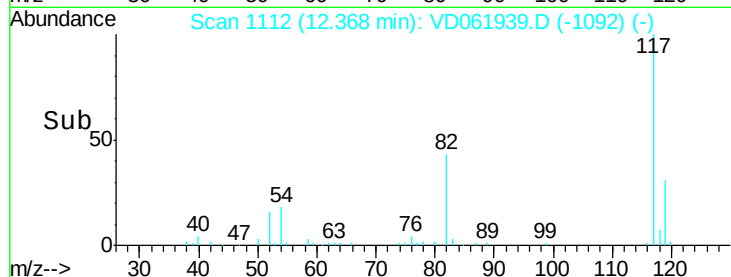
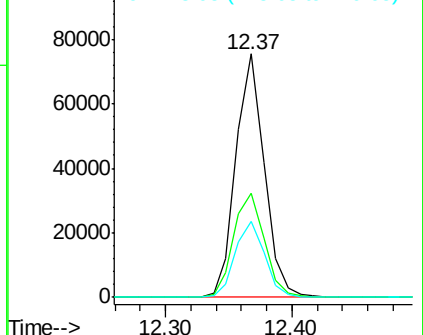
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061939.D
Acq: 22 Apr 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 117559
Ion Ratio Lower Upper
117 100
82 42.8 36.2 54.2
119 30.9 26.2 39.4

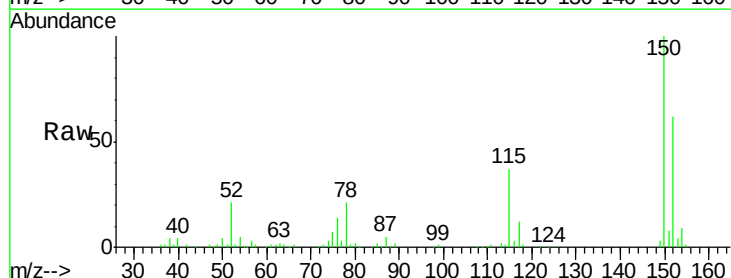


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

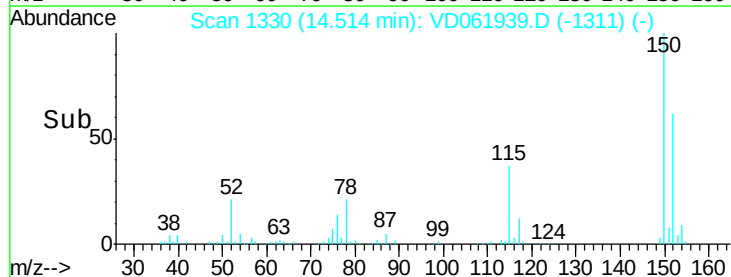
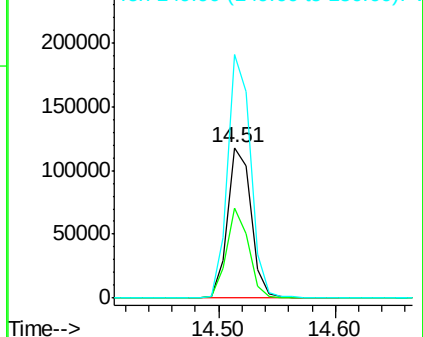


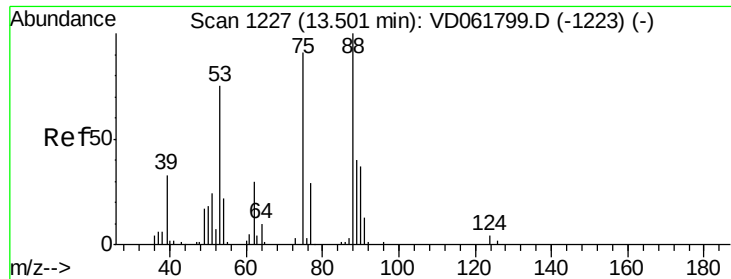
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061939.D
Acq: 22 Apr 2019 15:26

Tgt Ion:152 Resp: 164818
Ion Ratio Lower Upper
152 100
115 60.2 30.9 92.7
150 161.6 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: 70.980 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061939.D

Acq: 22 Apr 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

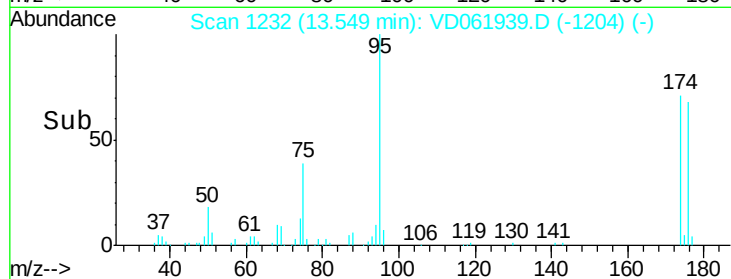
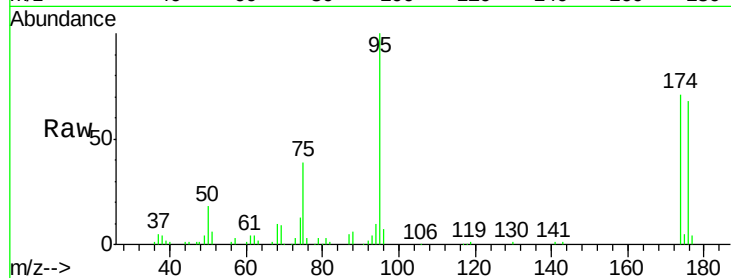
Tot Ion: 75 Resp: 50845

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

