

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061920.D
 Acq On : 19 Apr 2019 20:11
 Operator : VA/AP
 Sample : K2413-01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 19 23:11:26 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	7.06	168	378444	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	683566	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	497963	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	168505	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	210818	66.47	ug/l	0.01
Spiked Amount 50.000			Recovery	=	132.94%	
35) Dibromofluoromethane	6.94	113	267596	51.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.64%	
50) Toluene-d8	10.42	98	473142	38.67	ug/l	0.01
Spiked Amount 50.000			Recovery	=	77.34%	
62) 4-Bromofluorobenzene	13.56	95	166795	33.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.26%	

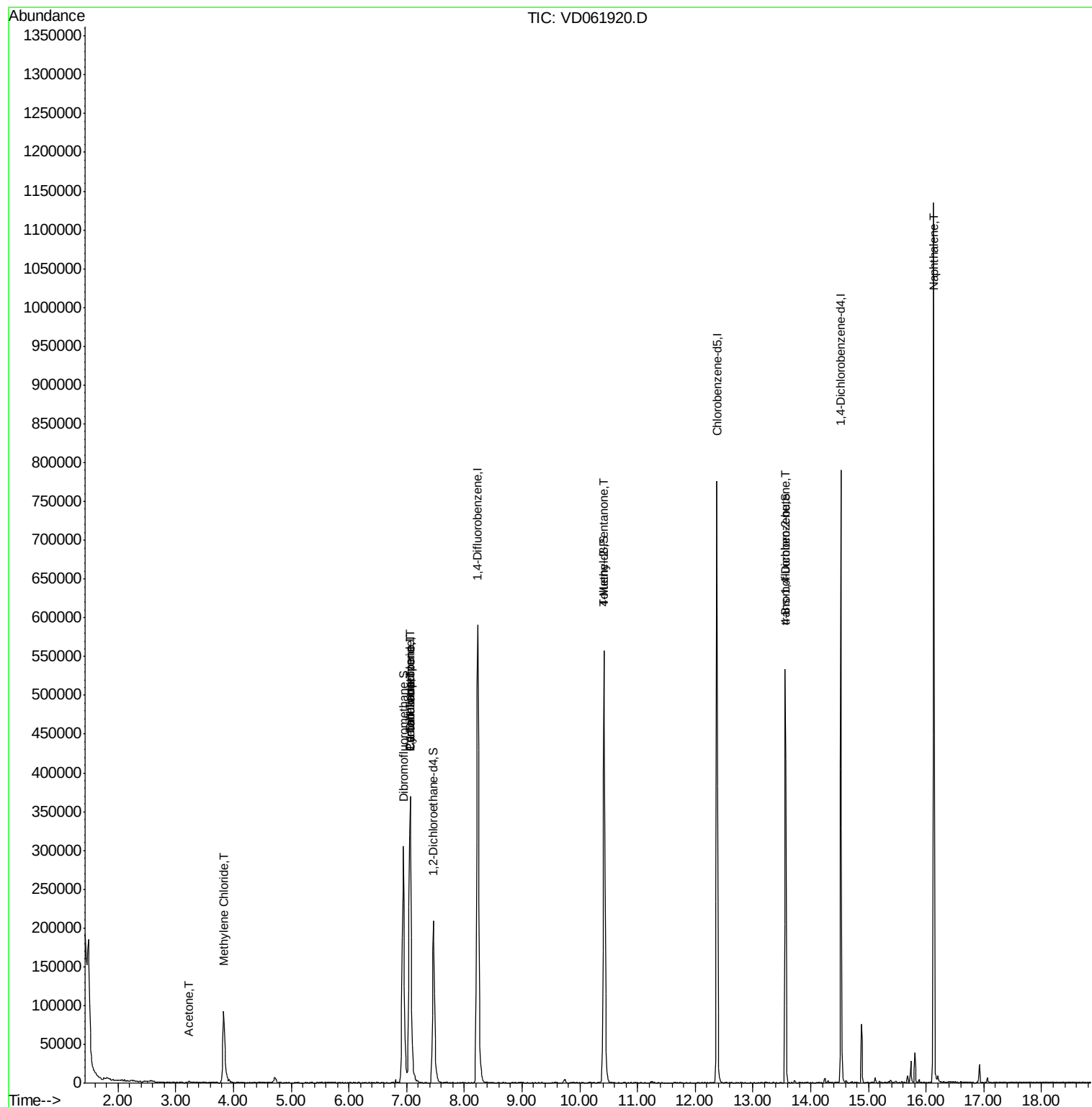
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	196	Below Cal	#	12
16) Acetone	3.24	43	4866	6.225	ug/l #	50
20) Methylene Chloride	3.83	84	67680	14.127	ug/l	98
31) Cyclohexane	7.06	56	5895	1.227	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	29014	5.194	ug/l #	48
38) Carbon Tetrachloride	7.06	117	35846	5.082	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	2078	1.010	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	66129	89.393	ug/l #	16
95) Naphthalene	16.13	128	688682	180.215	ug/l	99

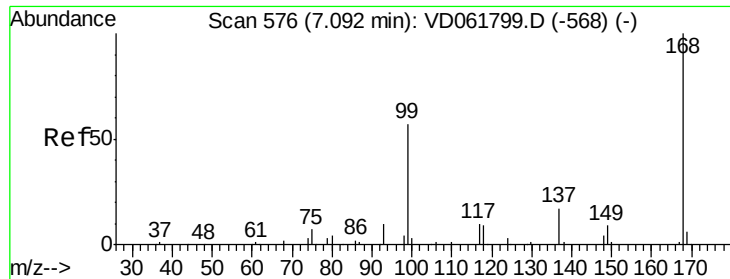
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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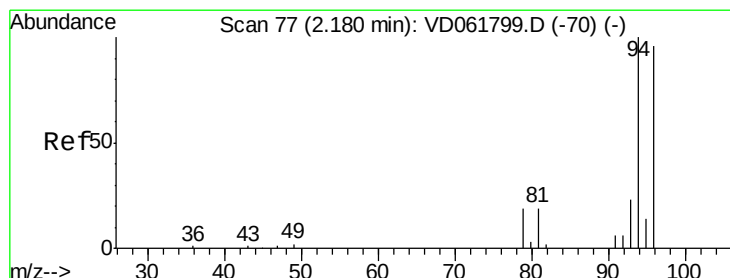
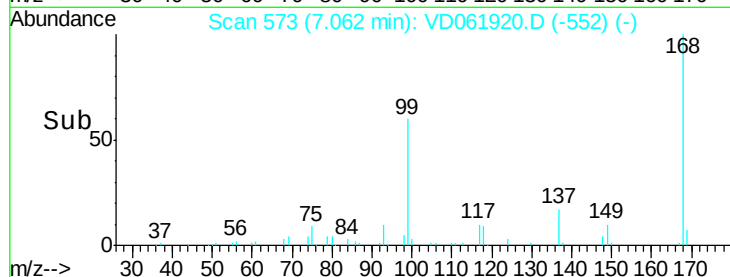
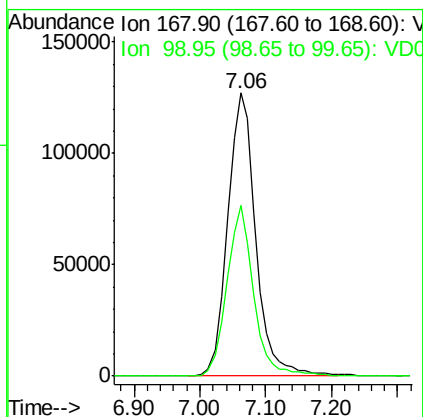
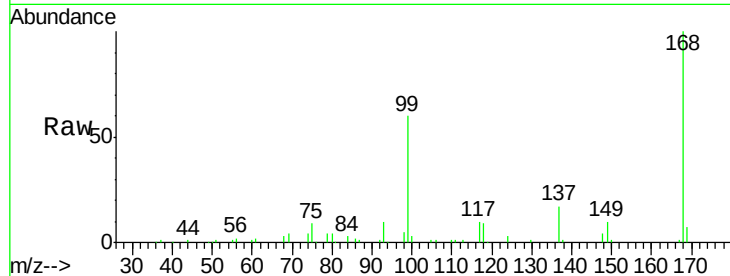




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.01 min
Lab File: VD061920.D
Acq: 19 Apr 2019 20:11

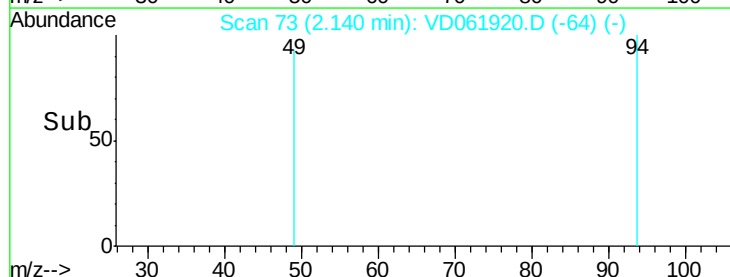
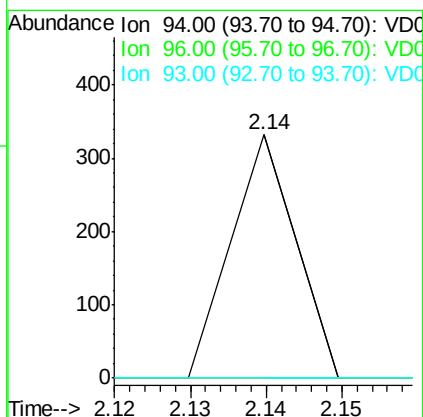
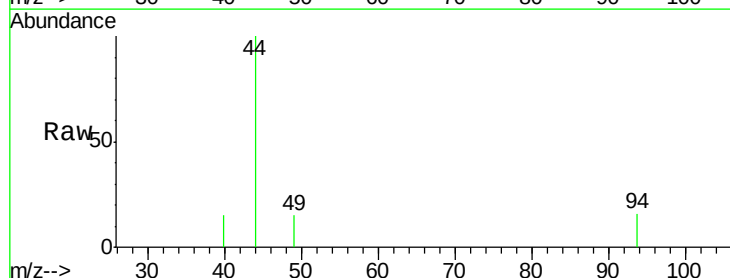
Instrument :
MSVOA_D
ClientSampleId :

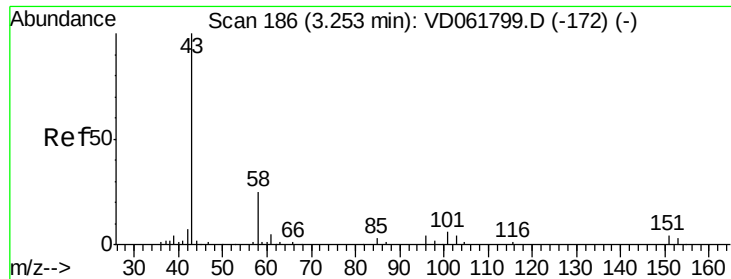
Tot Ion:168 Resp: 378444
Ion Ratio Lower Upper
168 100
99 60.3 46.5 69.7



#5
Bromomethane
Concen: Below Cal
RT: 2.14 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061920.D
Acq: 19 Apr 2019 20:11

Tgt Ion: 94 Resp: 196
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#
93 0.0 18.5 27.7#





#16

Acetone

Concen: 6.225 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.03 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

Instrument :

MSVOA_D

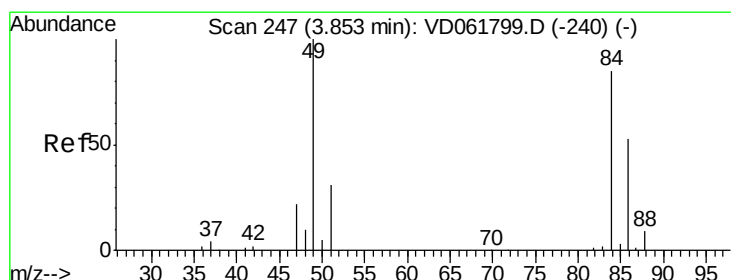
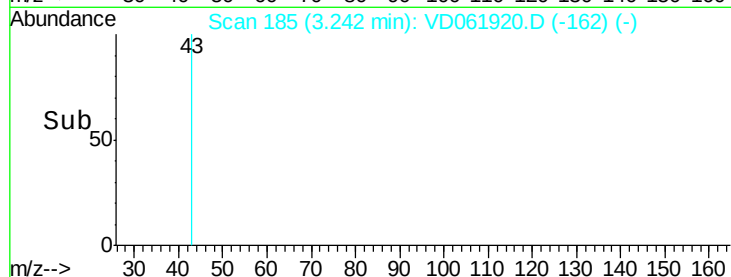
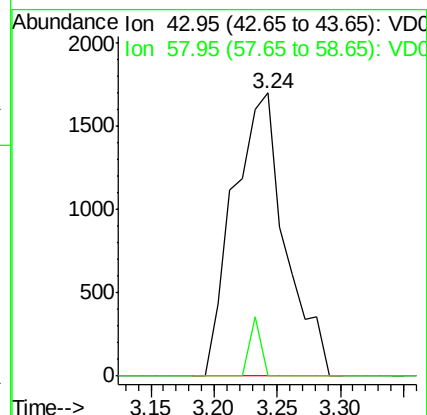
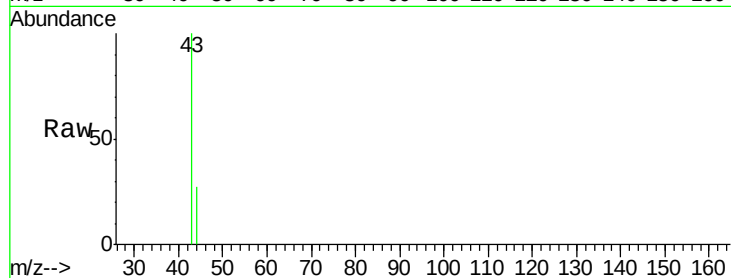
ClientSampleId :

Tot Ion: 43 Resp: 4866

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



#20

Methylene Chloride

Concen: 14.127 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

Tgt Ion: 84 Resp: 67680

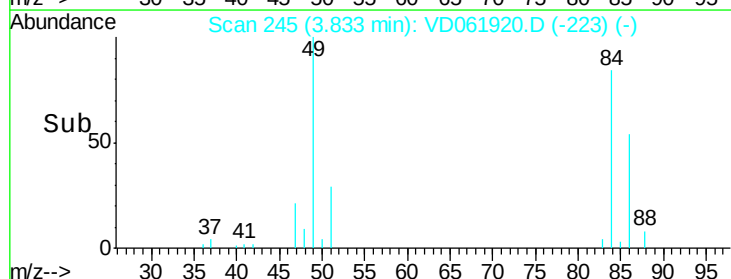
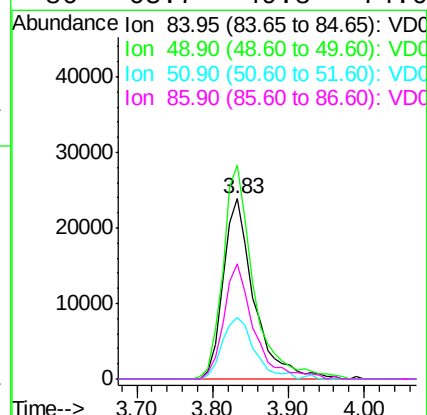
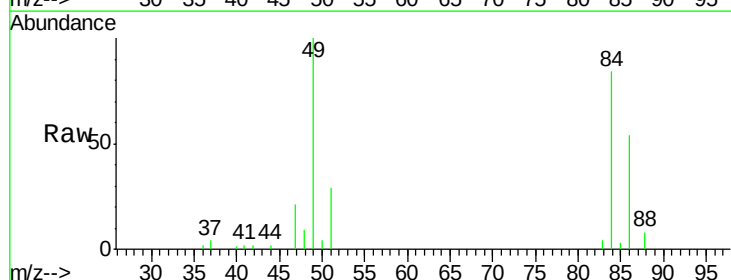
Ion Ratio Lower Upper

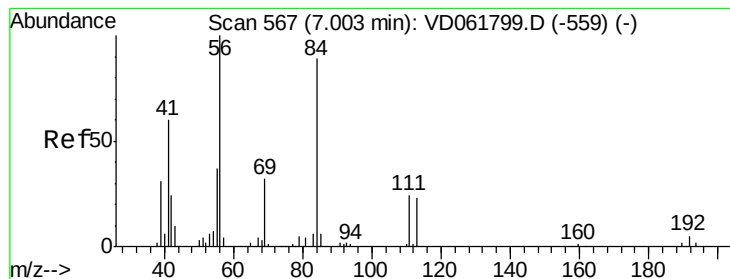
84 100

49 118.6 94.0 141.0

51 34.4 29.0 43.4

86 63.7 49.8 74.6





#31

Cyclohexane

Concen: 1.227 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.11 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

Instrument :

MSVOA_D

ClientSampled :

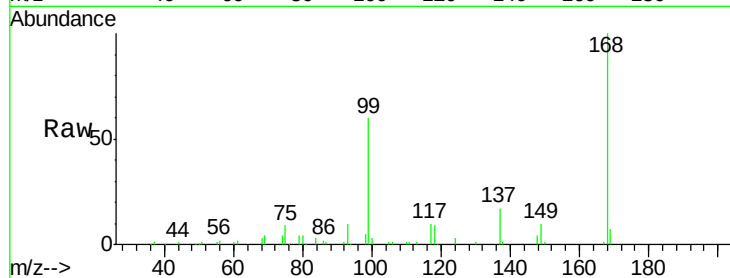
Tot Ion: 56 Resp: 5895

Ion Ratio Lower Upper

56 100

69 194.9 25.8 38.6#

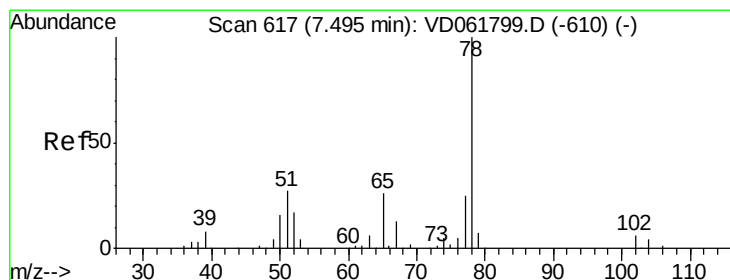
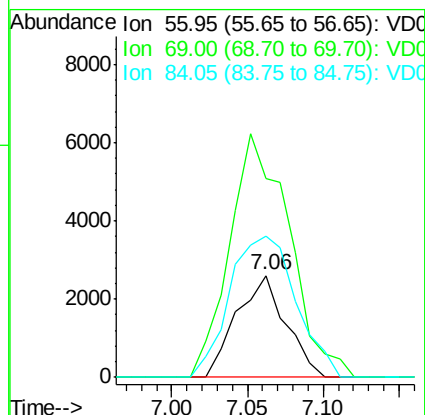
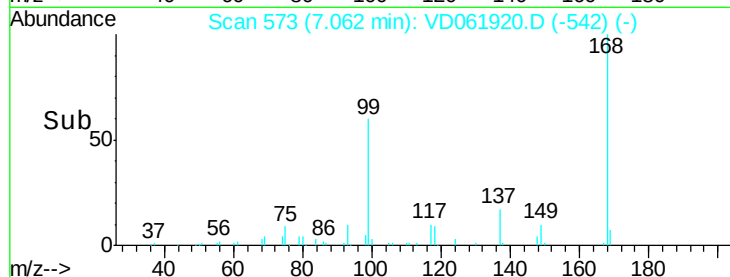
84 138.5 72.2 108.4#



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: VD061920.D

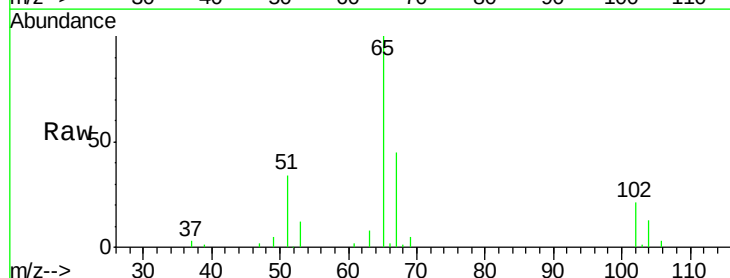
Acq: 19 Apr 2019 20:11

Tgt Ion: 65 Resp: 210818

Ion Ratio Lower Upper

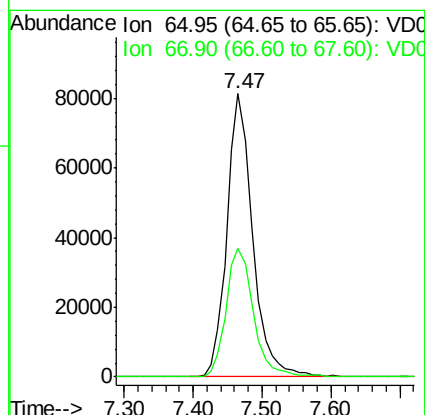
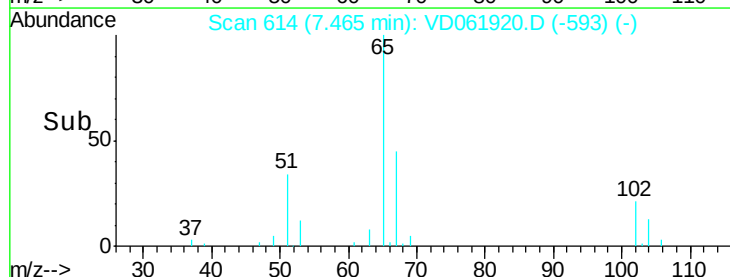
65 100

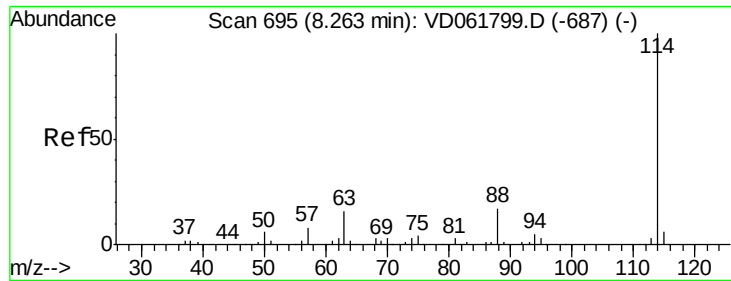
67 45.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

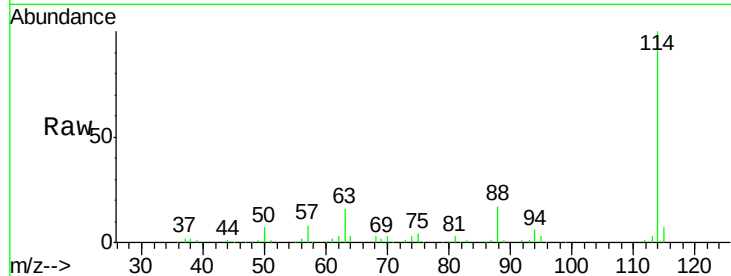




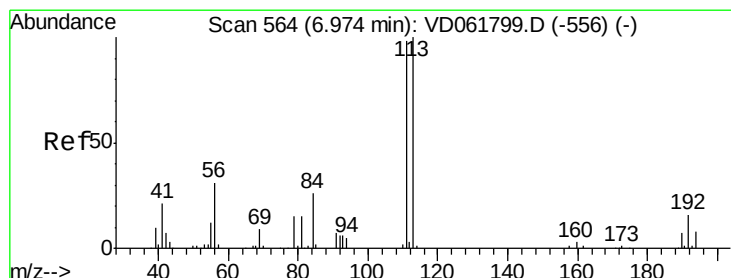
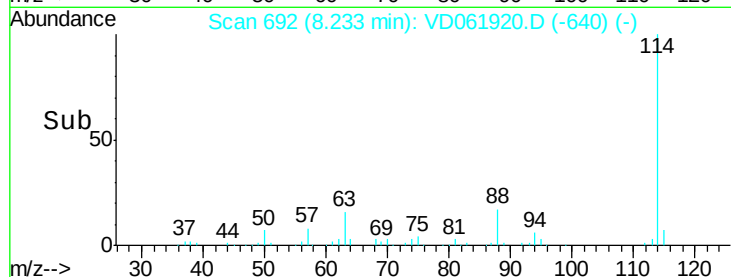
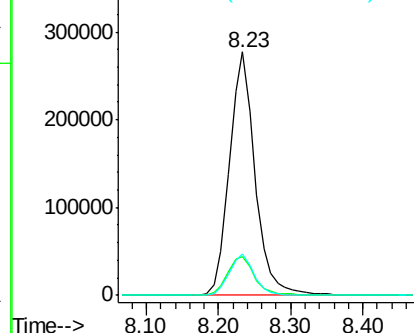
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD061920.D
 Acq: 19 Apr 2019 20:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 683566
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 32.4
 88 17.0 0.0 33.6

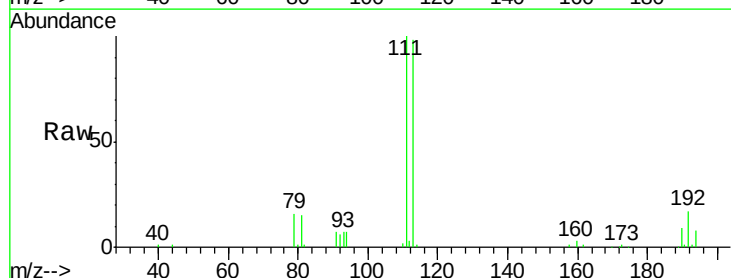


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

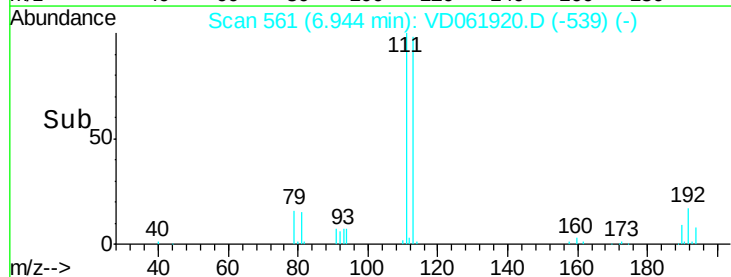
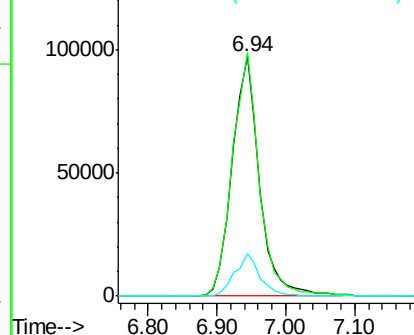


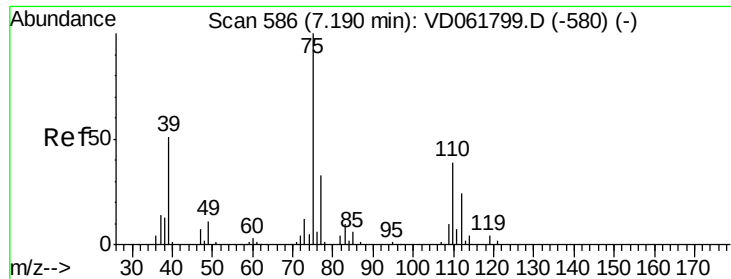
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061920.D
 Acq: 19 Apr 2019 20:11

Tgt Ion:113 Resp: 267596
 Ion Ratio Lower Upper
 113 100
 111 101.8 78.5 117.7
 192 17.6 13.0 19.4



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

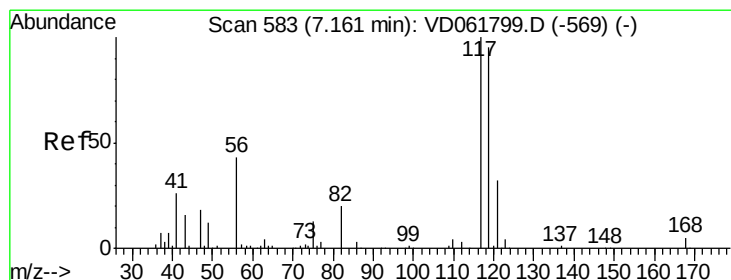
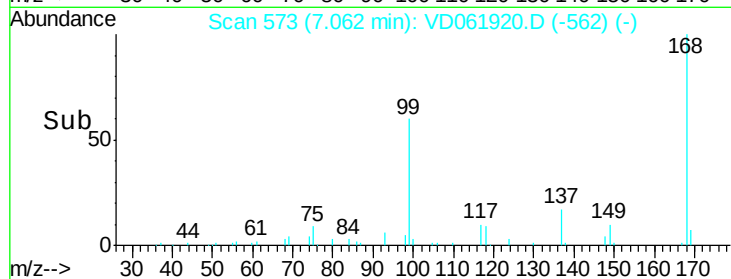
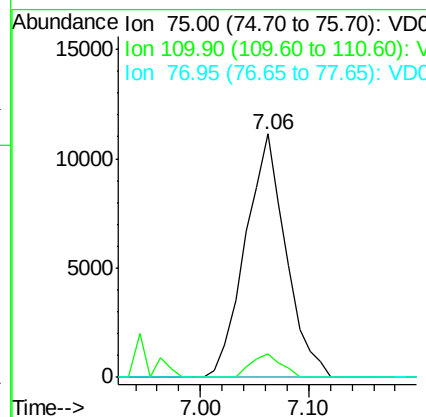
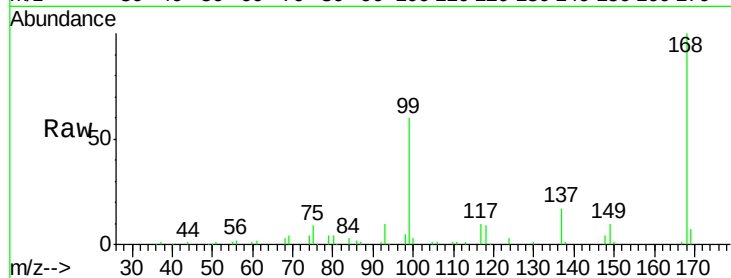




#36
 1,1-Dichloropropene
 Concen: 5.194 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.09 min
 Lab File: VD061920.D
 Acq: 19 Apr 2019 20:11

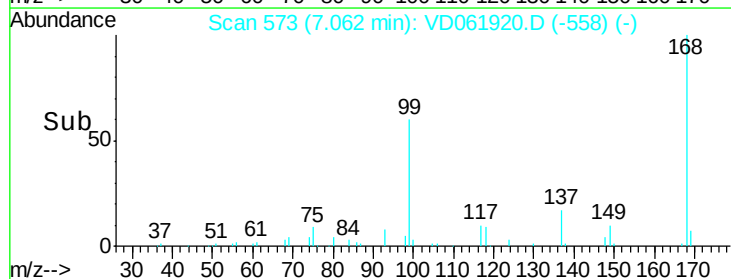
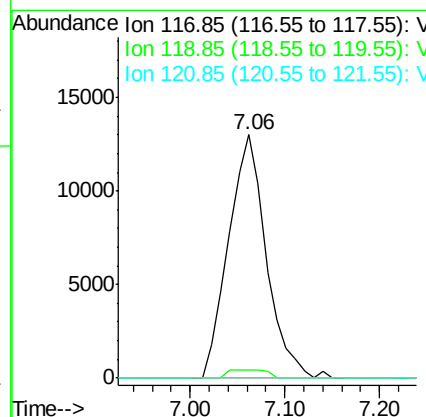
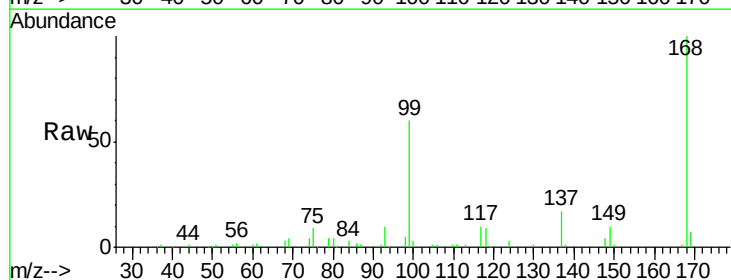
Instrument :
 MSVOA_D
 ClientSampled :

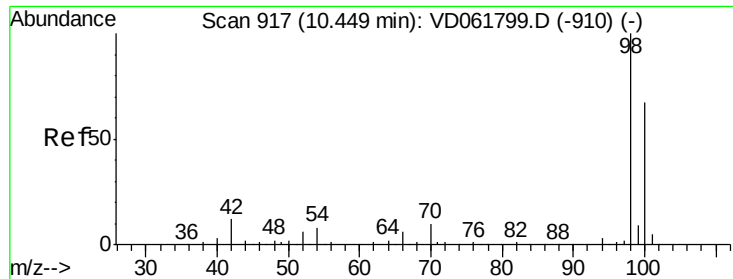
Tot Ion	75	Resp	29014
Ion Ratio	Lower	Upper	
75	100		
110	9.5	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.082 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD061920.D
 Acq: 19 Apr 2019 20:11

Tgt Ion	117	Resp	35846
Ion Ratio	Lower	Upper	
117	100		
119	3.5	75.8	113.8#
121	0.0	25.9	38.9#

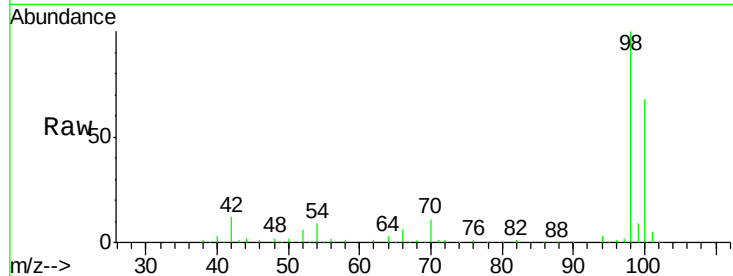




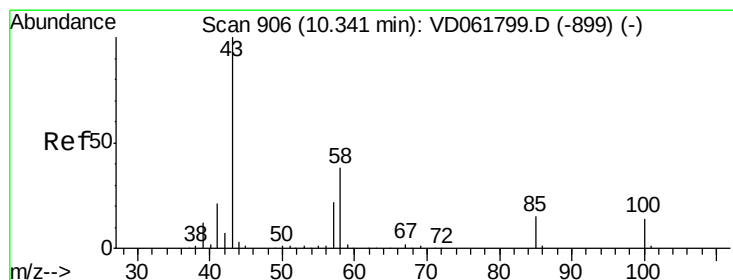
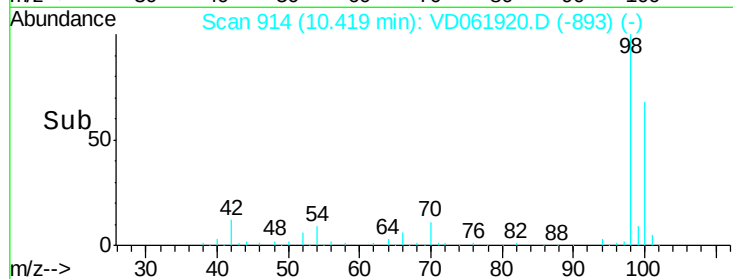
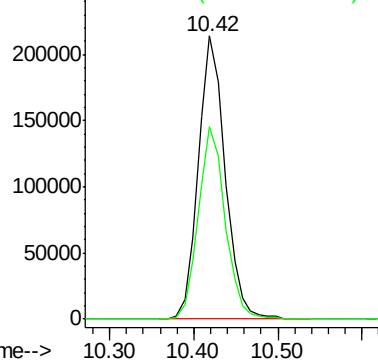
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061920.D
Acq: 19 Apr 2019 20:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 473142
Ion Ratio Lower Upper
98 100
100 68.0 53.8 80.8

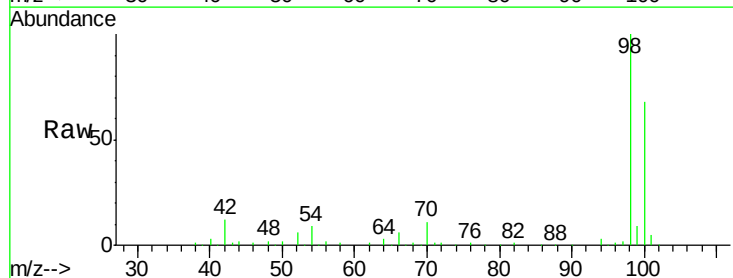


Abundance Ion 98.05 (97.75 to 98.75): VD061799.D (-910) (-)
Ion 100.05 (99.75 to 100.75): VD061799.D (-910) (-)

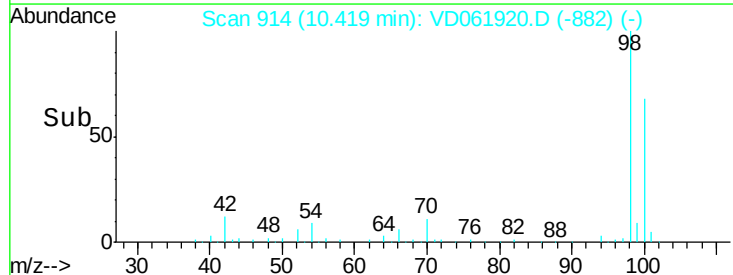
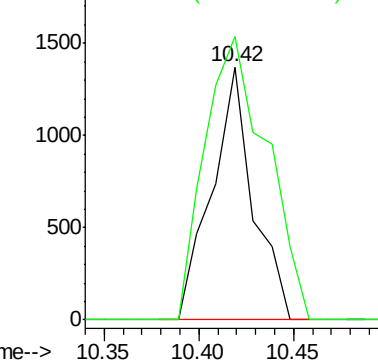


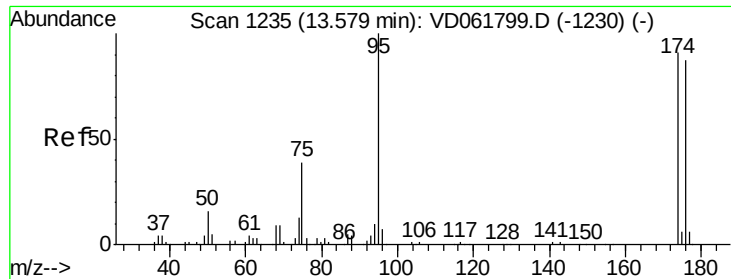
#51
4-Methyl-2-Pentanone
Concen: 1.010 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.12 min
Lab File: VD061920.D
Acq: 19 Apr 2019 20:11

Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
58 111.8 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061799.D (-899) (-)
Ion 57.95 (57.65 to 58.65): VD061799.D (-899) (-)

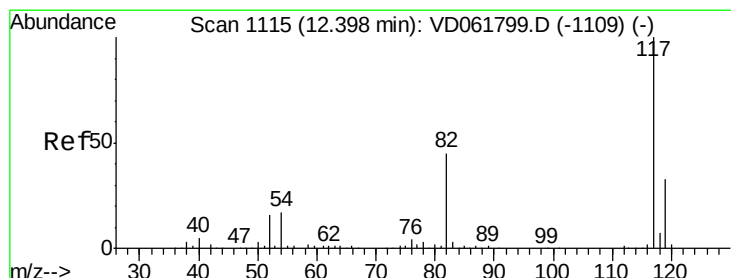
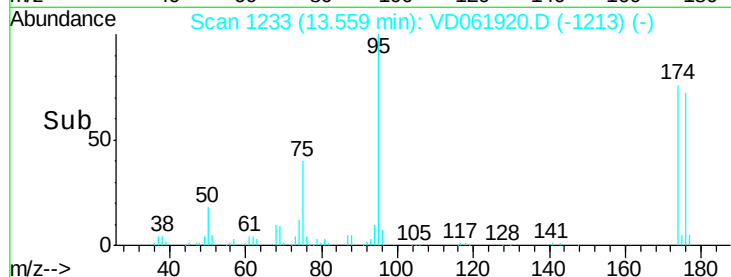
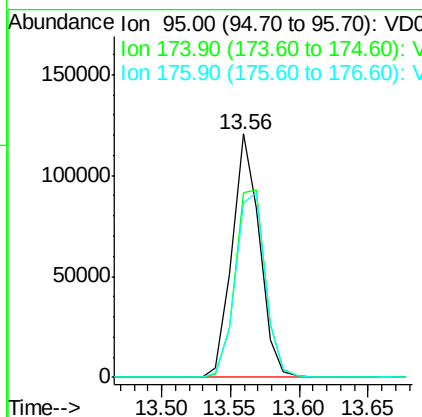
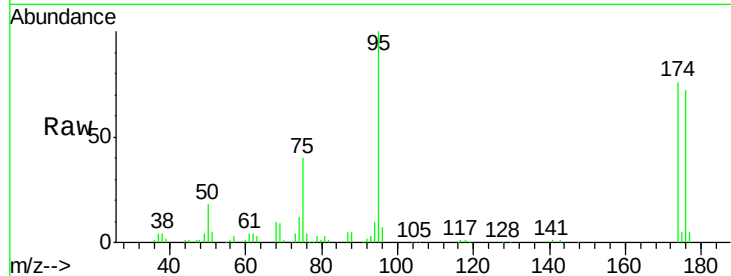




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD061920.D
Acq: 19 Apr 2019 20:11

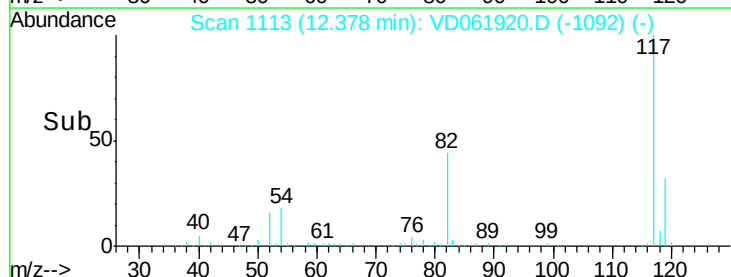
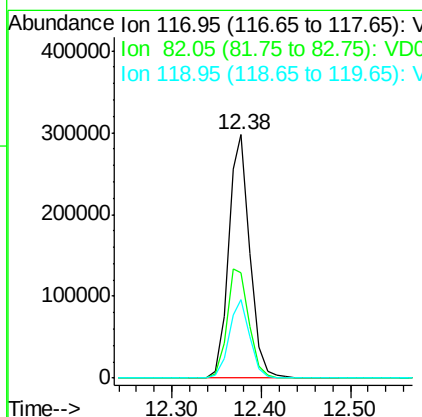
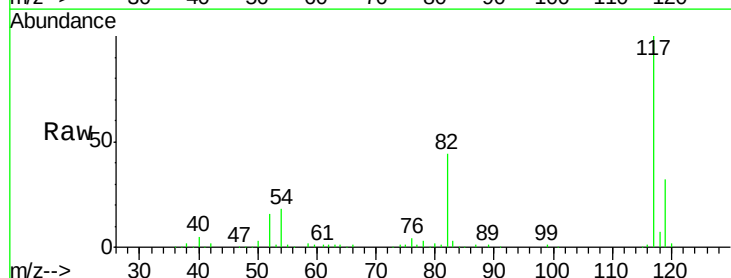
Instrument :
MSVOA_D
ClientSampleId :

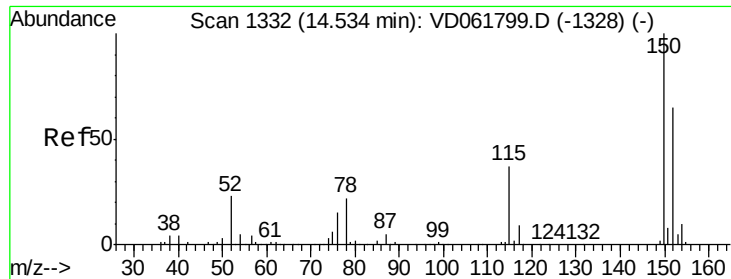
Tot Ion: 95 Resp: 166795
Ion Ratio Lower Upper
95 100
174 75.9 0.0 181.8
176 71.9 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061920.D
Acq: 19 Apr 2019 20:11

Tgt Ion: 117 Resp: 497963
Ion Ratio Lower Upper
117 100
82 43.5 36.2 54.2
119 32.1 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

Instrument :

MSVOA_D

ClientSampleId :

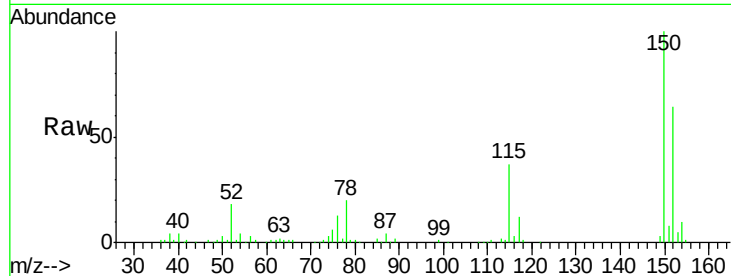
Tot Ion:152 Resp: 168505

Ion Ratio Lower Upper

152 100

115 56.8 30.9 92.7

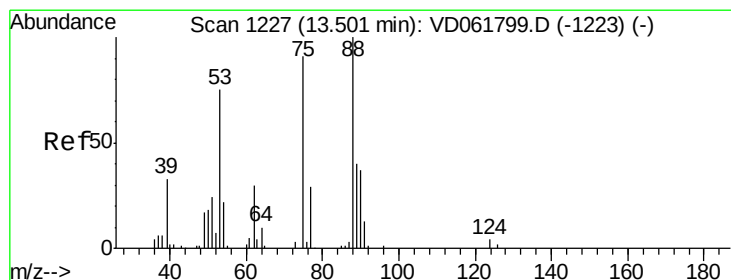
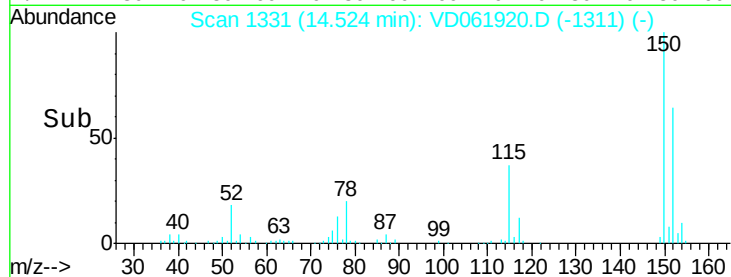
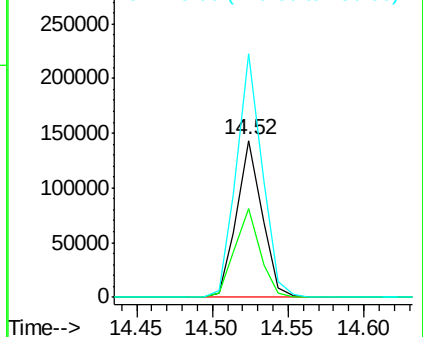
150 155.5 0.0 314.8



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: 89.393 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

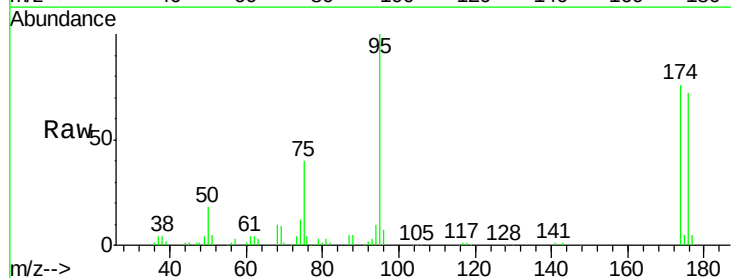
Tgt Ion: 75 Resp: 66129

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

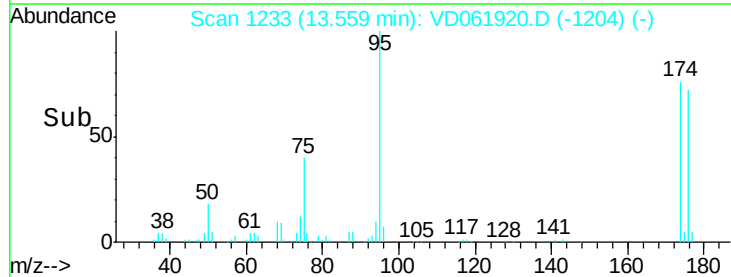
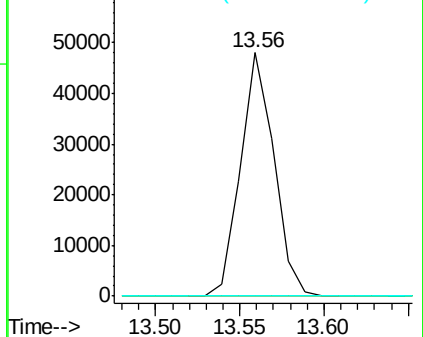
89 0.0 35.0 52.6#

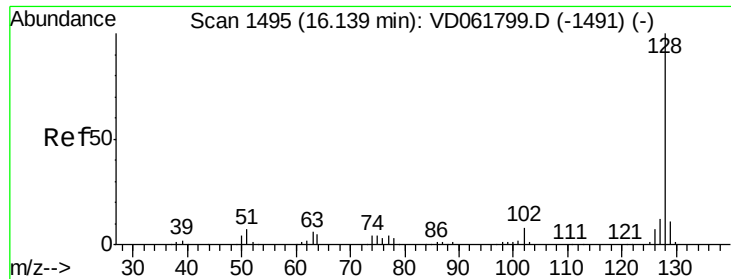


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

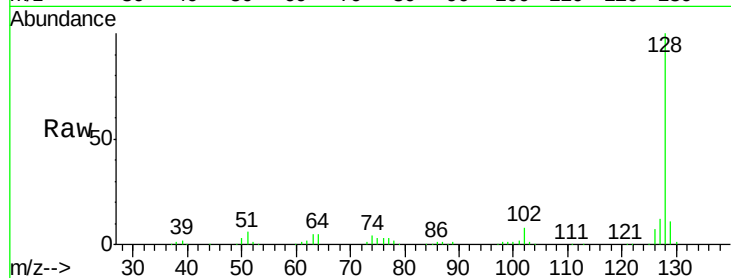




#95
 Naphthalene
 Concen: 180.215 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VD061920.D
 Acq: 19 Apr 2019 20:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.8	14.8
129	10.5	8.8	13.2



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

