

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061447.D
 Acq On : 31 Mar 2019 15:23
 Operator : VA/AP
 Sample : K1697-13RE
 Misc : 5.87g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:54:17 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	7.07	168	632203	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.25	114	1055773	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.38	117	896336	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	403254	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	253850	47.00	ug/l	0.05
Spiked Amount			Recovery	=	94.00%	
35) Dibromofluoromethane	6.95	113	409953	50.81	ug/l	0.05
Spiked Amount			Recovery	=	101.62%	
50) Toluene-d8	10.43	98	899954	46.51	ug/l	0.05
Spiked Amount			Recovery	=	93.02%	
62) 4-Bromofluorobenzene	13.56	95	359145	48.40	ug/l	0.02
Spiked Amount			Recovery	=	96.80%	

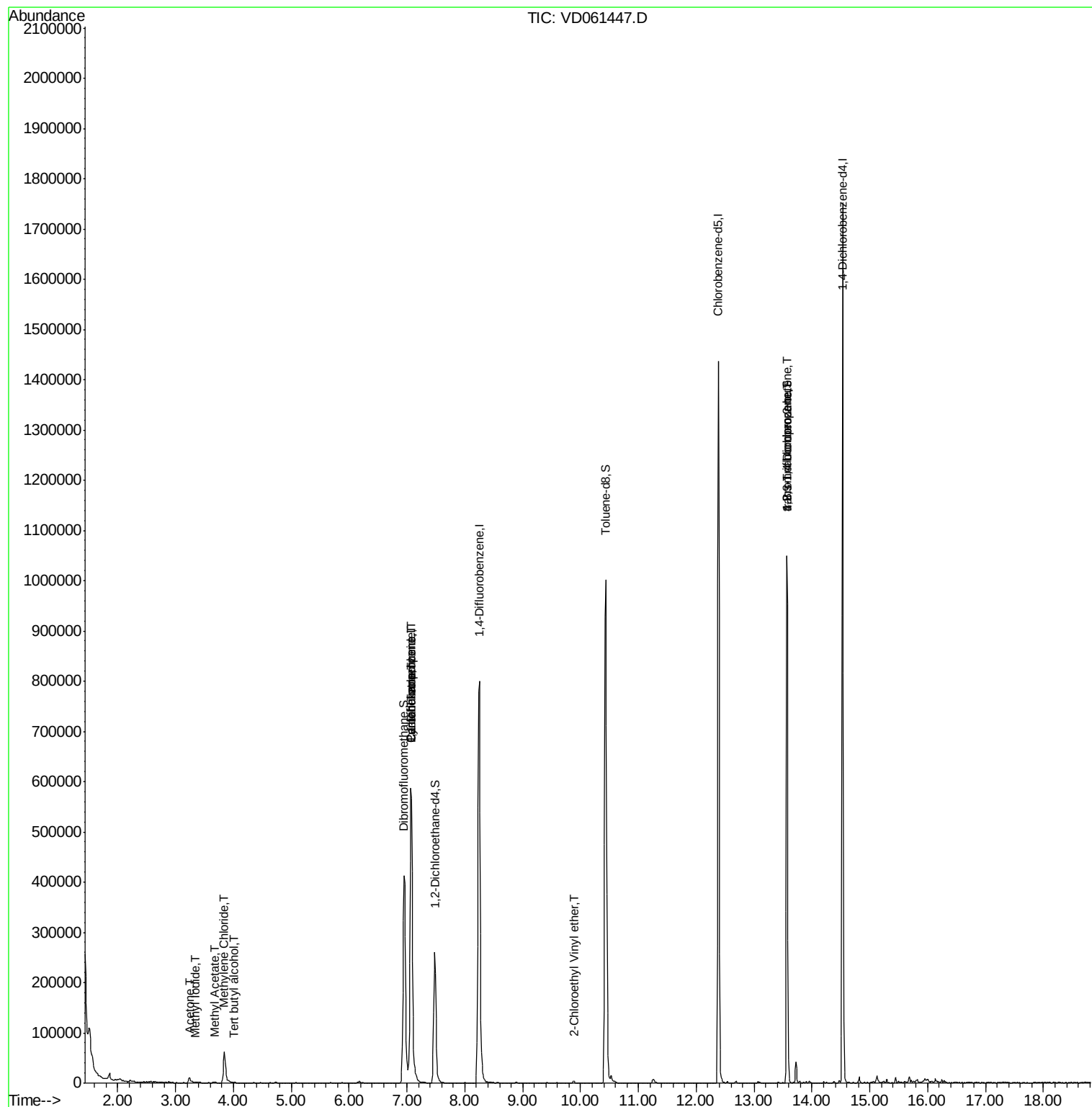
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.35	142	2109	3.629	ug/l #	38
11) Tert butyl alcohol	4.02	59	385	1.145	ug/l #	76
16) Acetone	3.24	43	18638	13.425	ug/l	95
18) Methyl Acetate	3.67	43	3510	1.202	ug/l #	84
20) Methylene Chloride	3.85	84	49889	4.674	ug/l	95
31) Cyclohexane	7.06	56	11371	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	44793	4.861	ug/l #	46
38) Carbon Tetrachloride	7.07	117	58490	5.524	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.88	63	2622	1.016	ug/l	96
76) 1,2,3-Trichloropropane	13.56	75	128740	22.101	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	130449	73.448	ug/l #	18

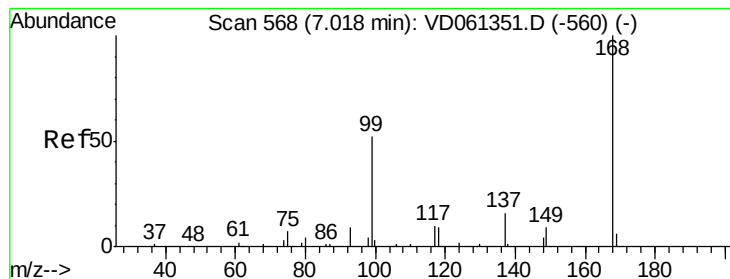
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD033119\
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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: 7.07 min Scan# 573

Delta R.T. 0.05 min

Lab File: VD061447.D

Acq: 31 Mar 2019 15:23

Instrument :

MSVOA_D

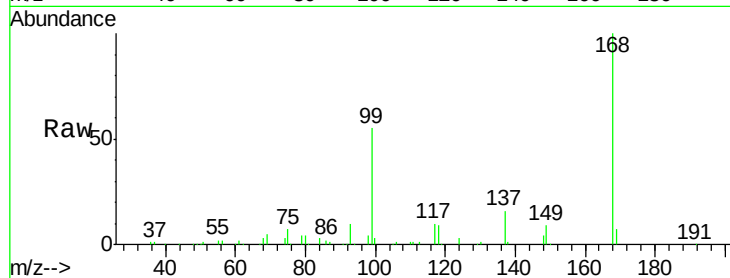
ClientSampleId :

Tot Ion:168 Resp: 632203

Ion Ratio Lower Upper

168 100

99 55.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

250000

200000

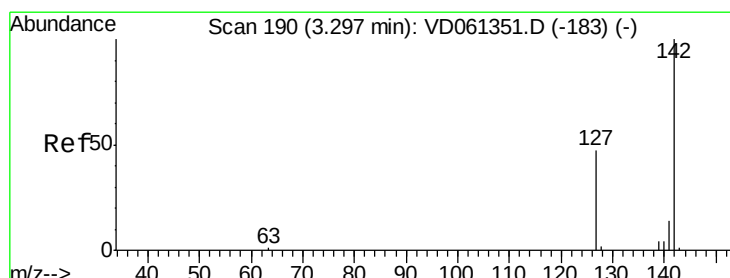
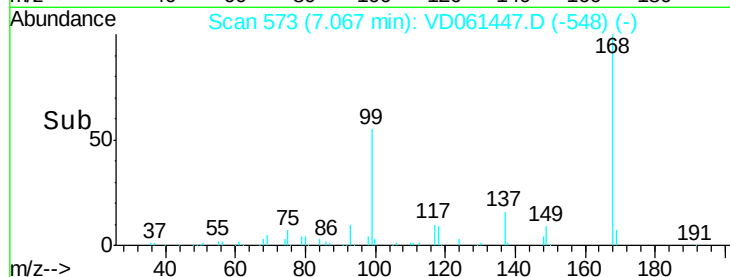
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.629 ug/l

RT: 3.35 min Scan# 195

Delta R.T. 0.05 min

Lab File: VD061447.D

Acq: 31 Mar 2019 15:23

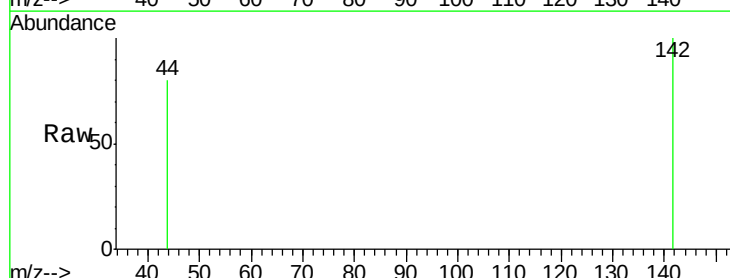
Tgt Ion:142 Resp: 2109

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



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

3.35

800

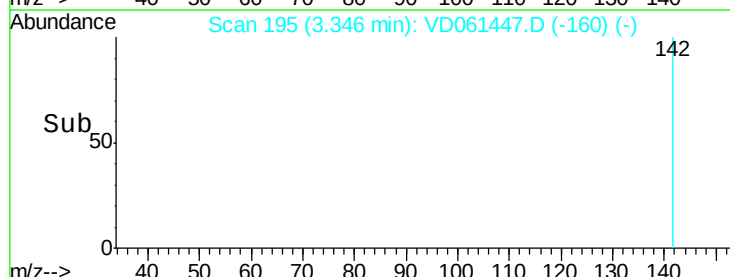
600

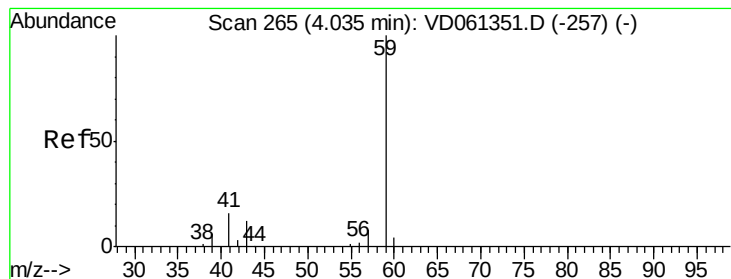
400

200

0

Time-->



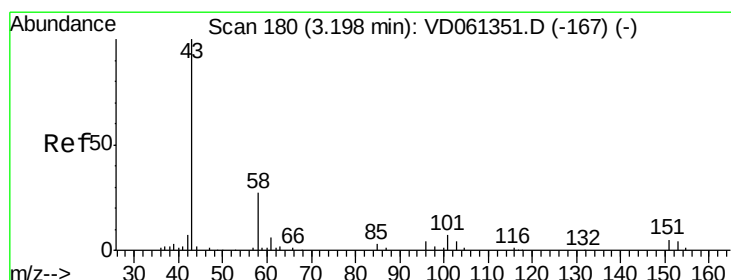
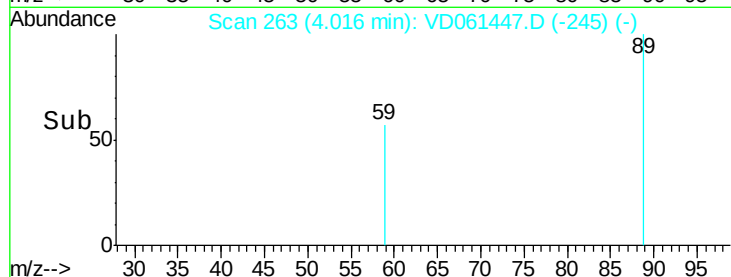
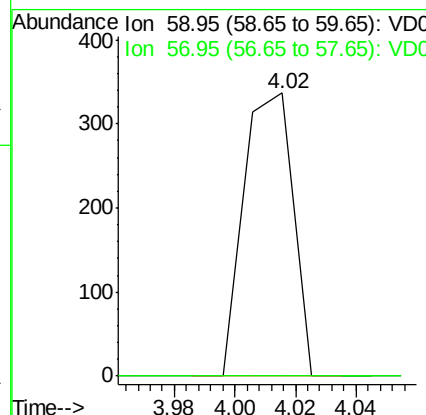
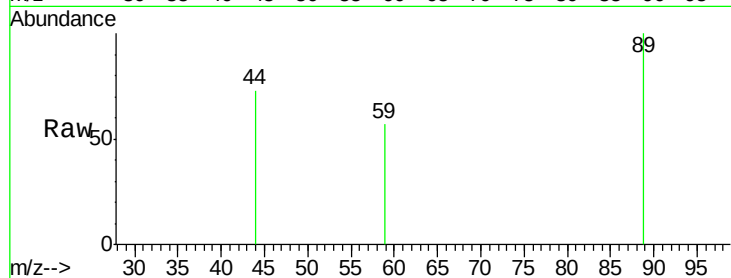


#11

Tert butyl alcohol
 Concen: 1.145 ug/l
 RT: 4.02 min Scan# 263
 Delta R.T. -0.02 min
 Lab File: VD061447.D
 Acq: 31 Mar 2019 15:23

Instrument :
 MSVOA_D
 ClientSampleId :

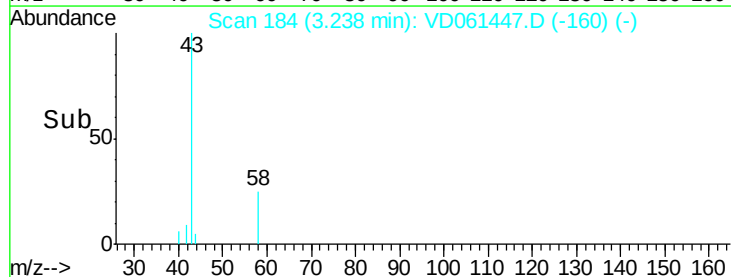
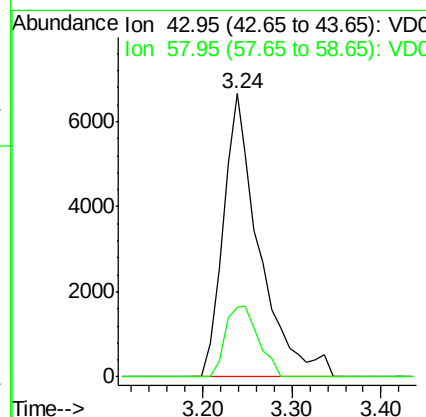
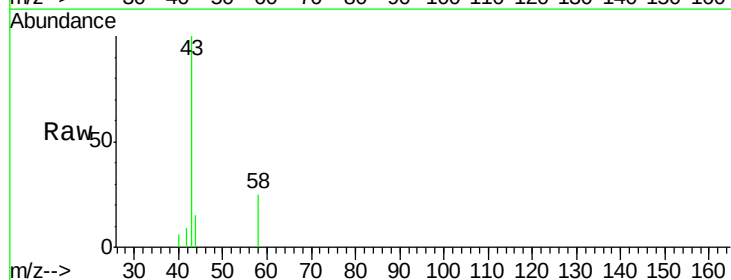
Tot Ion: 59 Resp: 385
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

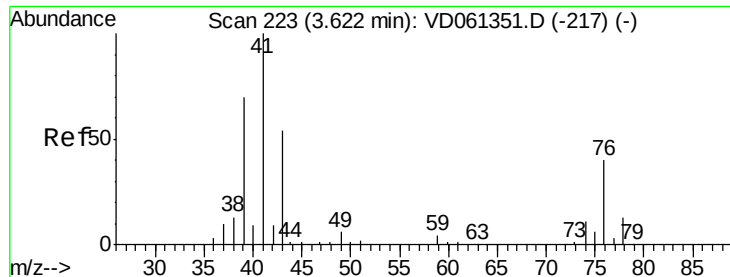


#16

Acetone
 Concen: 13.425 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.04 min
 Lab File: VD061447.D
 Acq: 31 Mar 2019 15:23

Tgt Ion: 43 Resp: 18638
 Ion Ratio Lower Upper
 43 100
 58 24.6 21.5 32.3

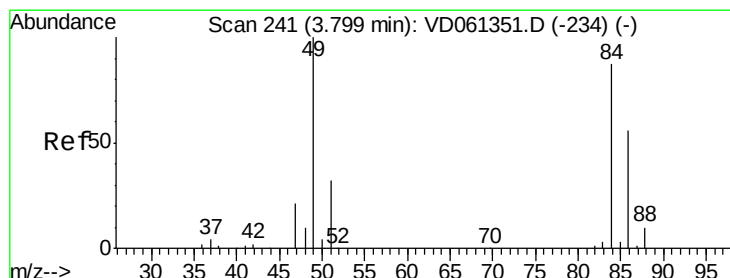
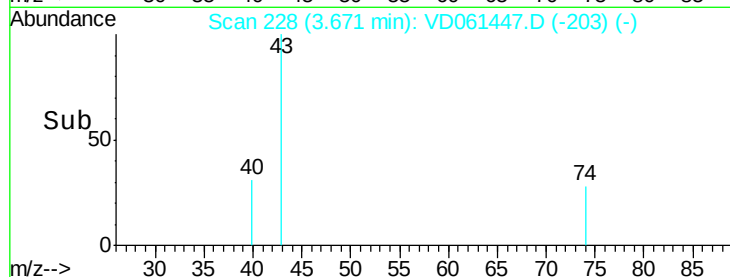
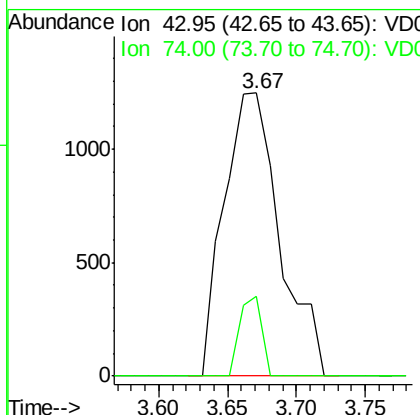
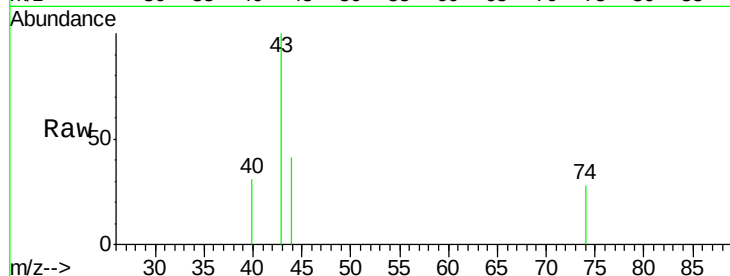




#18
Methyl Acetate
Concen: 1.202 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.05 min
Lab File: VD061447.D
Acq: 31 Mar 2019 15:23

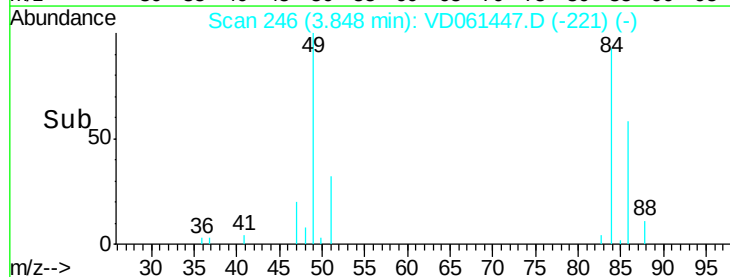
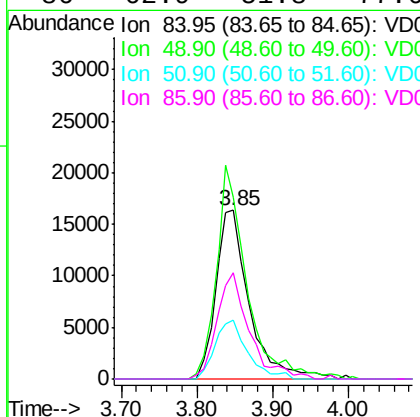
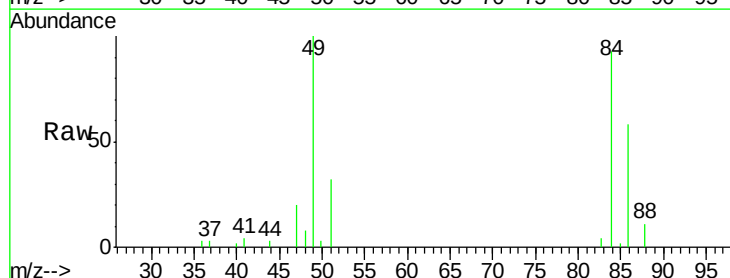
Instrument :
MSVOA_D
ClientSampled :

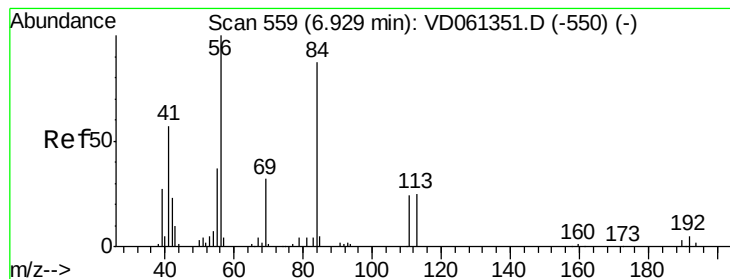
Tot Ion: 43 Resp: 3510
Ion Ratio Lower Upper
43 100
74 28.2 16.7 25.1#



#20
Methylene Chloride
Concen: 4.674 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.05 min
Lab File: VD061447.D
Acq: 31 Mar 2019 15:23

Tgt Ion: 84 Resp: 49889
Ion Ratio Lower Upper
84 100
49 107.9 91.8 137.8
51 34.9 29.8 44.8
86 62.9 51.8 77.6





#31

Cyclohexane

Concen: 1.222 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.13 min

Lab File: VD061447.D

Acq: 31 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampled :

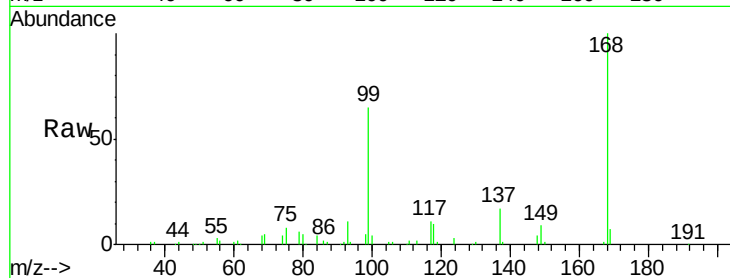
Tot Ion: 56 Resp: 11371

Ion Ratio Lower Upper

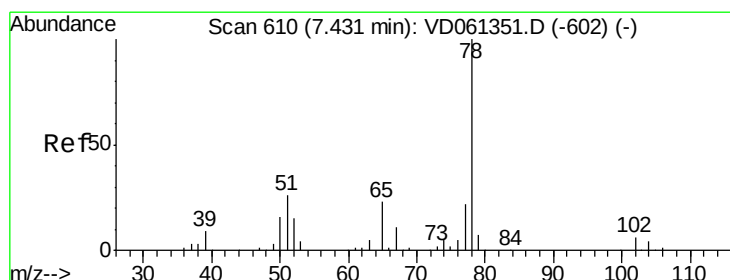
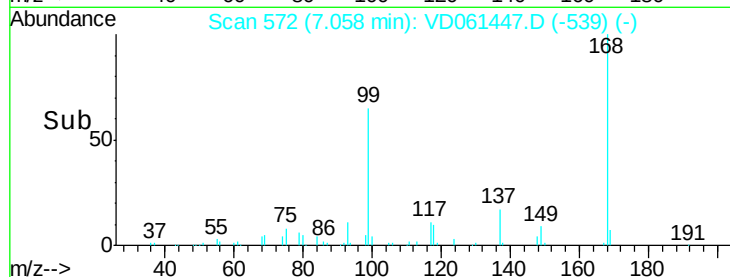
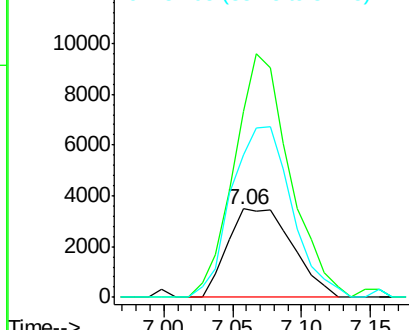
56 100

69 210.6 25.7 38.5#

84 161.3 70.6 105.8#



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: 7.48 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD061447.D

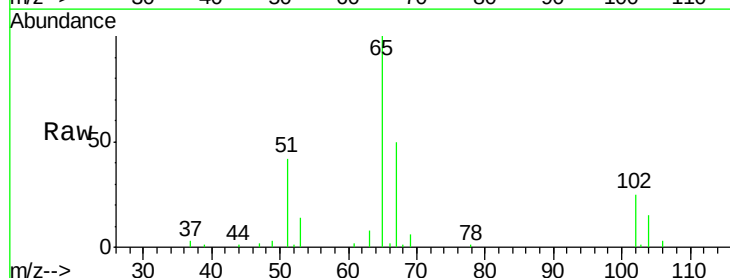
Acq: 31 Mar 2019 15:23

Tgt Ion: 65 Resp: 253850

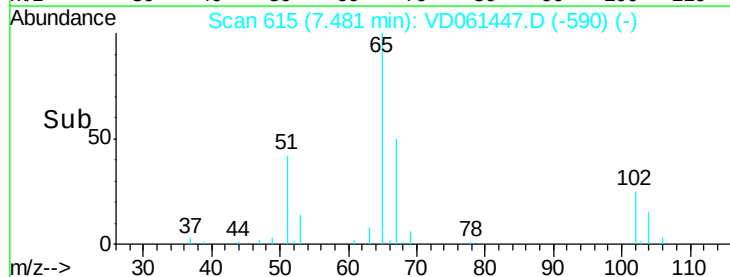
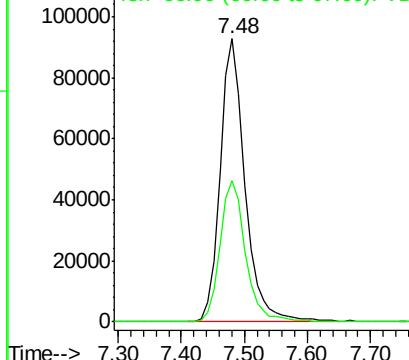
Ion Ratio Lower Upper

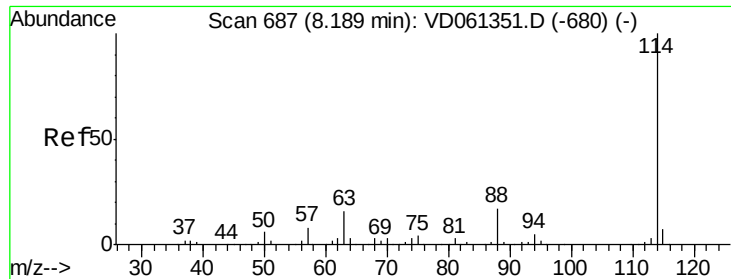
65 100

67 49.9 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: 8.25 min Scan# 693

Delta R.T. 0.06 min

Lab File: VD061447.D

Acq: 31 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampled :

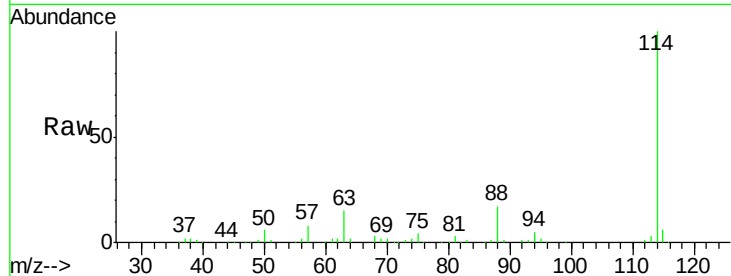
Tot Ion:114 Resp: 1055773

Ion Ratio Lower Upper

114 100

63 15.0 0.0 31.6

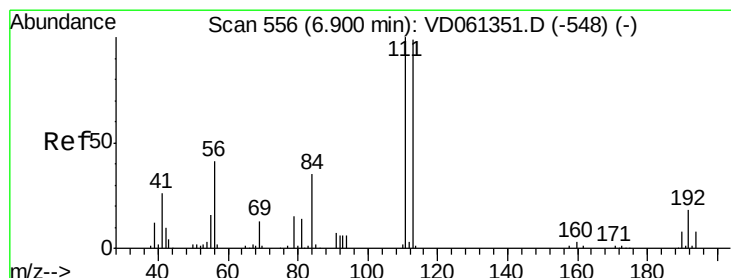
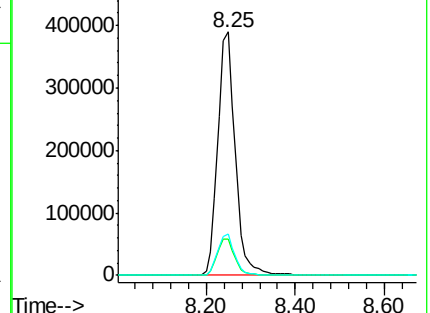
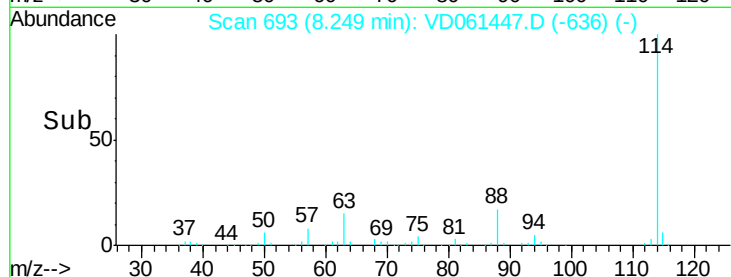
88 16.9 0.0 33.4



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: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD061447.D

Acq: 31 Mar 2019 15:23

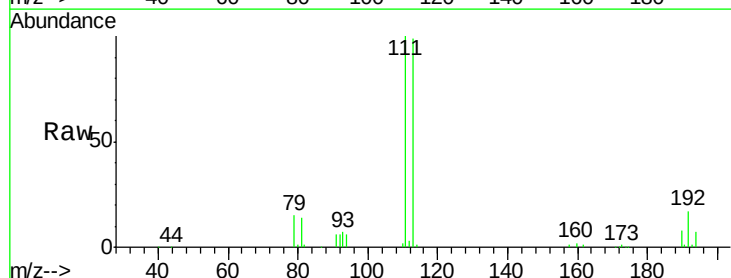
Tgt Ion:113 Resp: 409953

Ion Ratio Lower Upper

113 100

111 100.6 81.0 121.6

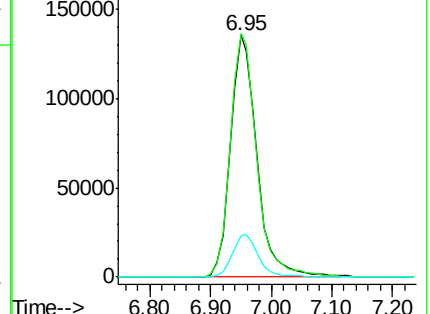
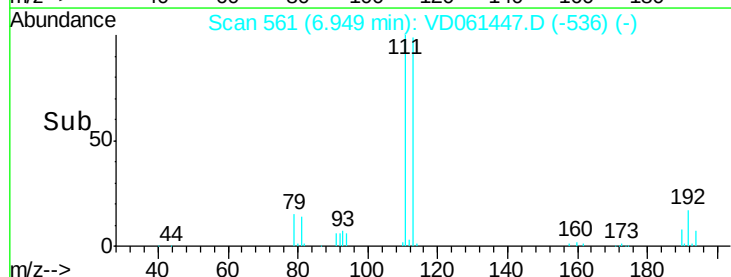
192 16.8 14.4 21.6

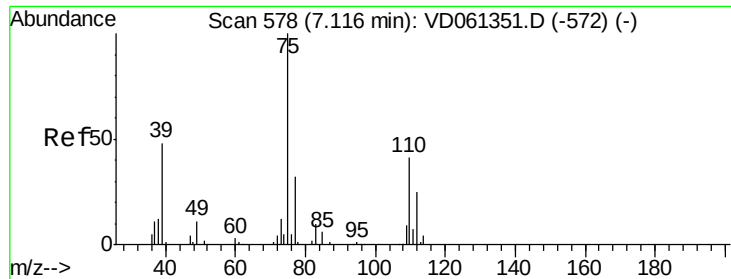


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

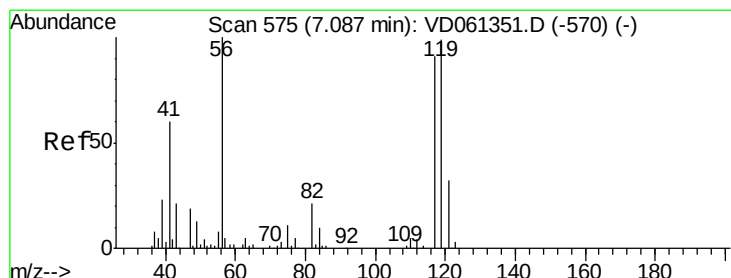
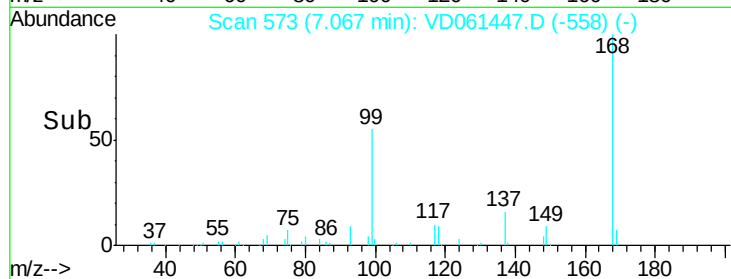
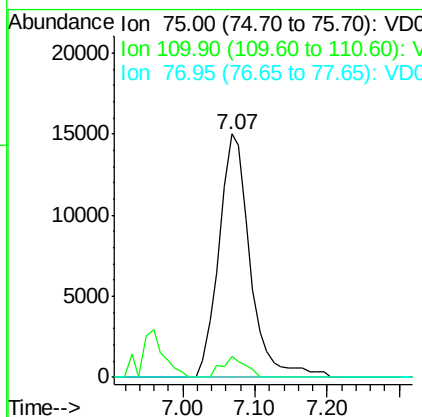
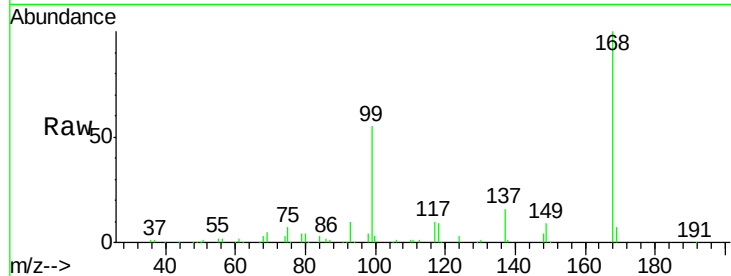




#36
 1,1-Dichloropropene
 Concen: 4.861 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD061447.D
 Acq: 31 Mar 2019 15:23

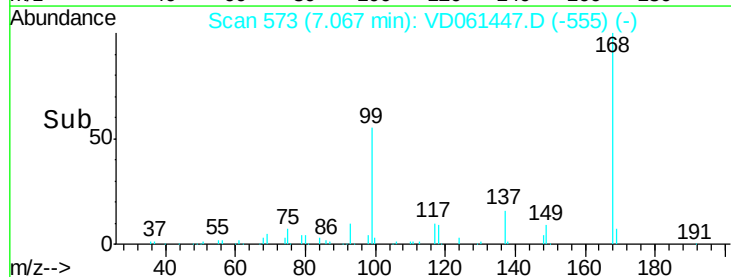
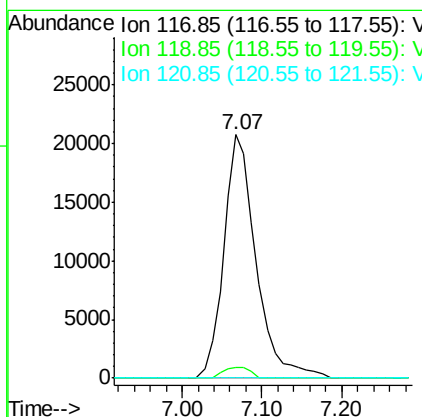
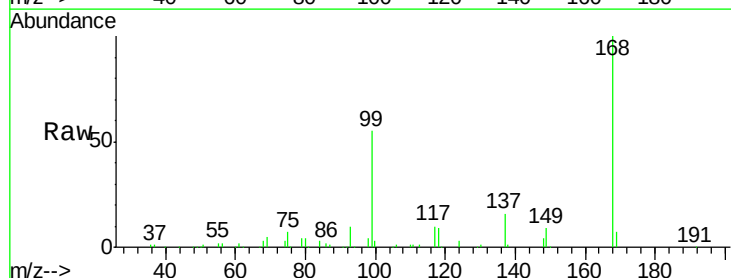
Instrument :
 MSVOA_D
 ClientSampleId :

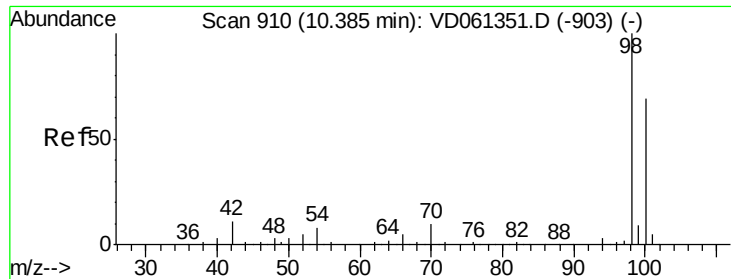
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	20.4	61.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.524 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: VD061447.D
 Acq: 31 Mar 2019 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	80.1	120.1#
121	0.0	25.6	38.4#

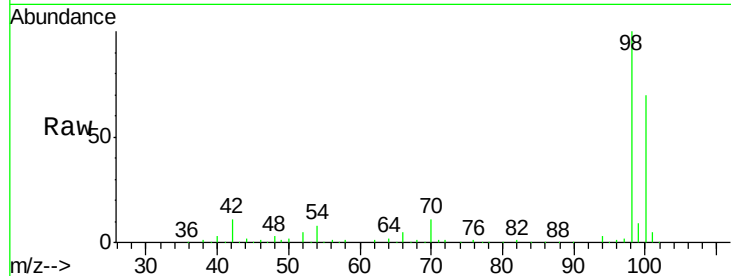




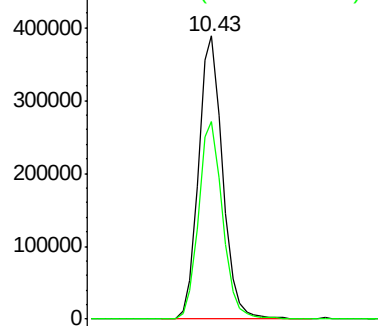
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.05 min
Lab File: VD061447.D
Acq: 31 Mar 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :

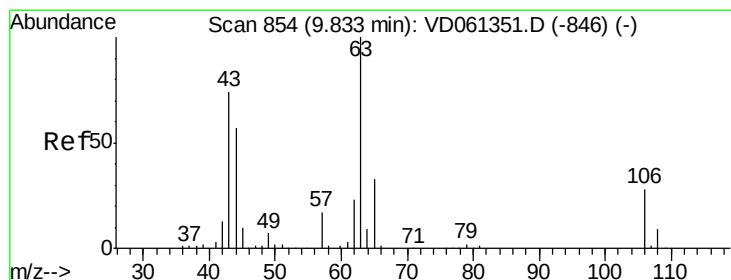
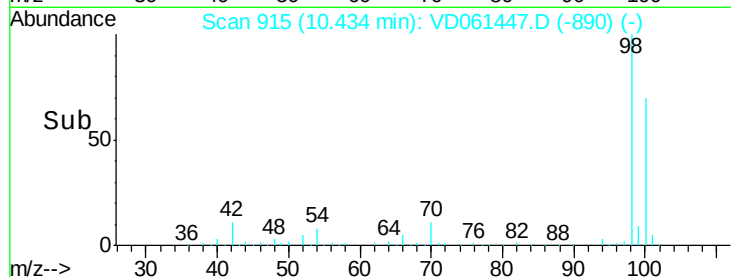
Tot Ion: 98 Resp: 899954
Ion Ratio Lower Upper
98 100
100 69.8 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

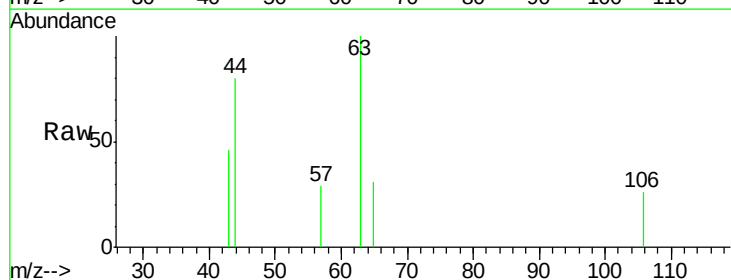


Time-->

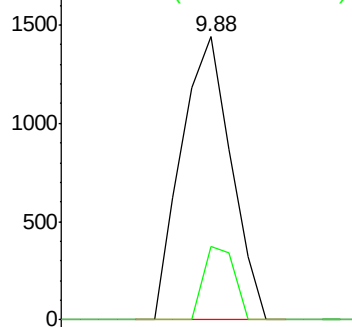


#58
2-Chloroethyl Vinyl ether
Concen: 1.016 ug/l
RT: 9.88 min Scan# 859
Delta R.T. 0.05 min
Lab File: VD061447.D
Acq: 31 Mar 2019 15:23

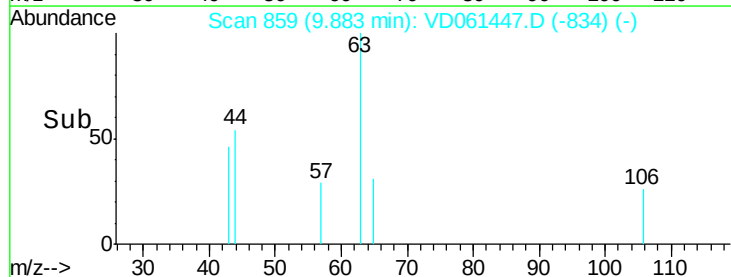
Tgt Ion: 63 Resp: 2622
Ion Ratio Lower Upper
63 100
106 26.1 22.4 33.6

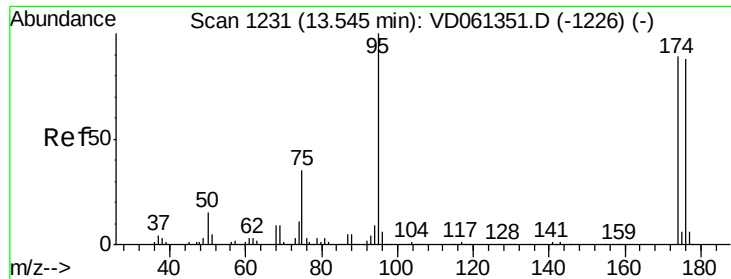


Abundance Ion 62.95 (62.65 to 63.65): VD061351.D (-846) (-)
Ion 105.95 (105.65 to 106.65): VD061351.D (-846) (-)



Time-->

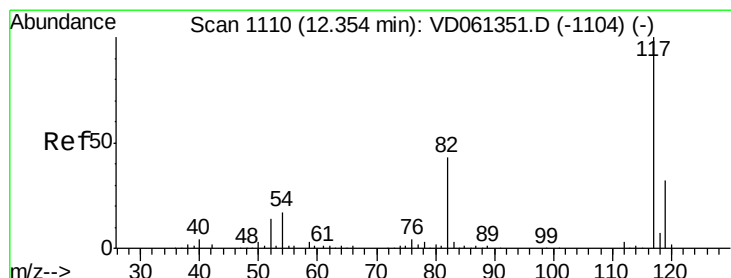
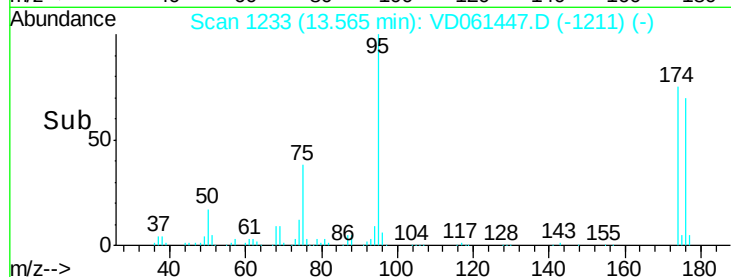
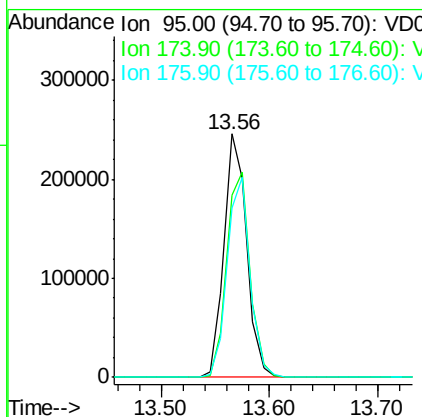
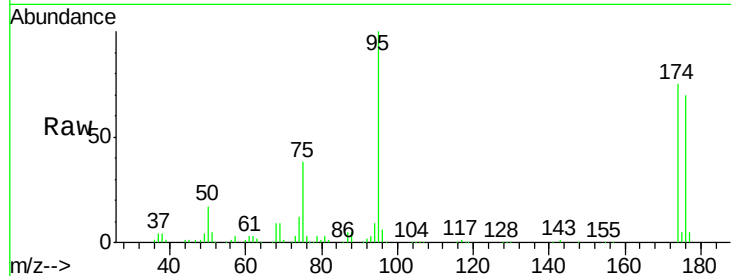




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD061447.D
Acq: 31 Mar 2019 15:23

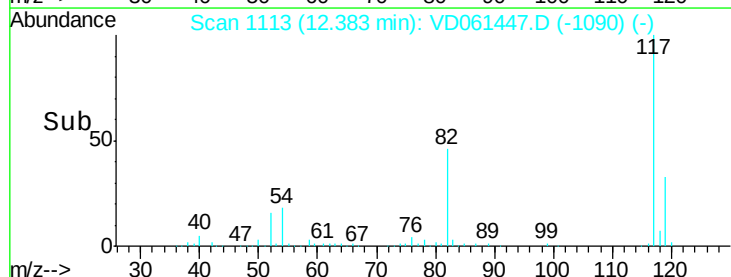
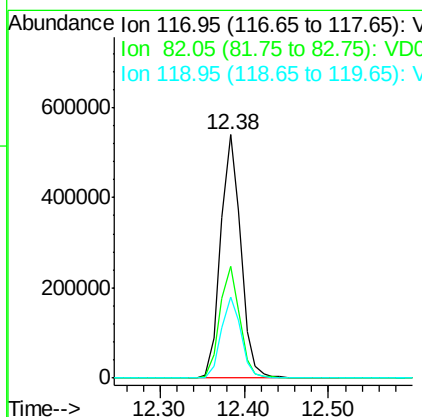
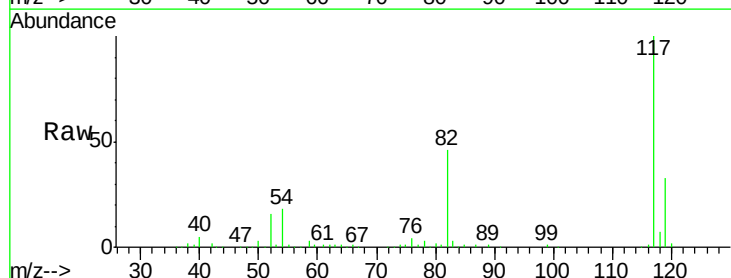
Instrument :
MSVOA_D
ClientSampleId :

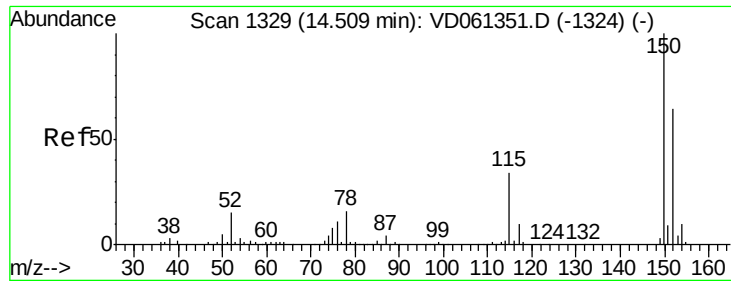
Tot Ion: 95 Resp: 359145
Ion Ratio Lower Upper
95 100
174 74.8 0.0 178.0
176 69.7 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD061447.D
Acq: 31 Mar 2019 15:23

Tgt Ion: 117 Resp: 896336
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 33.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061447.D

Acq: 31 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampled :

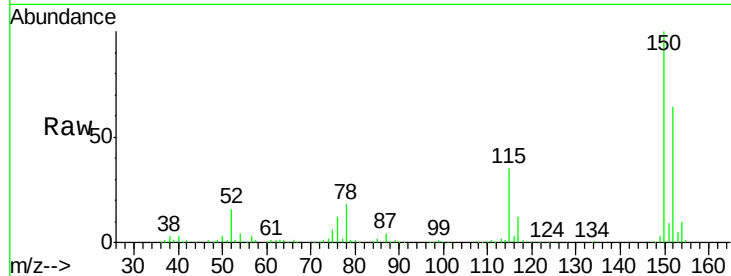
Tot Ion:152 Resp: 403254

Ion Ratio Lower Upper

152 100

115 54.2 26.9 80.6

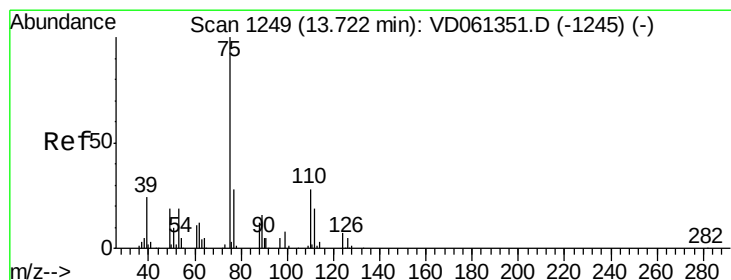
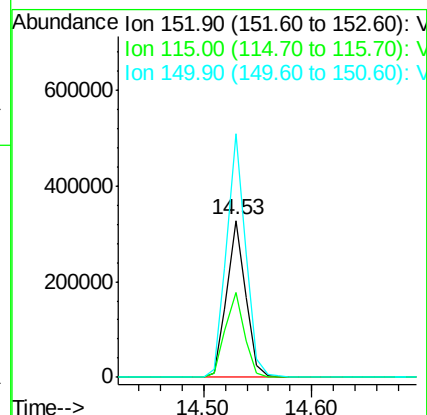
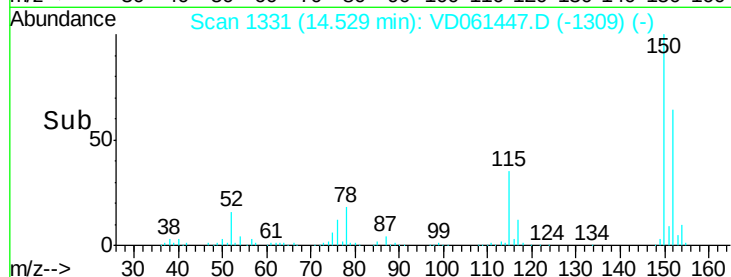
150 155.3 0.0 318.0



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: 22.101 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061447.D

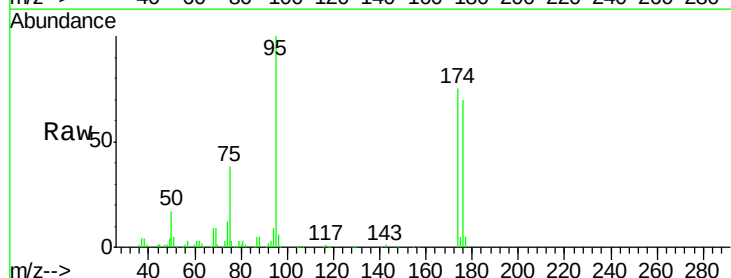
Acq: 31 Mar 2019 15:23

Tgt Ion: 75 Resp: 128740

Ion Ratio Lower Upper

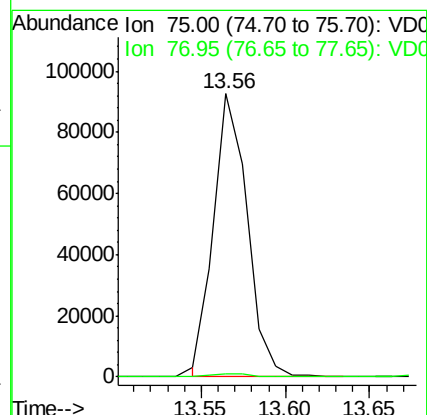
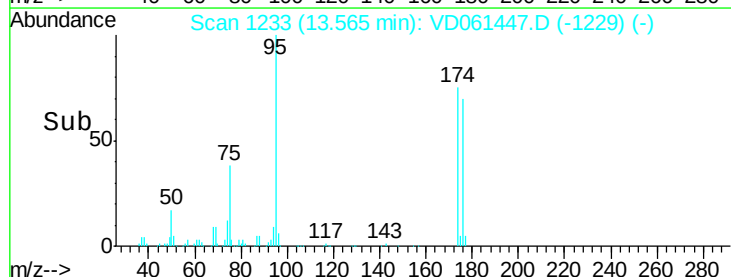
75 100

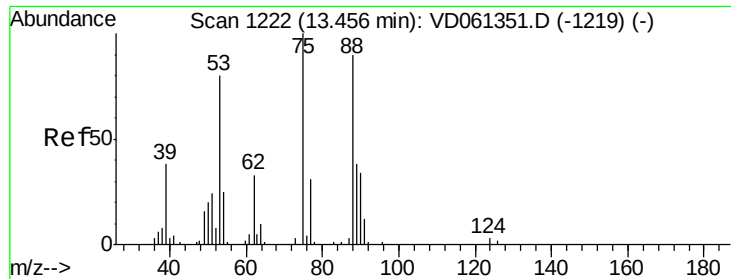
77 1.2 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 73.448 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061447.D

Acq: 31 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 130449

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

