

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062358.D
 Acq On : 14 May 2019 20:38
 Operator : FY/SY
 Sample : K2735-11RE
 Misc : 4.97g/5mL/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 02:02:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	496621	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	637555	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	554514	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	269938	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	231307	50.12	ug/l	0.04
Spiked Amount			Recovery	=	100.24%	
35) Dibromofluoromethane	6.95	113	237230	44.85	ug/l	0.05
Spiked Amount			Recovery	=	89.70%	
50) Toluene-d8	10.42	98	398015	31.21	ug/l	0.02
Spiked Amount			Recovery	=	62.42%	
62) 4-Bromofluorobenzene	13.56	95	183184	35.77	ug/l	0.01
Spiked Amount			Recovery	=	71.54%	

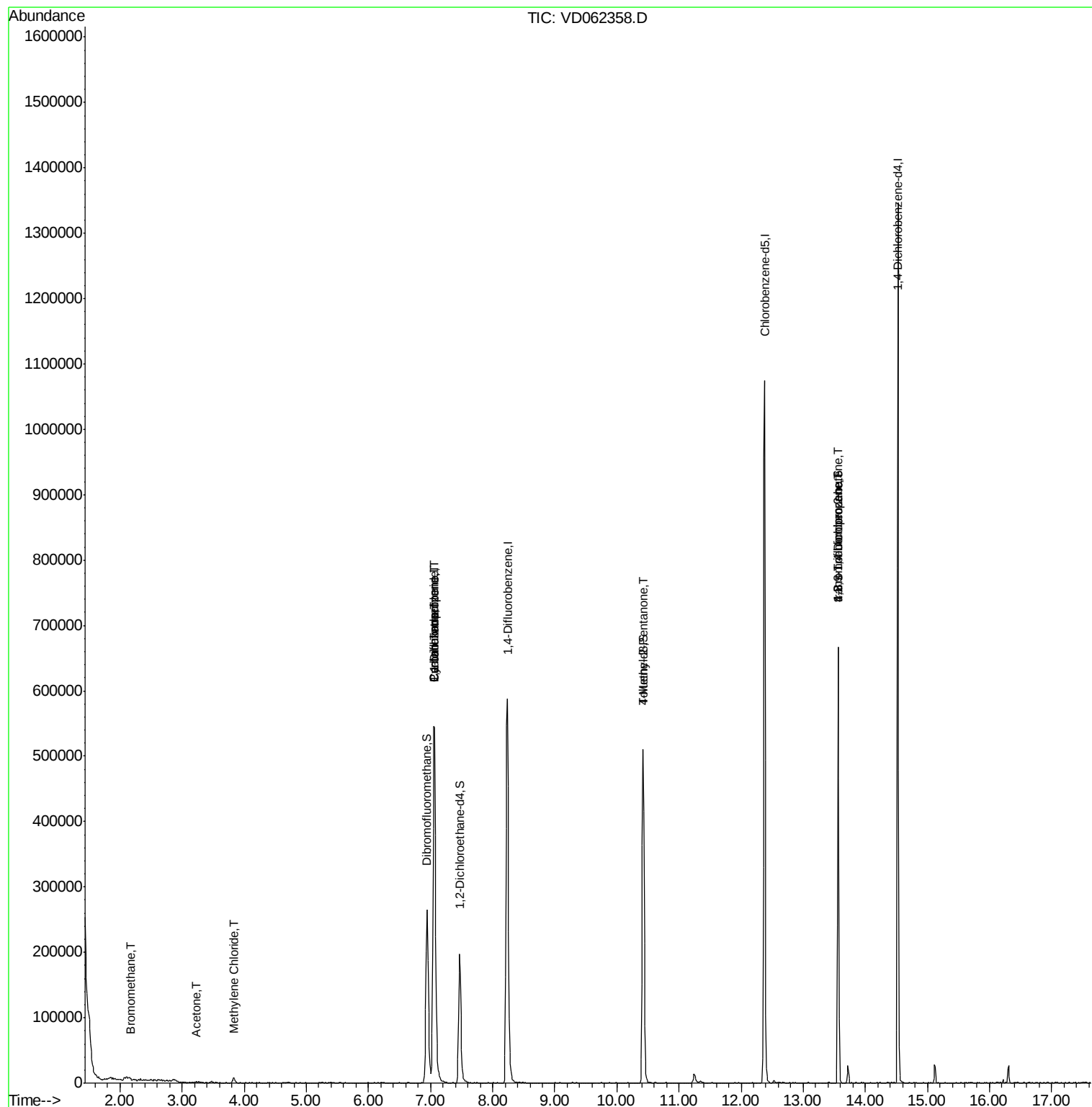
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	932	1.179	ug/l #	12
16) Acetone	3.23	43	3890	4.019	ug/l #	86
20) Methylene Chloride	3.83	84	5428	1.343	ug/l #	90
31) Cyclohexane	7.05	56	11084	2.289	ug/l #	5
36) 1,1-Dichloropropene	7.07	75	44113	8.439	ug/l #	45
38) Carbon Tetrachloride	7.06	117	56430	7.799	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	2356	1.166	ug/l #	10
76) 1,2,3-Trichloropropane	13.56	75	85493	26.650	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	87075	96.148	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

Instrument :

MSVOA_D

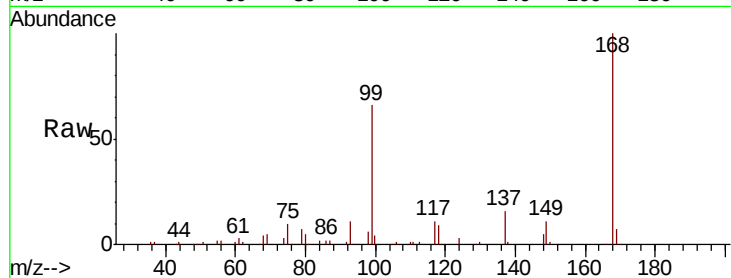
ClientSampleId :

Tot Ion:168 Resp: 496621

Ion Ratio Lower Upper

168 100

99 65.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

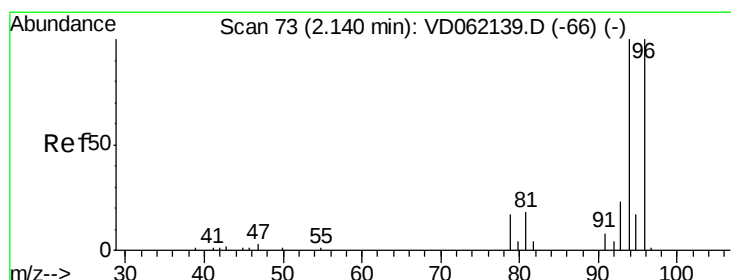
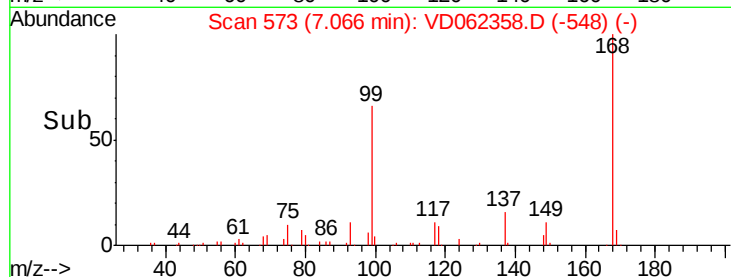
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.179 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

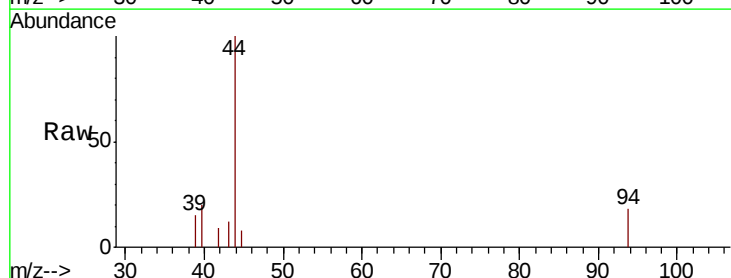
Tgt Ion: 94 Resp: 932

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

800

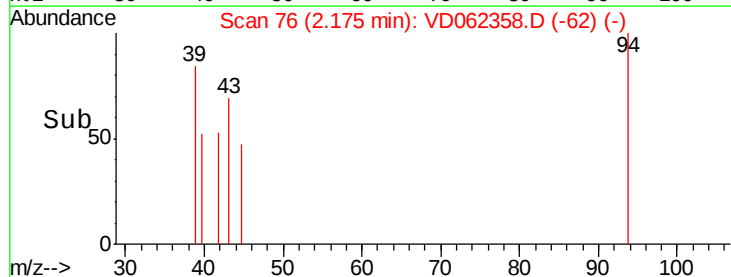
600

400

200

0

Time--> 2.14 2.16 2.18 2.20

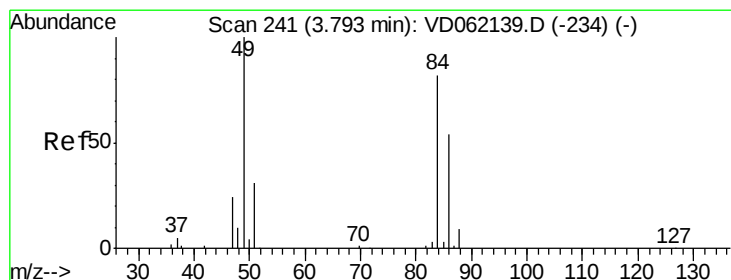
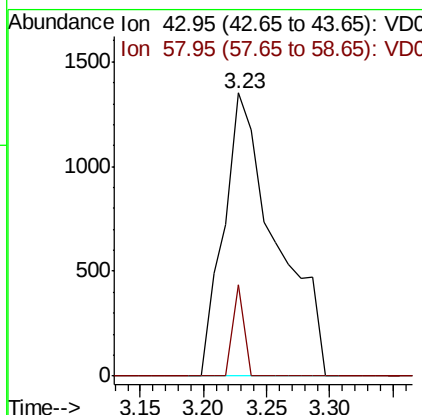
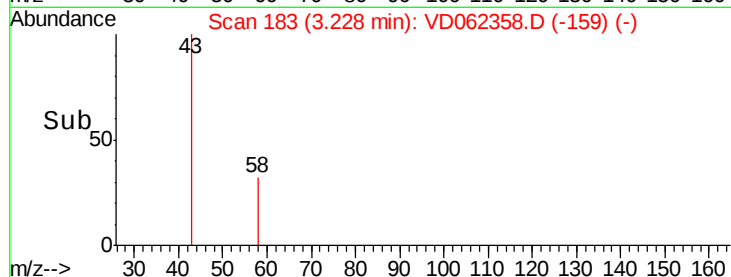
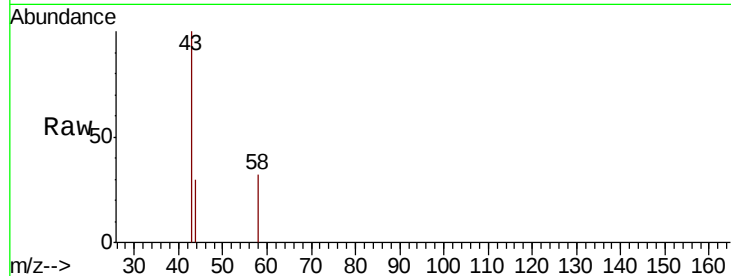




#16
Acetone
Concen: 4.019 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD062358.D
Acq: 14 May 2019 20:38

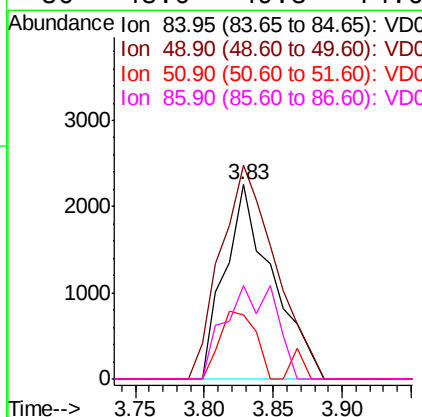
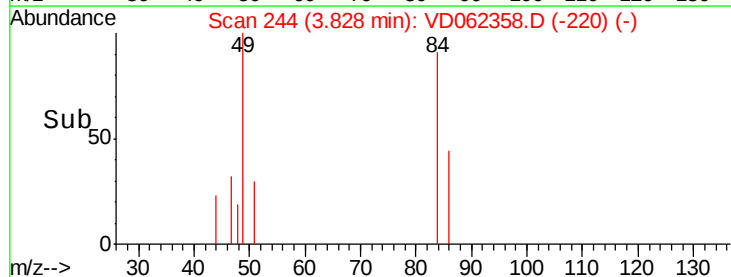
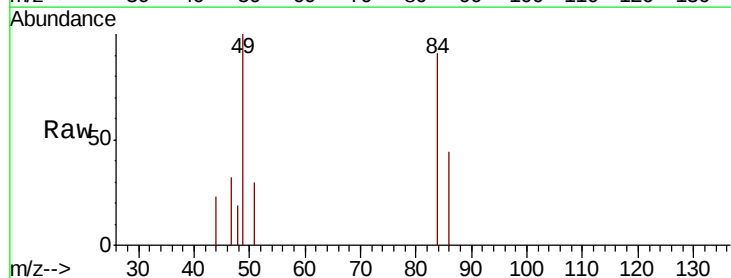
Instrument :
MSVOA_D
ClientSampled :

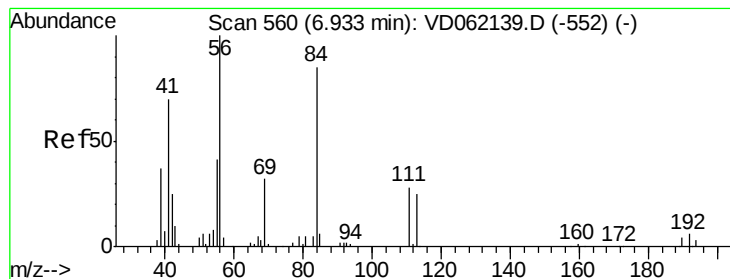
Tot Ion: 43 Resp: 3890
Ion Ratio Lower Upper
43 100
58 32.1 19.9 29.9#



#20
Methylene Chloride
Concen: 1.343 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062358.D
Acq: 14 May 2019 20:38

Tgt Ion: 84 Resp: 5428
Ion Ratio Lower Upper
84 100
49 109.8 94.0 141.0
51 33.1 29.0 43.4
86 48.0 49.8 74.6#





#31

Cyclohexane

Concen: 2.289 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

Instrument :
MSVOA_D
ClientSampleId :

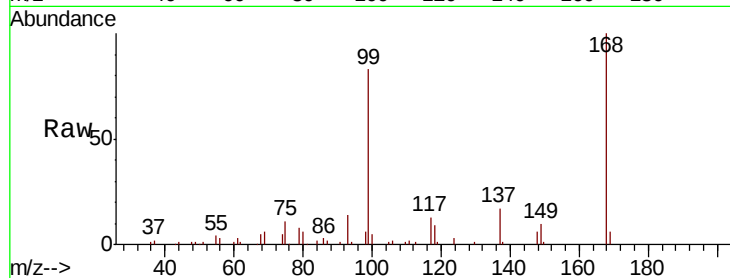
Tot Ion: 56 Resp: 11084

Ion Ratio Lower Upper

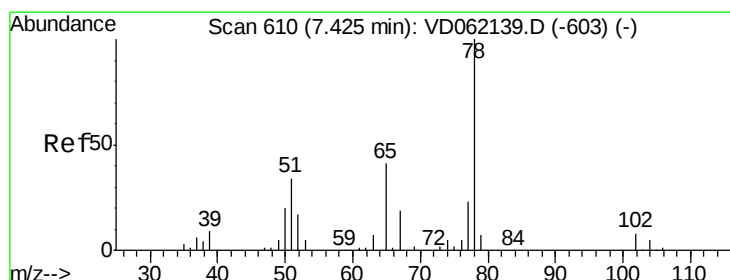
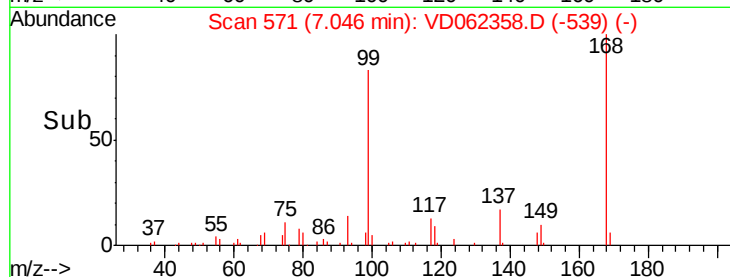
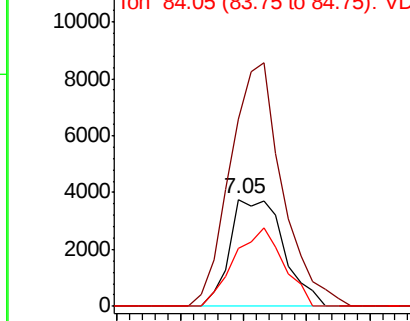
56 100

69 176.0 25.8 38.6#

84 54.9 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: 50.119 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062358.D

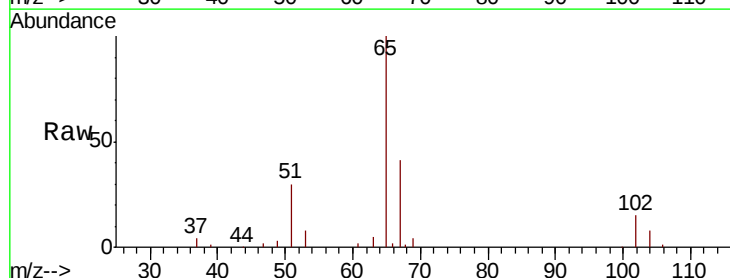
Acq: 14 May 2019 20:38

Tgt Ion: 65 Resp: 231307

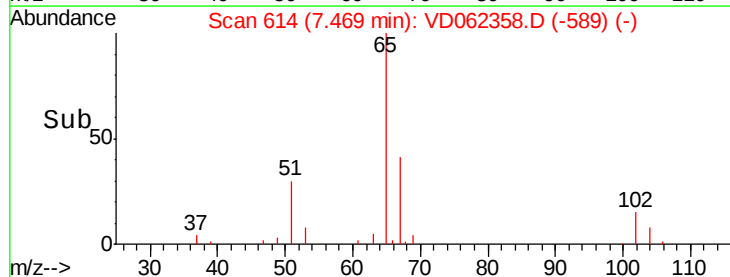
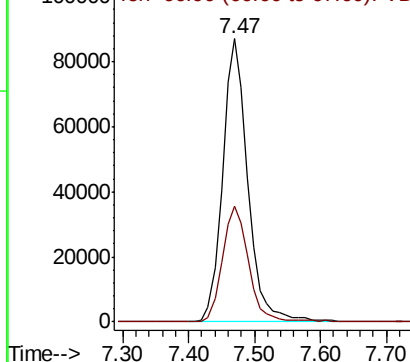
Ion Ratio Lower Upper

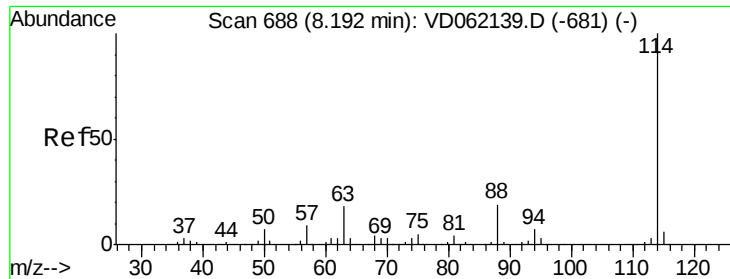
65 100

67 40.8 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: 8.24 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

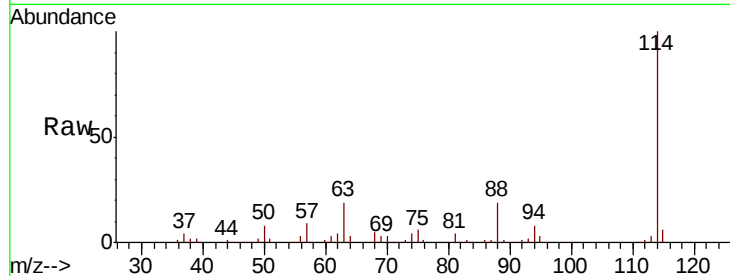
Tot Ion:114 Resp: 637555

Ion Ratio Lower Upper

114 100

63 18.8 0.0 32.4

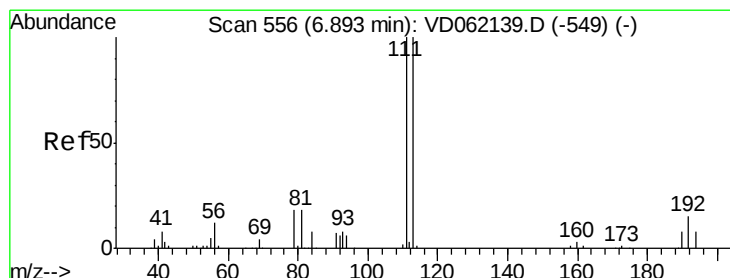
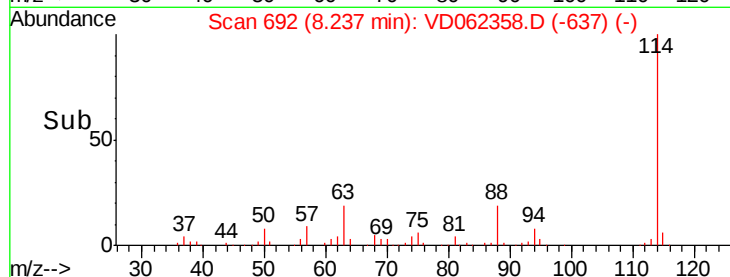
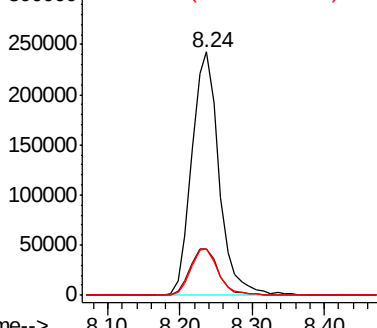
88 19.3 0.0 33.6



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: 44.846 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

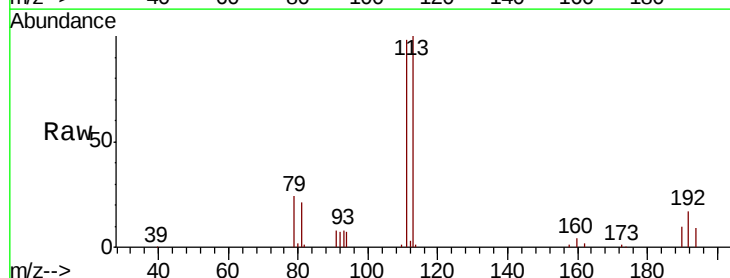
Tgt Ion:113 Resp: 237230

Ion Ratio Lower Upper

113 100

111 98.2 78.5 117.7

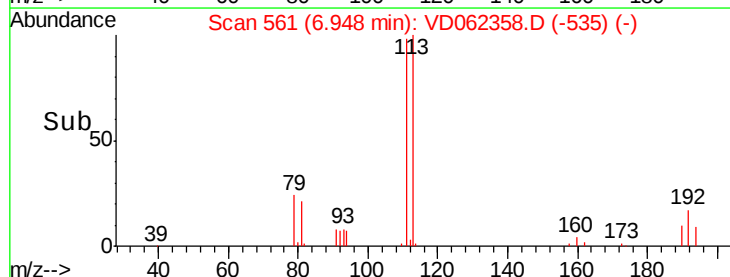
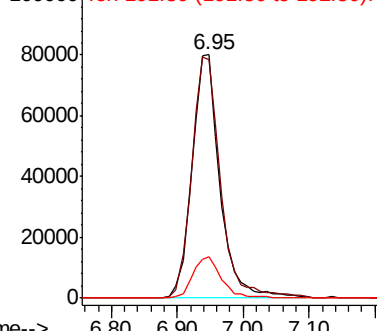
192 17.2 13.0 19.4

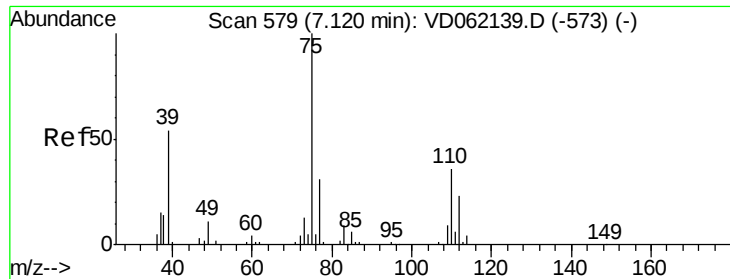


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 8.439 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

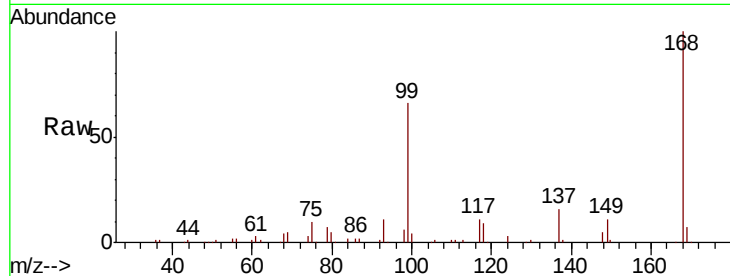
Tot Ion: 75 Resp: 44113

Ion Ratio Lower Upper

75 100

110 6.0 19.1 57.1#

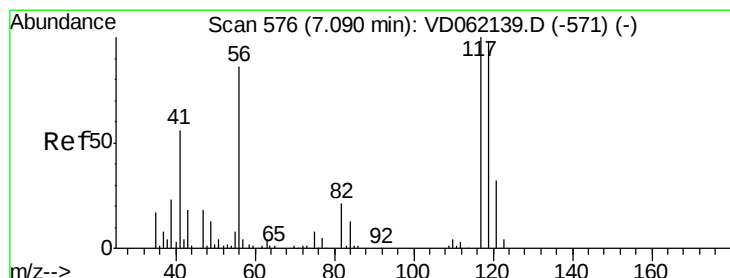
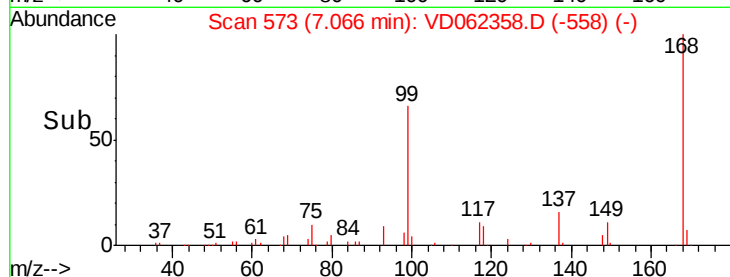
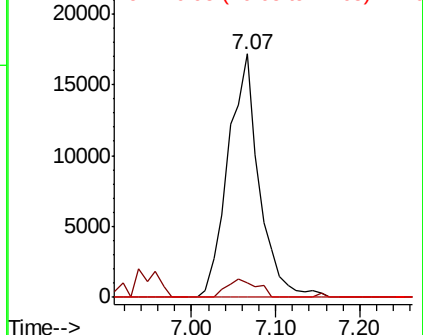
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 7.799 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

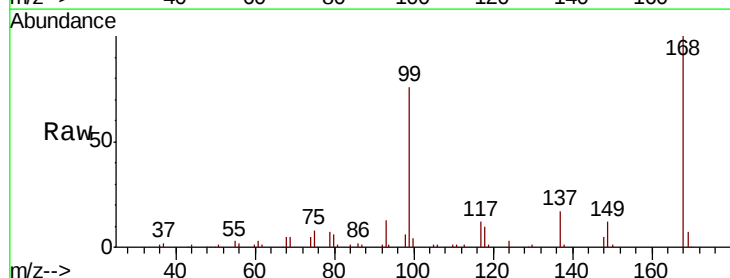
Tgt Ion: 117 Resp: 56430

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

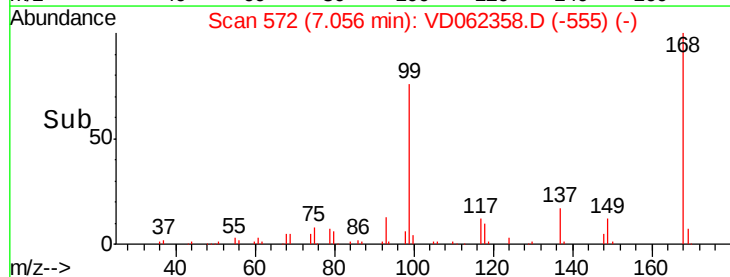
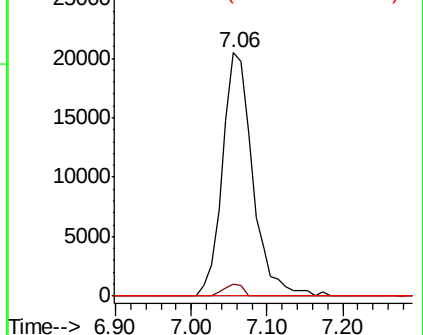
121 0.0 25.9 38.9#

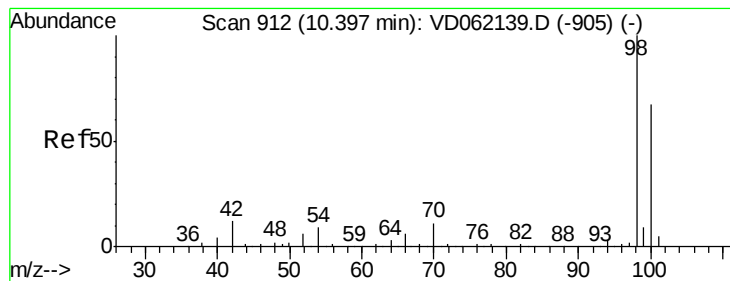


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 31.206 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

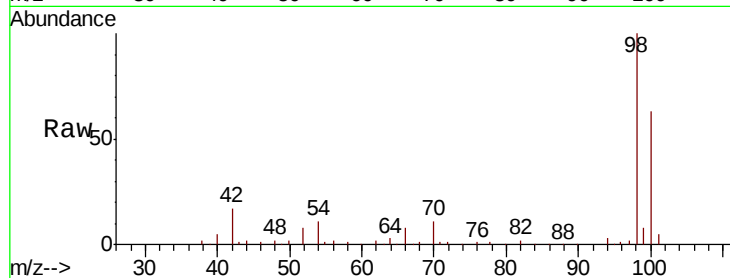
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 398015

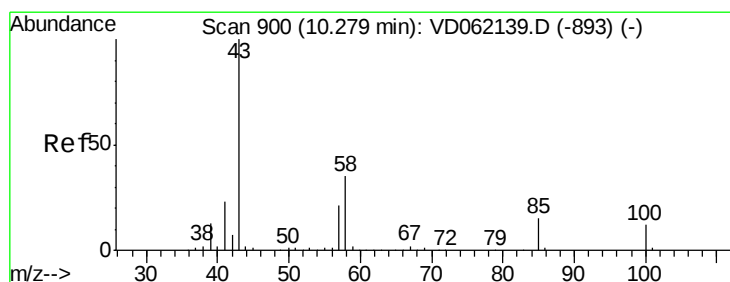
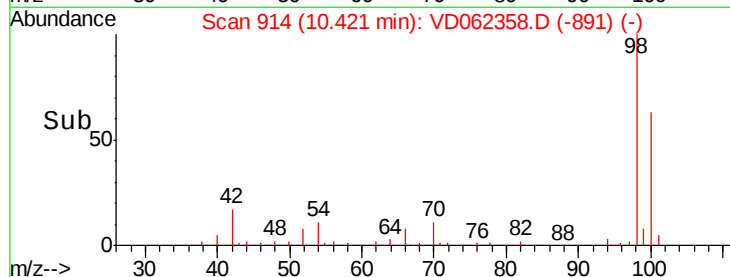
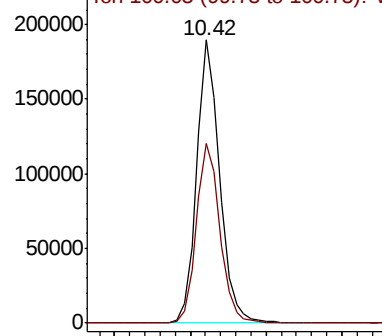
Ion Ratio Lower Upper

98 100

100 63.3 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: 1.166 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD062358.D

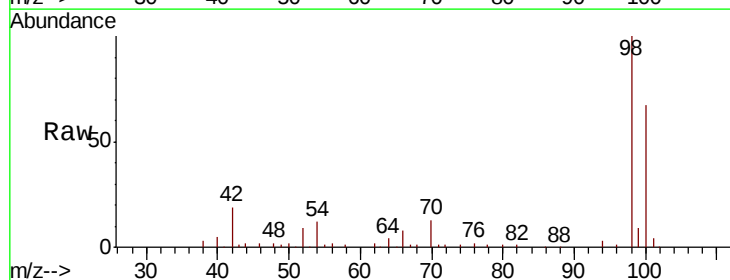
Acq: 14 May 2019 20:38

Tgt Ion: 43 Resp: 2356

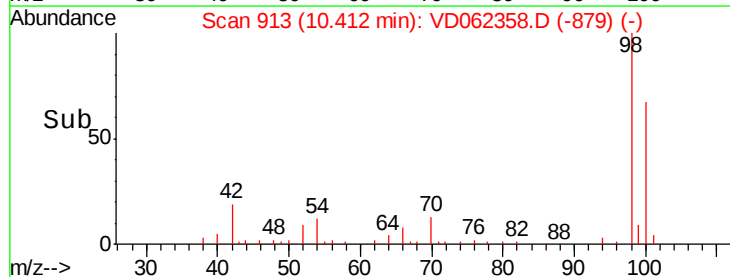
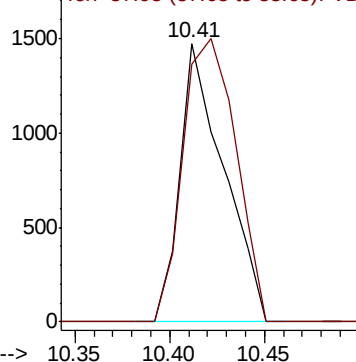
Ion Ratio Lower Upper

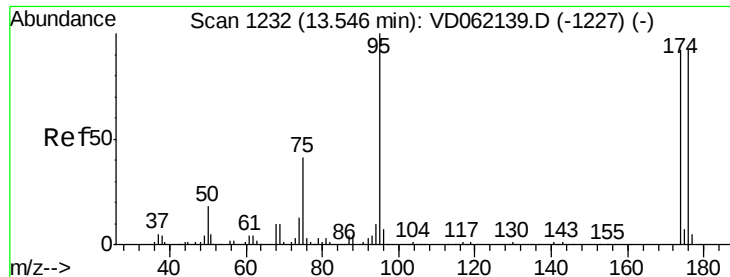
43 100

58 92.4 30.4 45.6#



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





#62

4-Bromofluorobenzene

Concen: 35.767 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

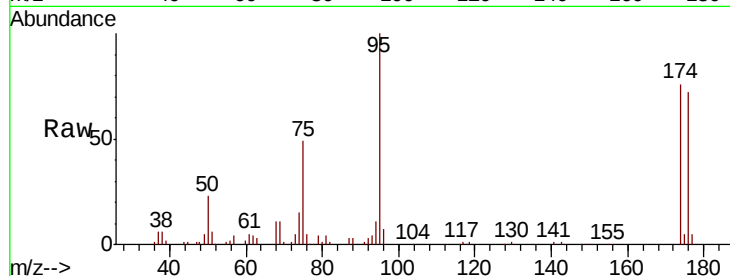
Tot Ion: 95 Resp: 183184

Ion Ratio Lower Upper

95 100

174 76.1 0.0 181.8

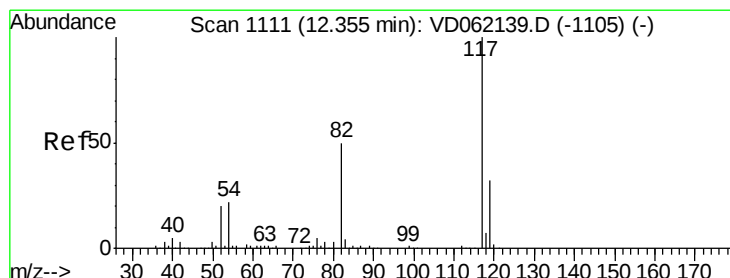
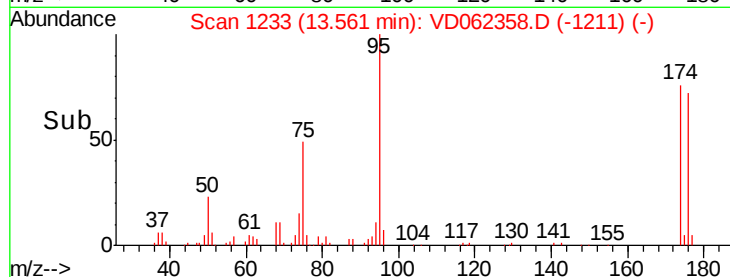
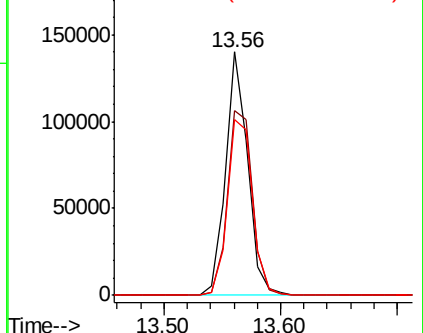
176 72.1 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

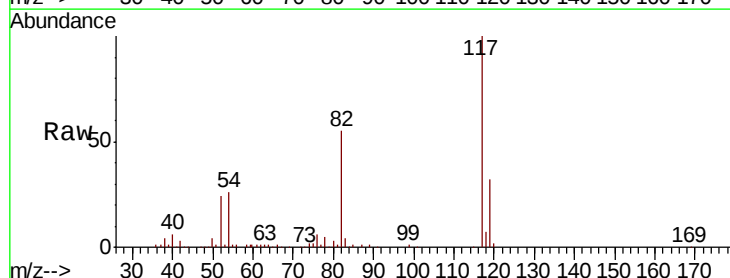
Tgt Ion: 117 Resp: 554514

Ion Ratio Lower Upper

117 100

82 54.6 36.2 54.2#

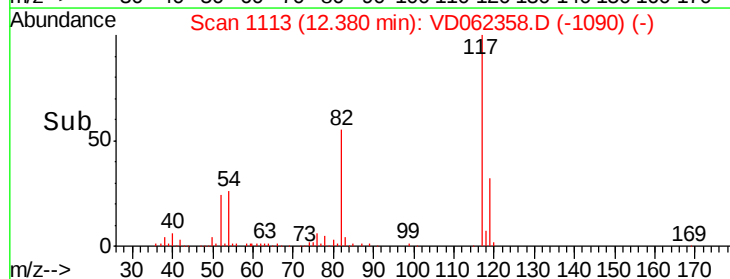
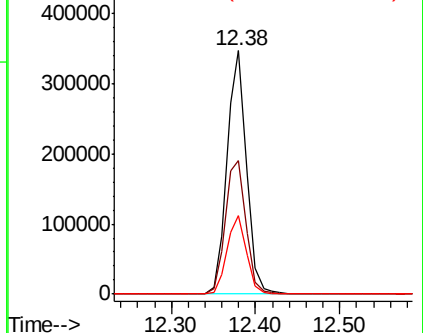
119 32.5 26.2 39.4

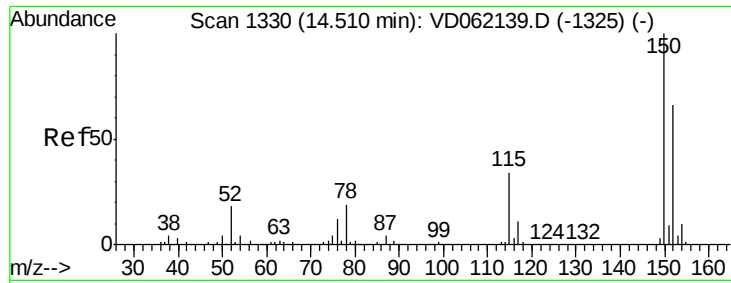


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

Instrument :

MSVOA_D

ClientSampled :

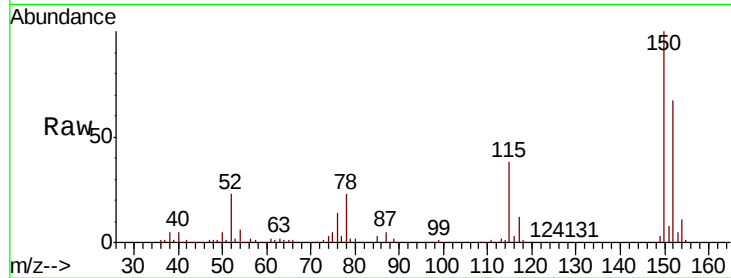
Tot Ion:152 Resp: 269938

Ion Ratio Lower Upper

152 100

115 56.4 30.9 92.7

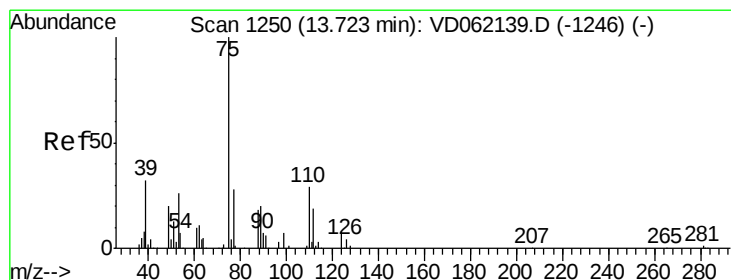
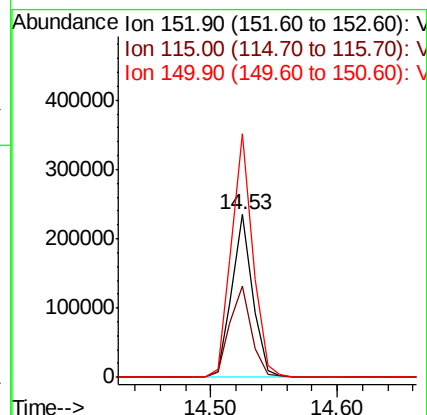
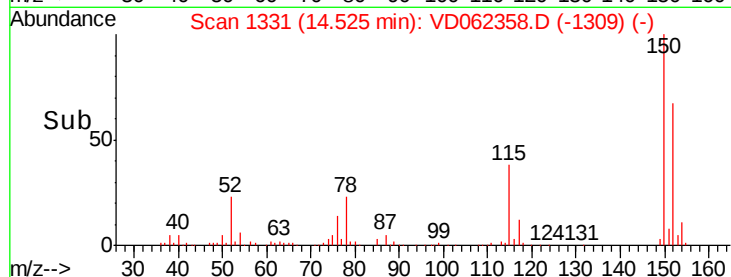
150 149.5 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 26.650 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062358.D

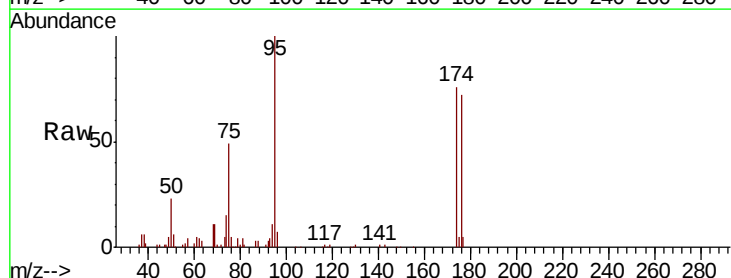
Acq: 14 May 2019 20:38

Tgt Ion: 75 Resp: 85493

Ion Ratio Lower Upper

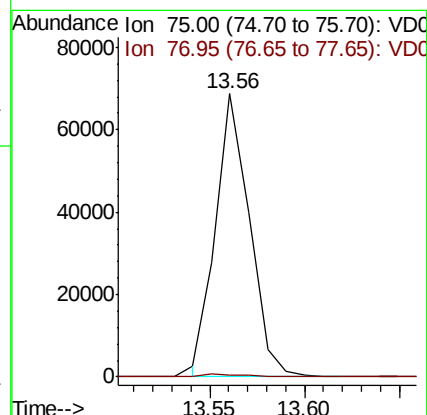
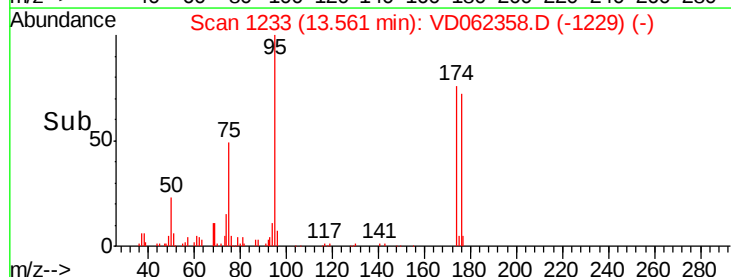
75 100

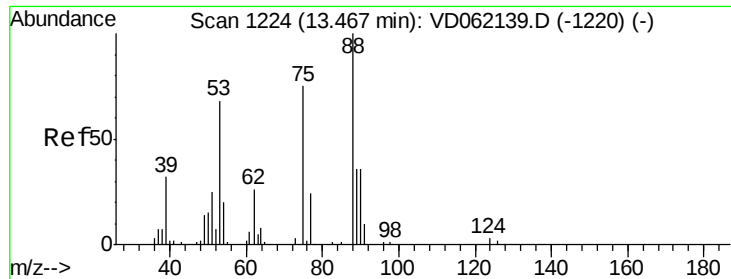
77 0.8 16.4 49.4#



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: 96.148 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062358.D

Acq: 14 May 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

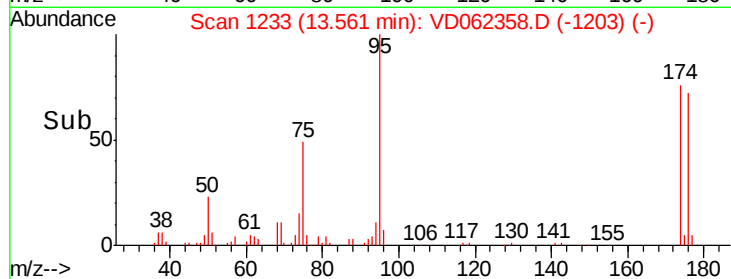
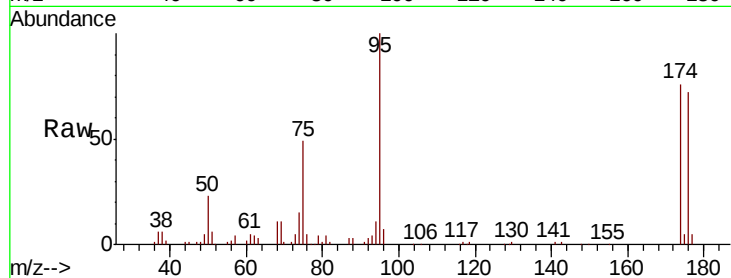
Tot Ion: 75 Resp: 87075

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

