

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062267.D
 Acq On : 12 May 2019 19:00
 Operator : FY/SY
 Sample : K2733-12
 Misc : 5.69g/5mL/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-1218-01

Quant Time: May 13 01:35:15 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	455453	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	642863	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.37	117	426138	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	186914	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	204440	48.30	ug/l	0.05
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	6.94	113	259055	48.57	ug/l	0.05
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	10.42	98	348261	27.08	ug/l	0.03
Spiked Amount			Recovery	=	54.16%	
62) 4-Bromofluorobenzene	13.56	95	139747	27.06	ug/l	0.02
Spiked Amount			Recovery	=	54.12%	

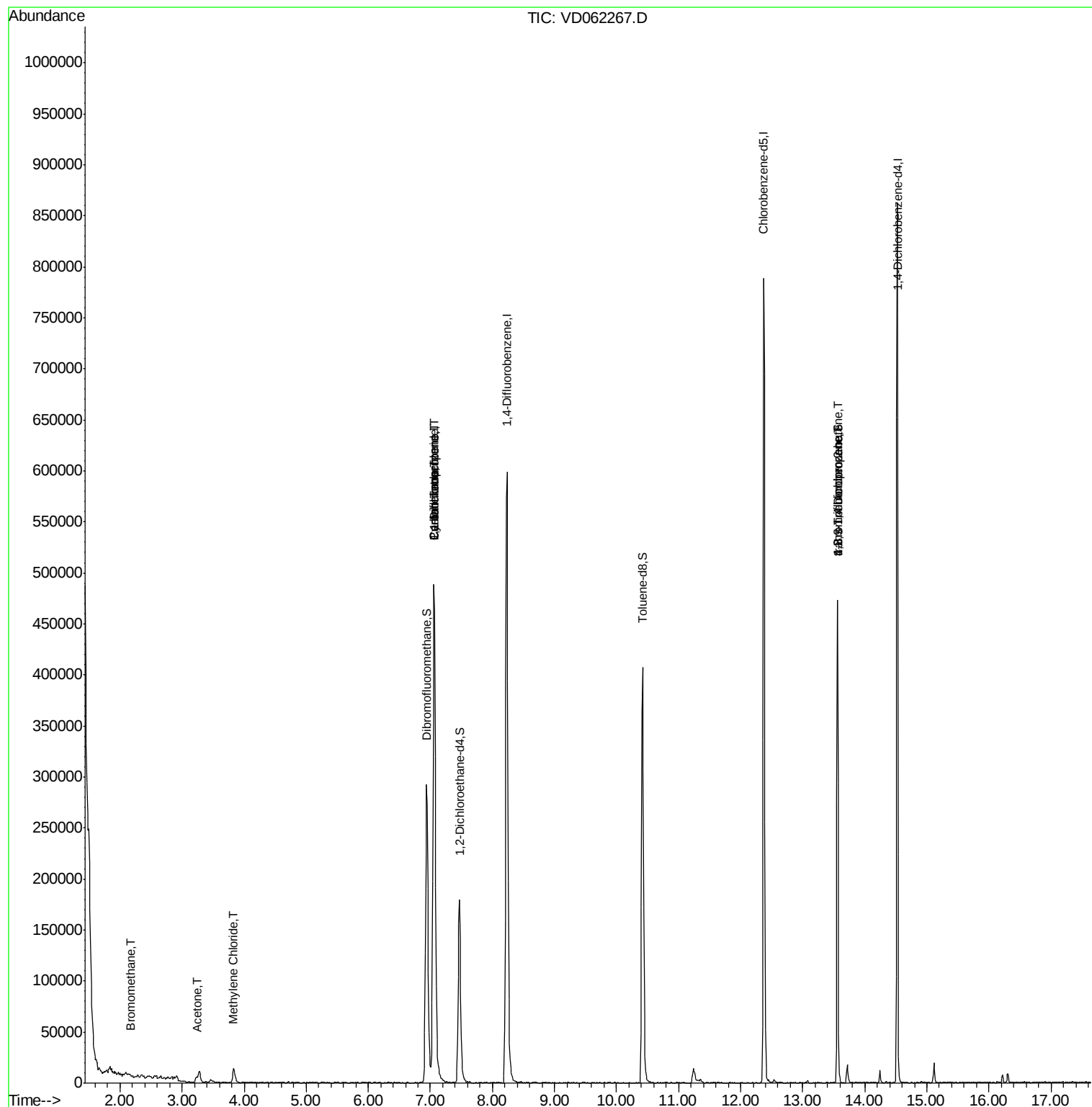
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	763	1.053	ug/l #	12
16) Acetone	3.24	43	13069	14.724	ug/l #	81
18) Methyl Acetate	3.66	43	416	Below Cal	#	53
20) Methylene Chloride	3.83	84	8429	2.274	ug/l #	61
31) Cyclohexane	7.06	56	9077	2.044	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	36893	6.999	ug/l #	47
38) Carbon Tetrachloride	7.07	117	47012	6.444	ug/l #	12
76) 1,2,3-Trichloropropane	13.56	75	59031	26.575	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	61762	98.490	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
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. 0.05 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

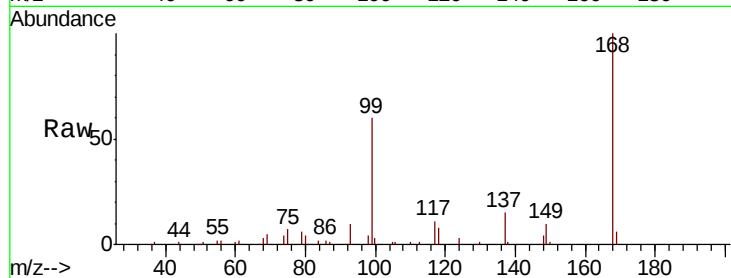
P021-SS002-1218-01

Tot Ion:168 Resp: 455453

Ion Ratio Lower Upper

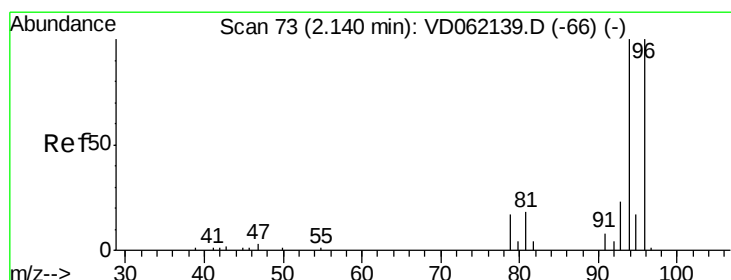
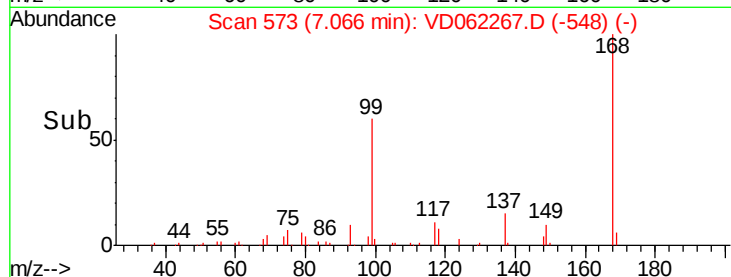
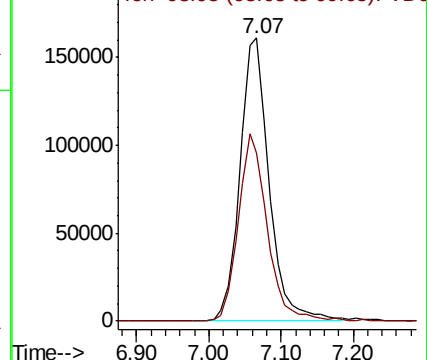
168 100

99 59.6 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: 1.053 ug/l

RT: 2.18 min Scan# 76

Delta R.T. 0.04 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

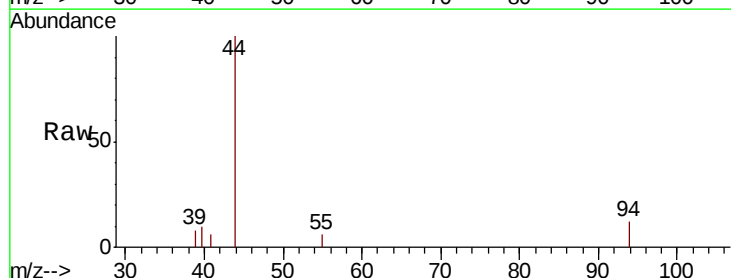
Tgt Ion: 94 Resp: 763

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

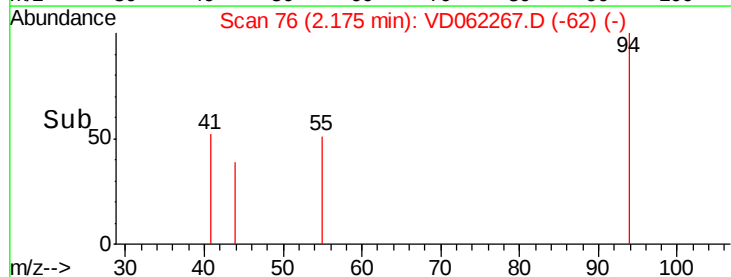
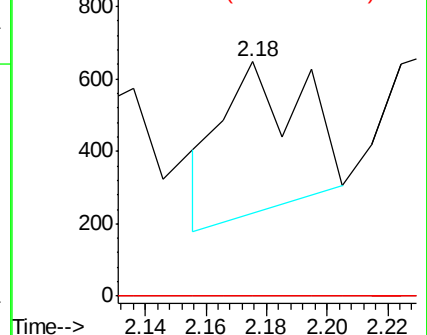
93 0.0 18.5 27.7#

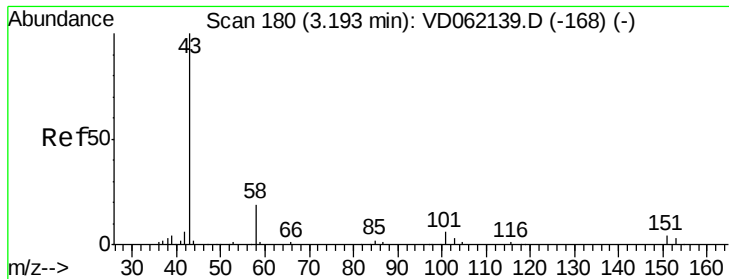


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 14.724 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.05 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

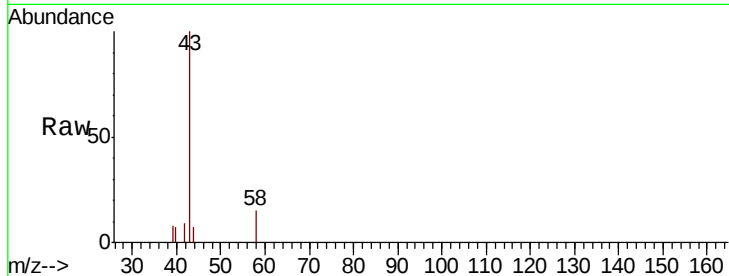
P021-SS002-1218-01

Tot Ion: 43 Resp: 13069

Ion Ratio Lower Upper

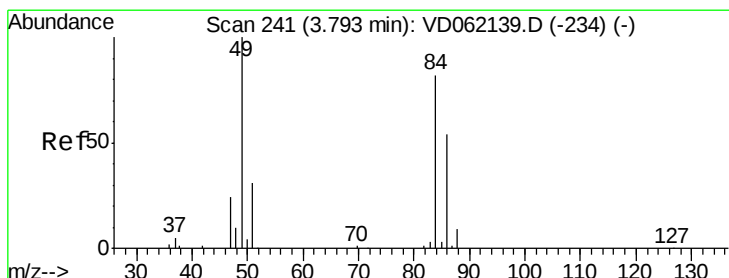
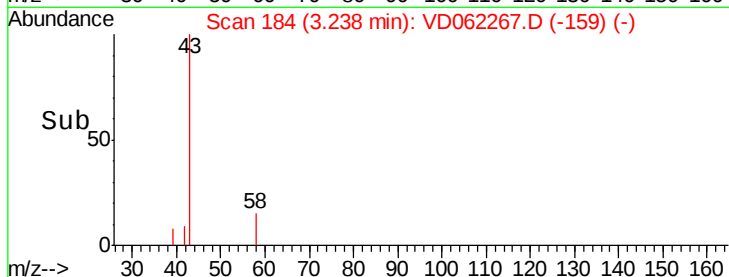
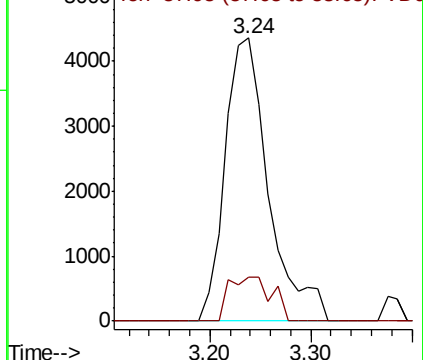
43 100

58 15.4 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.274 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.04 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

Tgt Ion: 84 Resp: 8429

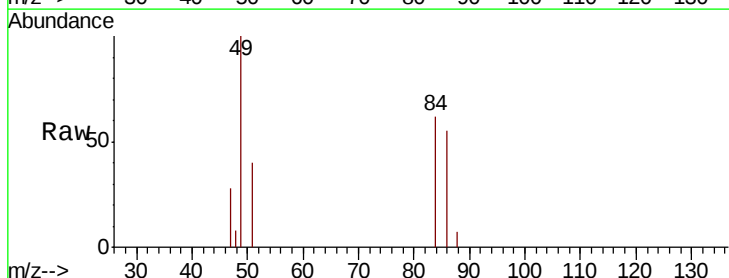
Ion Ratio Lower Upper

84 100

49 161.2 94.0 141.0#

51 64.5 29.0 43.4#

86 88.1 49.8 74.6#

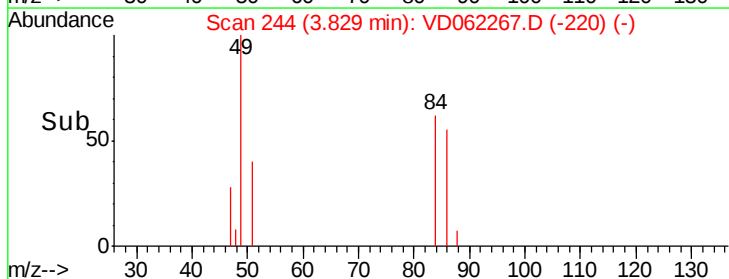
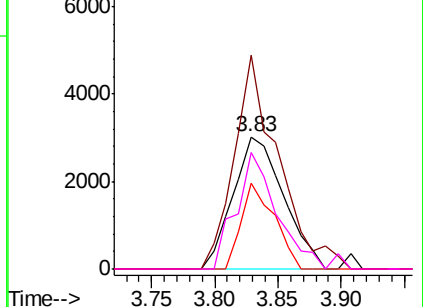


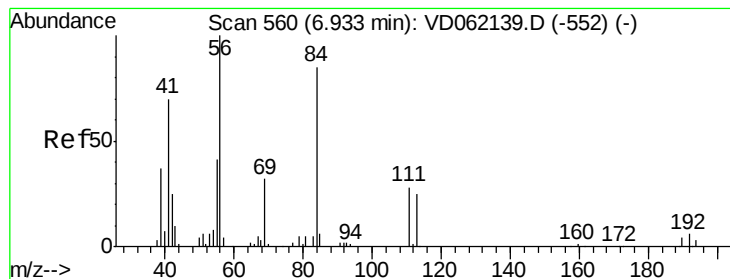
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#31

Cvclohexane

Concen: 2.044 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-1218-01

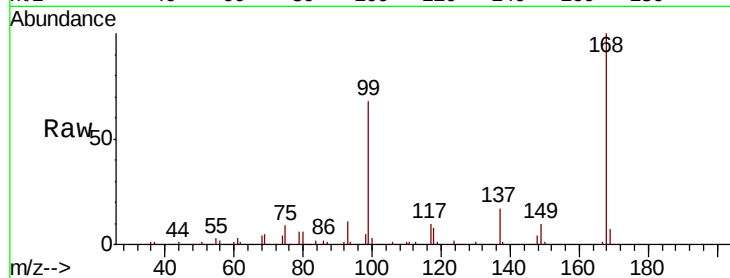
Tot Ion: 56 Resp: 9077

Ion Ratio Lower Upper

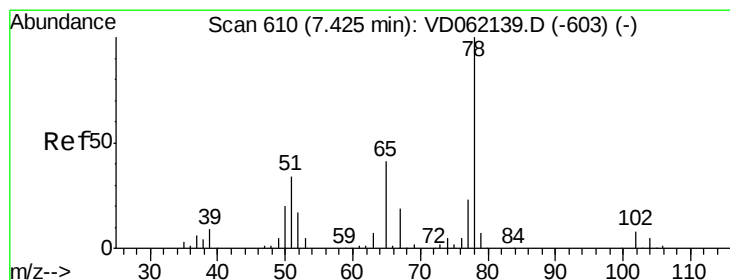
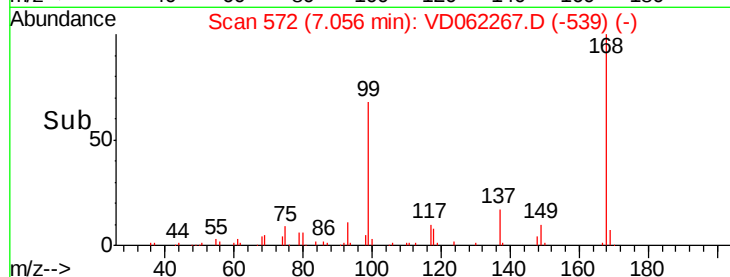
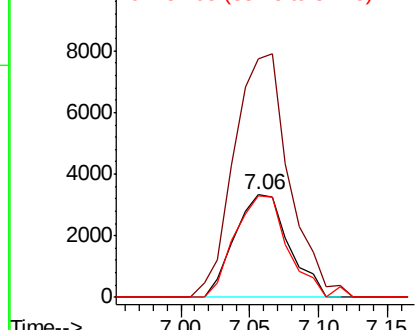
56 100

69 233.2 25.8 38.6#

84 99.7 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: 48.301 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.05 min

Lab File: VD062267.D

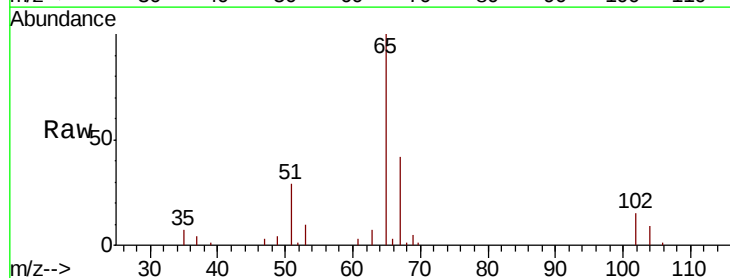
Acq: 12 May 2019 19:00

Tgt Ion: 65 Resp: 204440

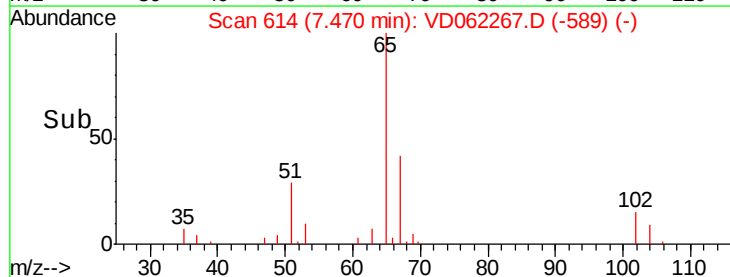
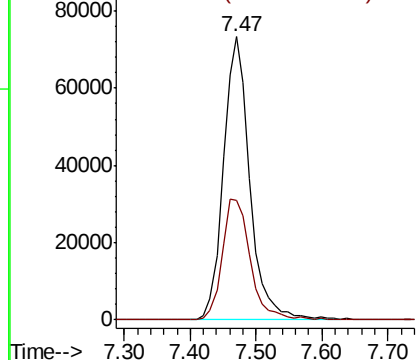
Ion Ratio Lower Upper

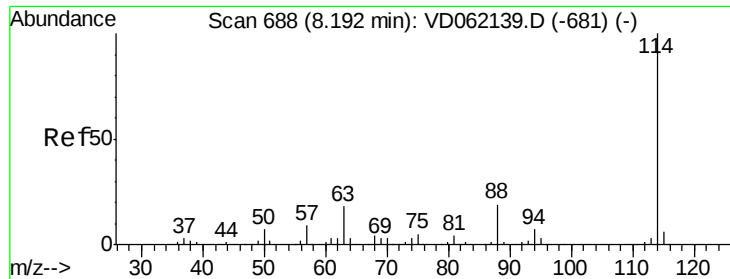
65 100

67 42.1 0.0 98.0



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

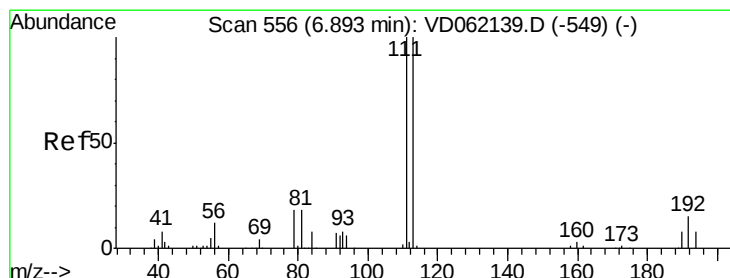
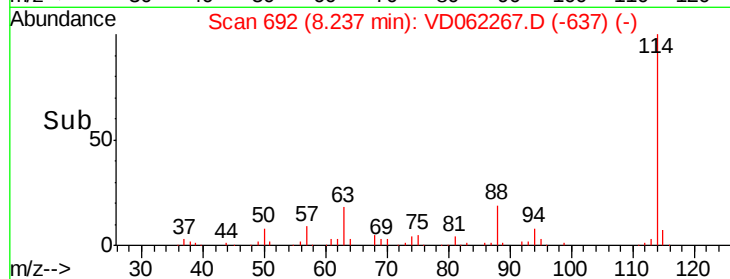
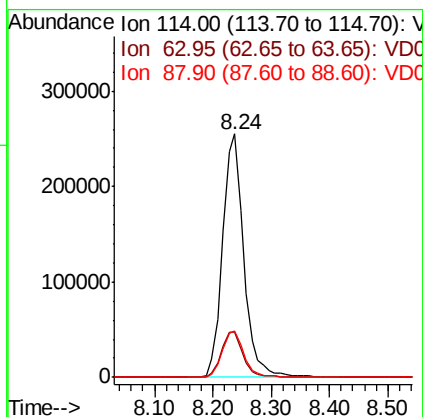
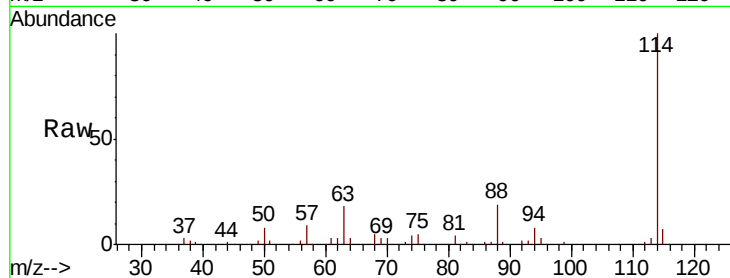




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.05 min
 Lab File: VD062267.D
 Acq: 12 May 2019 19:00

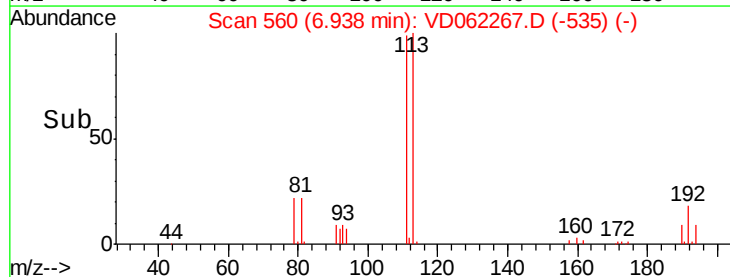
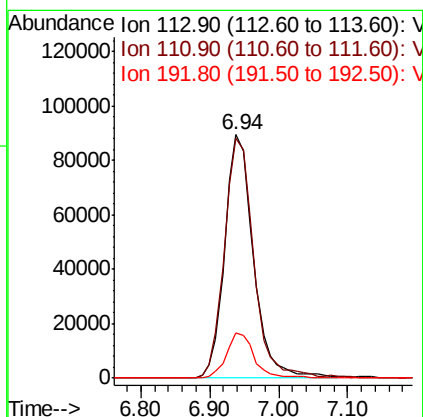
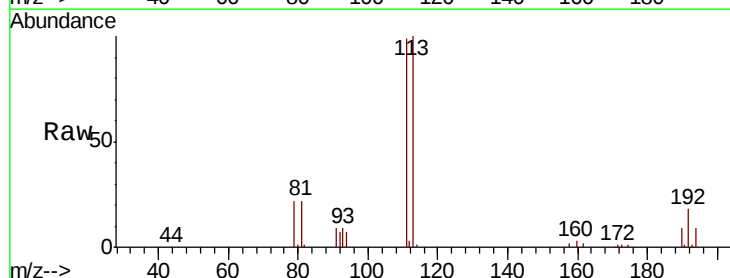
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-1218-01

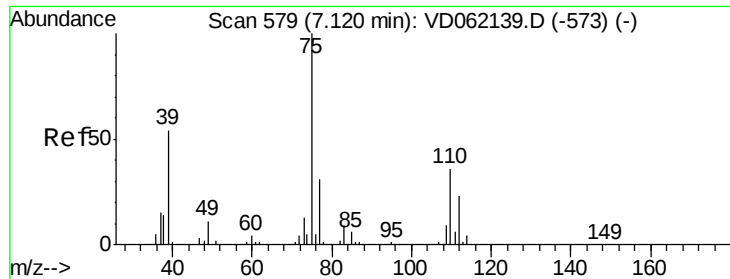
Tot Ion:114 Resp: 642863
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 32.4
 88 19.0 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 48.568 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.05 min
 Lab File: VD062267.D
 Acq: 12 May 2019 19:00

Tgt Ion:113 Resp: 259055
 Ion Ratio Lower Upper
 113 100
 111 98.7 78.5 117.7
 192 18.3 13.0 19.4





#36

1,1-Dichloropropene

Concen: 6.999 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-1218-01

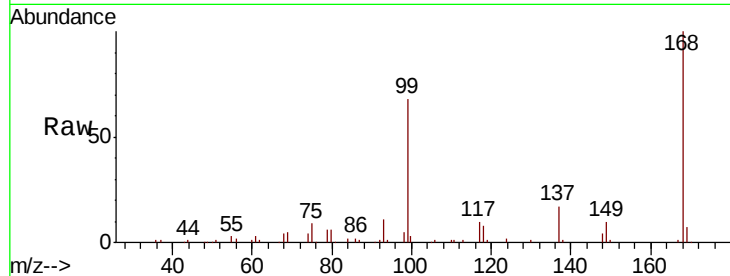
Tot Ion: 75 Resp: 36893

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.1#

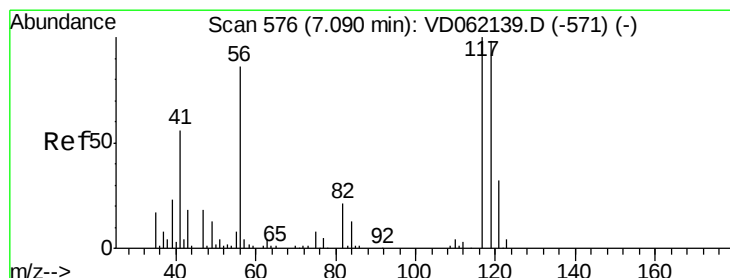
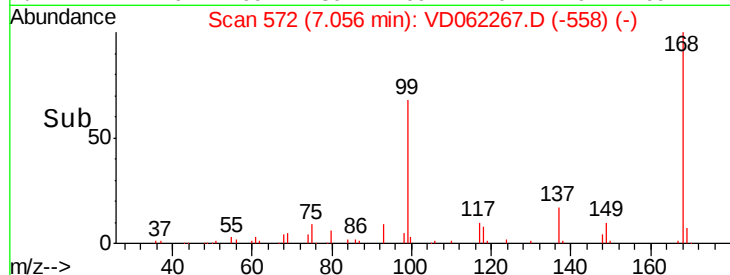
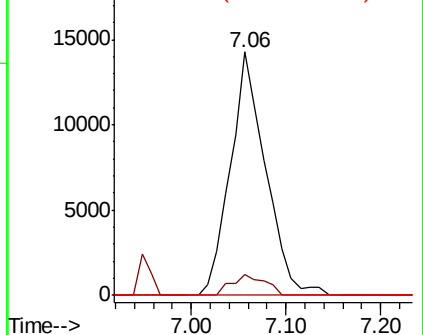
77 0.0 25.6 38.4#



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: 6.444 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.02 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

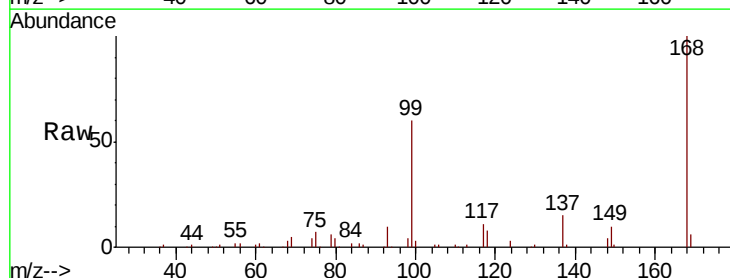
Tgt Ion: 117 Resp: 47012

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

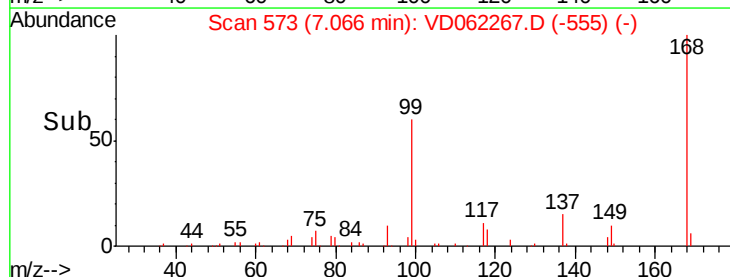
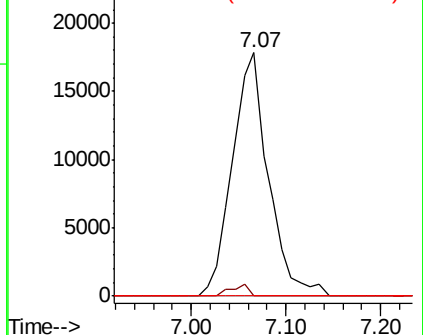
121 0.0 25.9 38.9#

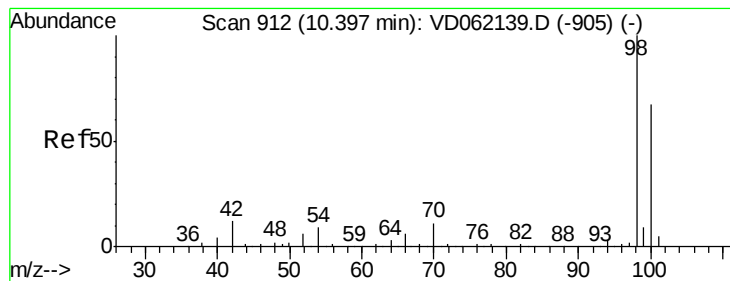


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 27.080 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

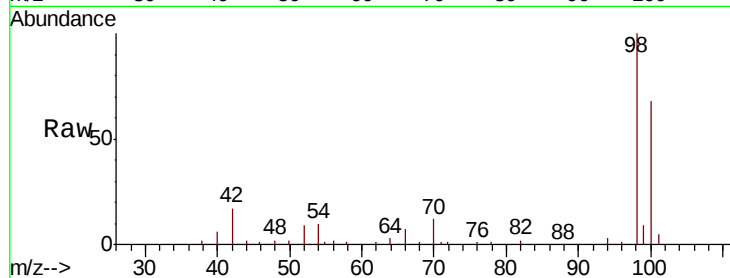
P021-SS002-1218-01

Tot Ion: 98 Resp: 348261

Ion Ratio Lower Upper

98 100

100 68.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.42

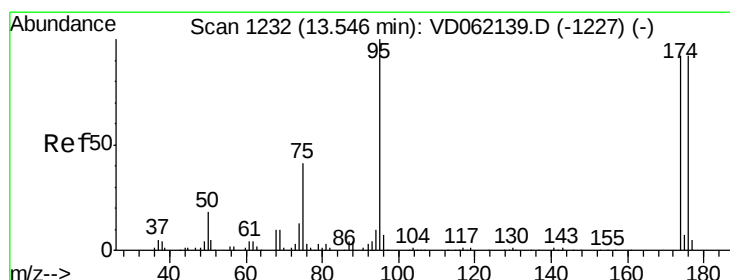
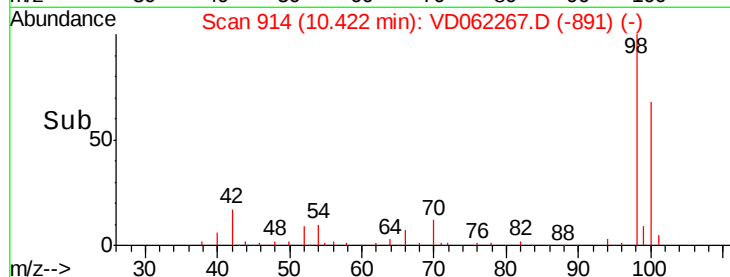
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 27.060 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

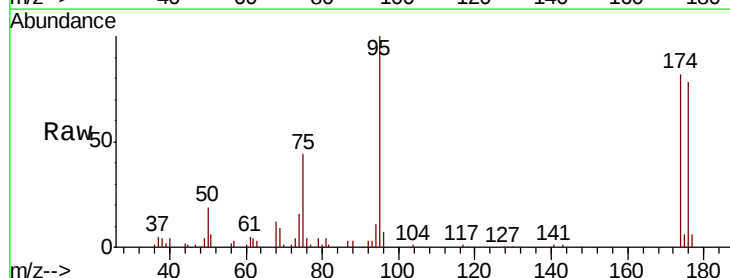
Tgt Ion: 95 Resp: 139747

Ion Ratio Lower Upper

95 100

174 81.6 0.0 181.8

176 78.3 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

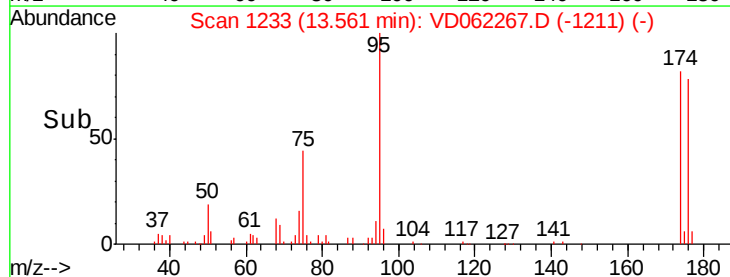
13.56

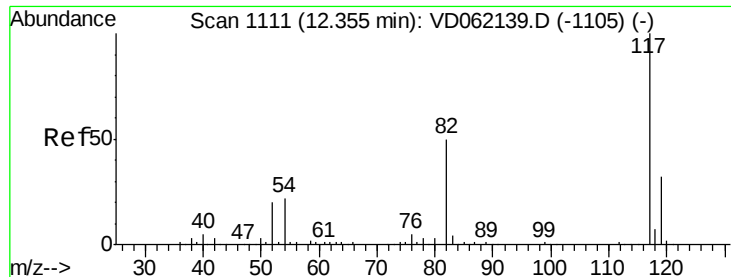
100000

50000

0

Time-->

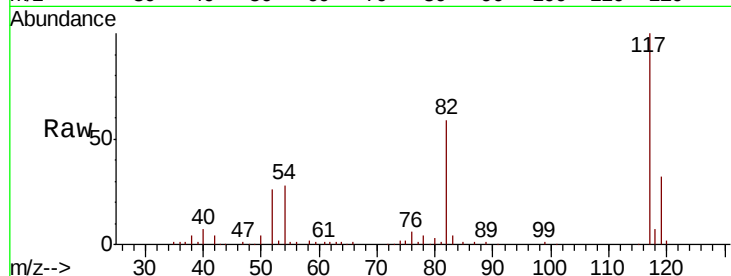




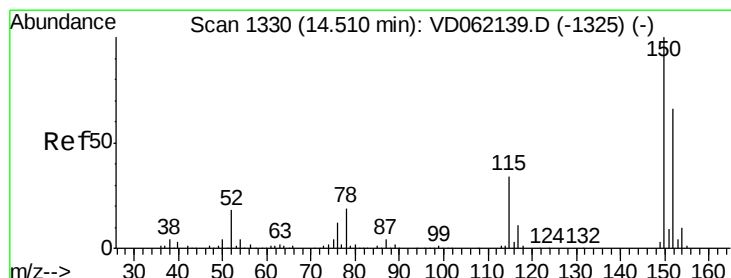
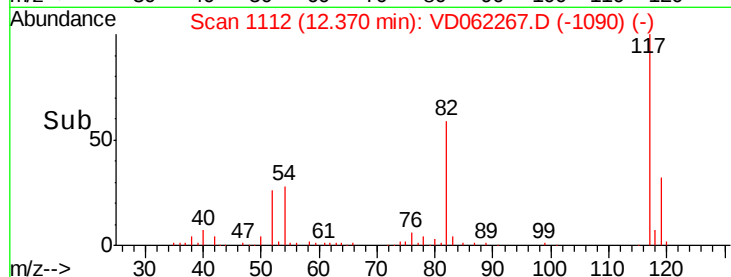
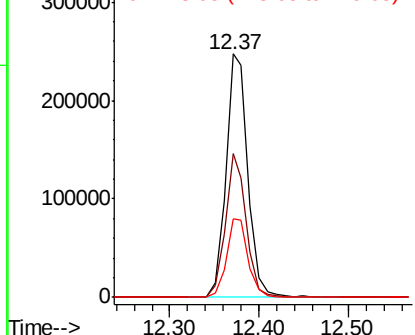
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD062267.D
Acq: 12 May 2019 19:00

Instrument :
MSVOA_D
ClientSampleId :
P021-SS002-1218-01

Tot Ion:117 Resp: 426138
Ion Ratio Lower Upper
117 100
82 59.0 36.2 54.2#
119 32.4 26.2 39.4

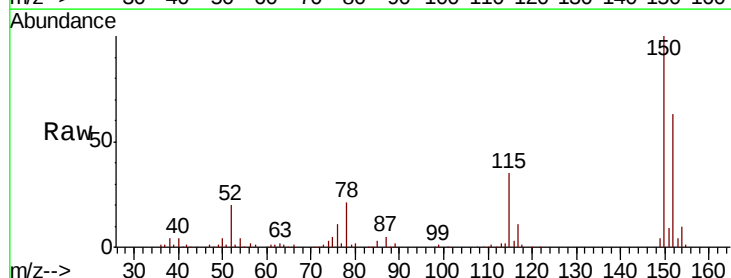


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

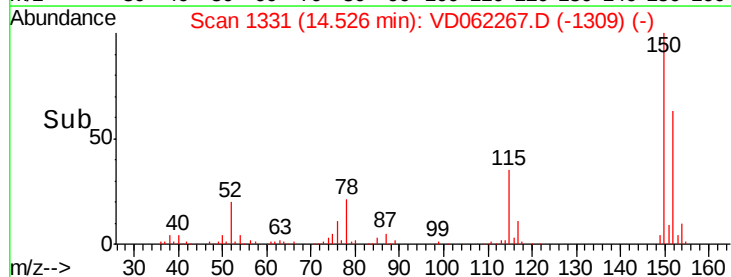
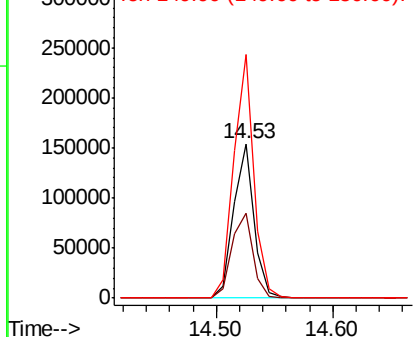


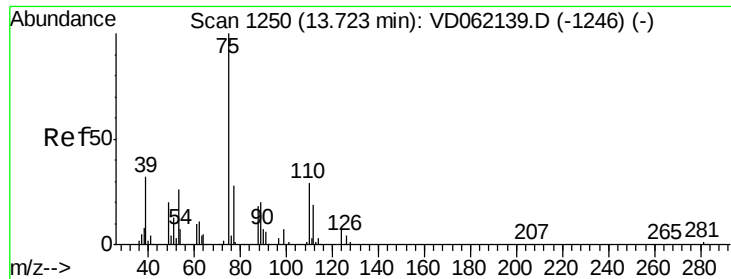
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD062267.D
Acq: 12 May 2019 19:00

Tgt Ion:152 Resp: 186914
Ion Ratio Lower Upper
152 100
115 55.0 30.9 92.7
150 157.7 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: 26.575 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

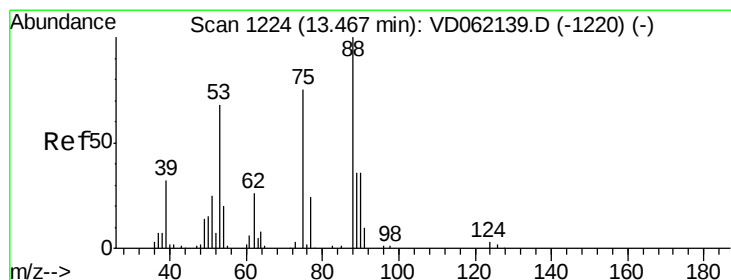
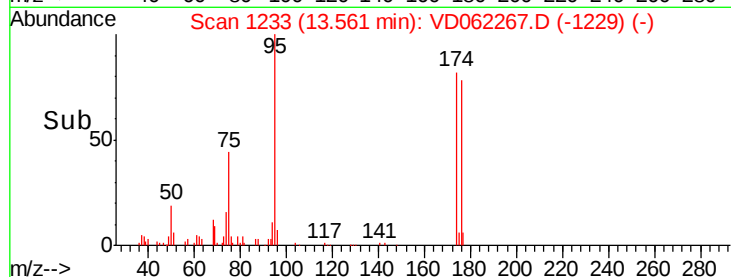
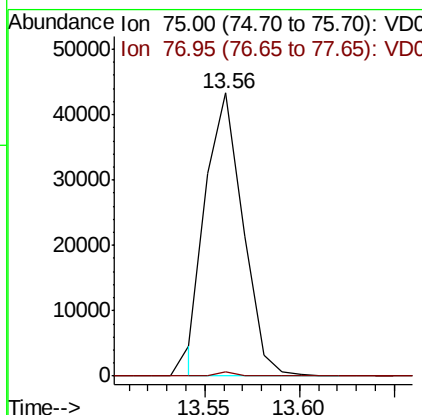
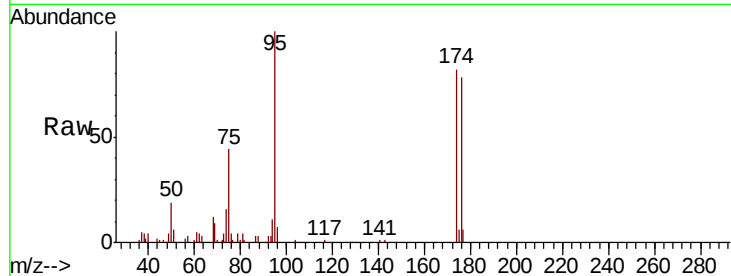
P021-SS002-1218-01

Tot Ion: 75 Resp: 59031

Ion Ratio Lower Upper

75 100

77 1.6 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.490 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062267.D

Acq: 12 May 2019 19:00

Tgt Ion: 75 Resp: 61762

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

