

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062356.D
 Acq On : 14 May 2019 19:42
 Operator : FY/SY
 Sample : K2735-8RE
 Misc : 5.89g/5mL/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS016-0002-01

Quant Time: May 15 02:01:53 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	7.06	168	735553	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	931488	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	726337	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	324020	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	282004	41.26	ug/l	0.05
Spiked Amount			Recovery	=	82.52%	
35) Dibromofluoromethane	6.94	113	328938	42.56	ug/l	0.05
Spiked Amount			Recovery	=	85.12%	
50) Toluene-d8	10.42	98	622924	33.43	ug/l	0.03
Spiked Amount			Recovery	=	66.86%	
62) 4-Bromofluorobenzene	13.56	95	248119	33.16	ug/l	0.02
Spiked Amount			Recovery	=	66.32%	

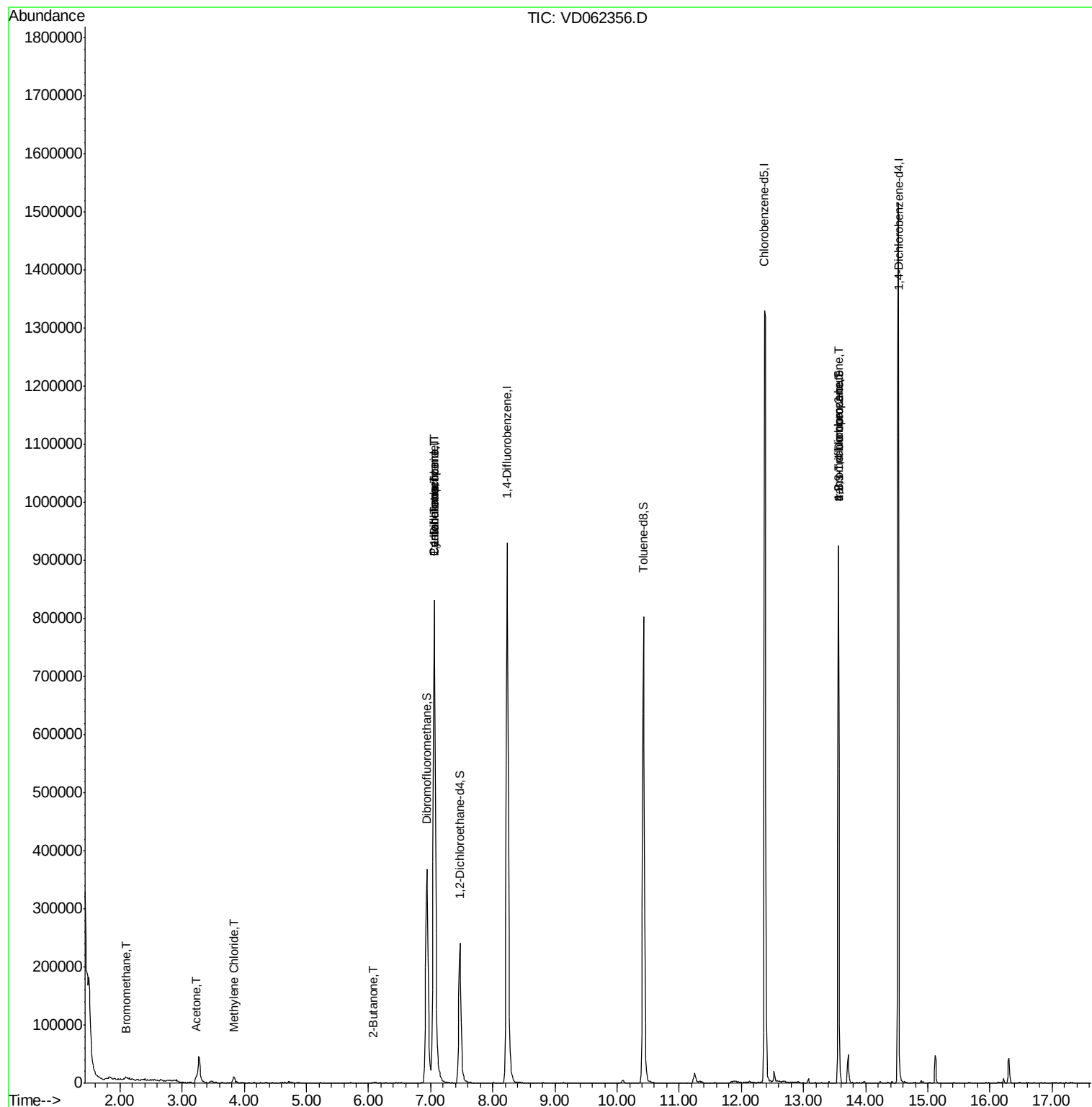
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.11	94	1761	1.504	ug/l #	12
16) Acetone	3.23	43	23635	16.488	ug/l #	73
20) Methylene Chloride	3.83	84	6770	1.131	ug/l #	82
25) 2-Butanone	6.08	43	2388	1.527	ug/l #	56
31) Cyclohexane	7.06	56	16830	2.347	ug/l #	14
36) 1,1-Dichloropropene	7.06	75	62524	8.187	ug/l #	48
38) Carbon Tetrachloride	7.06	117	81159	7.678	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	108005	28.048	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	112033	103.059	ug/l #	16

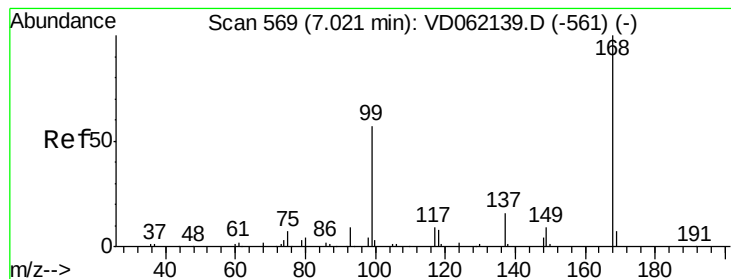
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD062356.D

Acq: 14 May 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

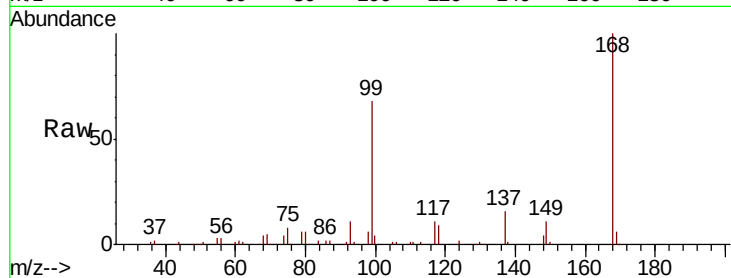
P026-SS016-0002-01

Tot Ion:168 Resp: 735553

Ion Ratio Lower Upper

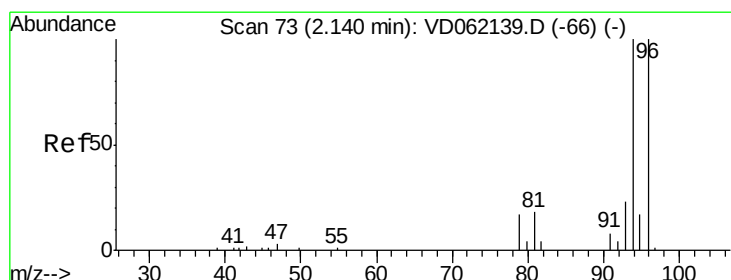
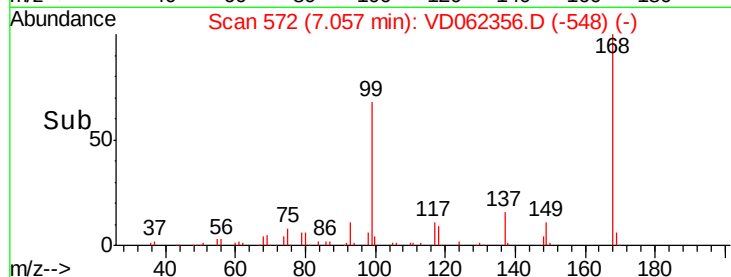
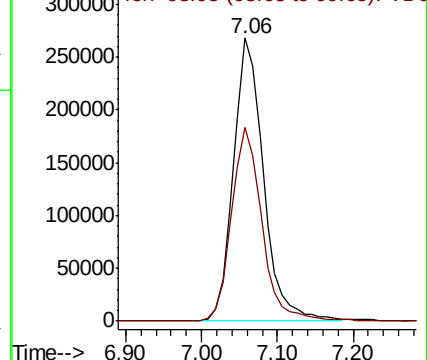
168 100

99 68.5 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: 1.504 ug/l

RT: 2.11 min Scan# 69

Delta R.T. -0.03 min

Lab File: VD062356.D

Acq: 14 May 2019 19:42

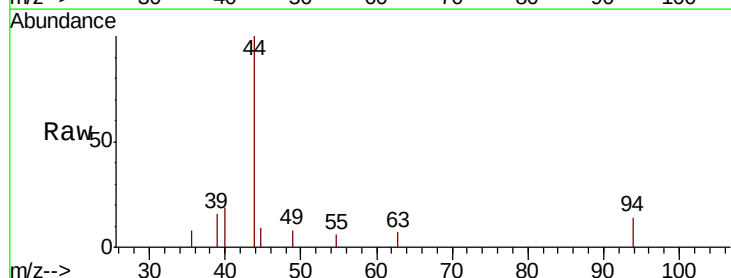
Tgt Ion: 94 Resp: 1761

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

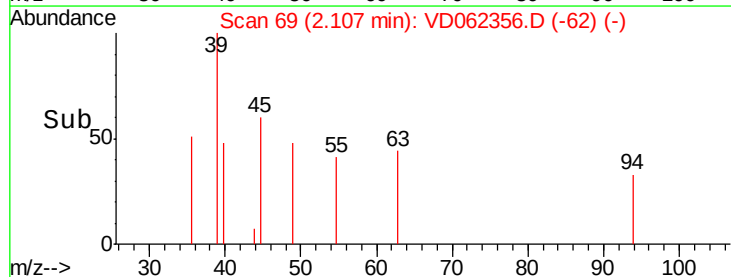
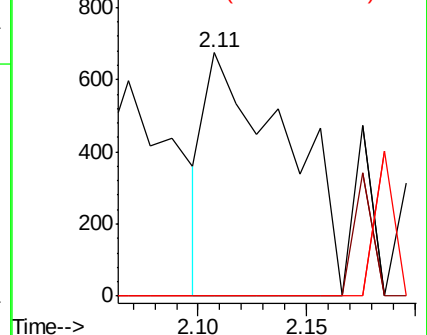
93 0.0 18.5 27.7#

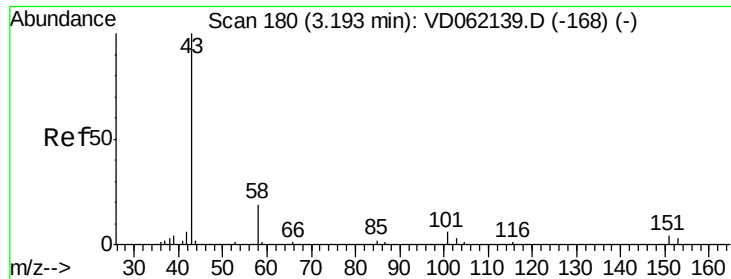


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 16.488 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.04 min

Lab File: VD062356.D

Acq: 14 May 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

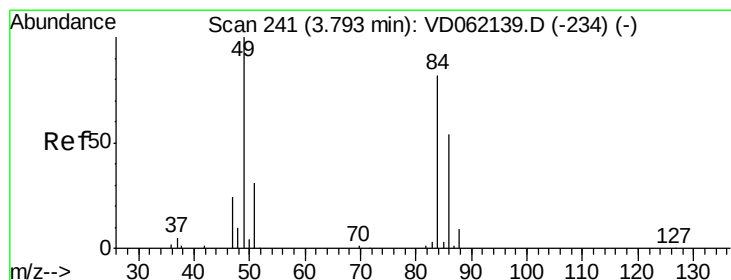
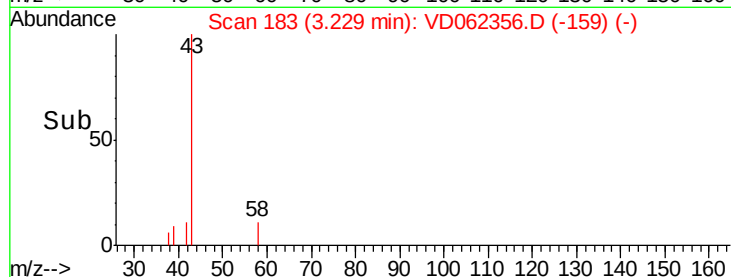
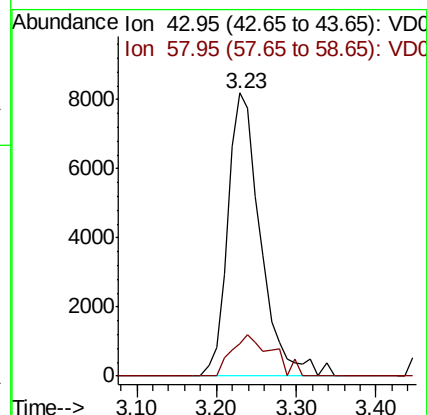
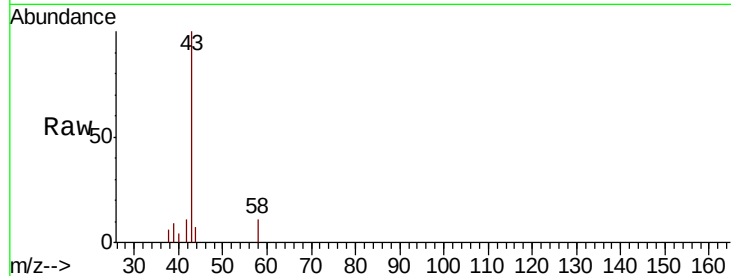
P026-SS016-0002-01

Tot Ion: 43 Resp: 23635

Ion Ratio Lower Upper

43 100

58 11.4 19.9 29.9#



#20

Methylene Chloride

Concen: 1.131 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.04 min

Lab File: VD062356.D

Acq: 14 May 2019 19:42

Tgt Ion: 84 Resp: 6770

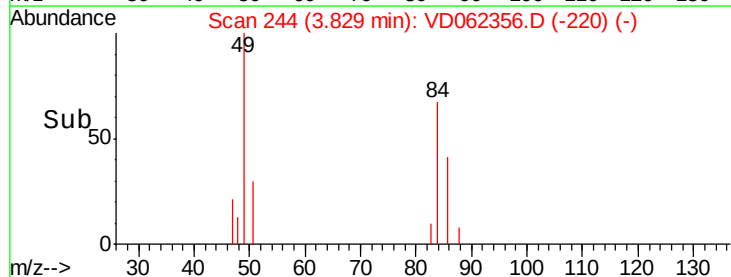
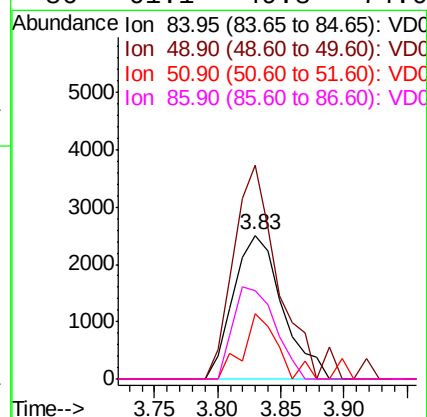
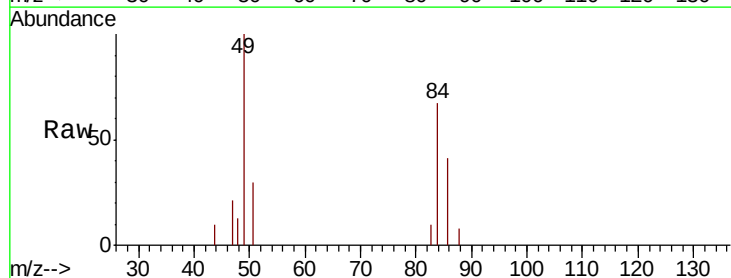
Ion Ratio Lower Upper

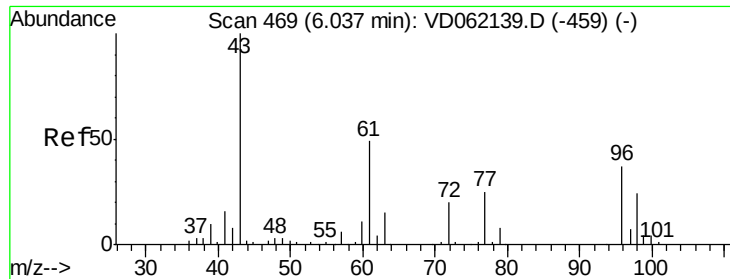
84 100

49 148.7 94.0 141.0#

51 45.3 29.0 43.4#

86 61.1 49.8 74.6

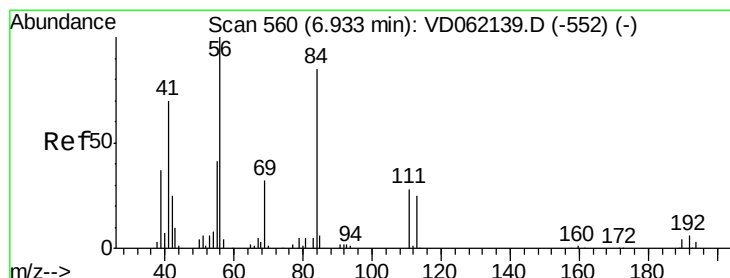
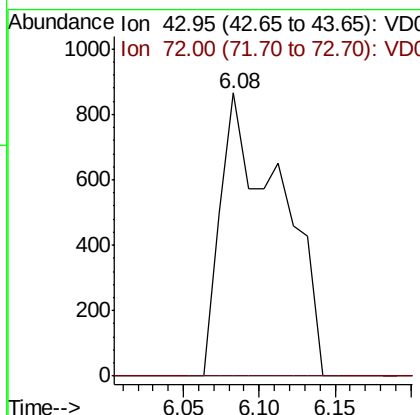
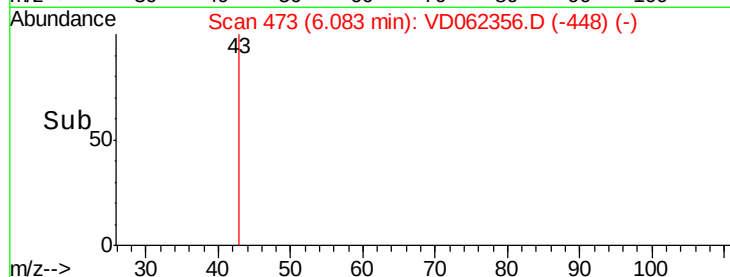
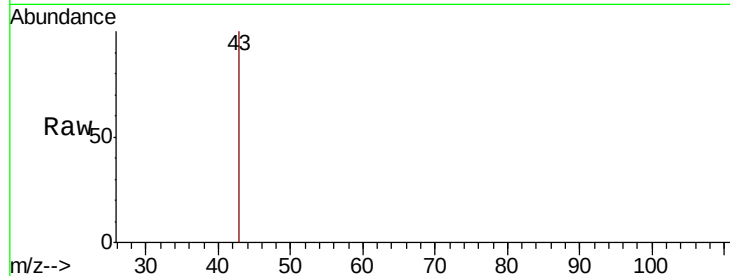




#25
2-Butanone
Concen: 1.527 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.05 min
Lab File: VD062356.D
Acq: 14 May 2019 19:42

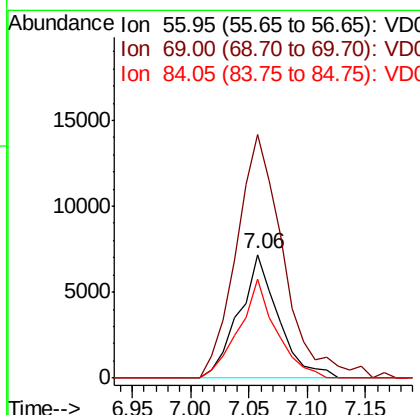
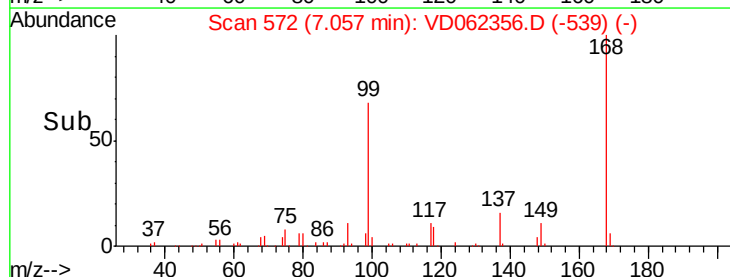
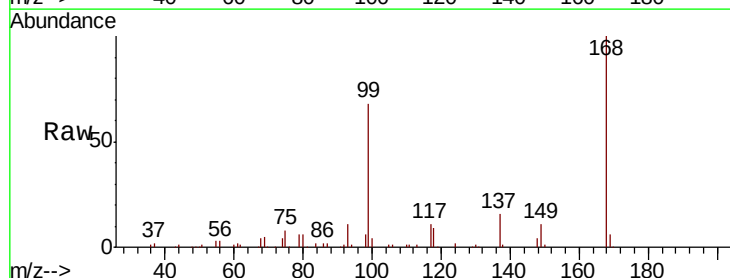
Instrument :
MSVOA_D
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P026-SS016-0002-01

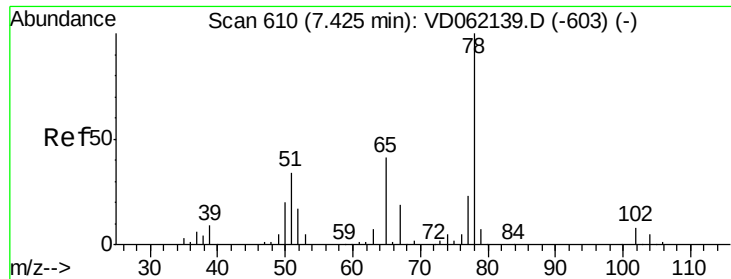
Tot Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



#31
Cyclohexane
Concen: 2.347 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD062356.D
Acq: 14 May 2019 19:42

Tgt Ion: 56 Resp: 16830
Ion Ratio Lower Upper
56 100
69 197.4 25.8 38.6#
84 79.7 72.2 108.4

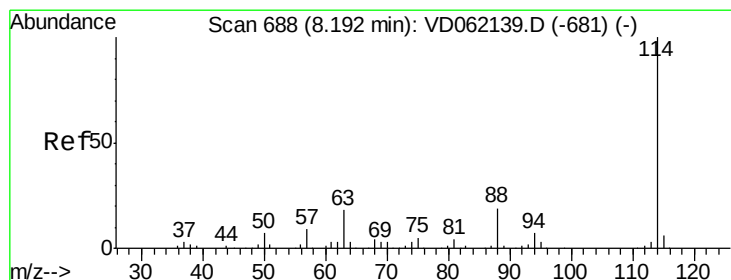
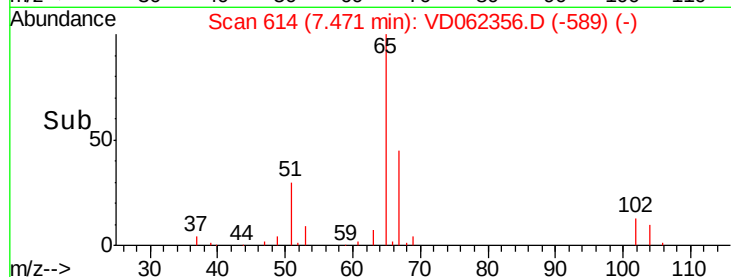
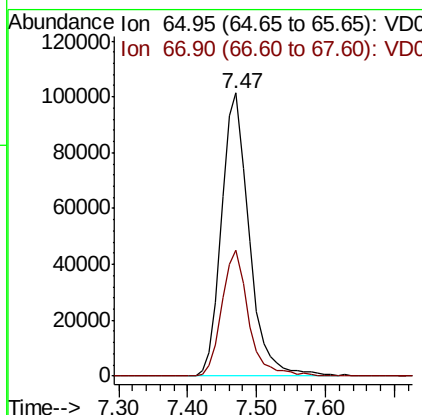
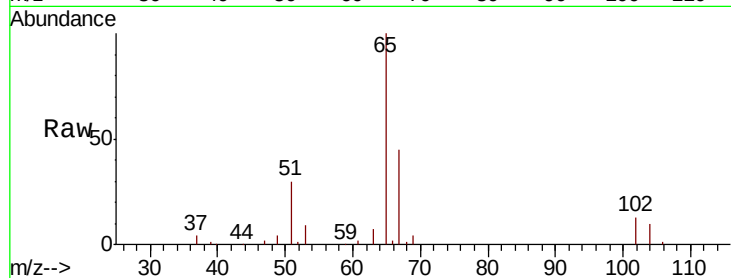




#33
 1,2-Dichloroethane-d4
 Concen: 41.255 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.05 min
 Lab File: VD062356.D
 Acq: 14 May 2019 19:42

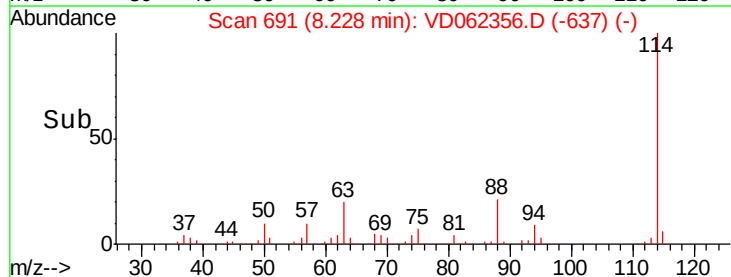
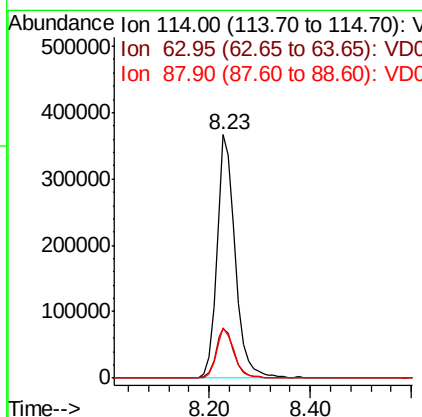
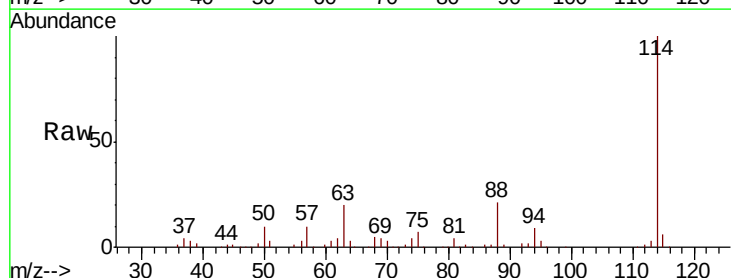
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS016-0002-01

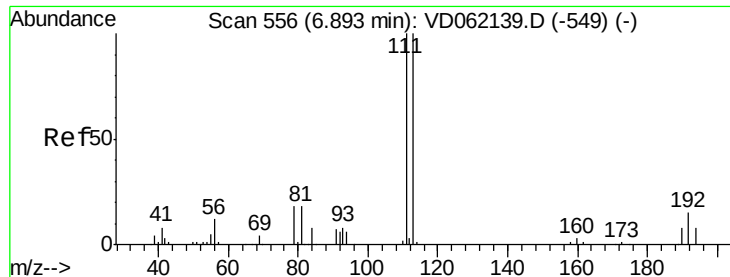
Tot Ion: 65 Resp: 282004
 Ion Ratio Lower Upper
 65 100
 67 44.7 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD062356.D
 Acq: 14 May 2019 19:42

Tgt Ion: 114 Resp: 931488
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 32.4
 88 20.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 42.561 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.05 min

Lab File: VD062356.D

Acq: 14 May 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

P026-SS016-0002-01

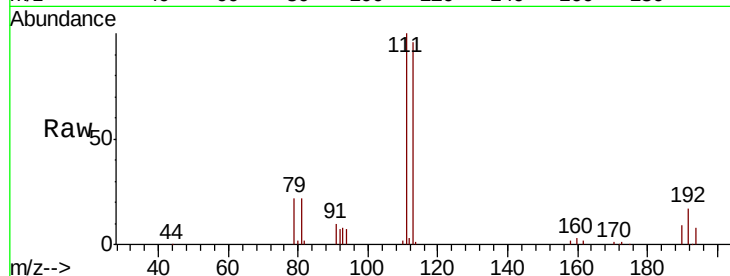
Tot Ion:113 Resp: 328938

Ion Ratio Lower Upper

113 100

111 104.2 78.5 117.7

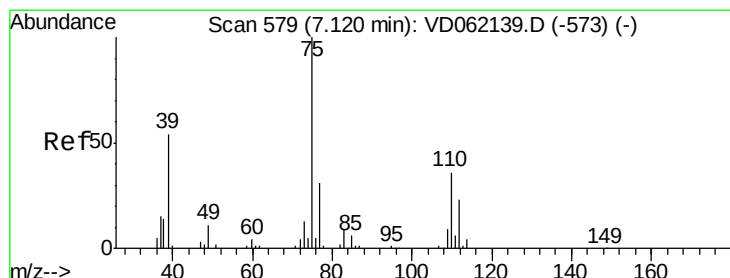
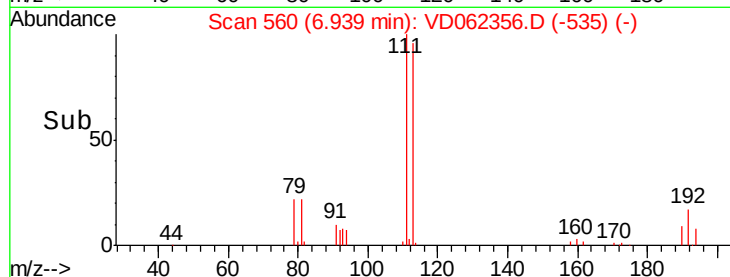
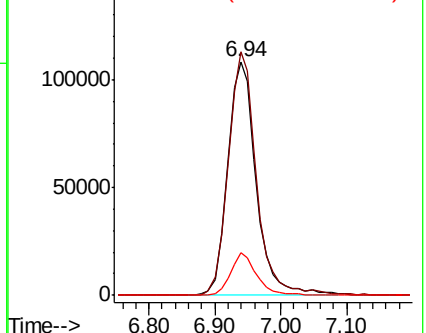
192 18.2 13.0 19.4



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: 8.187 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062356.D

Acq: 14 May 2019 19:42

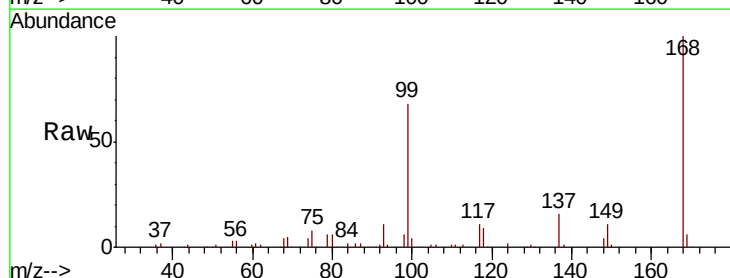
Tgt Ion: 75 Resp: 62524

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.1#

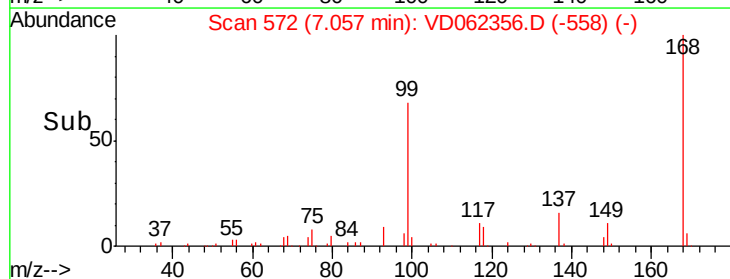
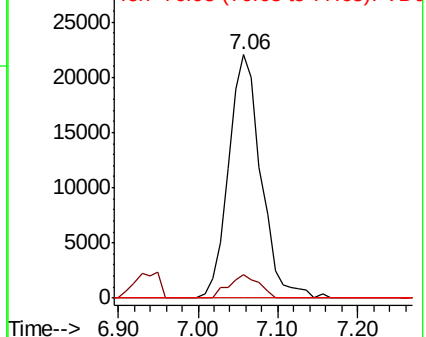
77 0.0 25.6 38.4#

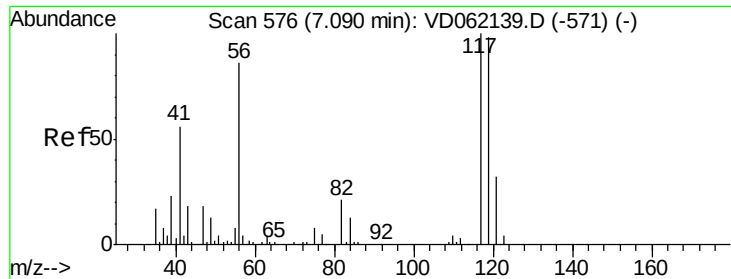


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

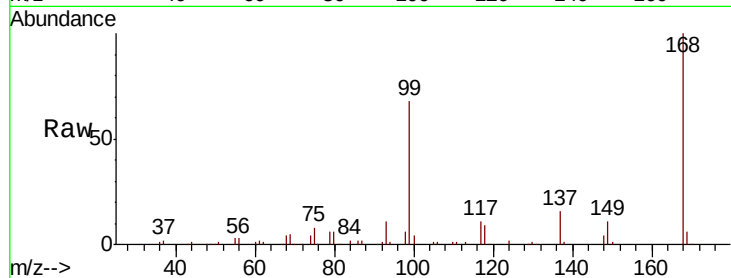




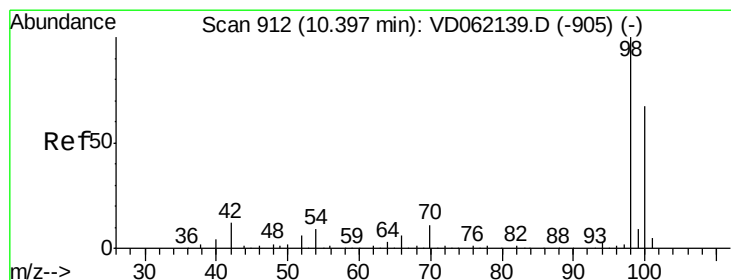
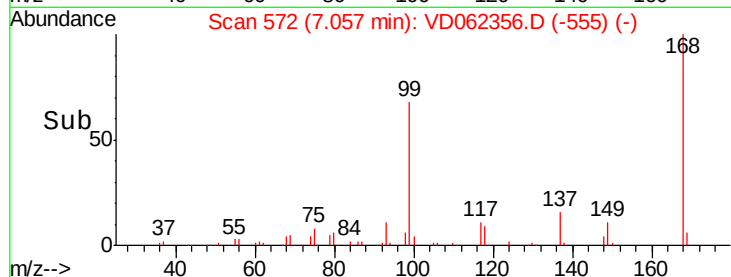
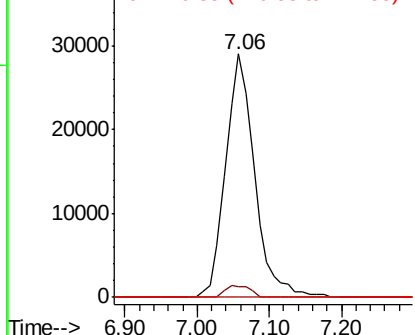
#38
Carbon Tetrachloride
Concen: 7.678 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD062356.D
Acq: 14 May 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
P026-SS016-0002-01

Tot Ion:117 Resp: 81159
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 25.9 38.9#

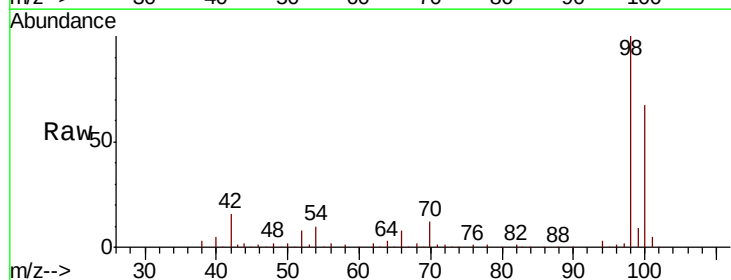


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

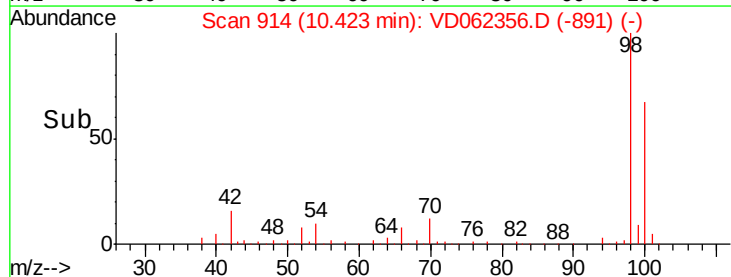
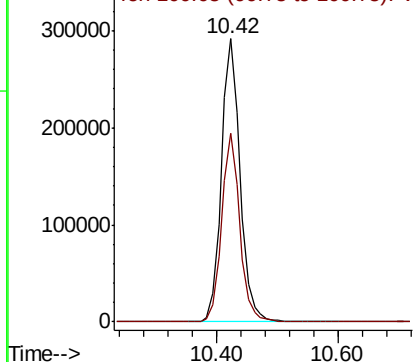


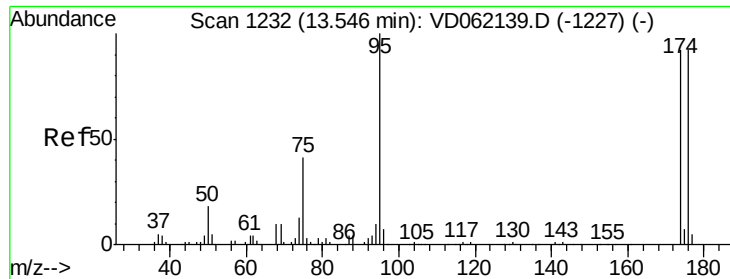
#50
Toluene-d8
Concen: 33.429 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD062356.D
Acq: 14 May 2019 19:42

Tgt Ion: 98 Resp: 622924
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.8



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





#62

4-Bromofluorobenzene

Concen: 33.158 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062356.D

Acq: 14 May 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

P026-SS016-0002-01

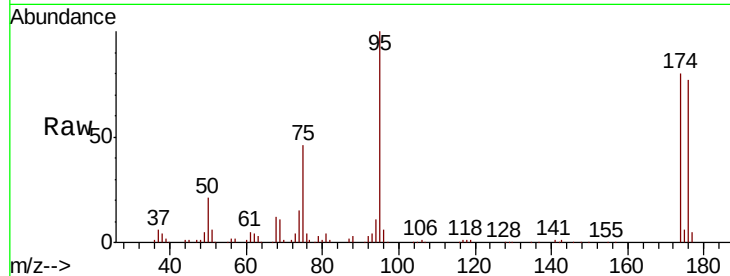
Tot Ion: 95 Resp: 248119

Ion Ratio Lower Upper

95 100

174 79.7 0.0 181.8

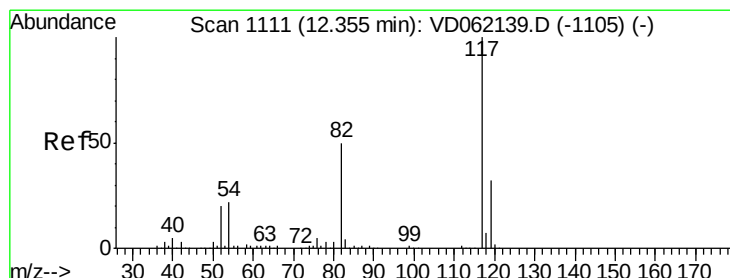
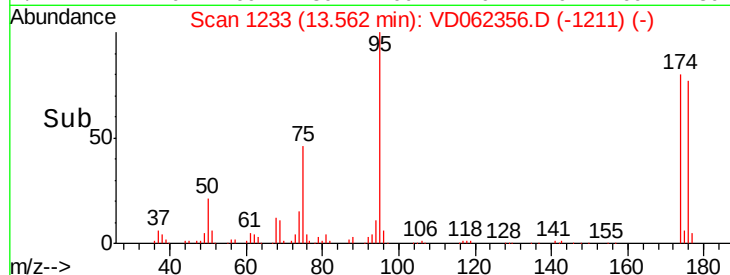
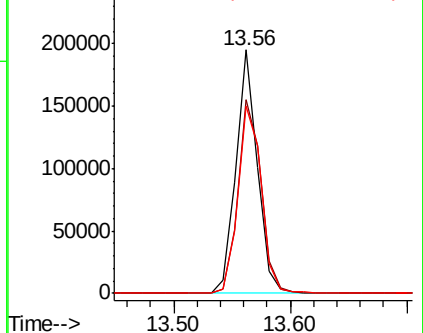
176 77.1 0.0 174.4



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. 0.03 min

Lab File: VD062356.D

Acq: 14 May 2019 19:42

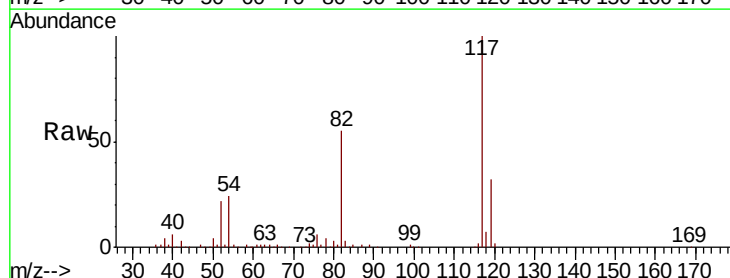
Tgt Ion: 117 Resp: 726337

Ion Ratio Lower Upper

117 100

82 55.4 36.2 54.2#

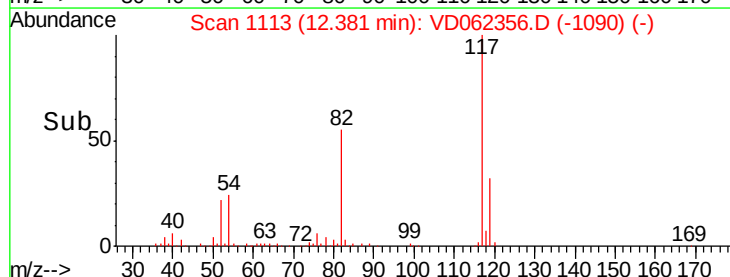
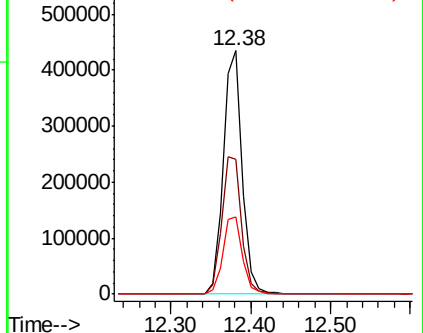
119 31.9 26.2 39.4

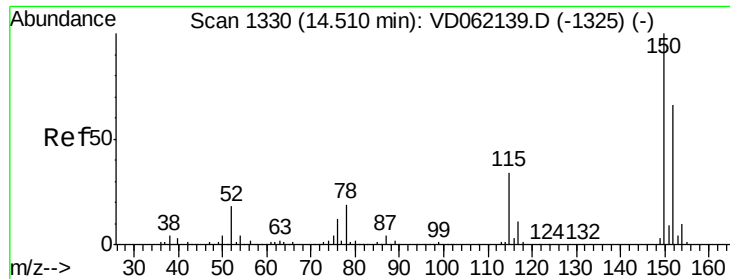


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062356.D

Acq: 14 May 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

P026-SS016-0002-01

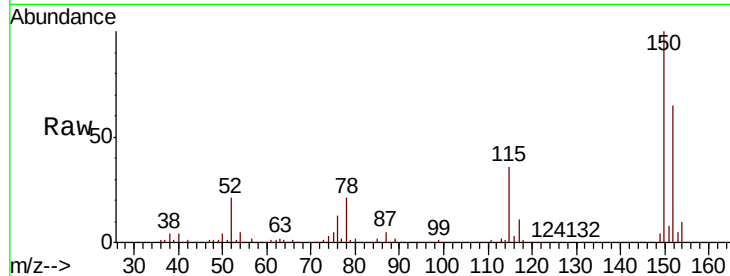
Tot Ion:152 Resp: 324020

Ion Ratio Lower Upper

152 100

115 55.5 30.9 92.7

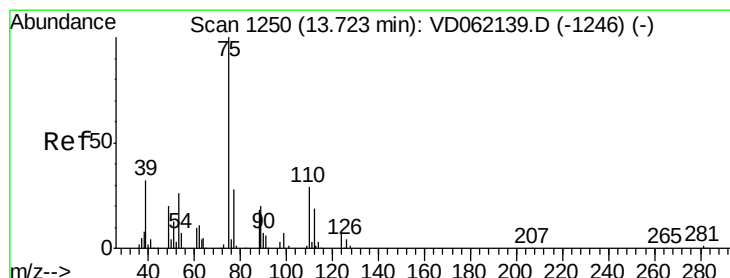
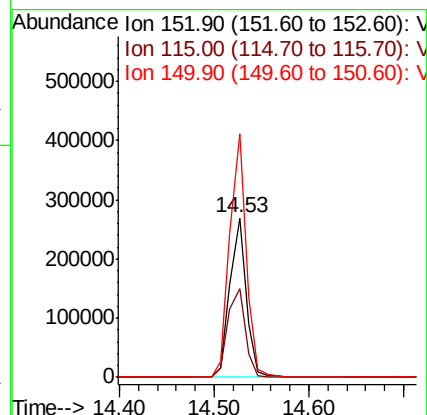
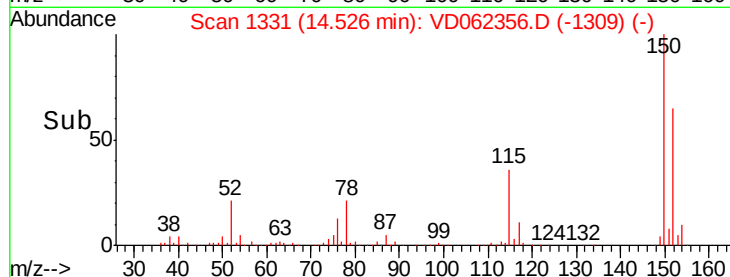
150 152.8 0.0 314.8



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: 28.048 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062356.D

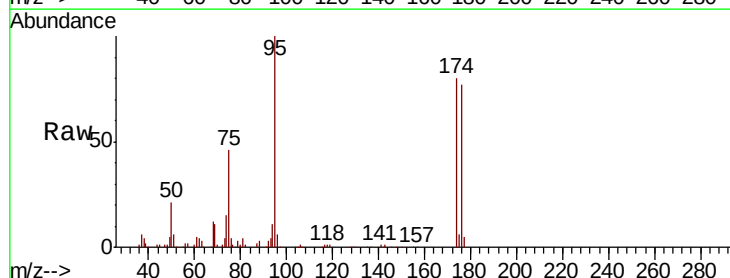
Acq: 14 May 2019 19:42

Tgt Ion: 75 Resp: 108005

Ion Ratio Lower Upper

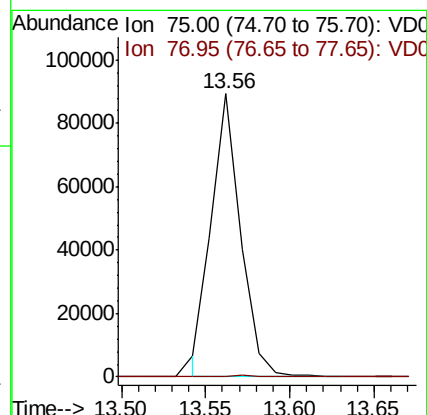
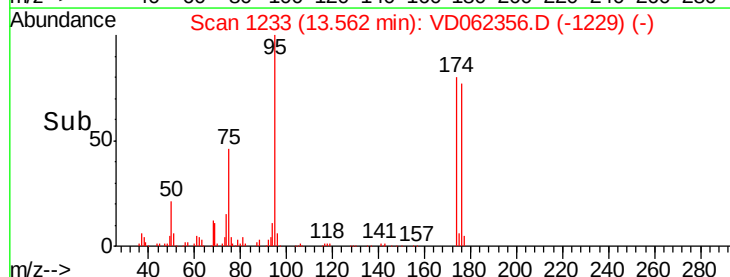
75 100

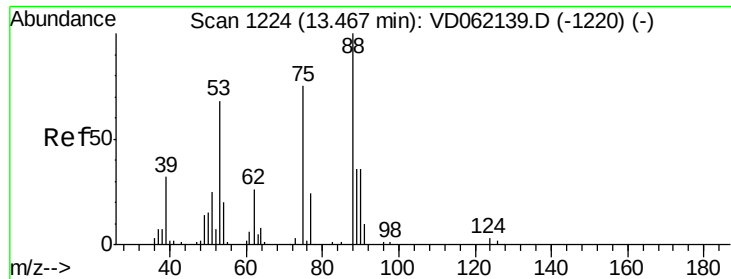
77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 103.059 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD062356.D

Acq: 14 May 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

P026-SS016-0002-01

Tot Ion: 75 Resp: 112033

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

