

Data File : VD062335.D
Acq On : 14 May 2019 6:40
Operator : FY/SY
Sample : K2735-13
Misc : 3.60g/5mL/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P026-SS017-0002-01

Quant Time: May 14 08:20:48 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	431227	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	538537	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	240559	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	68611	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	193579	48.30	ug/l	0.05
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	6.94	113	212762	47.62	ug/l	0.05
Spiked Amount	50.000		Recovery	=	95.24%	
50) Toluene-d8	10.43	98	188573	17.50	ug/l	0.03
Spiked Amount	50.000		Recovery	=	35.00%	
62) 4-Bromofluorobenzene	13.57	95	93874	21.70	ug/l	0.02
Spiked Amount	50.000		Recovery	=	43.40%	

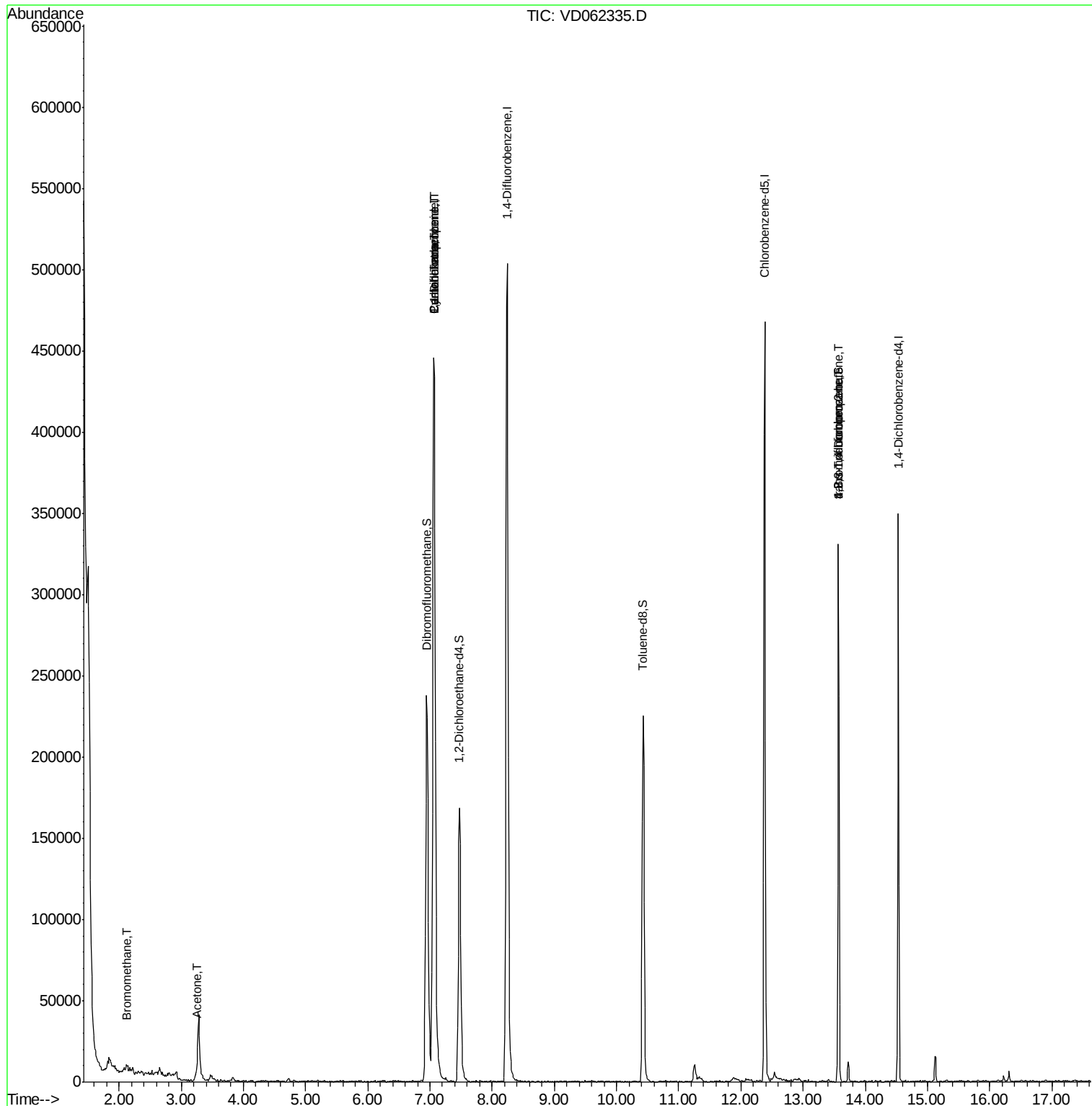
Target Compounds			Qvalue			
5) Bromomethane	2.12	94	1211	1.765	ug/l #	12
16) Acetone	3.24	43	11650	13.862	ug/l #	73
31) Cyclohexane	7.06	56	9177	2.183	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	36247	8.209	ug/l #	45
38) Carbon Tetrachloride	7.06	117	45254	7.405	ug/l #	16
76) 1,2,3-Trichloropropane	13.57	75	40693	49.906	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	41607	180.752	ug/l #	16

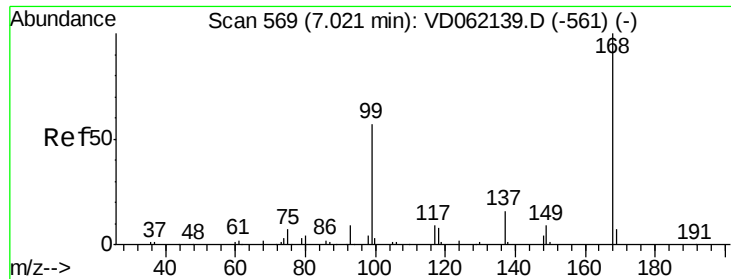
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VD062335.D
Acq On : 14 May 2019 6:40
Operator : FY/SY
Sample : K2735-13
Misc : 3.60g/5mL/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P026-SS017-0002-01

Quant Time: May 14 08:20:48 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062335.D

Acq: 14 May 2019 6:40

Instrument :

MSVOA_D

ClientSampleId :

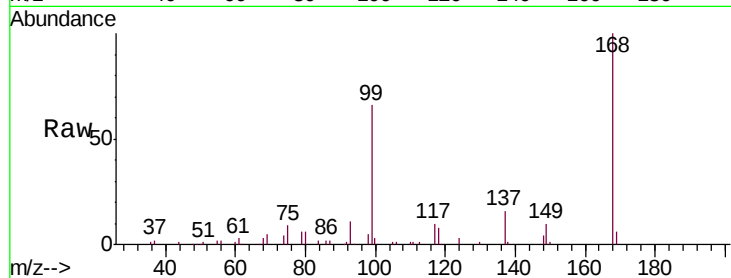
P026-SS017-0002-01

Tgt Ion:168 Resp: 431227

Ion Ratio Lower Upper

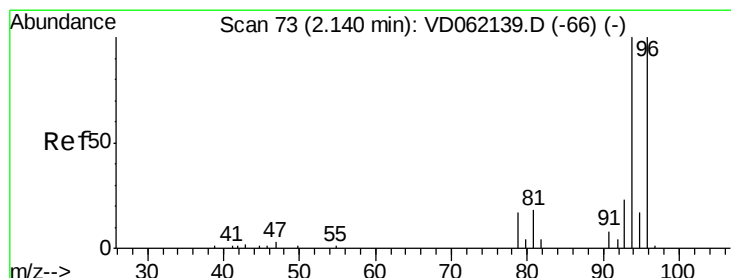
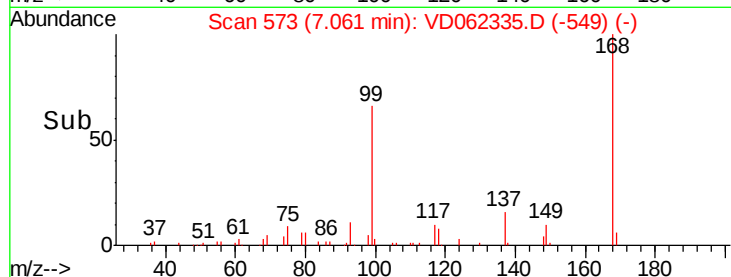
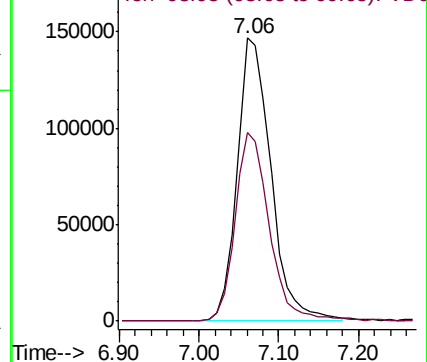
168 100

99 66.4 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: 1.765 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD062335.D

Acq: 14 May 2019 6:40

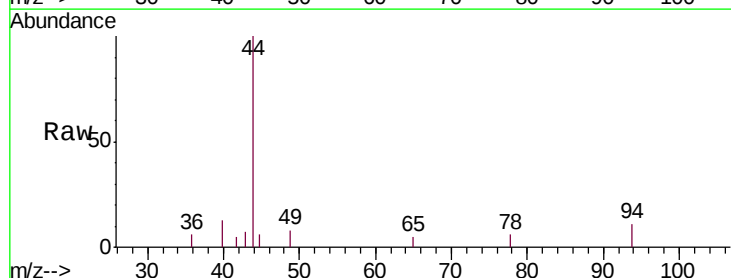
Tgt Ion: 94 Resp: 1211

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

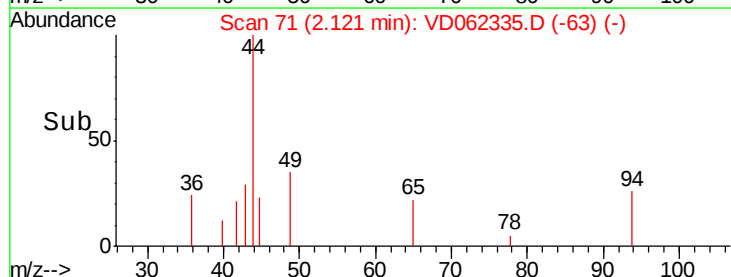
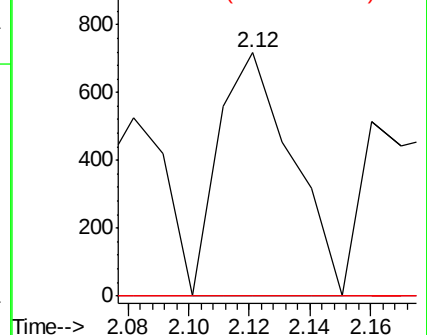
93 0.0 18.5 27.7#

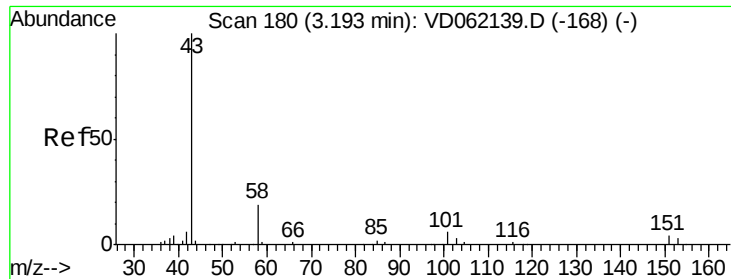


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 13.862 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062335.D

Acq: 14 May 2019 6:40

Instrument :

MSVOA_D

ClientSampleId :

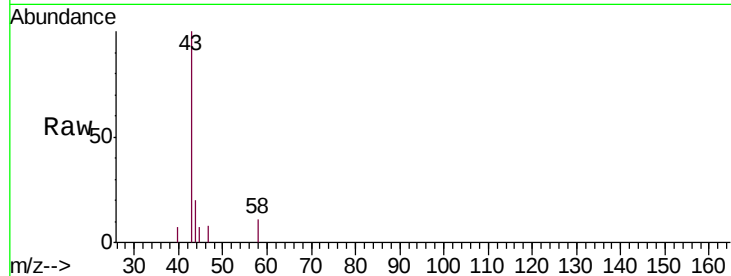
P026-SS017-0002-01

Tgt Ion: 43 Resp: 11650

Ion Ratio Lower Upper

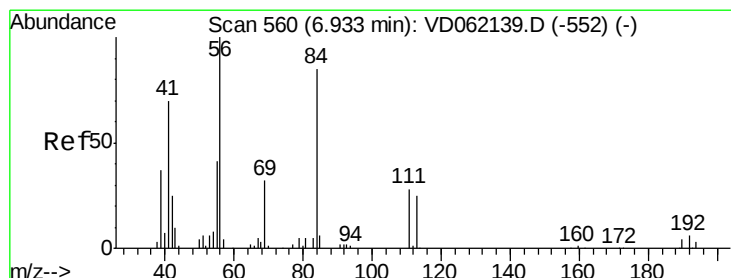
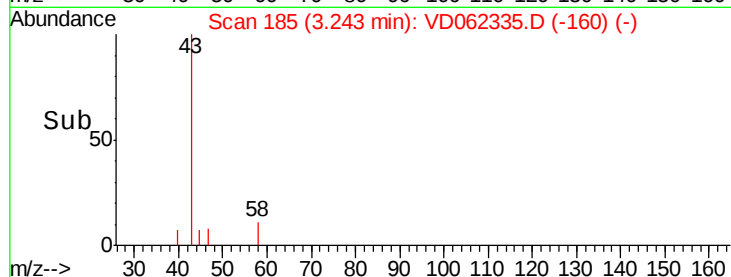
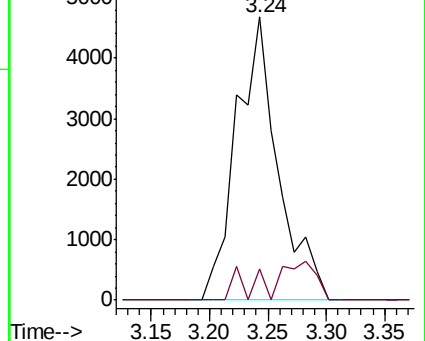
43 100

58 11.2 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: 2.183 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062335.D

Acq: 14 May 2019 6:40

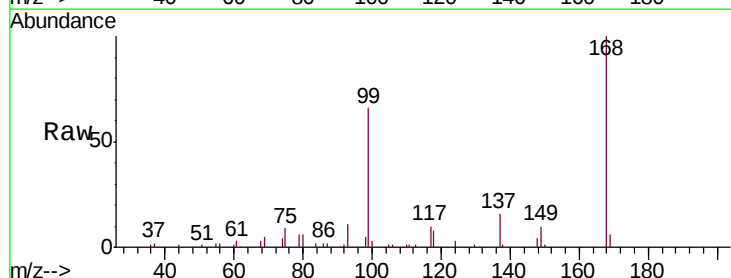
Tgt Ion: 56 Resp: 9177

Ion Ratio Lower Upper

56 100

69 218.1 25.8 38.6#

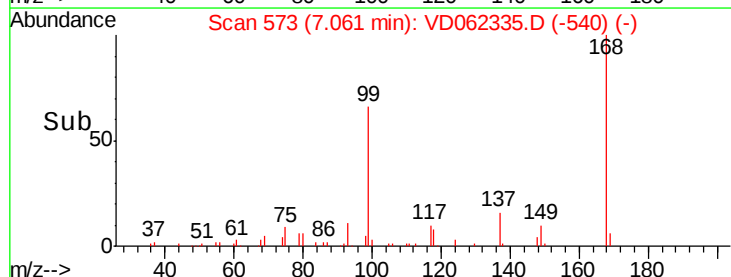
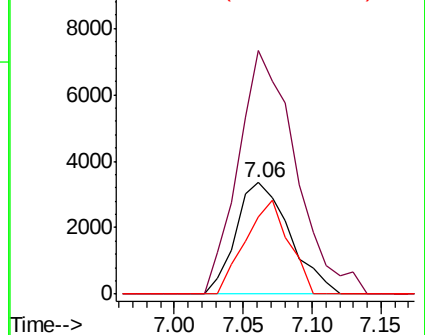
84 68.8 72.2 108.4#

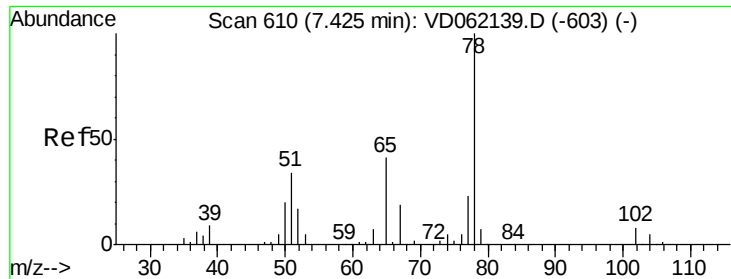


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.305 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062335.D

Acq: 14 May 2019 6:40

Instrument :

MSVOA_D

ClientSampleId :

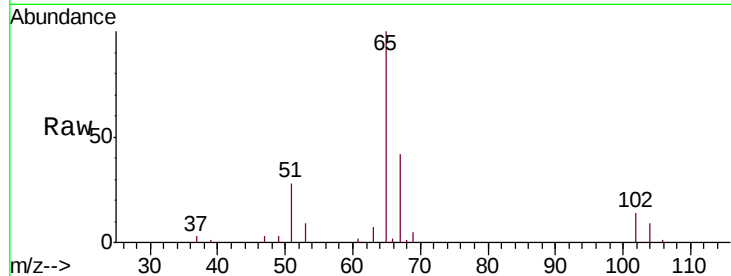
P026-SS017-0002-01

Tgt Ion: 65 Resp: 193579

Ion Ratio Lower Upper

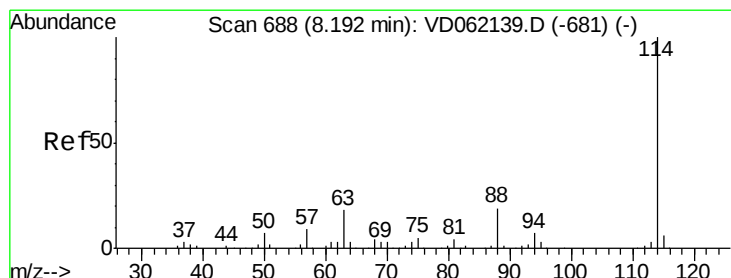
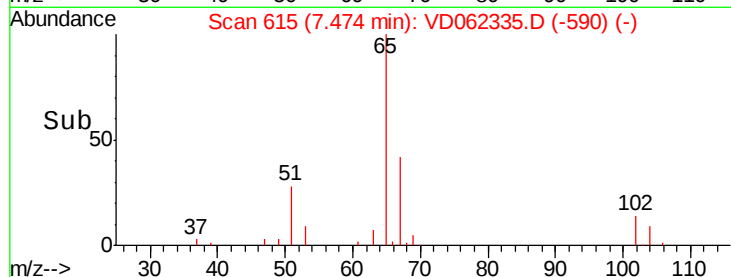
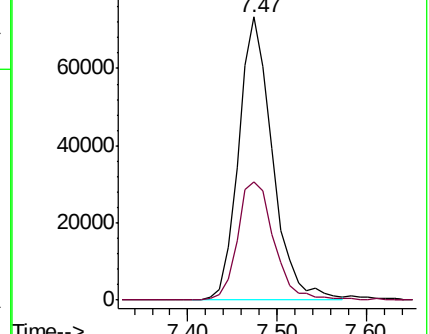
65 100

67 41.6 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# 693

Delta R.T. 0.05 min

Lab File: VD062335.D

Acq: 14 May 2019 6:40

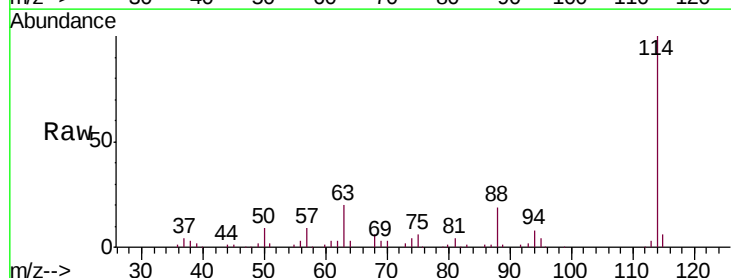
Tgt Ion: 114 Resp: 538537

Ion Ratio Lower Upper

114 100

63 19.6 0.0 32.4

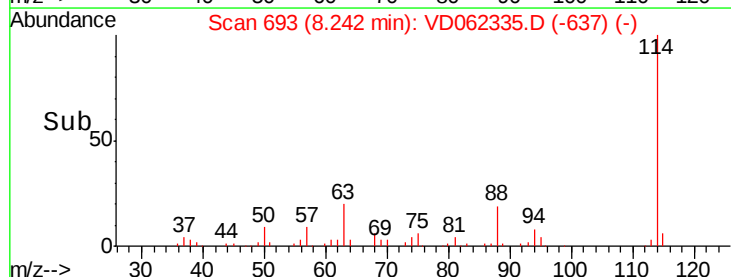
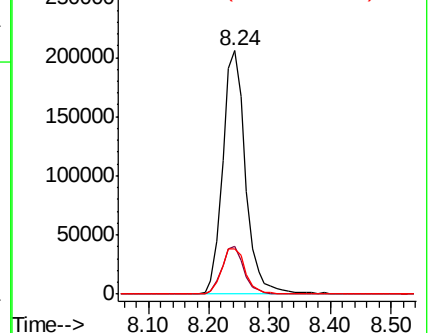
88 18.6 0.0 33.6

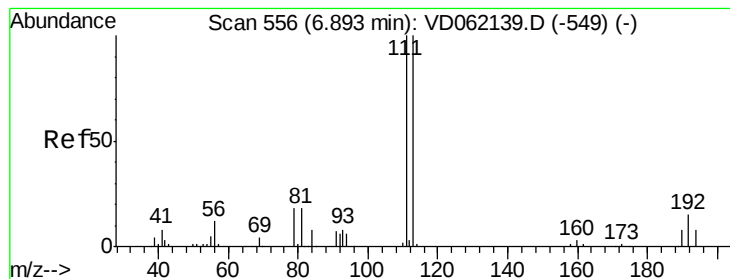


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 47.616 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062335.D

Acq: 14 May 2019 6:40

Instrument :

MSVOA_D

ClientSampleId :

P026-SS017-0002-01

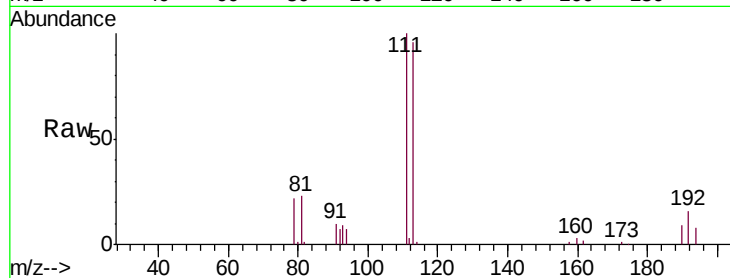
Tgt Ion:113 Resp: 212762

Ion Ratio Lower Upper

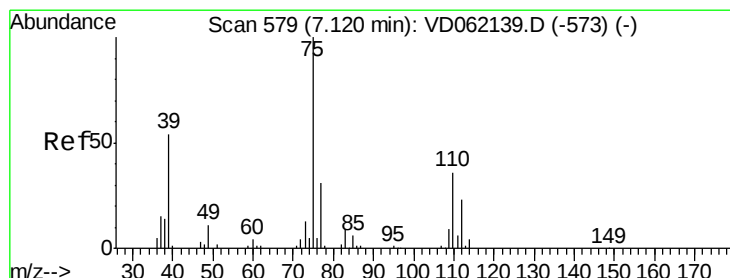
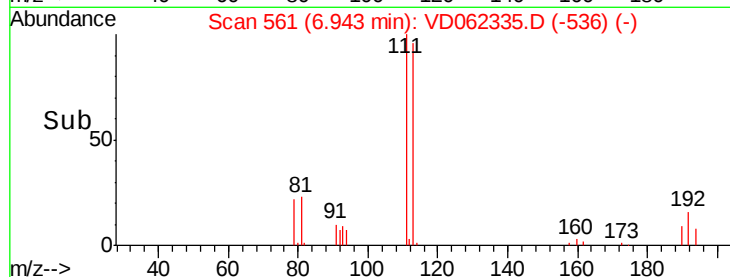
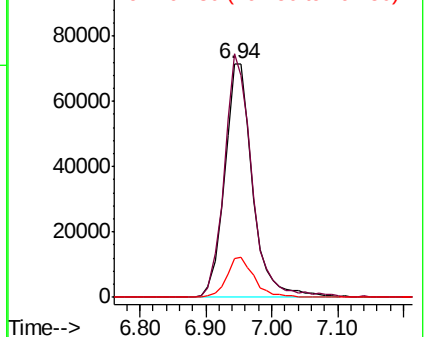
113 100

111 104.1 78.5 117.7

192 16.8 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: 8.209 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062335.D

Acq: 14 May 2019 6:40

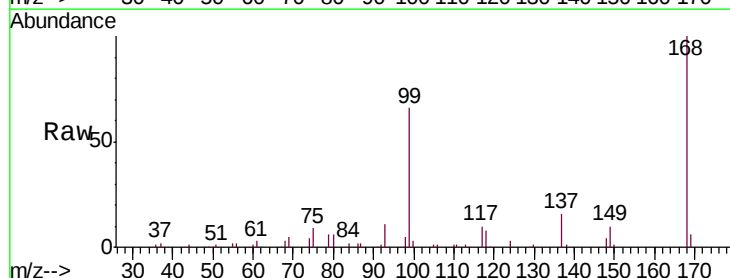
Tgt Ion: 75 Resp: 36247

Ion Ratio Lower Upper

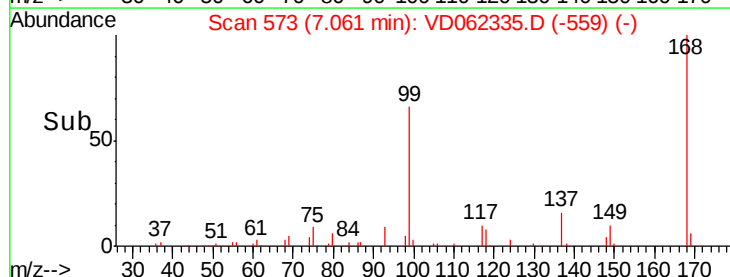
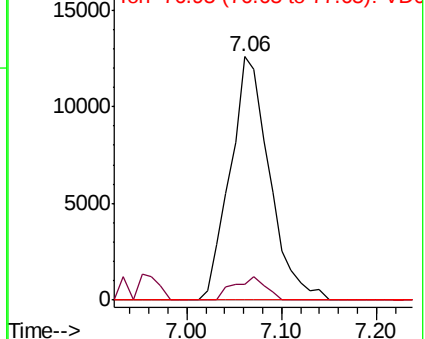
75 100

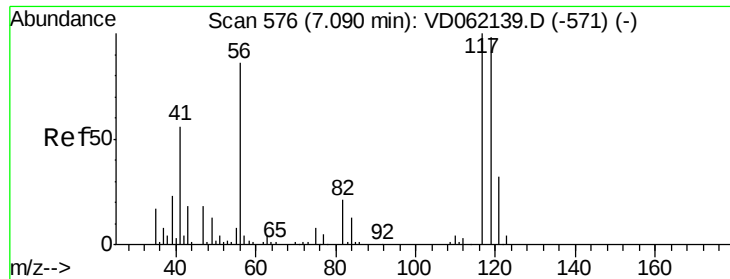
110 6.6 19.1 57.1#

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

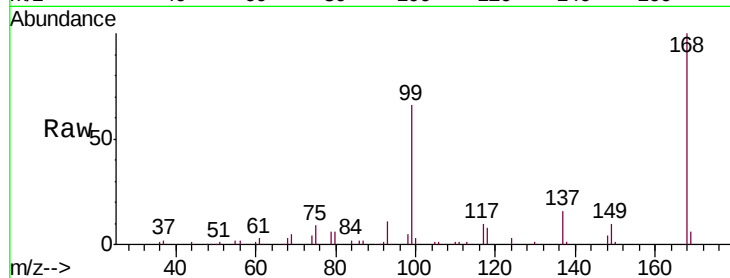




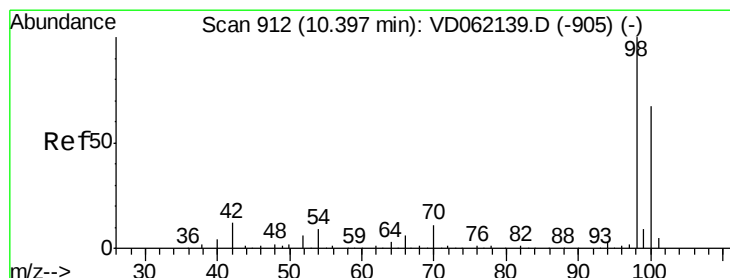
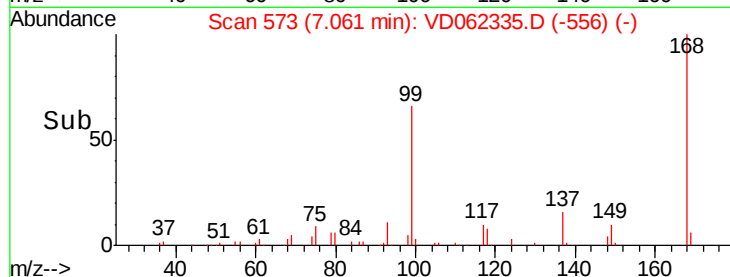
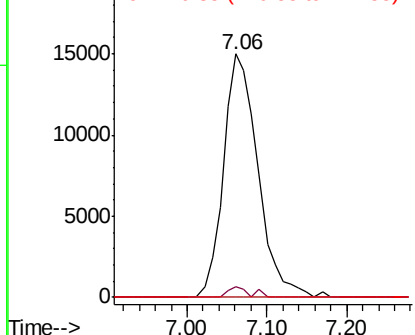
#38
Carbon Tetrachloride
Concen: 7.405 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062335.D
Acq: 14 May 2019 6:40

Instrument :
MSVOA_D
ClientSampleId :
P026-SS017-0002-01

Tgt Ion:117 Resp: 45254
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 25.9 38.9#

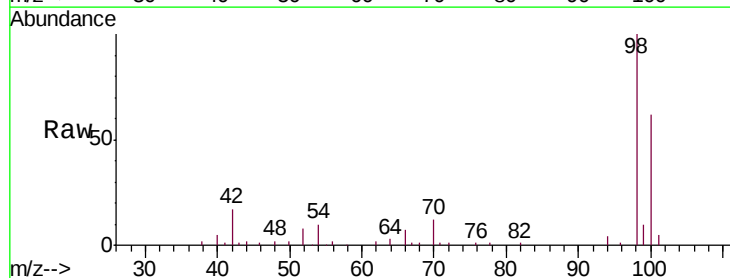


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

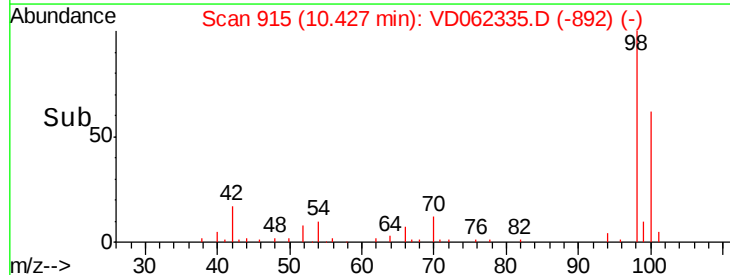
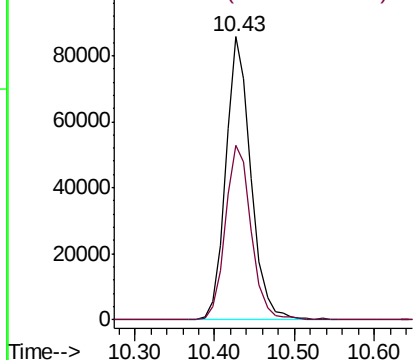


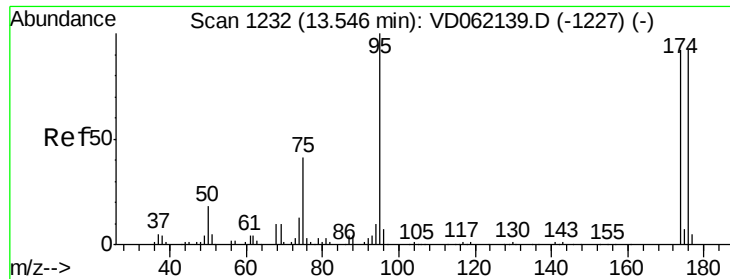
#50
Toluene-d8
Concen: 17.504 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062335.D
Acq: 14 May 2019 6:40

Tgt Ion: 98 Resp: 188573
Ion Ratio Lower Upper
98 100
100 61.5 53.8 80.8



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

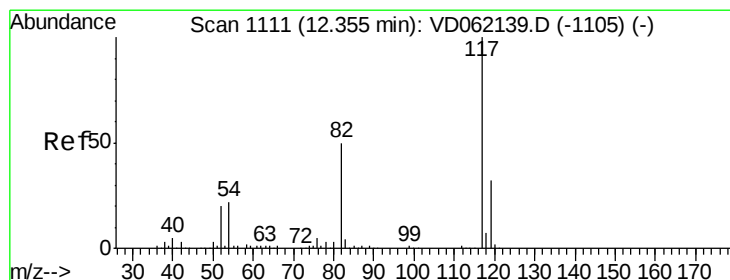
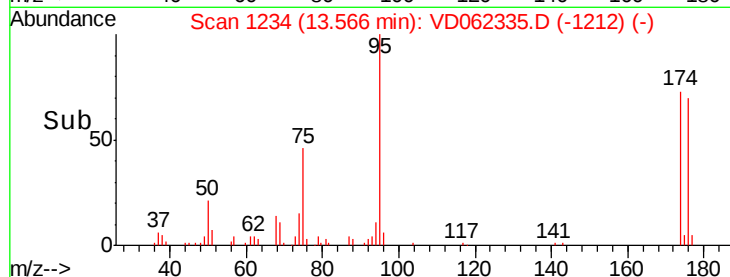
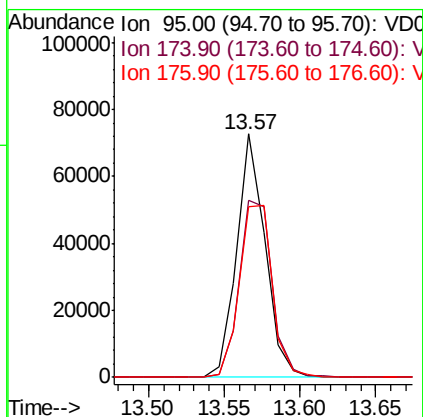
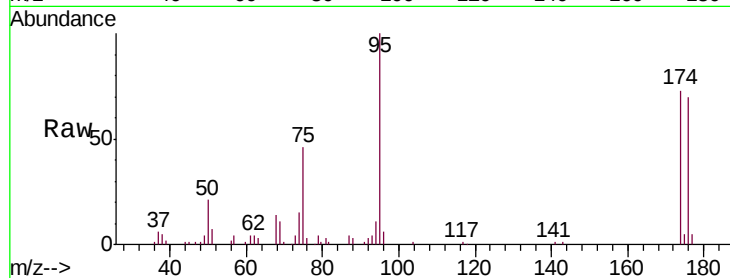




#62
 4-Bromofluorobenzene
 Concen: 21.699 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062335.D
 Acq: 14 May 2019 6:40

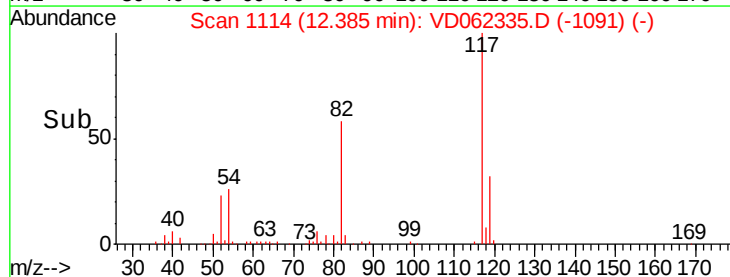
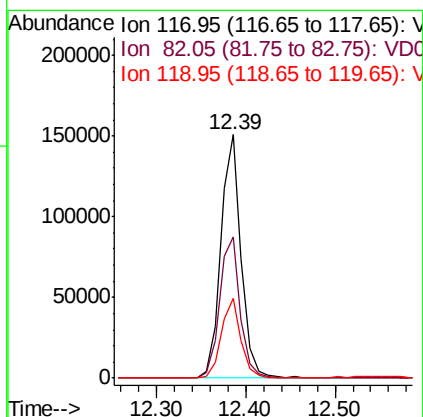
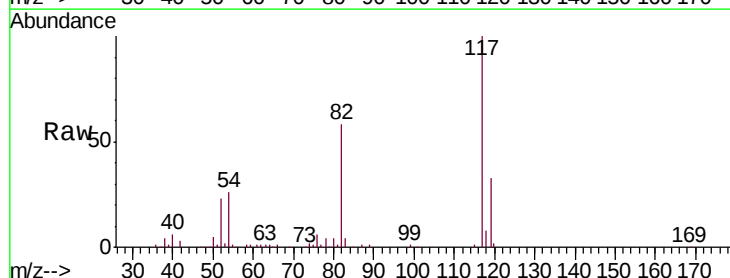
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS017-0002-01

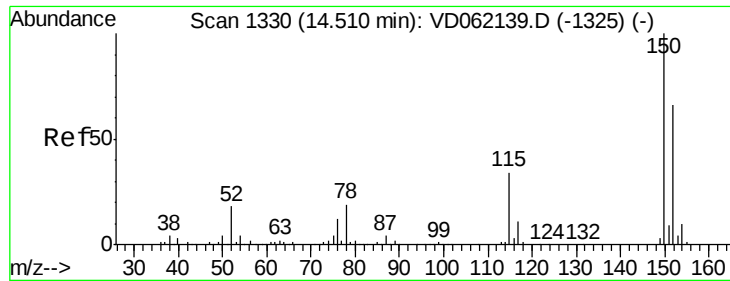
Tgt Ion: 95 Resp: 93874
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 181.8
 176 70.2 0.0 174.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.39 min Scan# 1114
 Delta R.T. 0.03 min
 Lab File: VD062335.D
 Acq: 14 May 2019 6:40

Tgt Ion: 117 Resp: 240559
 Ion Ratio Lower Upper
 117 100
 82 58.0 36.2 54.2#
 119 32.7 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062335.D

Acq: 14 May 2019 6:40

Instrument :

MSVOA_D

ClientSampleId :

P026-SS017-0002-01

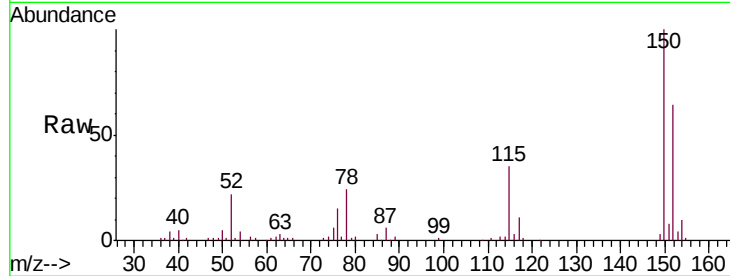
Tgt Ion:152 Resp: 68611

Ion Ratio Lower Upper

152 100

115 54.8 30.9 92.7

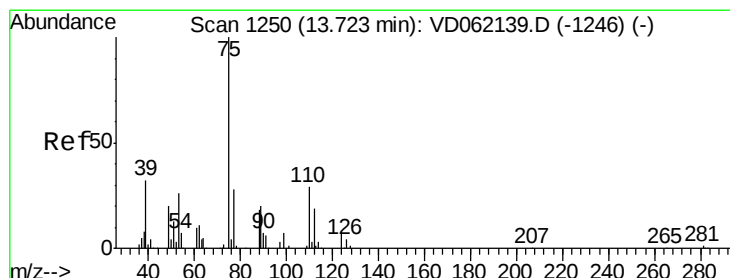
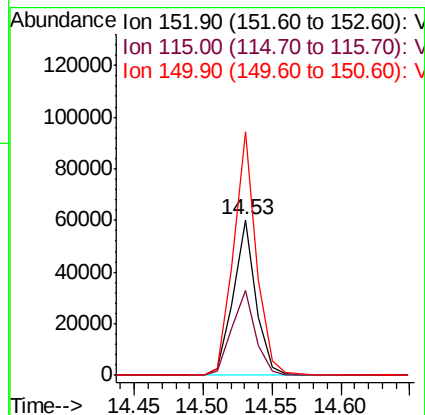
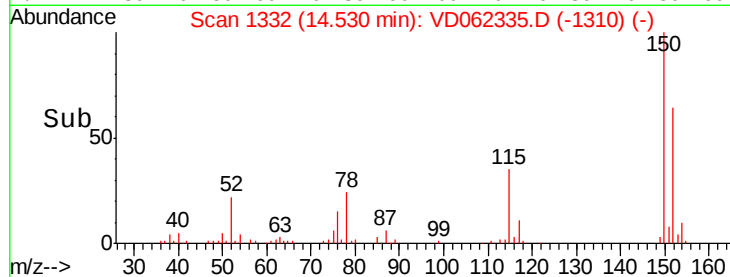
150 156.3 0.0 314.8



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: 49.906 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062335.D

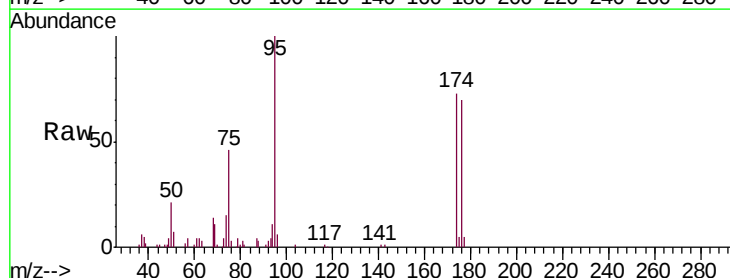
Acq: 14 May 2019 6:40

Tgt Ion: 75 Resp: 40693

Ion Ratio Lower Upper

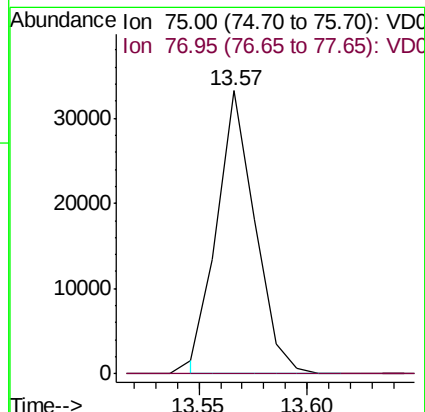
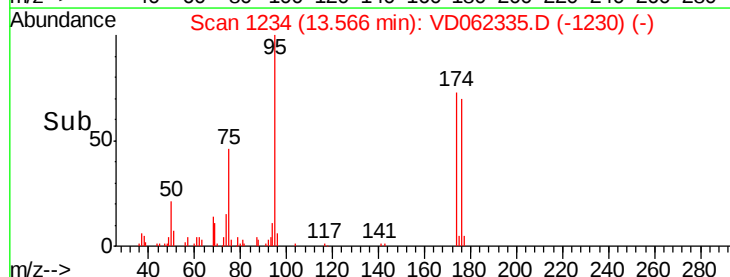
75 100

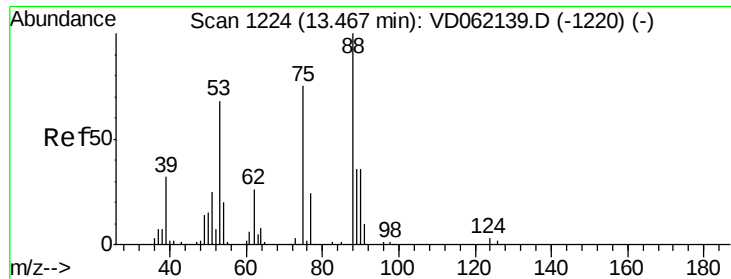
77 0.0 16.4 49.4#



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: 180.752 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062335.D

Acq: 14 May 2019 6:40

Instrument :

MSVOA_D

ClientSampleId :

P026-SS017-0002-01

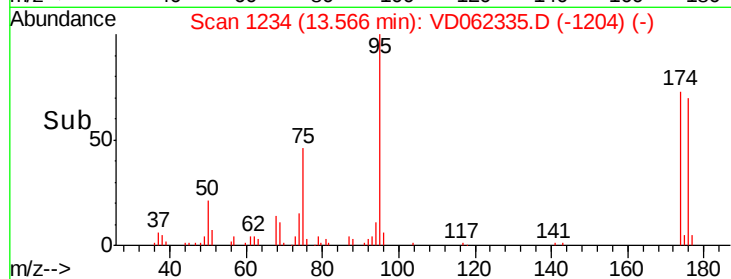
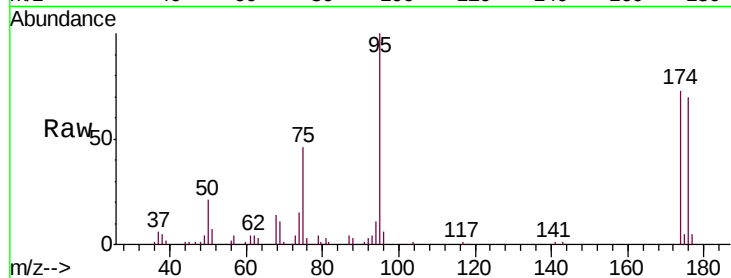
Tgt Ion: 75 Resp: 41607

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

