

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062279.D
 Acq On : 13 May 2019 1:54
 Operator : FY/SY
 Sample : K2719-08RE
 Misc : 2.86g/5mL/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS009-0002-01RE

Quant Time: May 13 03:17:37 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	691282	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	931678	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	622137	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	256537	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	270517	42.11	ug/l	0.04
Spiked Amount			Recovery	=	84.22%	
35) Dibromofluoromethane	6.94	113	342247	44.27	ug/l	0.05
Spiked Amount			Recovery	=	88.54%	
50) Toluene-d8	10.42	98	583077	31.28	ug/l	0.02
Spiked Amount			Recovery	=	62.56%	
62) 4-Bromofluorobenzene	13.56	95	240589	32.15	ug/l	0.01
Spiked Amount			Recovery	=	64.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1774	1.613	ug/l #	12
16) Acetone	3.23	43	5781	4.291	ug/l #	50
20) Methylene Chloride	3.83	84	15220	2.706	ug/l #	91
31) Cyclohexane	7.06	56	14720	2.184	ug/l #	3
36) 1,1-Dichloropropene	7.06	75	54885	7.185	ug/l #	49
38) Carbon Tetrachloride	7.06	117	70944	6.710	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	3488	1.181	ug/l #	1
59) 2-Hexanone	11.48	43	2483	1.141	ug/l #	27
76) 1,2,3-Trichloropropane	13.56	75	90365	29.640	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	103327	120.053	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062279.D

Acq: 13 May 2019 1:54

Instrument :

MSVOA_D

ClientSampleId :

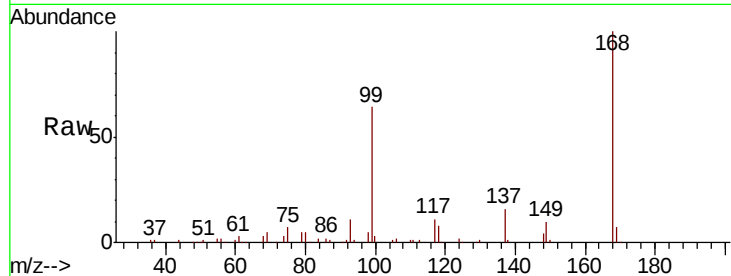
P026-SS009-0002-01RE

Tot Ion:168 Resp: 691282

Ion Ratio Lower Upper

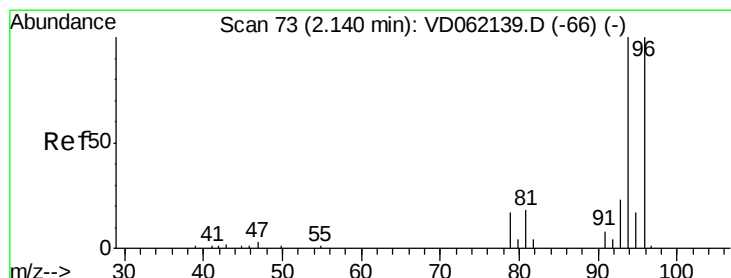
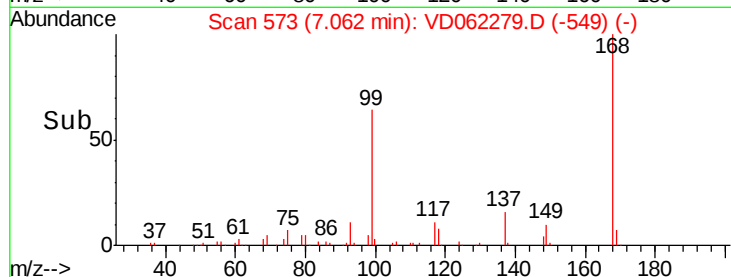
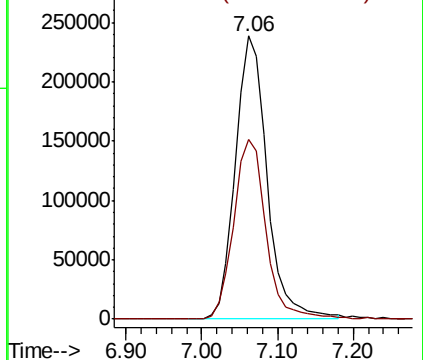
168 100

99 63.7 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: 1.613 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD062279.D

Acq: 13 May 2019 1:54

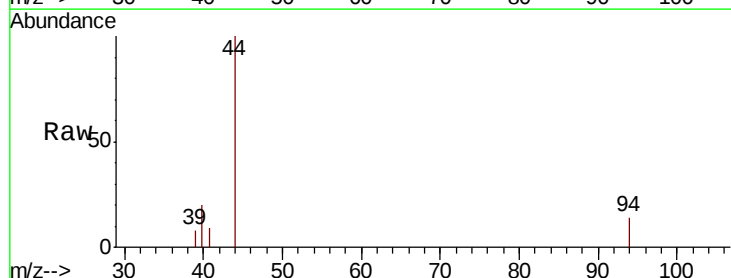
Tgt Ion: 94 Resp: 1774

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

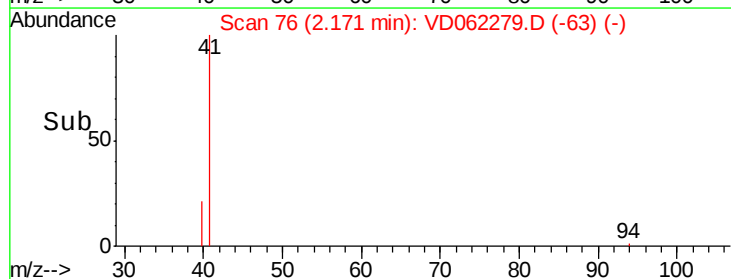
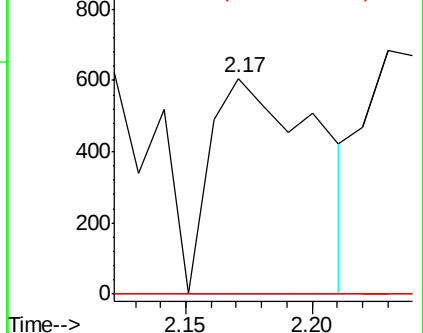
93 0.0 18.5 27.7#



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

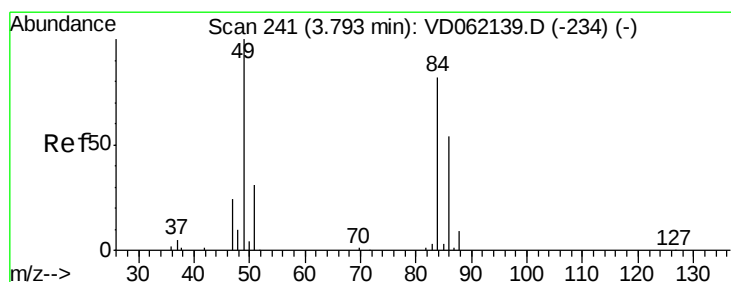
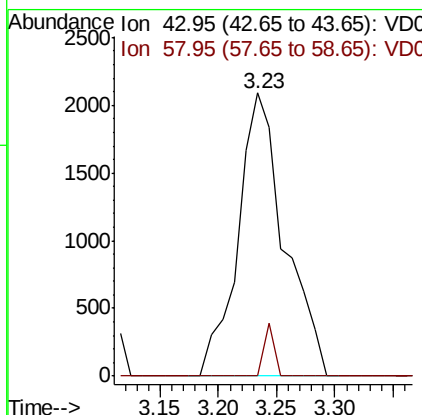
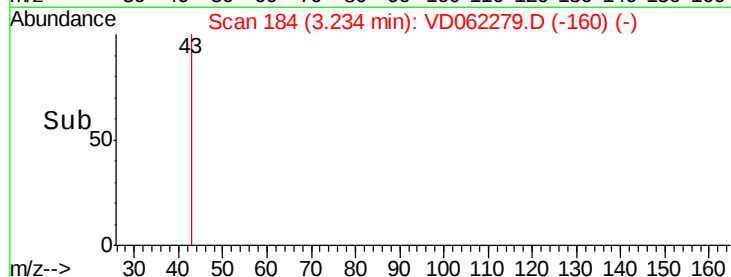
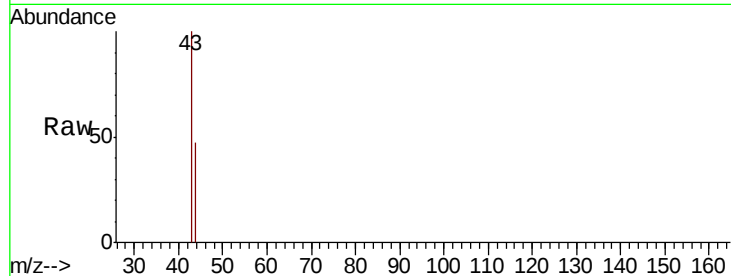




#16
Acetone
Concen: 4.291 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD062279.D
Acq: 13 May 2019 1:54

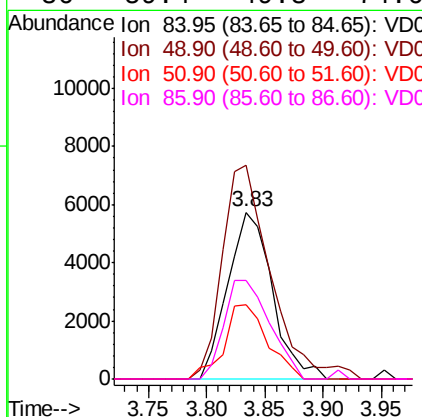
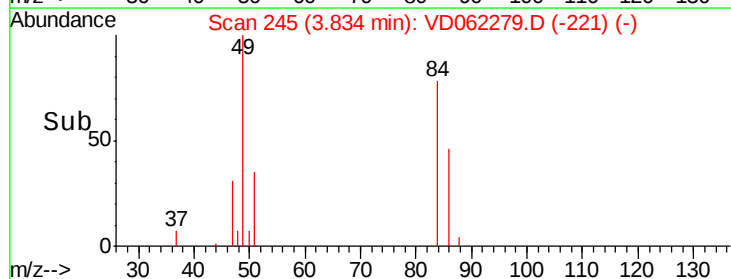
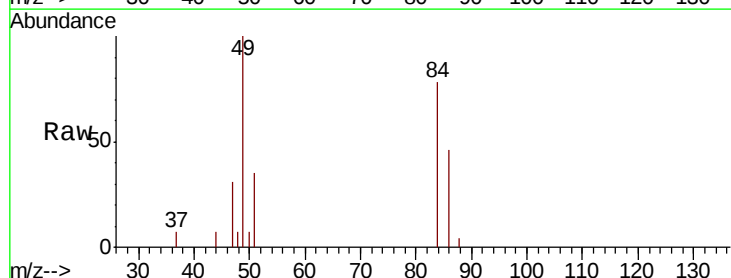
Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-0002-01RE

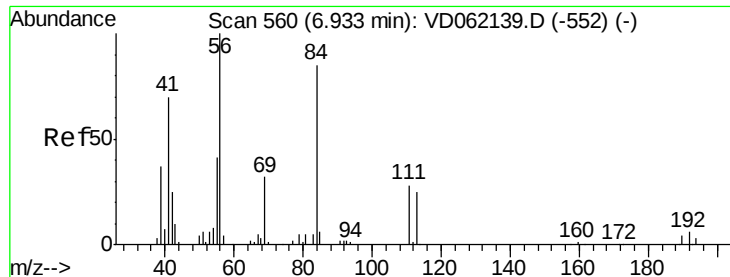
Tot Ion: 43 Resp: 5781
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



#20
Methylene Chloride
Concen: 2.706 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062279.D
Acq: 13 May 2019 1:54

Tgt Ion: 84 Resp: 15220
Ion Ratio Lower Upper
84 100
49 128.0 94.0 141.0
51 44.5 29.0 43.4#
86 59.4 49.8 74.6

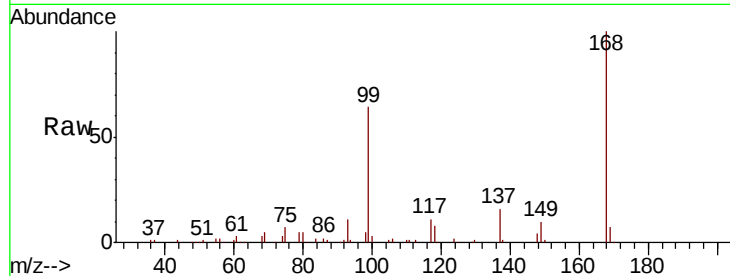




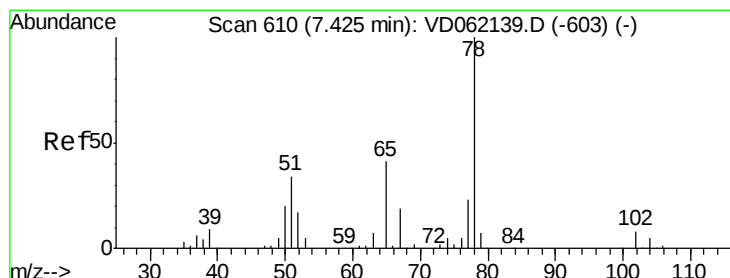
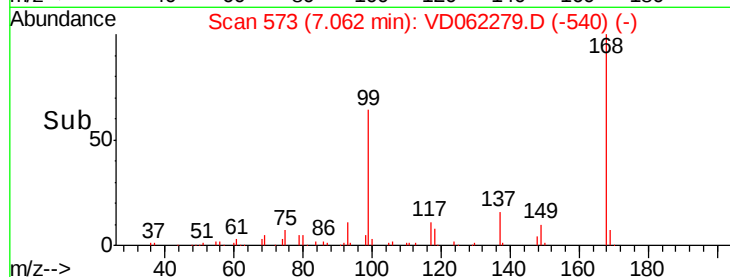
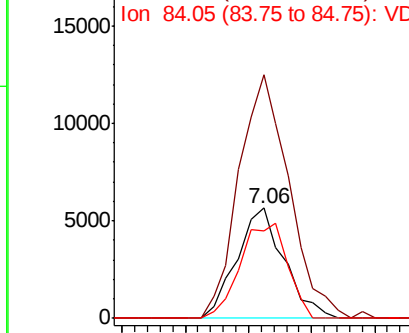
#31
Cyclohexane
Concen: 2.184 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062279.D
Acq: 13 May 2019 1:54

Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-0002-01RE

Tot Ion: 56 Resp: 14720
Ion Ratio Lower Upper
56 100
69 220.8 25.8 38.6#
84 79.6 72.2 108.4

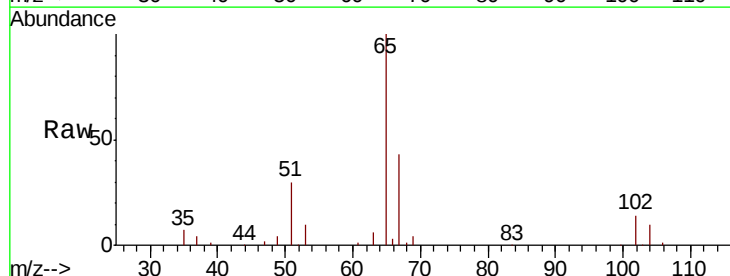


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

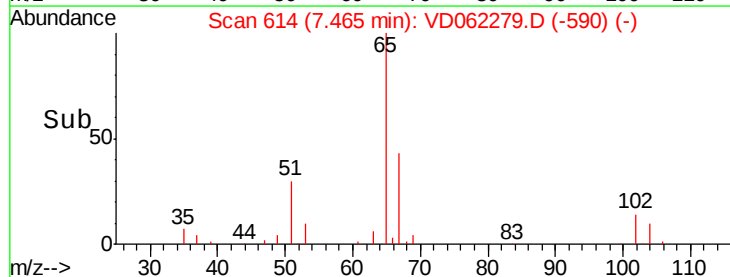
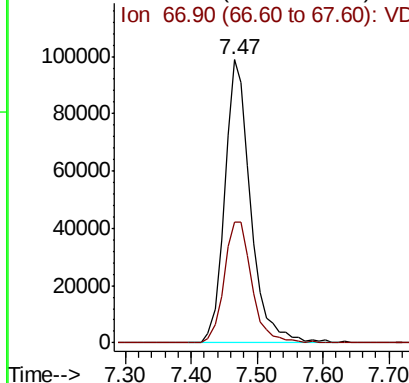


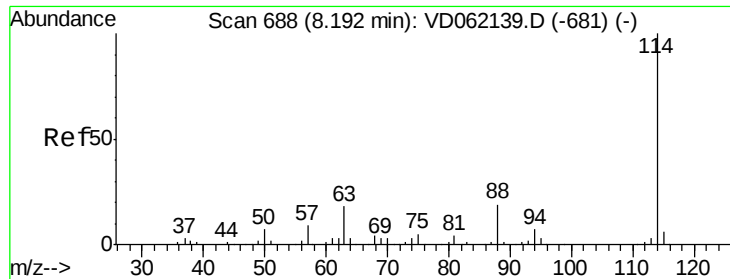
#33
1,2-Dichloroethane-d4
Concen: 42.109 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062279.D
Acq: 13 May 2019 1:54

Tgt Ion: 65 Resp: 270517
Ion Ratio Lower Upper
65 100
67 42.8 0.0 98.0



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

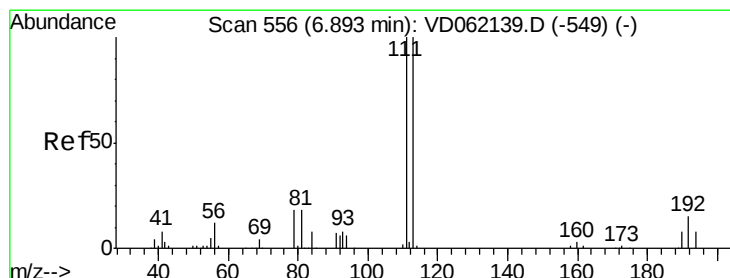
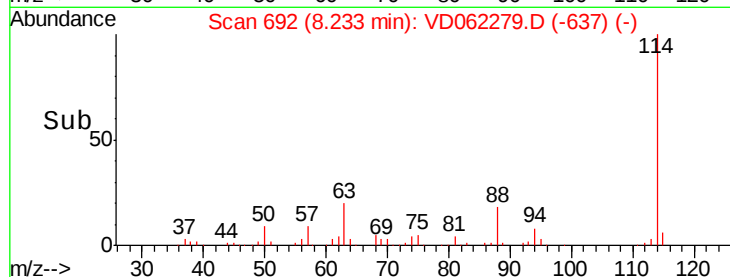
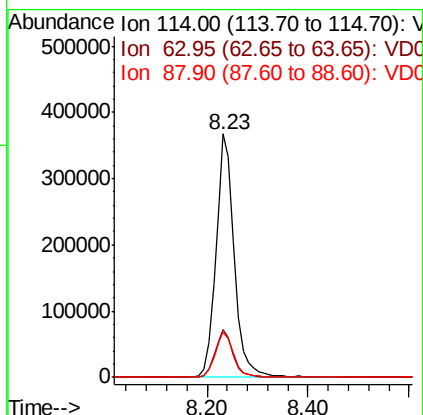
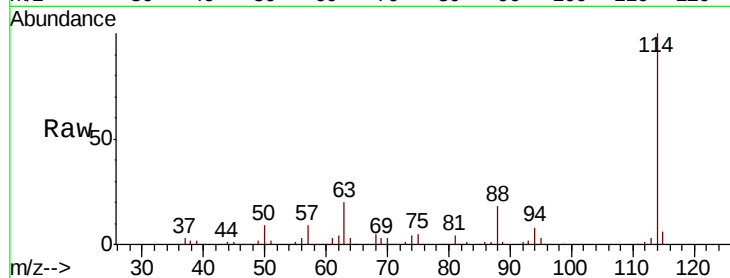




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062279.D
 Acq: 13 May 2019 1:54

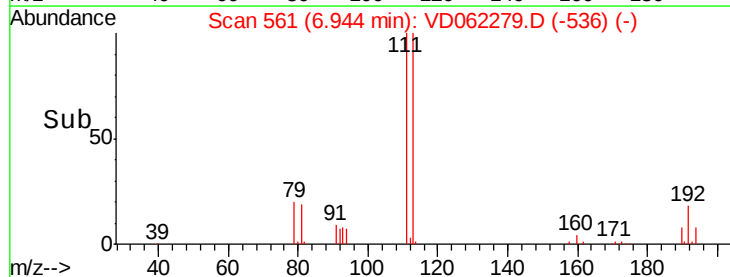
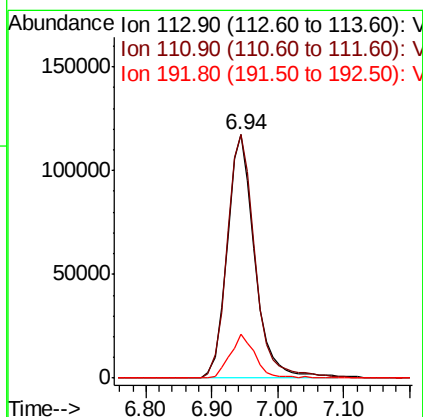
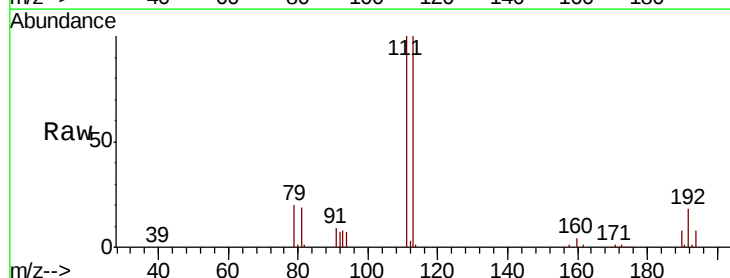
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS009-0002-01RE

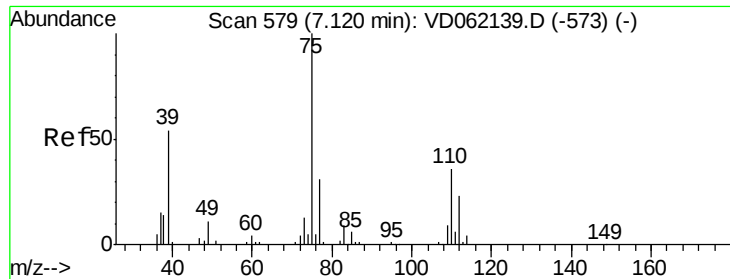
Tot Ion:114 Resp: 931678
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 32.4
 88 18.3 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 44.274 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062279.D
 Acq: 13 May 2019 1:54

Tgt Ion:113 Resp: 342247
 Ion Ratio Lower Upper
 113 100
 111 99.9 78.5 117.7
 192 17.9 13.0 19.4





#36

1,1-Dichloropropene

Concen: 7.185 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062279.D

Acq: 13 May 2019 1:54

Instrument :

MSVOA_D

ClientSampleId :

P026-SS009-0002-01RE

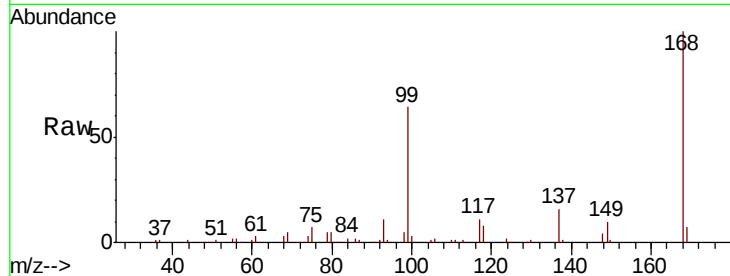
Tot Ion: 75 Resp: 54885

Ion Ratio Lower Upper

75 100

110 10.5 19.1 57.1#

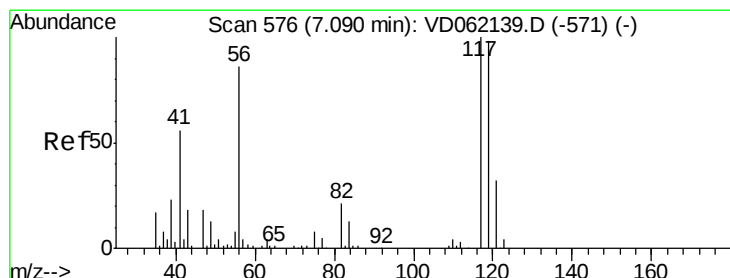
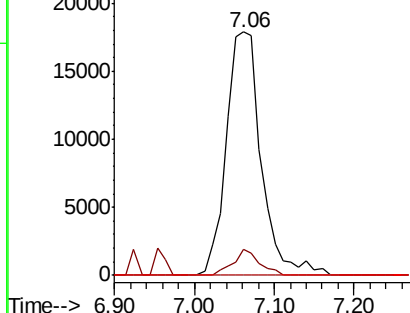
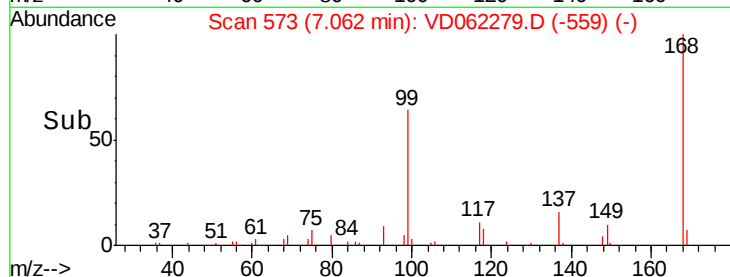
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 6.710 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062279.D

Acq: 13 May 2019 1:54

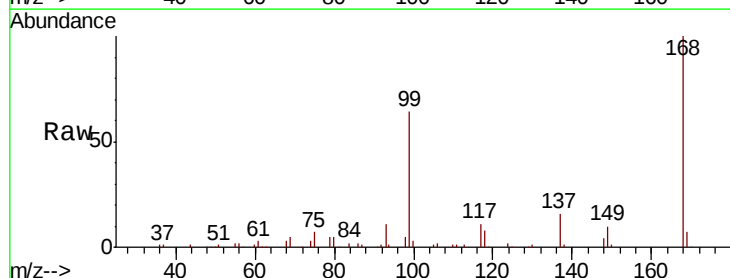
Tgt Ion: 117 Resp: 70944

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

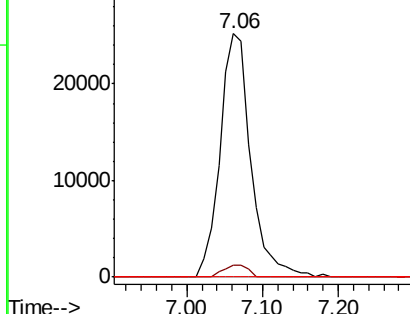
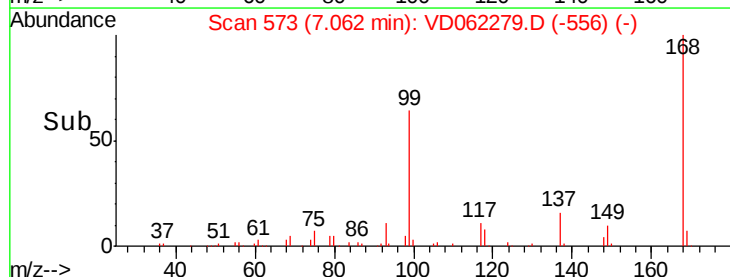
121 0.0 25.9 38.9#

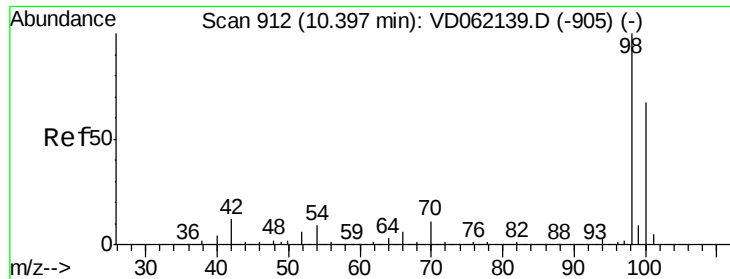


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

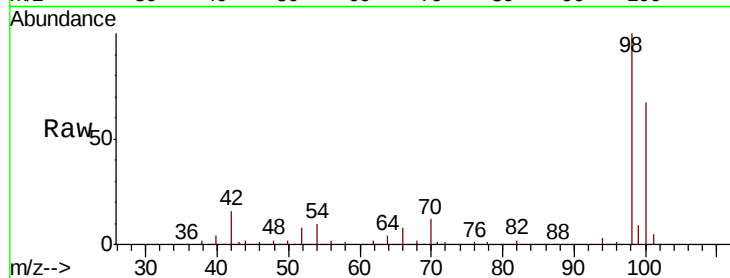




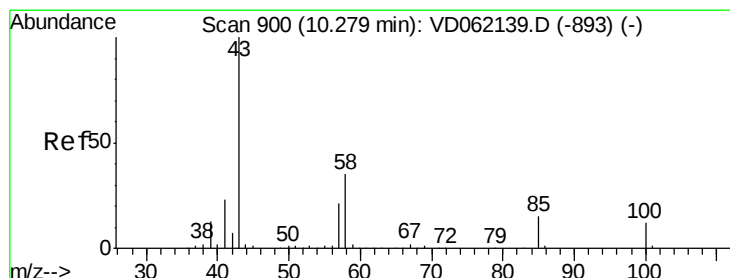
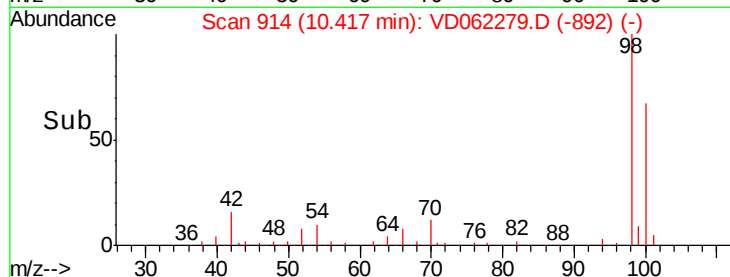
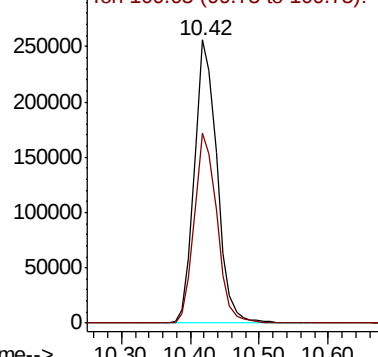
#50
Toluene-d8
Concen: 31.284 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062279.D
Acq: 13 May 2019 1:54

Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-0002-01RE

Tot Ion: 98 Resp: 583077
Ion Ratio Lower Upper
98 100
100 67.0 53.8 80.8

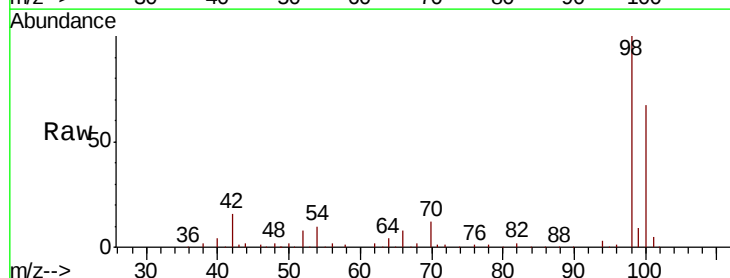


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

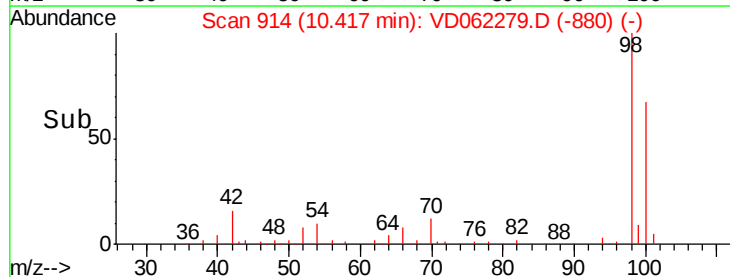
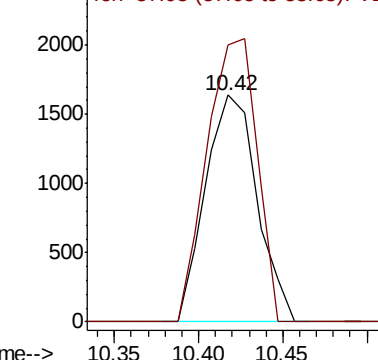


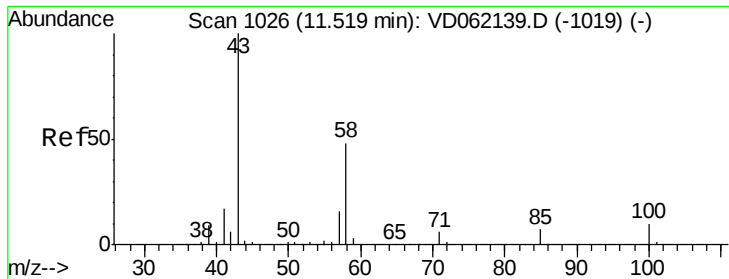
#51
4-Methyl-2-Pentanone
Concen: 1.181 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.14 min
Lab File: VD062279.D
Acq: 13 May 2019 1:54

Tgt Ion: 43 Resp: 3488
Ion Ratio Lower Upper
43 100
58 122.2 30.4 45.6#



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

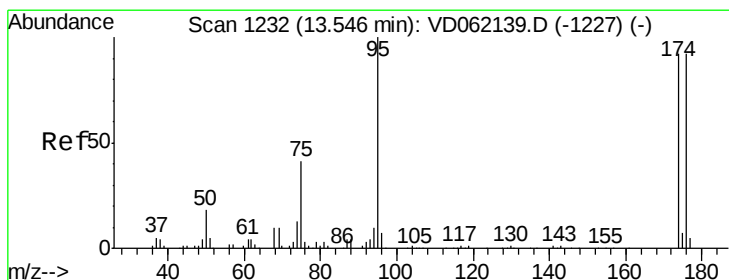
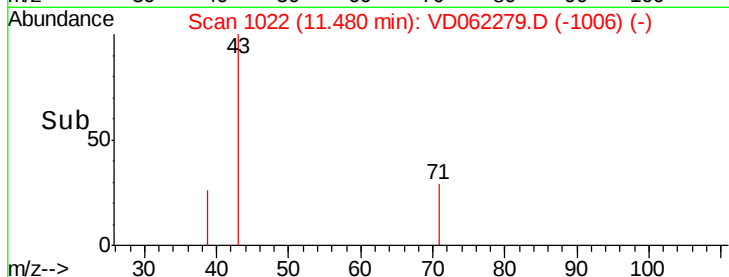
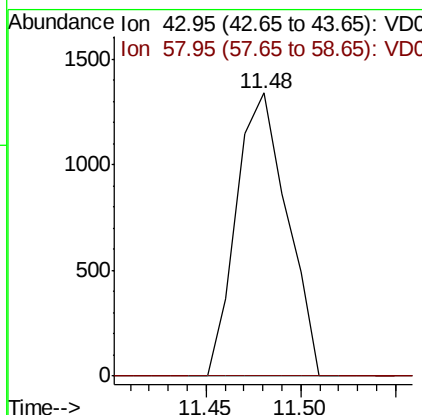
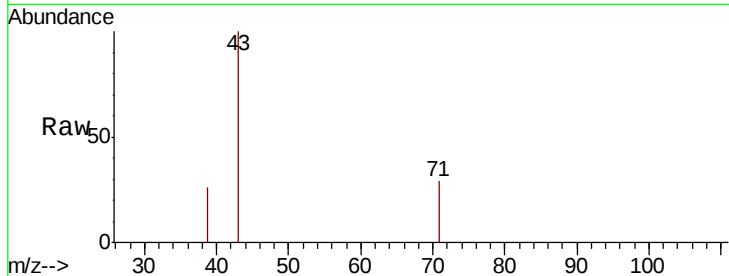




#59
2-Hexanone
Concen: 1.141 ug/l
RT: 11.48 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VD062279.D
Acq: 13 May 2019 1:54

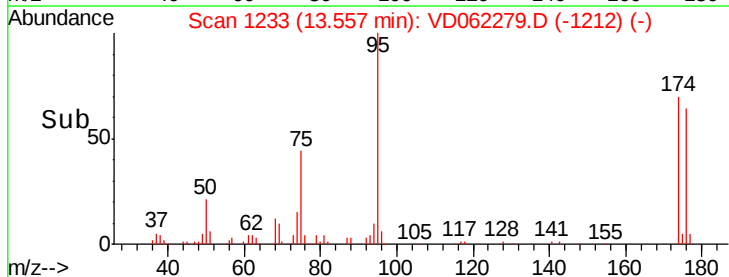
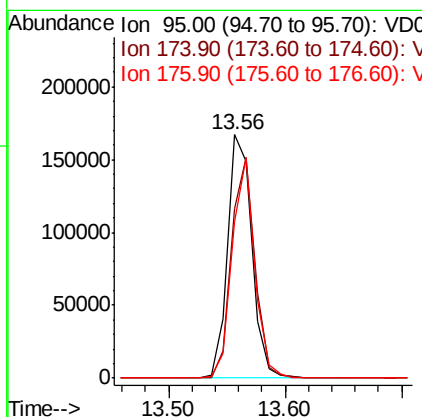
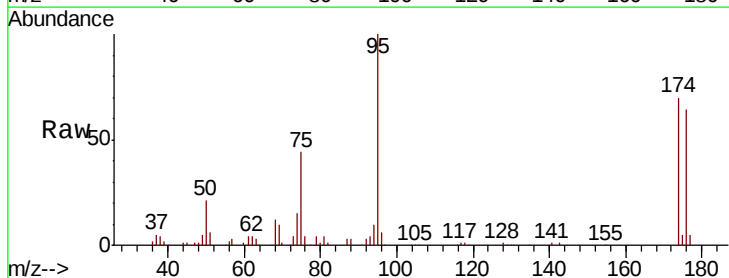
Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-0002-01RE

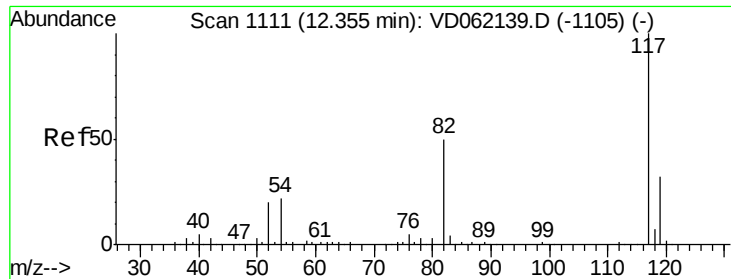
Tot Ion: 43 Resp: 2483
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 32.145 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062279.D
Acq: 13 May 2019 1:54

Tgt Ion: 95 Resp: 240589
Ion Ratio Lower Upper
95 100
174 69.8 0.0 181.8
176 64.4 0.0 174.4

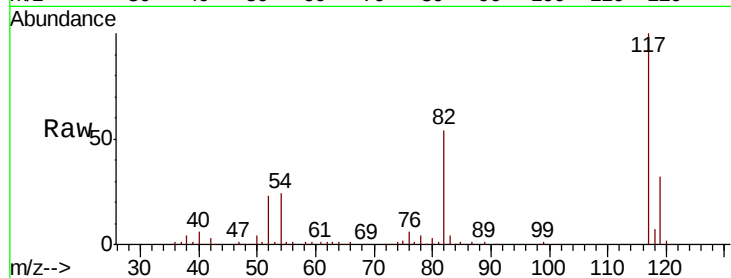




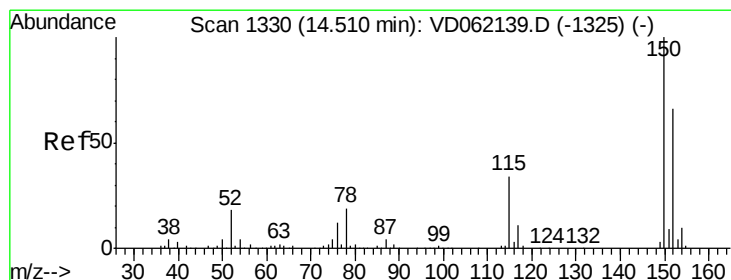
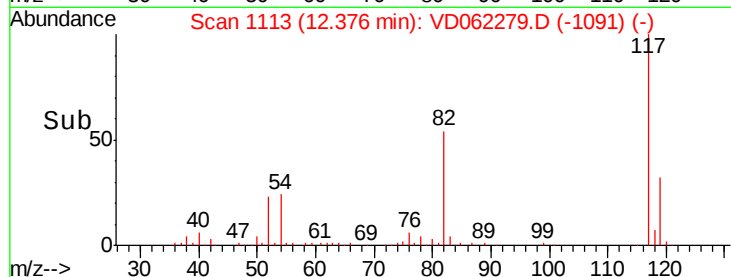
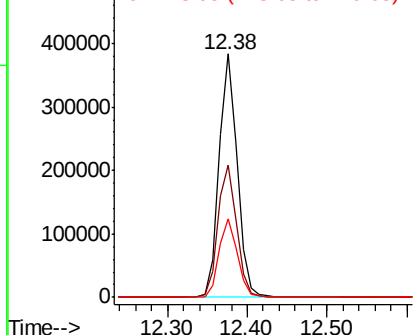
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062279.D
Acq: 13 May 2019 1:54

Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-0002-01RE

Tot Ion:117 Resp: 622137
Ion Ratio Lower Upper
117 100
82 54.2 36.2 54.2
119 32.4 26.2 39.4

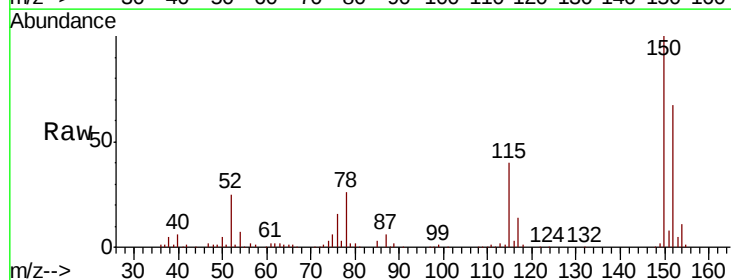


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

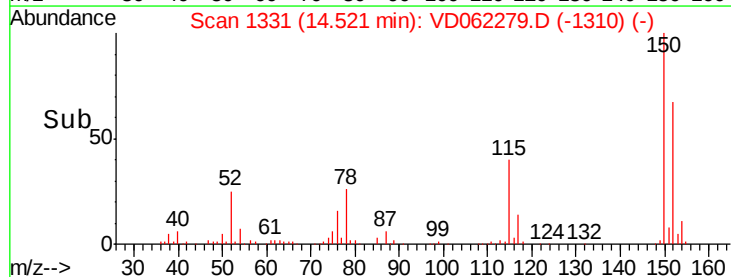
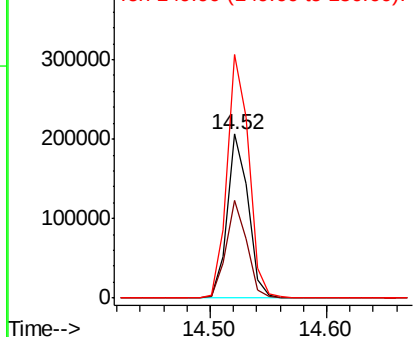


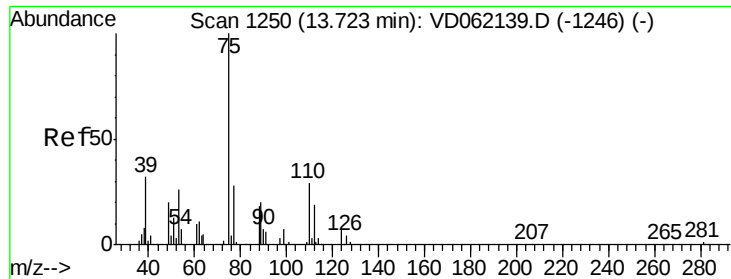
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062279.D
Acq: 13 May 2019 1:54

Tgt Ion:152 Resp: 256537
Ion Ratio Lower Upper
152 100
115 59.6 30.9 92.7
150 148.7 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: 29.640 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062279.D

Acq: 13 May 2019 1:54

Instrument :

MSVOA_D

ClientSampleId :

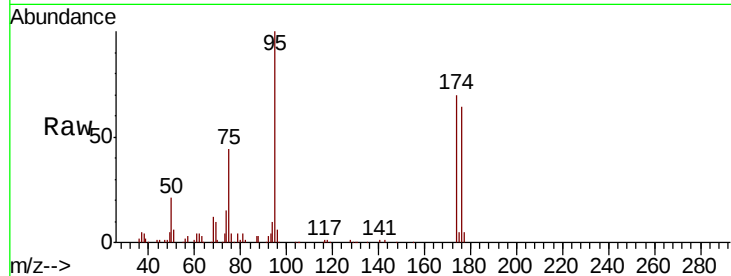
P026-SS009-0002-01RE

Tot Ion: 75 Resp: 90365

Ion Ratio Lower Upper

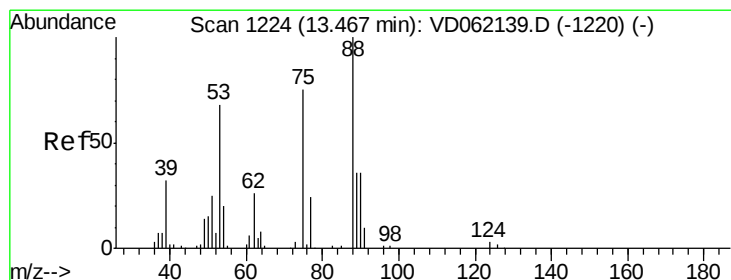
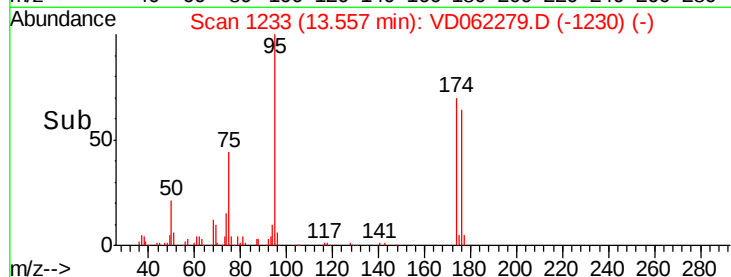
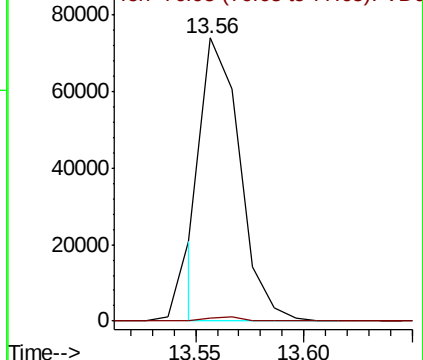
75 100

77 1.0 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: 120.053 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062279.D

Acq: 13 May 2019 1:54

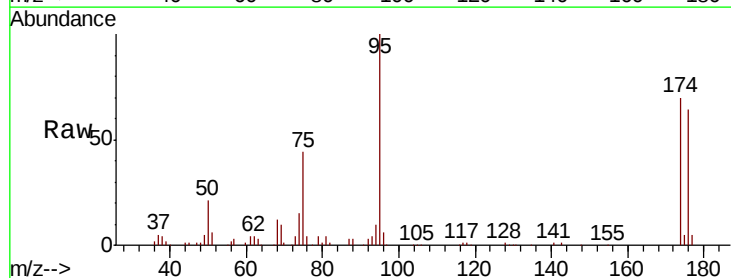
Tgt Ion: 75 Resp: 103327

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

