

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062357.D
 Acq On : 14 May 2019 20:10
 Operator : FY/SY
 Sample : K2735-9RE
 Misc : 6.50µ/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS016-0206-01

Quant Time: May 15 02:02:05 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

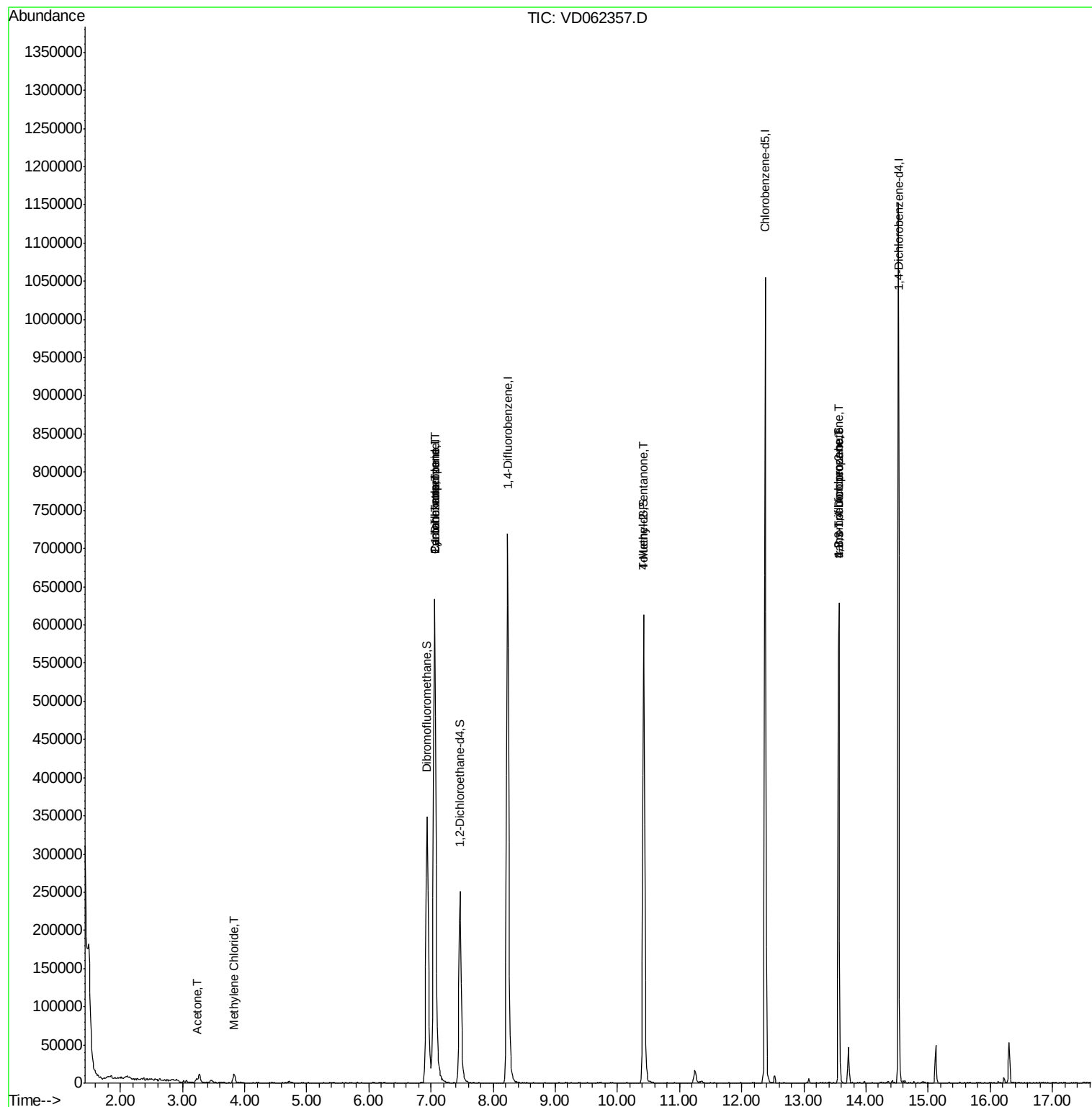
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	587339	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	752757	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	517646	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	228512	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	290673	53.25	ug/l	0.04
Spiked Amount 50.000			Recovery	=	106.50%	
35) Dibromofluoromethane	6.93	113	313722	50.23	ug/l	0.04
Spiked Amount 50.000			Recovery	=	100.46%	
50) Toluene-d8	10.42	98	503716	33.45	ug/l	0.02
Spiked Amount 50.000			Recovery	=	66.90%	
62) 4-Bromofluorobenzene	13.57	95	185913	30.74	ug/l	0.02
Spiked Amount 50.000			Recovery	=	61.48%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	9816	8.576	ug/l #	77
20) Methylene Chloride	3.82	84	6589	1.379	ug/l	91
31) Cyclohexane	7.05	56	13877	2.423	ug/l #	10
36) 1,1-Dichloropropene	7.05	75	51053	8.272	ug/l #	45
38) Carbon Tetrachloride	7.06	117	63713	7.458	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	2892	1.212	ug/l #	43
76) 1,2,3-Trichloropropane	13.56	75	76050	28.004	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	86055	112.248	ug/l #	16

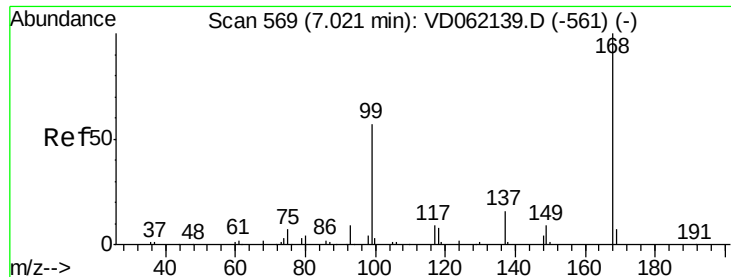
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD062357.D

Acq: 14 May 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

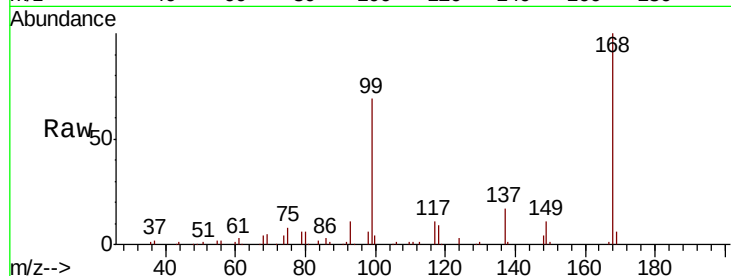
P026-SS016-0206-01

Tot Ion:168 Resp: 587339

Ion Ratio Lower Upper

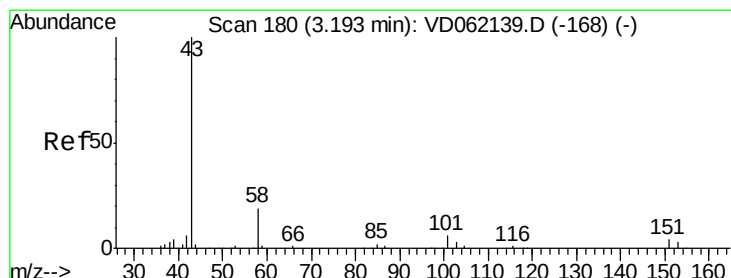
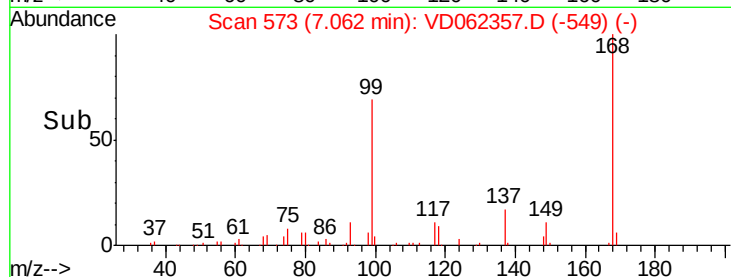
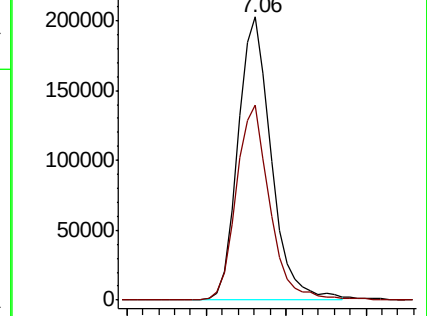
168 100

99 68.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 8.576 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062357.D

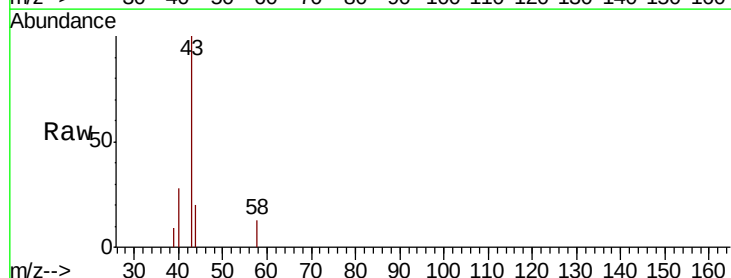
Acq: 14 May 2019 20:10

Tgt Ion: 43 Resp: 9816

Ion Ratio Lower Upper

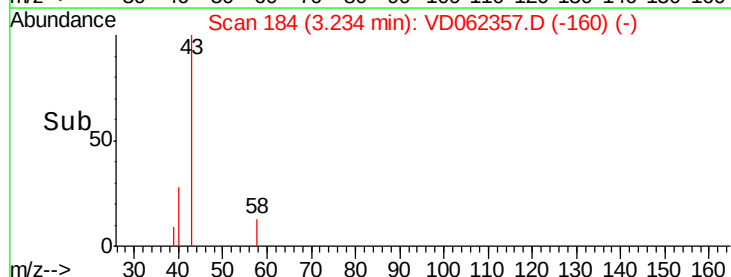
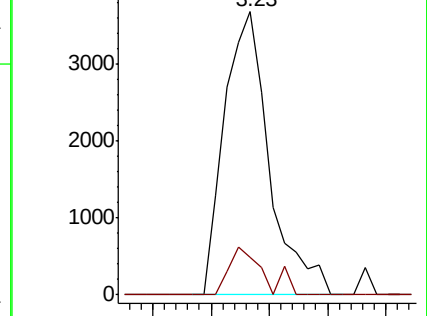
43 100

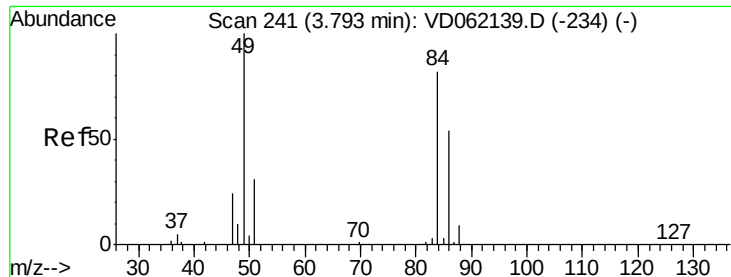
58 13.2 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

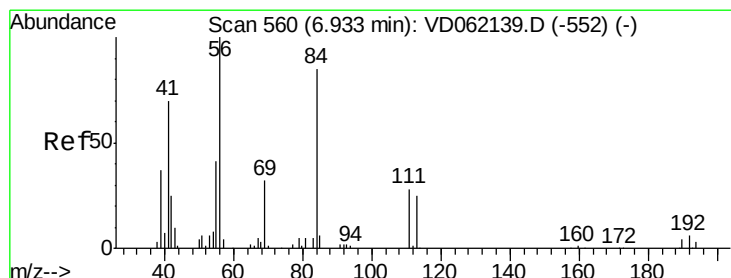
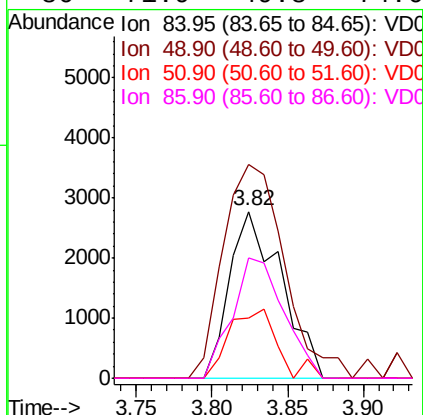
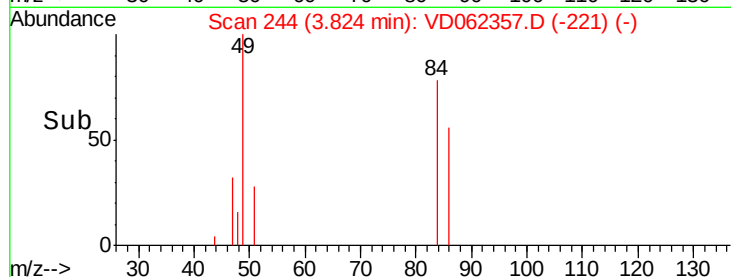
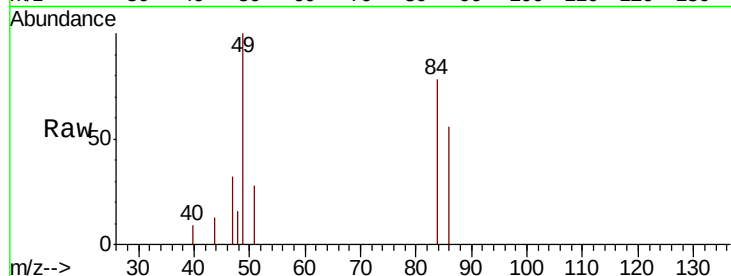




#20
Methylene Chloride
Concen: 1.379 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062357.D
Acq: 14 May 2019 20:10

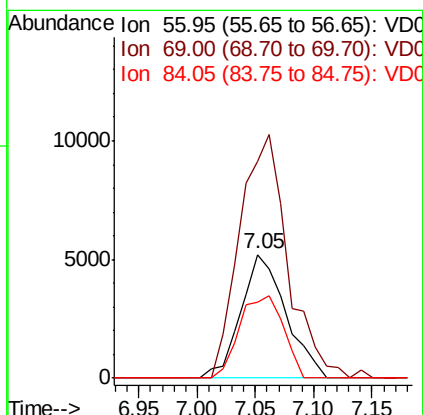
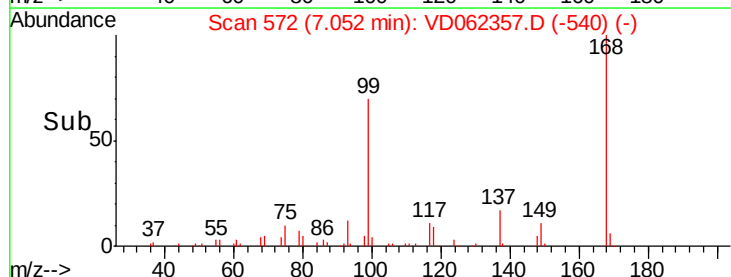
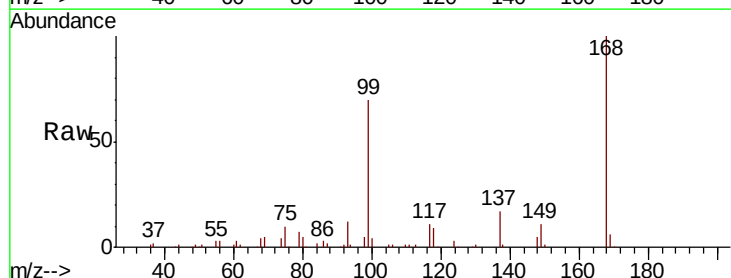
Instrument :
MSVOA_D
ClientSampleId :
P026-SS016-0206-01

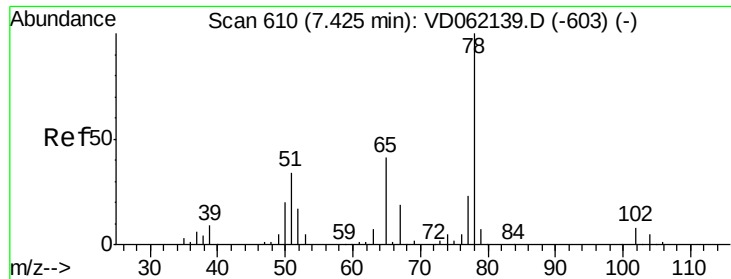
Tot Ion: 84 Resp: 6589
Ion Ratio Lower Upper
84 100
49 128.2 94.0 141.0
51 35.8 29.0 43.4
86 71.9 49.8 74.6



#31
Cyclohexane
Concen: 2.423 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD062357.D
Acq: 14 May 2019 20:10

Tgt Ion: 56 Resp: 13877
Ion Ratio Lower Upper
56 100
69 176.0 25.8 38.6#
84 61.6 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 53.254 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062357.D

Acq: 14 May 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

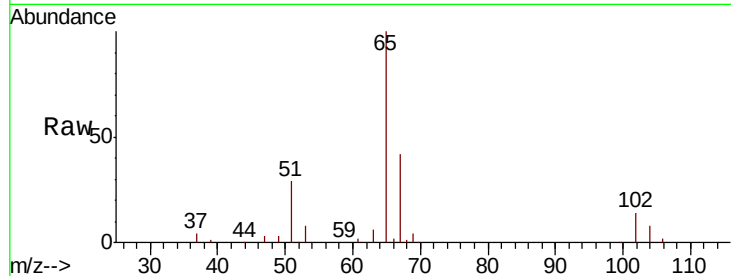
P026-SS016-0206-01

Tot Ion: 65 Resp: 290673

Ion Ratio Lower Upper

65 100

67 42.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

120000

100000

80000

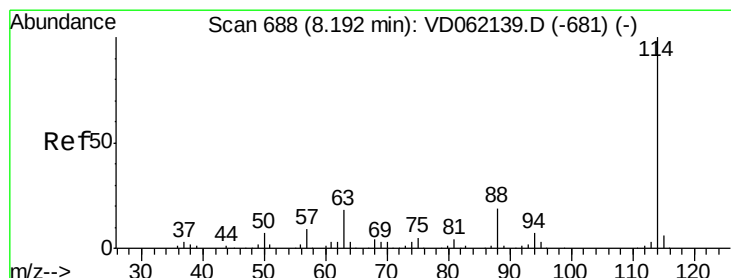
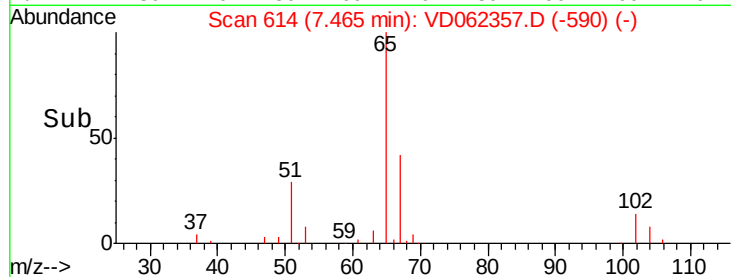
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062357.D

Acq: 14 May 2019 20:10

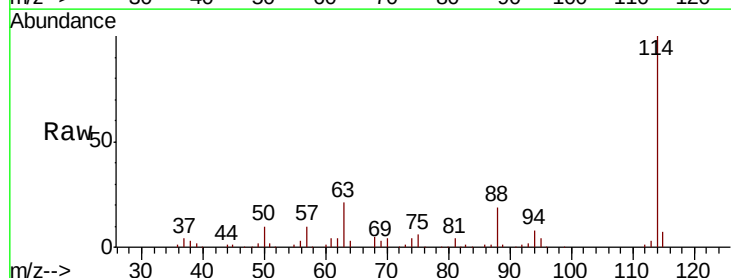
Tgt Ion: 114 Resp: 752757

Ion Ratio Lower Upper

114 100

63 20.6 0.0 32.4

88 19.1 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

8.23

400000

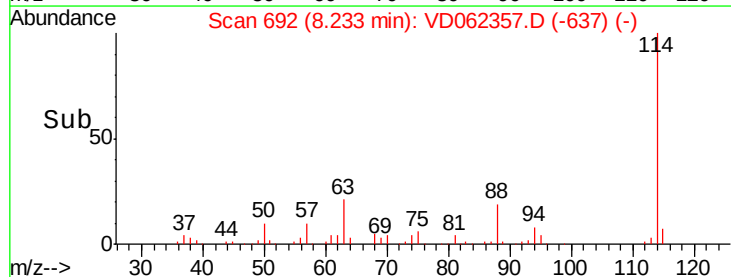
300000

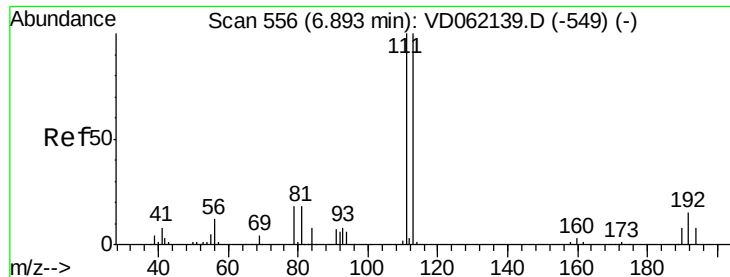
200000

100000

0

Time--> 8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 50.230 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062357.D

Acq: 14 May 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

P026-SS016-0206-01

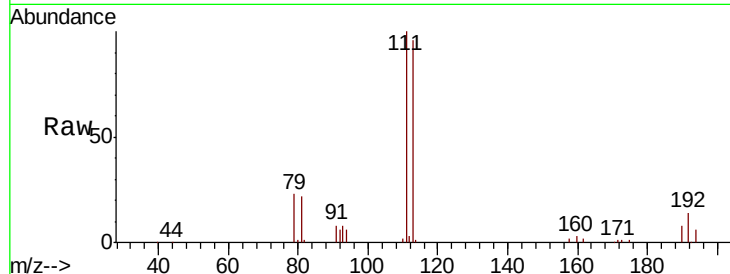
Tot Ion:113 Resp: 313722

Ion Ratio Lower Upper

113 100

111 104.0 78.5 117.7

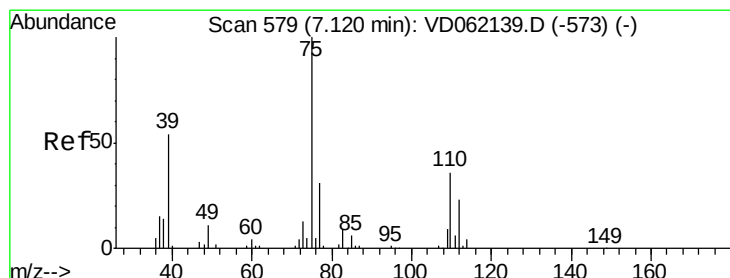
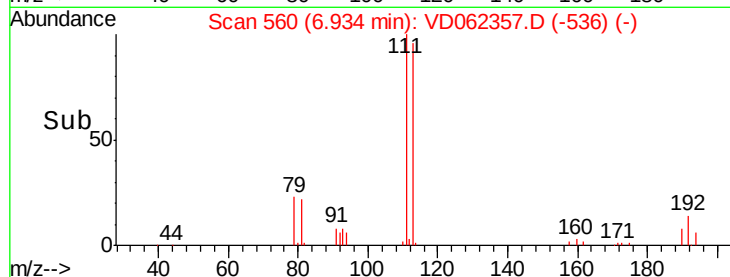
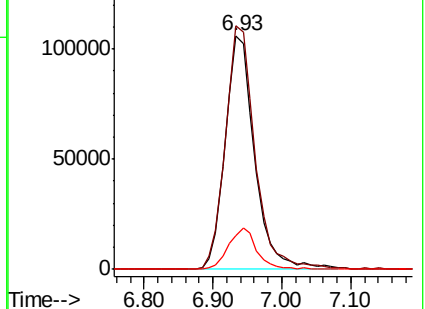
192 14.6 13.0 19.4



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: 8.272 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062357.D

Acq: 14 May 2019 20:10

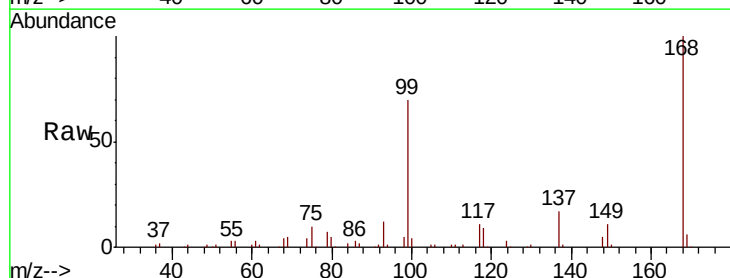
Tgt Ion: 75 Resp: 51053

Ion Ratio Lower Upper

75 100

110 6.4 19.1 57.1#

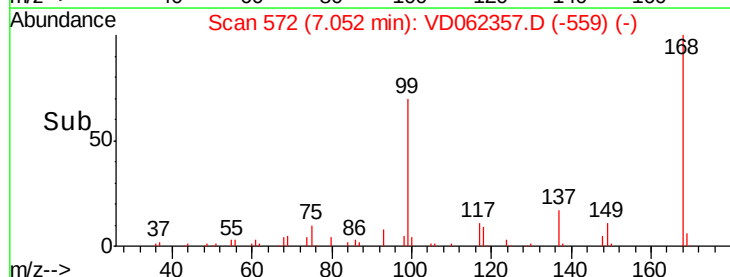
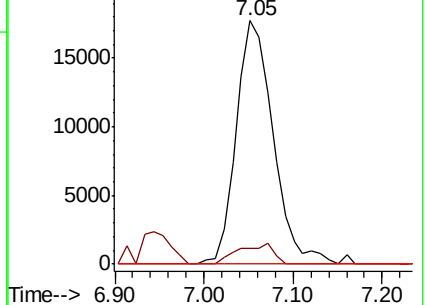
77 0.0 25.6 38.4#

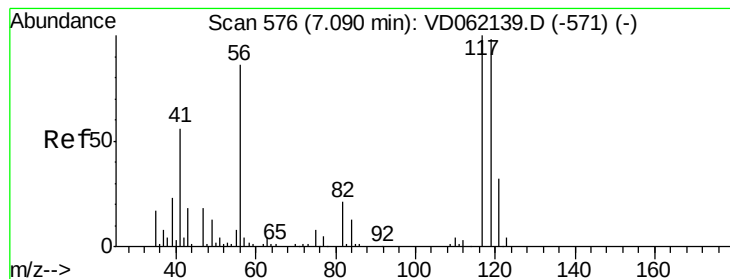


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 7.458 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062357.D

Acq: 14 May 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

P026-SS016-0206-01

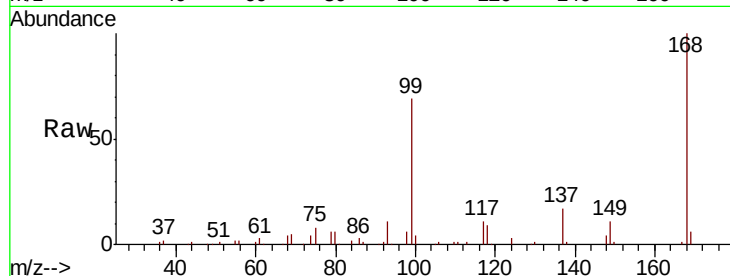
Tot Ion:117 Resp: 63713

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

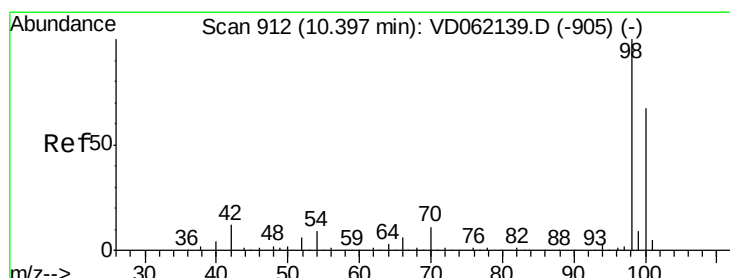
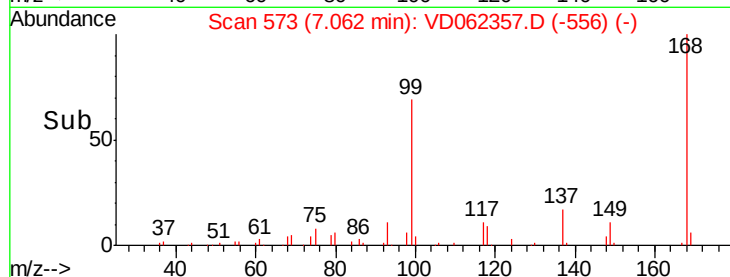
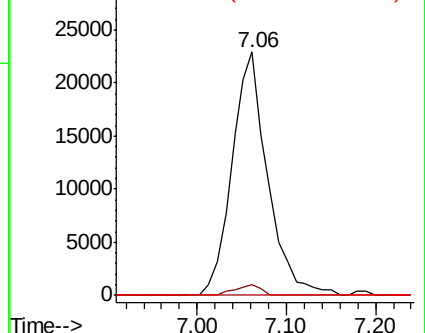
121 0.0 25.9 38.9#



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: 33.450 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062357.D

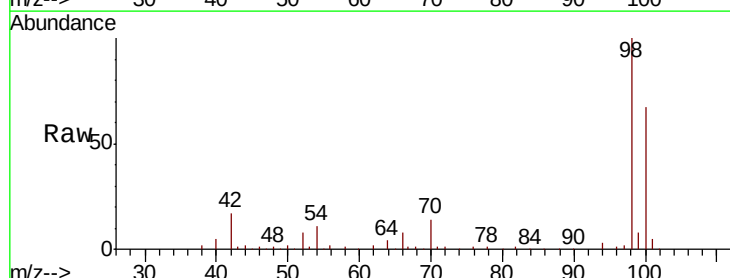
Acq: 14 May 2019 20:10

Tgt Ion: 98 Resp: 503716

Ion Ratio Lower Upper

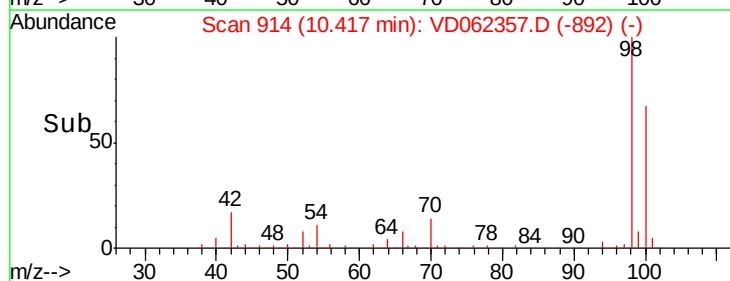
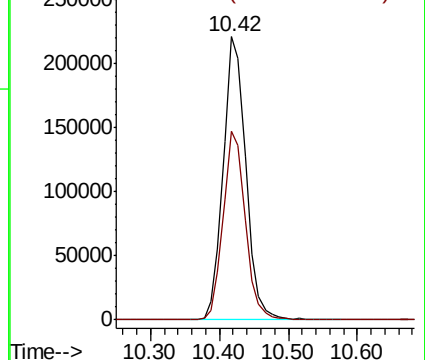
98 100

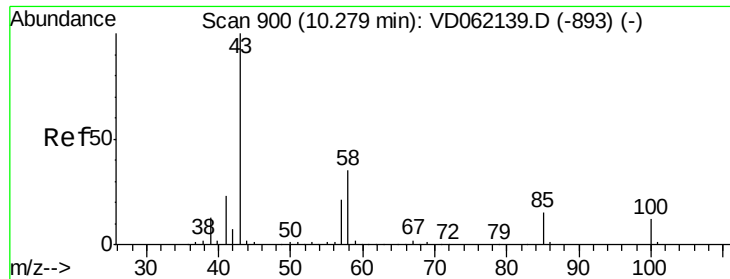
100 66.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.212 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD062357.D

Acq: 14 May 2019 20:10

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ClientSampleId :

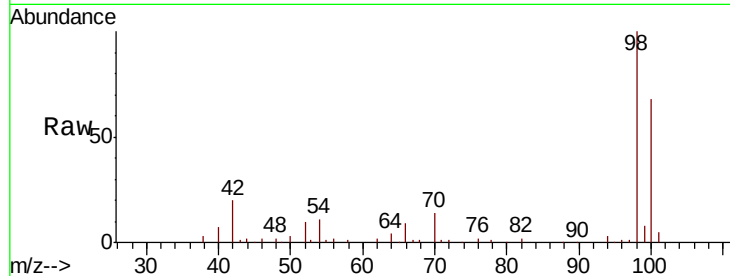
P026-SS016-0206-01

Tot Ion: 43 Resp: 2892

Ion Ratio Lower Upper

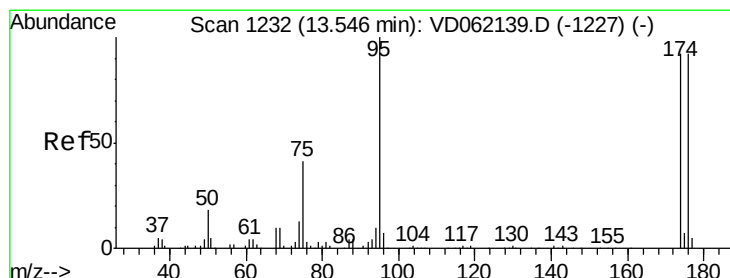
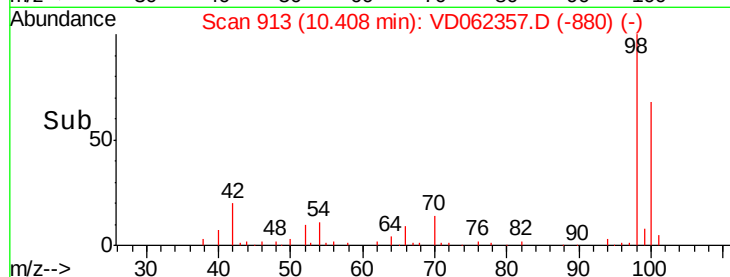
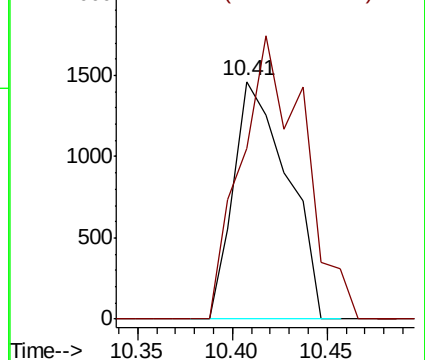
43 100

58 72.1 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: 30.744 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062357.D

Acq: 14 May 2019 20:10

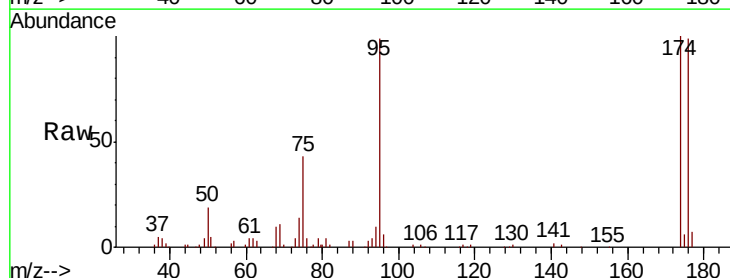
Tgt Ion: 95 Resp: 185913

Ion Ratio Lower Upper

95 100

174 100.8 0.0 181.8

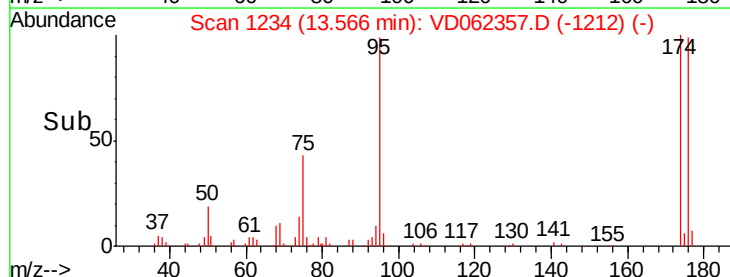
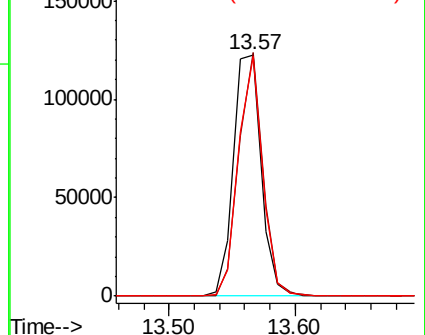
176 99.3 0.0 174.4

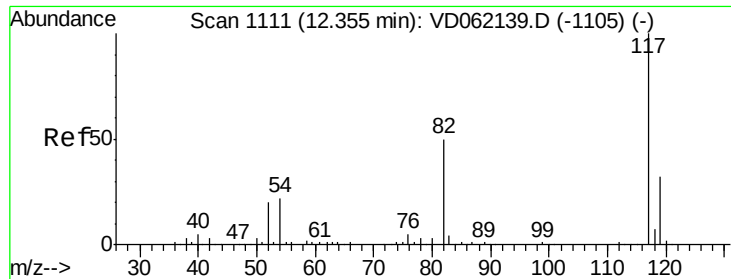


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

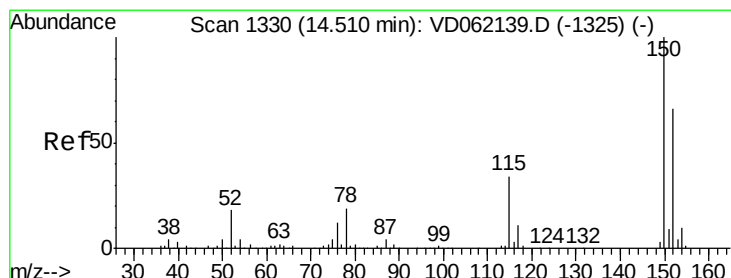
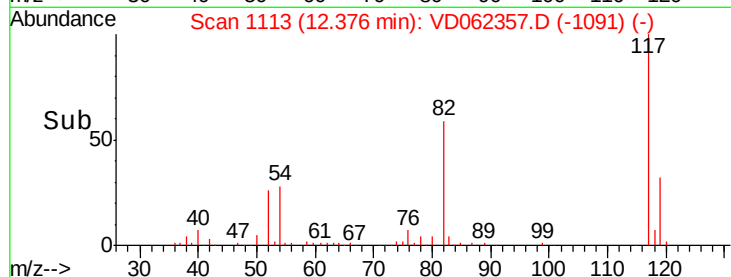
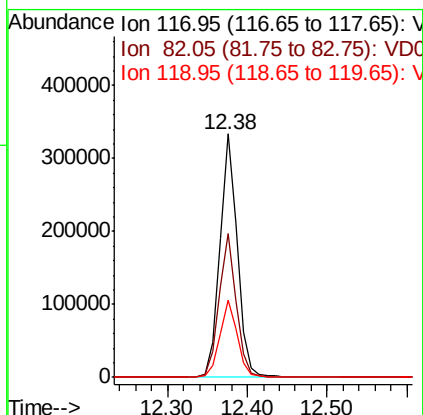
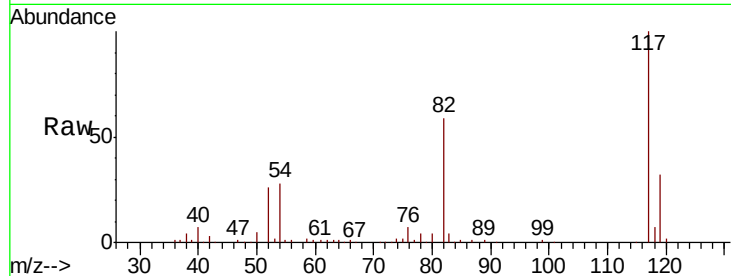




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062357.D
Acq: 14 May 2019 20:10

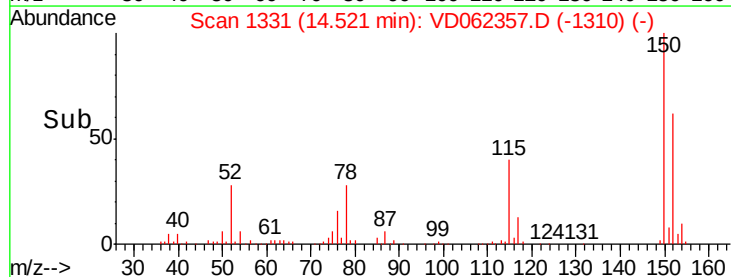
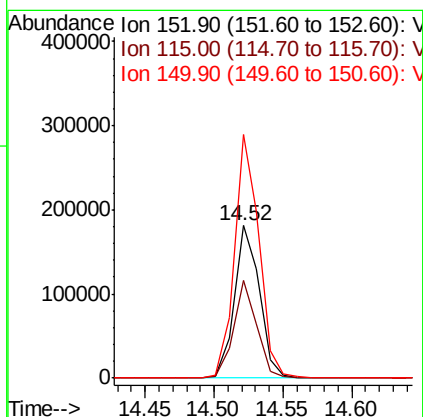
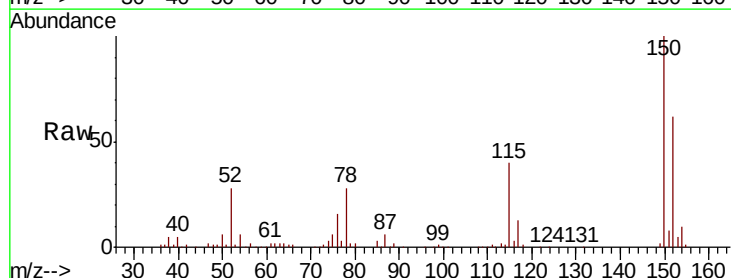
Instrument :
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P026-SS016-0206-01

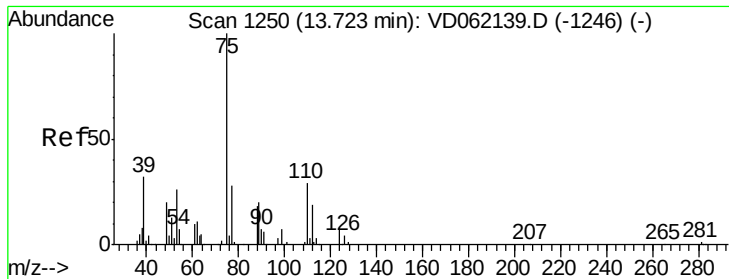
Tot Ion:117 Resp: 517646
Ion Ratio Lower Upper
117 100
82 59.1 36.2 54.2#
119 31.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062357.D
Acq: 14 May 2019 20:10

Tgt Ion:152 Resp: 228512
Ion Ratio Lower Upper
152 100
115 64.0 30.9 92.7
150 160.1 0.0 314.8





#76

1,2,3-Trichloropropane

Concen: 28.004 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062357.D

Acq: 14 May 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

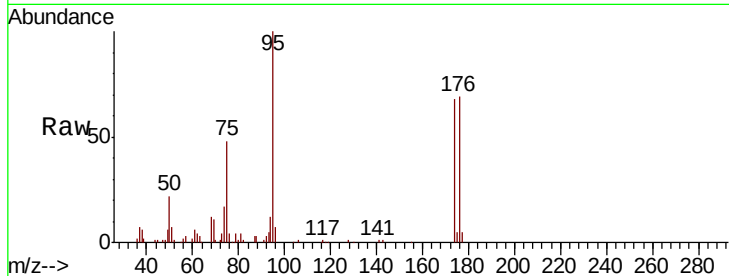
P026-SS016-0206-01

Tot Ion: 75 Resp: 76050

Ion Ratio Lower Upper

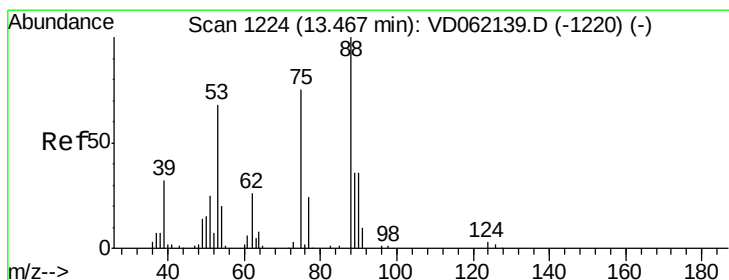
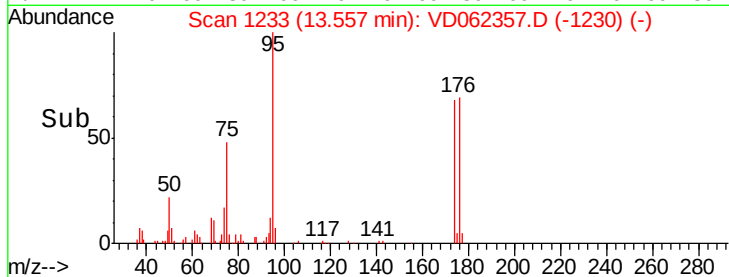
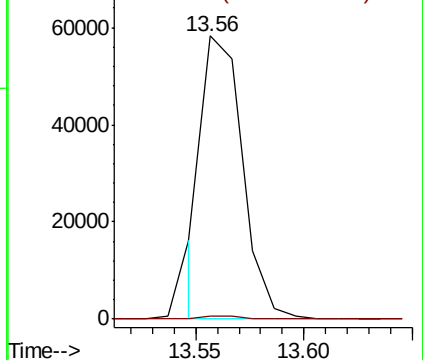
75 100

77 0.9 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: 112.248 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062357.D

Acq: 14 May 2019 20:10

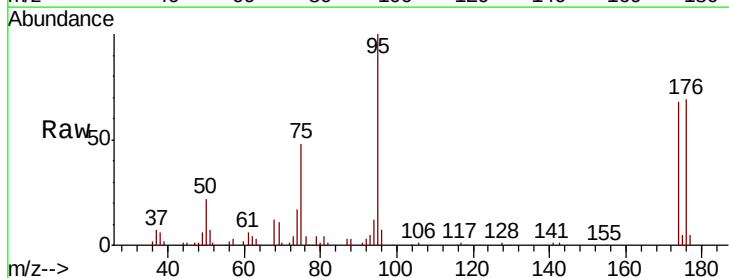
Tgt Ion: 75 Resp: 86055

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

