

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062180.D
 Acq On : 8 May 2019 18:02
 Operator : FY/SY
 Sample : K2717-08
 Misc : 5.08g/5mL/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-0612-01

Quant Time: May 09 01:25:59 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	7.02	168	231162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	374358	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	272759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	95880	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	255691	119.02	ug/l	0.00
Spiked Amount			Recovery	=	238.04%	
35) Dibromofluoromethane	6.90	113	249022	80.17	ug/l	0.00
Spiked Amount			Recovery	=	160.34%	
50) Toluene-d8	10.39	98	399011	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
62) 4-Bromofluorobenzene	13.54	95	120046	39.92	ug/l	0.00
Spiked Amount			Recovery	=	79.84%	

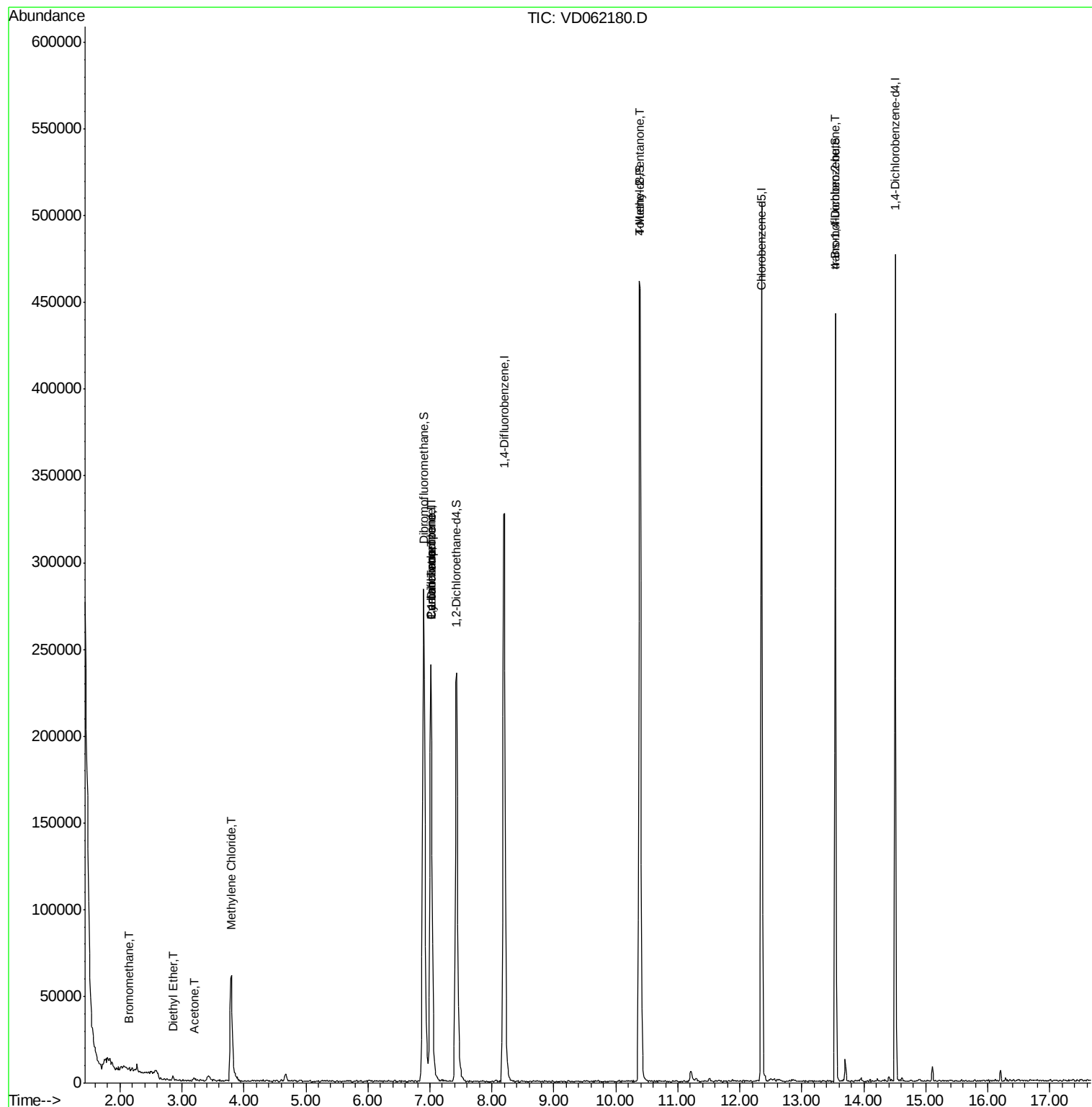
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1829	4.972	ug/l #	12
8) Diethyl Ether	2.85	74	712	1.210	ug/l	91
16) Acetone	3.20	43	3820	8.479	ug/l #	50
18) Methyl Acetate	3.61	43	188	Below Cal	#	53
20) Methylene Chloride	3.80	84	42049	22.354	ug/l	98
31) Cyclohexane	7.02	56	4148	1.840	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	17751	5.783	ug/l #	40
38) Carbon Tetrachloride	7.01	117	23324	5.490	ug/l #	12
51) 4-Methyl-2-Pentanone	10.38	43	1650	1.390	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	51933	161.446	ug/l #	16

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

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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: 7.02 min Scan# 568

Delta R.T. -0.00 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

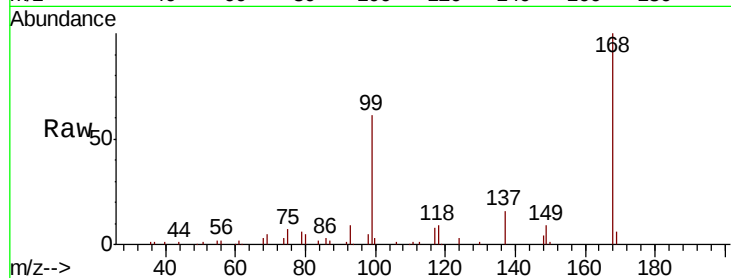
P026-SS002-0612-01

Tot Ion:168 Resp: 231162

Ion Ratio Lower Upper

168 100

99 61.0 46.5 69.7

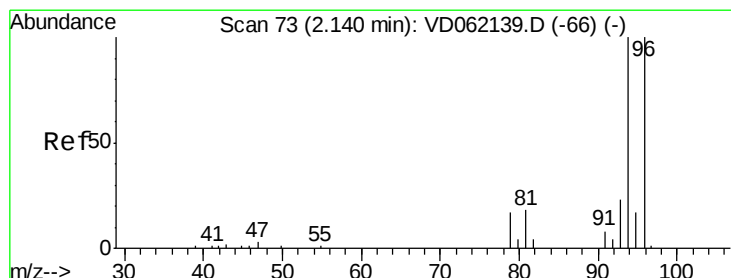
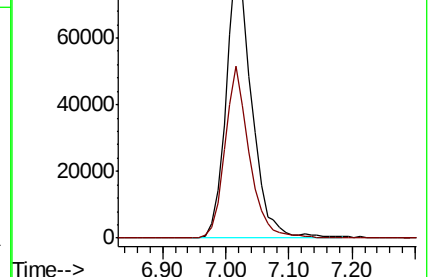
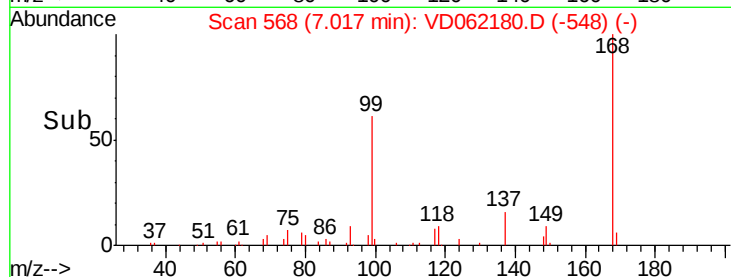


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

Time-->



#5

Bromomethane

Concen: 4.972 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

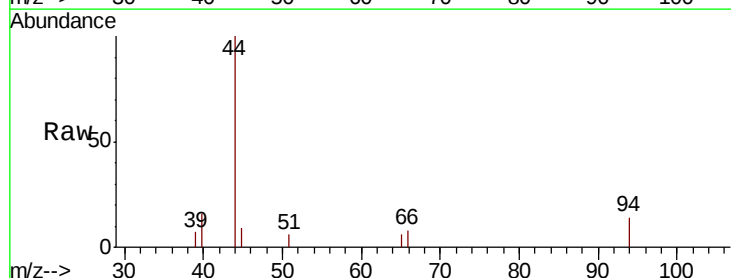
Tgt Ion: 94 Resp: 1829

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



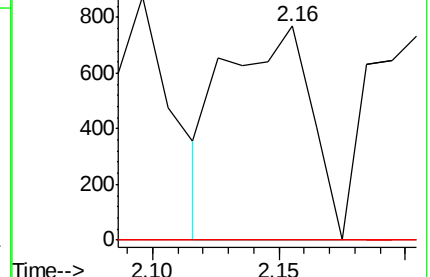
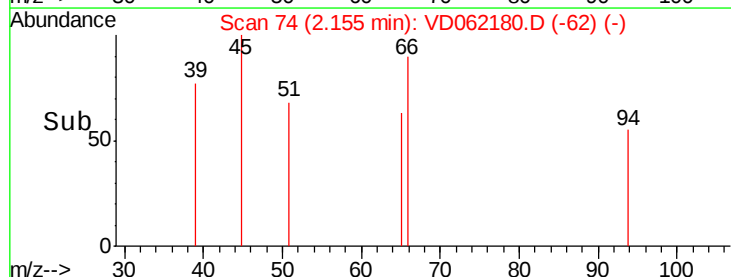
Abundance Ion 94.00 (93.70 to 94.70): VDC

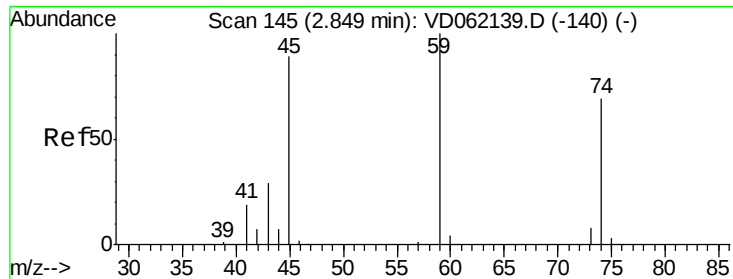
Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.16

Time-->





#8

Diethyl Ether

Concen: 1.210 ug/l

RT: 2.85 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

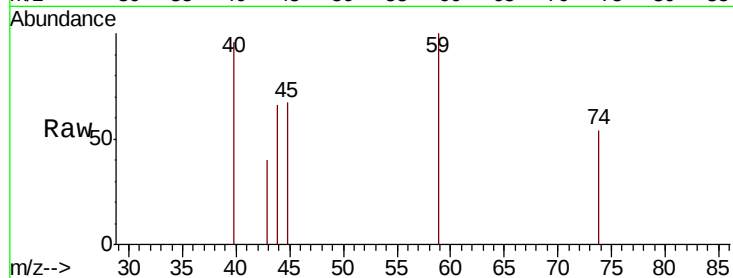
P026-SS002-0612-01

Tot Ion: 74 Resp: 712

Ion Ratio Lower Upper

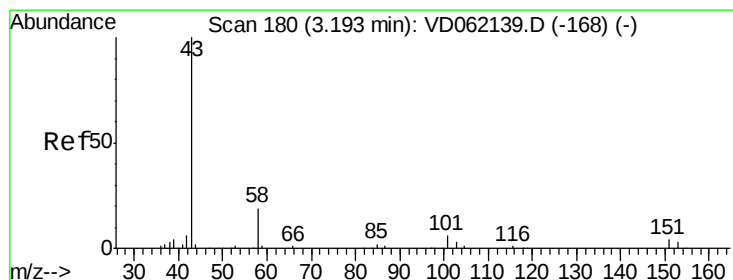
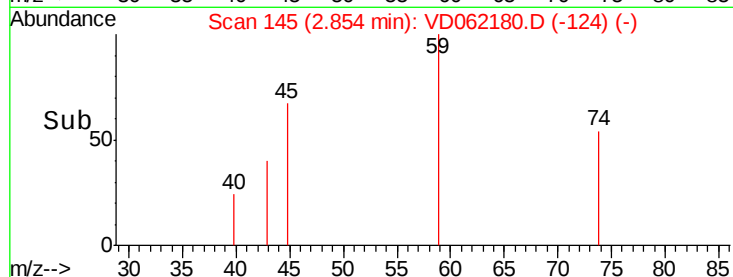
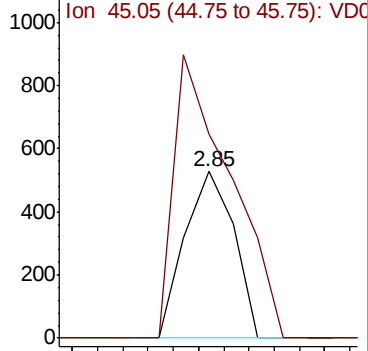
74 100

45 123.0 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 8.479 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD062180.D

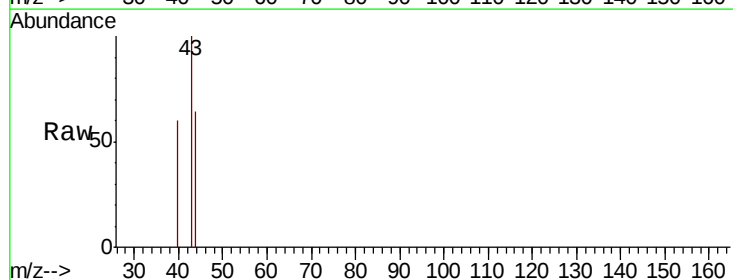
Acq: 8 May 2019 18:02

Tgt Ion: 43 Resp: 3820

Ion Ratio Lower Upper

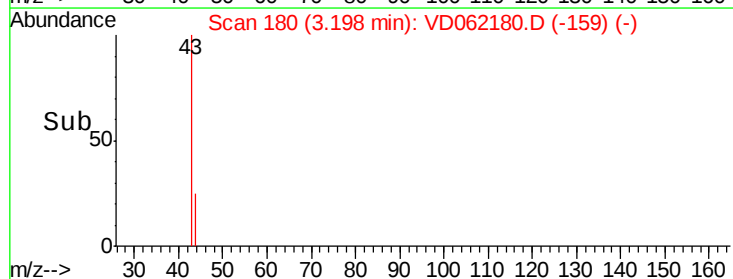
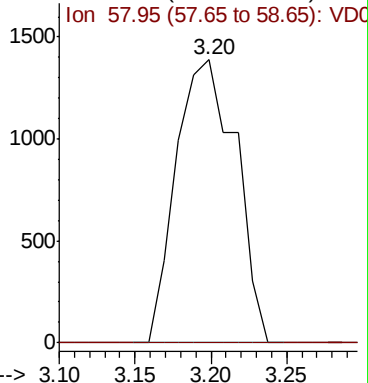
43 100

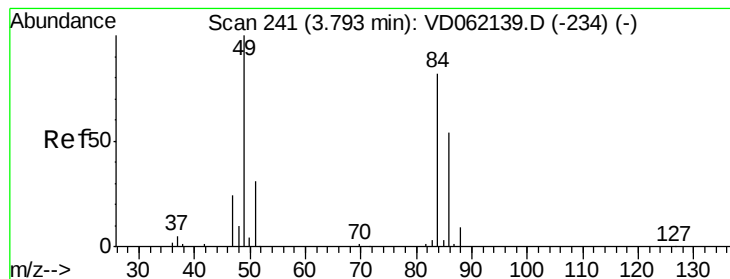
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 22.354 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.01 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-0612-01

Tot Ion: 84 Resp: 42049

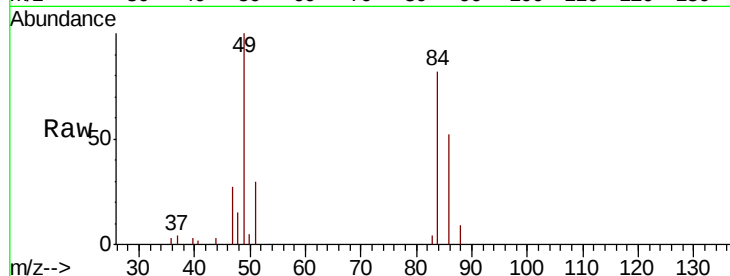
Ion Ratio Lower Upper

84 100

49 121.3 94.0 141.0

51 36.2 29.0 43.4

86 62.8 49.8 74.6

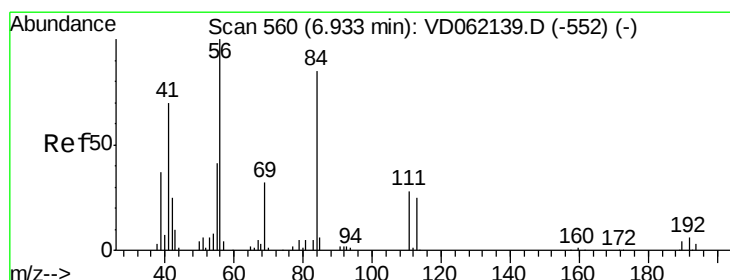
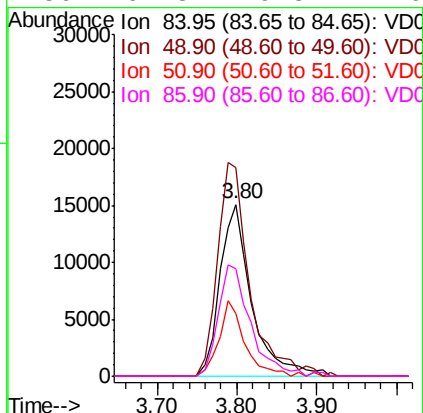
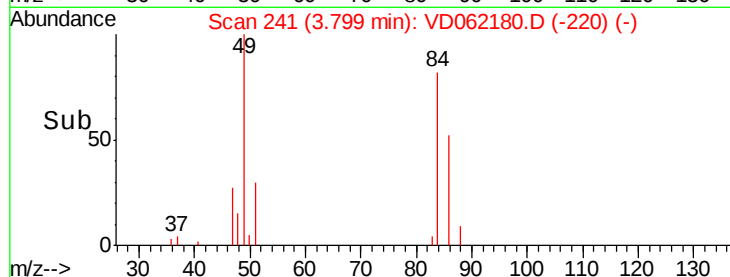


Abundance Ion 83.95 (83.65 to 84.65): VDC

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

Cyclohexane

Concen: 1.840 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.08 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

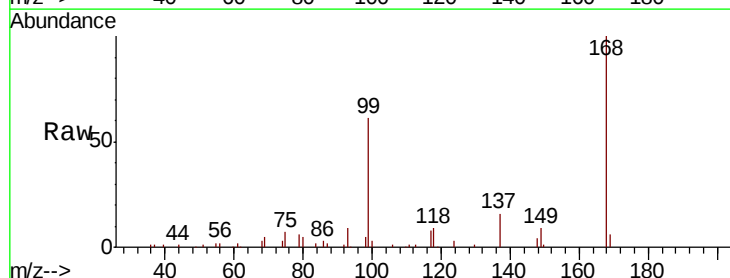
Tgt Ion: 56 Resp: 4148

Ion Ratio Lower Upper

56 100

69 236.8 25.8 38.6#

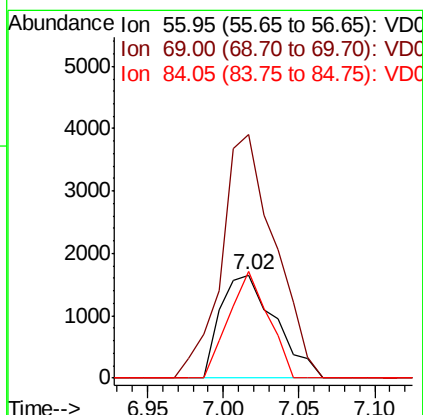
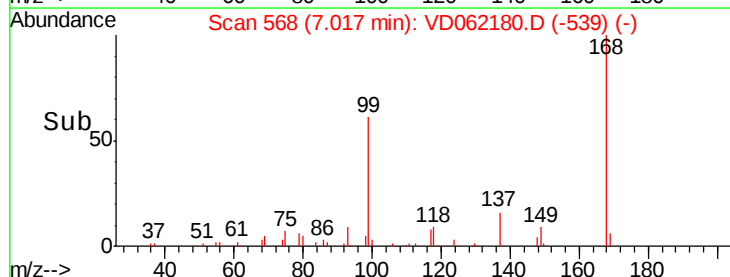
84 103.3 72.2 108.4



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: 119.025 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.01 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

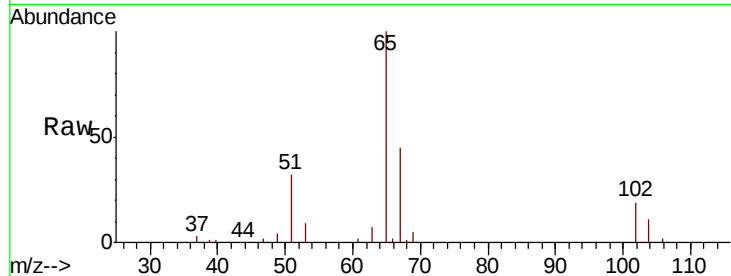
P026-SS002-0612-01

Tot Ion: 65 Resp: 255691

Ion Ratio Lower Upper

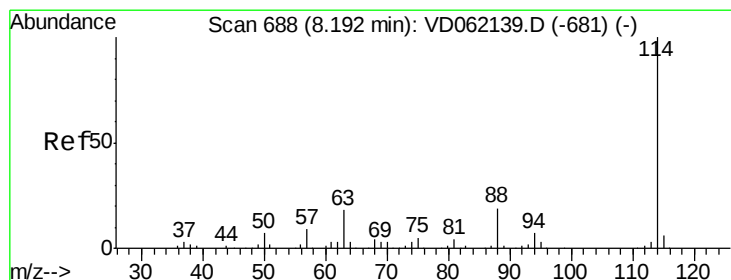
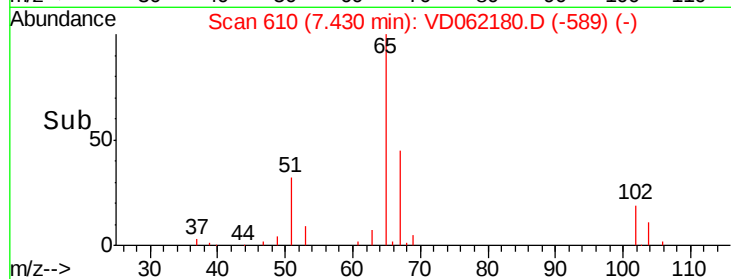
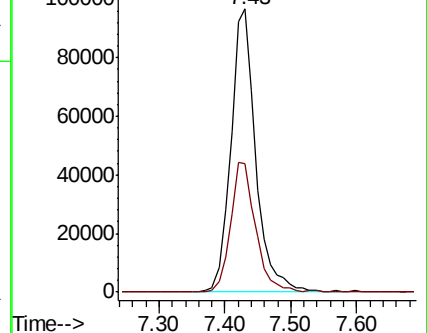
65 100

67 45.2 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: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

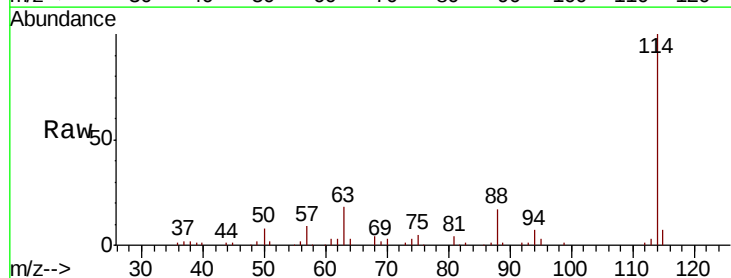
Tgt Ion: 114 Resp: 374358

Ion Ratio Lower Upper

114 100

63 17.8 0.0 32.4

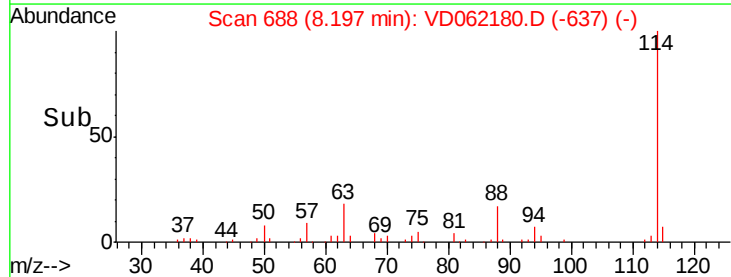
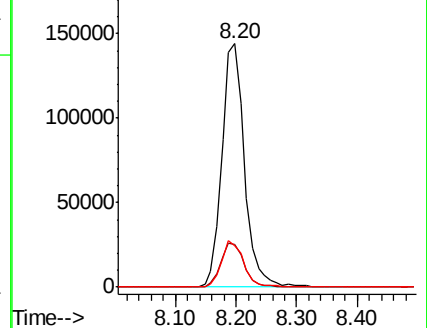
88 17.2 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 80.172 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.01 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-0612-01

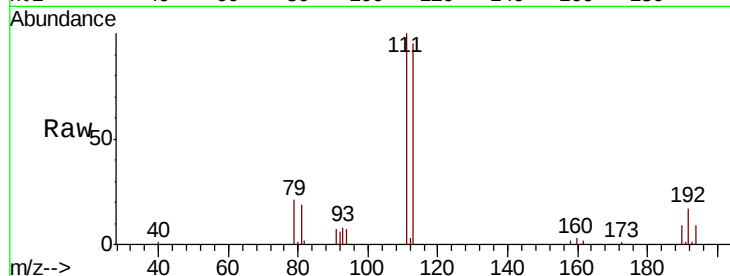
Tot Ion:113 Resp: 249022

Ion Ratio Lower Upper

113 100

111 105.1 78.5 117.7

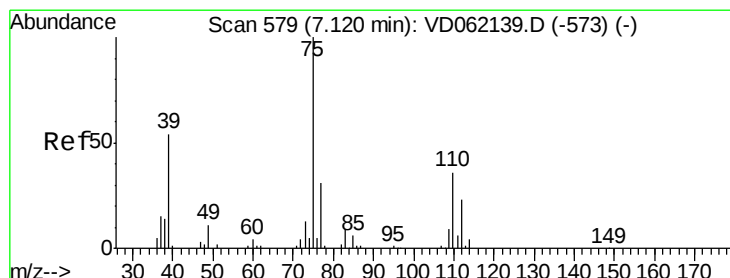
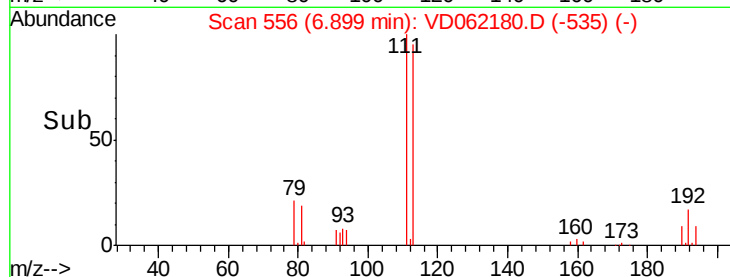
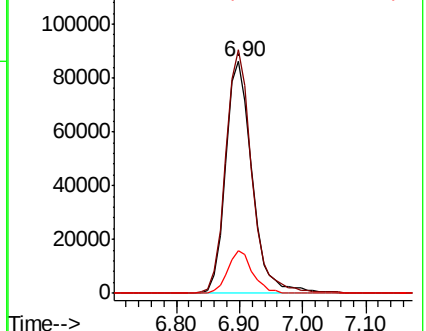
192 18.3 13.0 19.4



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: 5.783 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

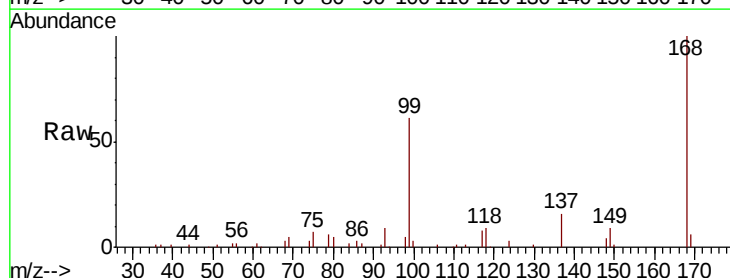
Tgt Ion: 75 Resp: 17751

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

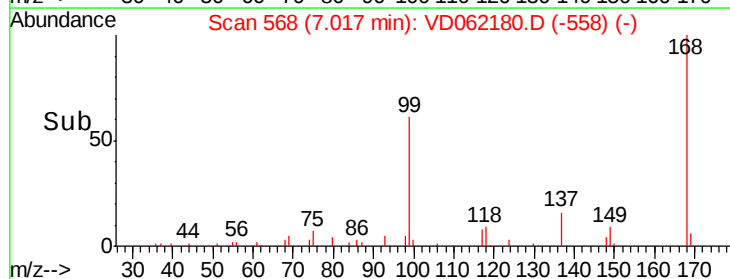
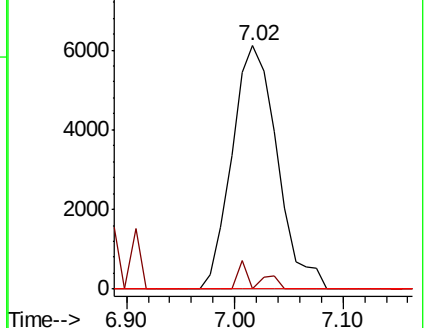
77 0.0 25.6 38.4#

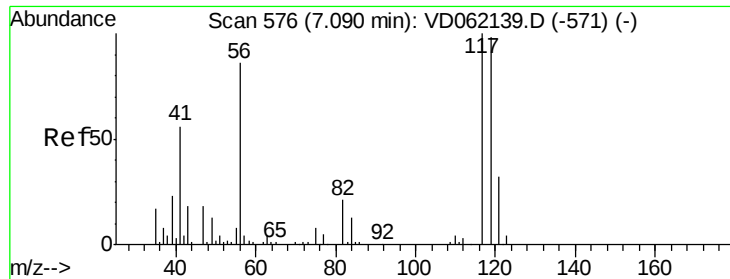


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

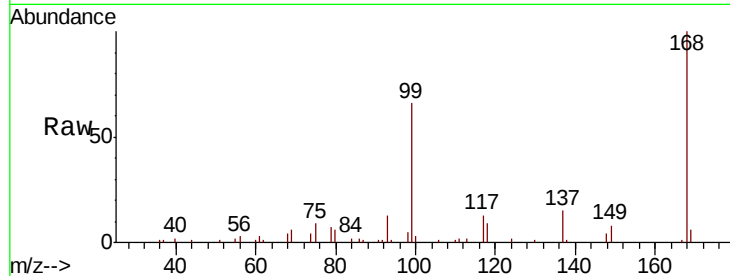




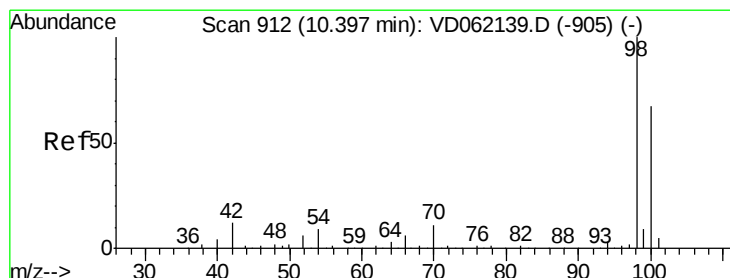
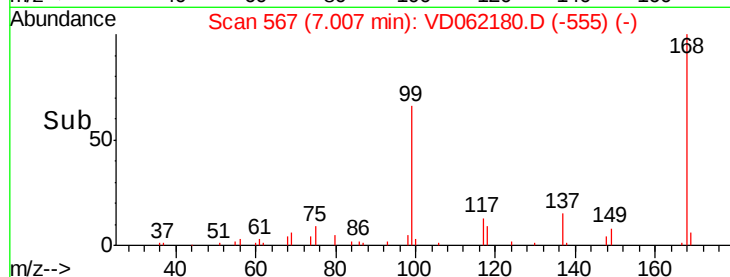
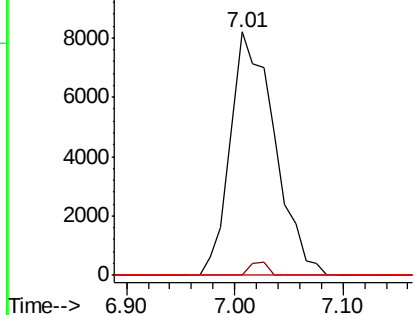
#38
Carbon Tetrachloride
Concen: 5.490 ug/l
RT: 7.01 min Scan# 567
Delta R.T. -0.08 min
Lab File: VD062180.D
Acq: 8 May 2019 18:02

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-0612-01

Tot Ion:117 Resp: 23324
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

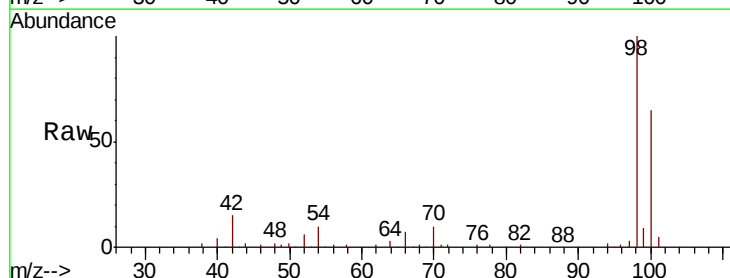


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

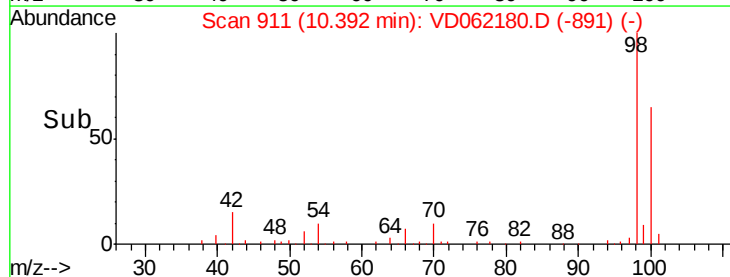
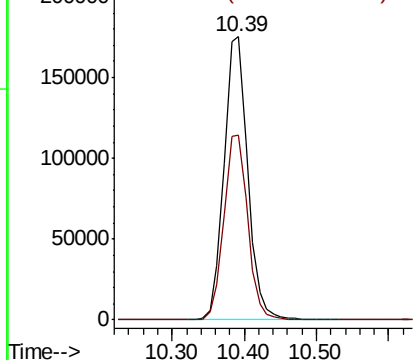


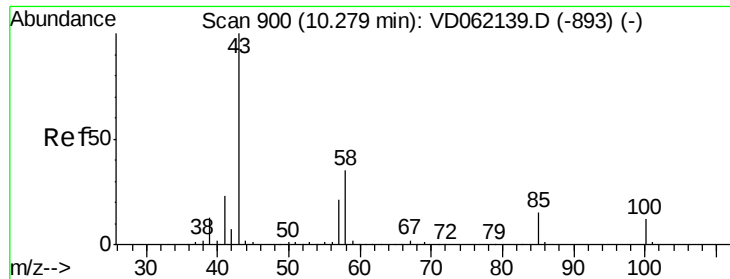
#50
Toluene-d8
Concen: 53.280 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD062180.D
Acq: 8 May 2019 18:02

Tgt Ion: 98 Resp: 399011
Ion Ratio Lower Upper
98 100
100 65.4 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: 1.390 ug/l

RT: 10.38 min Scan# 910

Delta R.T. 0.10 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

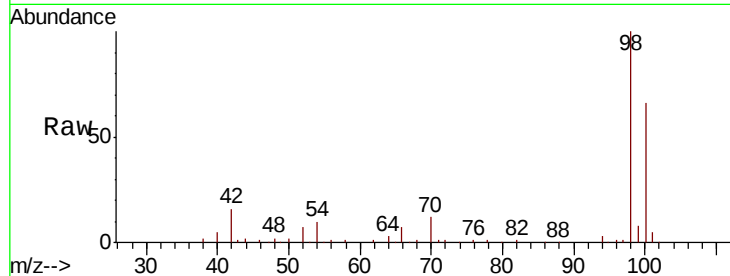
P026-SS002-0612-01

Tot Ion: 43 Resp: 1650

Ion Ratio Lower Upper

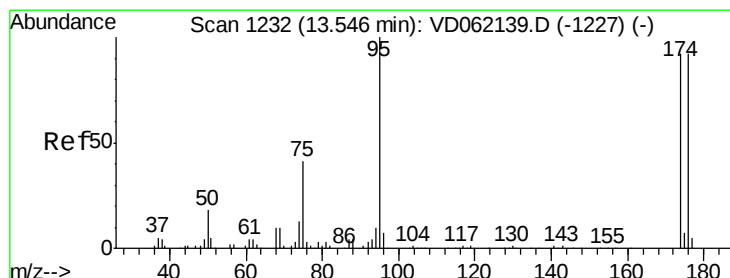
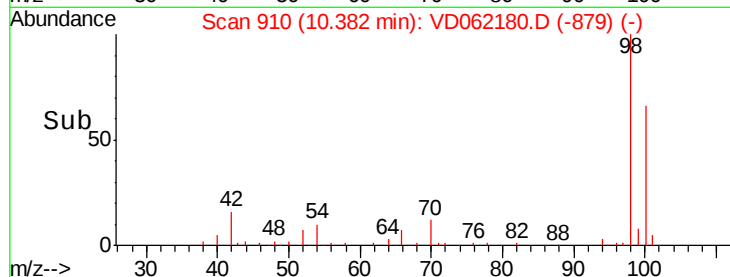
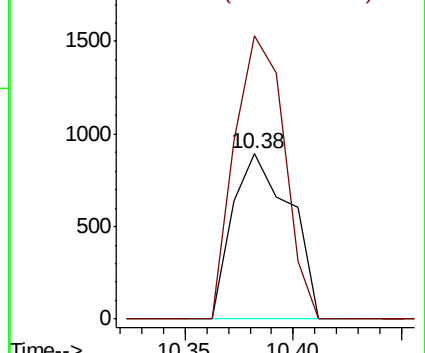
43 100

58 171.4 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: 39.918 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

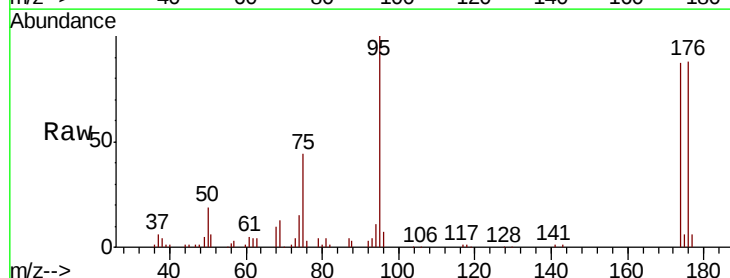
Tgt Ion: 95 Resp: 120046

Ion Ratio Lower Upper

95 100

174 86.7 0.0 181.8

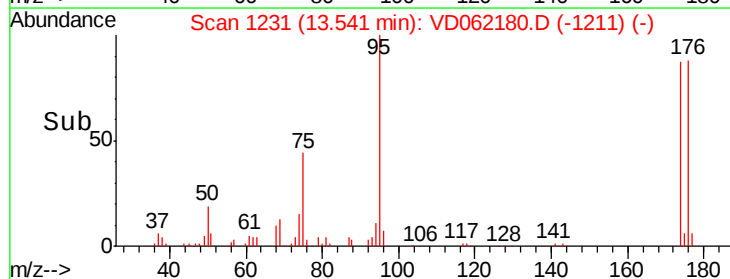
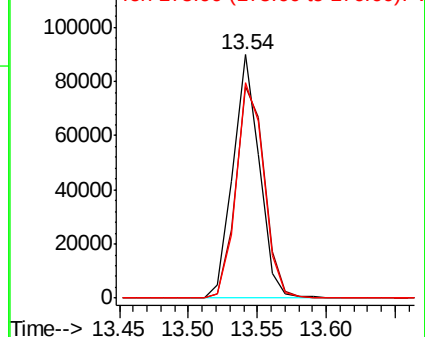
176 88.3 0.0 174.4

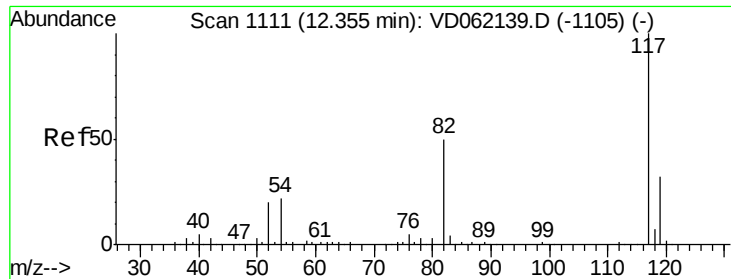


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

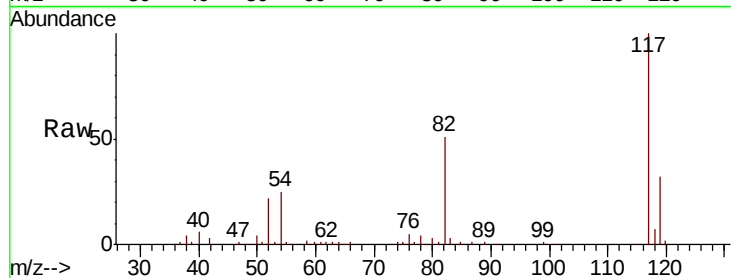




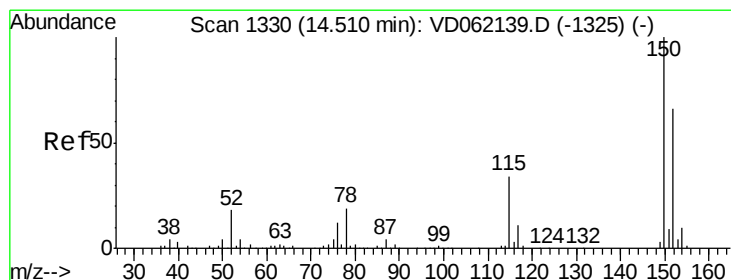
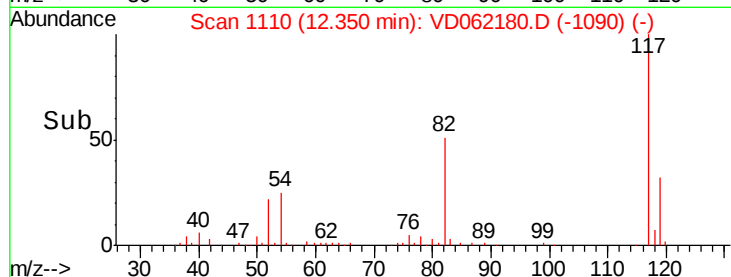
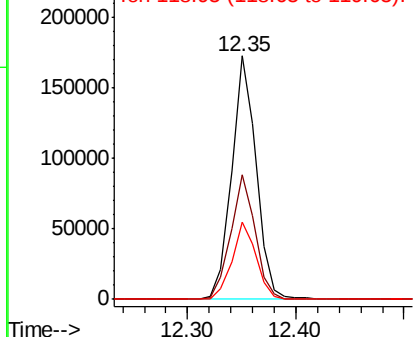
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD062180.D
Acq: 8 May 2019 18:02

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-0612-01

Tot Ion:117 Resp: 272759
Ion Ratio Lower Upper
117 100
82 51.4 36.2 54.2
119 31.7 26.2 39.4

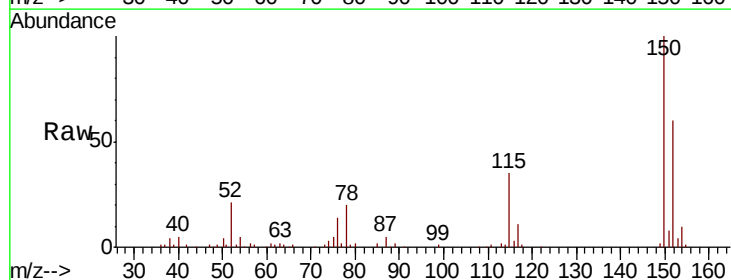


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

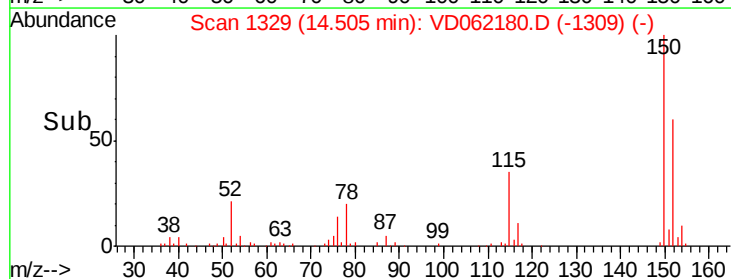
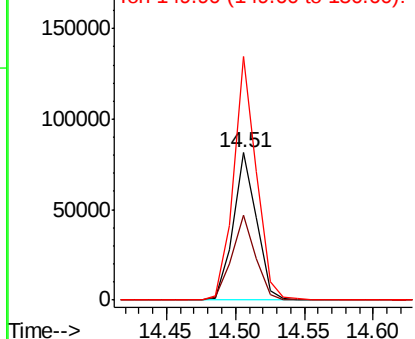


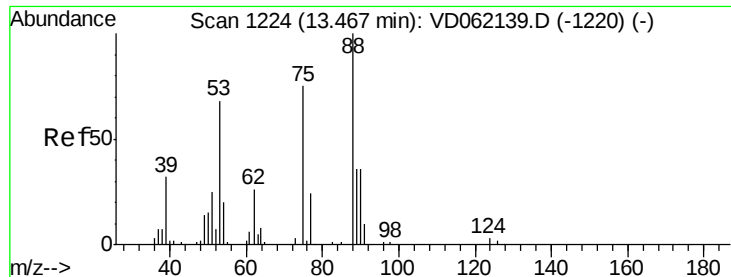
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD062180.D
Acq: 8 May 2019 18:02

Tgt Ion:152 Resp: 95880
Ion Ratio Lower Upper
152 100
115 57.6 30.9 92.7
150 165.4 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





#81

trans-1,4-Dichloro-2-butene

Concen: 161.446 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062180.D

Acq: 8 May 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-0612-01

Tot Ion: 75 Resp: 51933

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

