

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062181.D
 Acq On : 8 May 2019 18:31
 Operator : FY/SY
 Sample : K2717-09
 Misc : 5.63g/5mL/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01

Quant Time: May 09 01:26:10 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	103624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	254243	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	253372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	103660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	250387	260.01	ug/l	0.00
Spiked Amount			Recovery	=	520.02%	
35) Dibromofluoromethane	6.89	113	205886	97.60	ug/l	0.00
Spiked Amount			Recovery	=	195.20%	
50) Toluene-d8	10.39	98	270216	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
62) 4-Bromofluorobenzene	13.55	95	136013	66.59	ug/l	0.00
Spiked Amount			Recovery	=	133.18%	

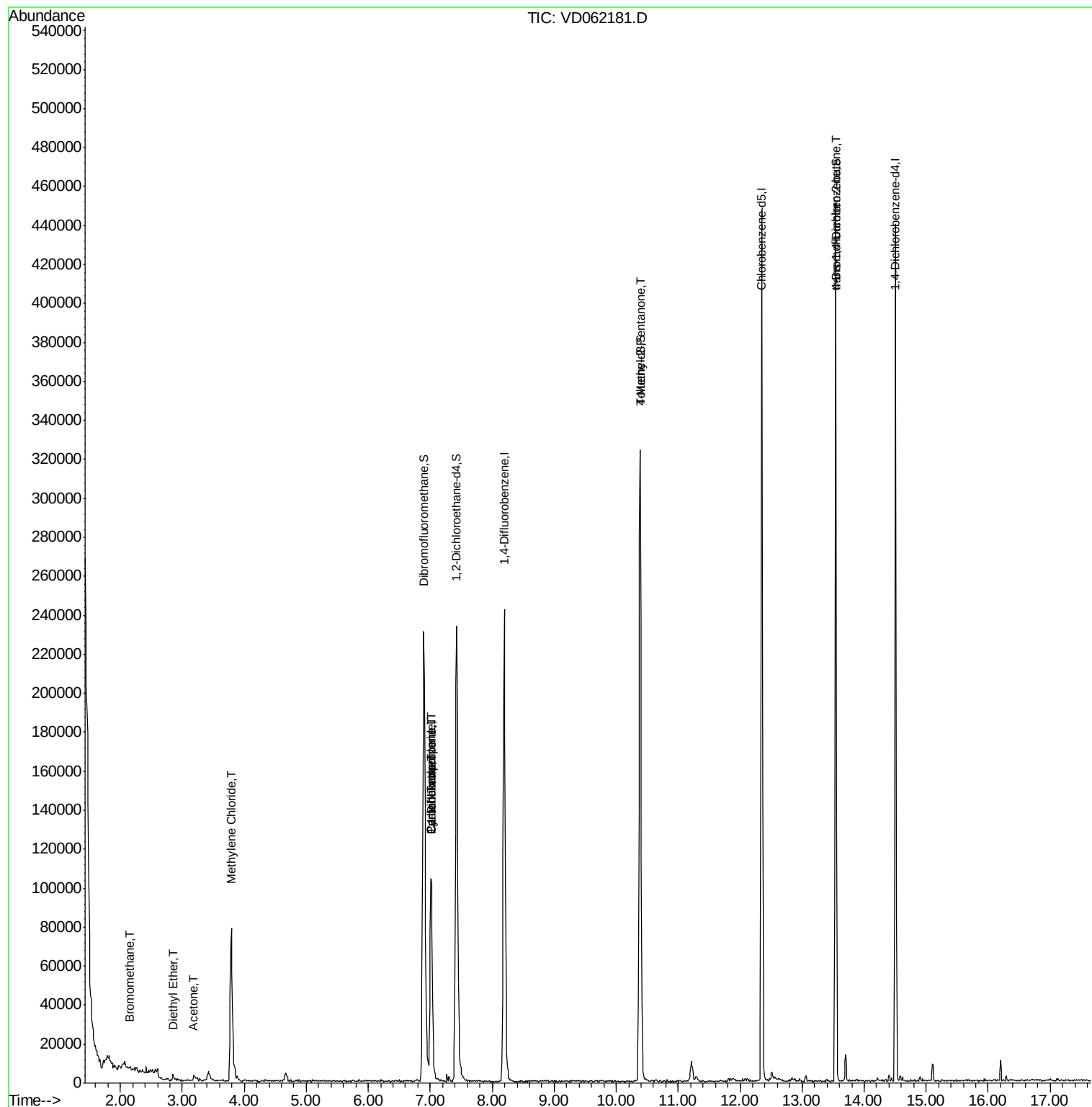
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	2221	13.468	ug/l #	12
8) Diethyl Ether	2.85	74	768	2.910	ug/l #	25
16) Acetone	3.19	43	4793	23.734	ug/l #	50
20) Methylene Chloride	3.79	84	52174	61.875	ug/l #	96
31) Cyclohexane	7.01	56	2200	2.177	ug/l #	18
36) 1,1-Dichloropropene	7.01	75	7860	3.771	ug/l #	40
38) Carbon Tetrachloride	7.02	117	9894	3.429	ug/l #	12
51) 4-Methyl-2-Pentanone	10.39	43	1084	1.345	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	56977	163.832	ug/l #	16

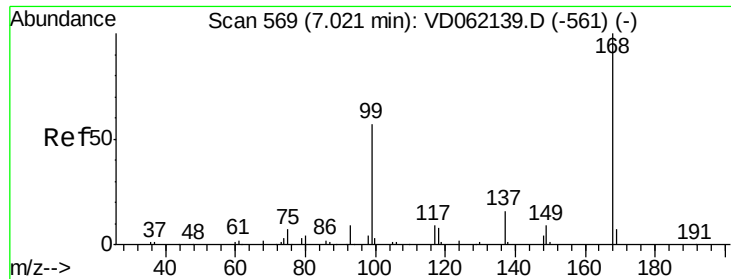
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 09 01:26:10 2019
Quant Method : Z:\V0ASRV\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: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062181.D

Acq: 8 May 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

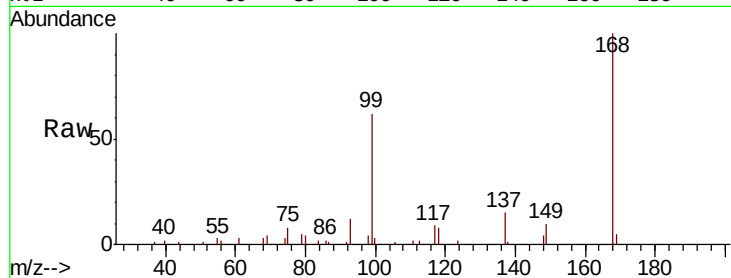
P026-SS002-1218-01

Tot Ion:168 Resp: 103624

Ion Ratio Lower Upper

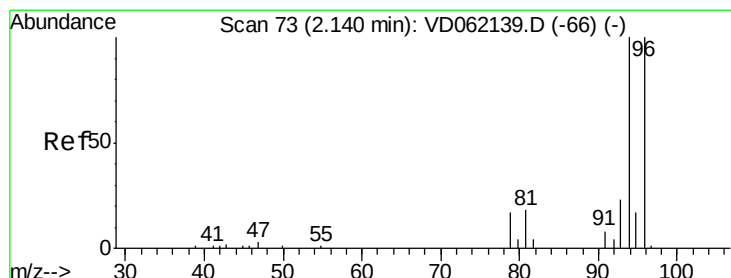
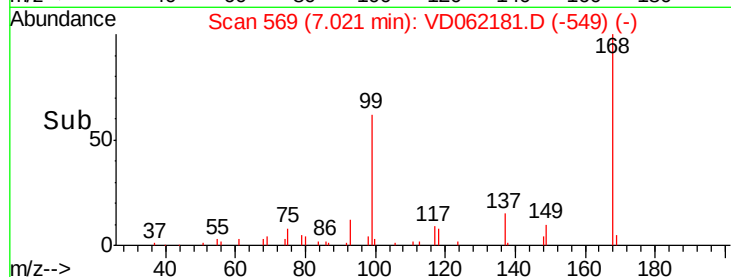
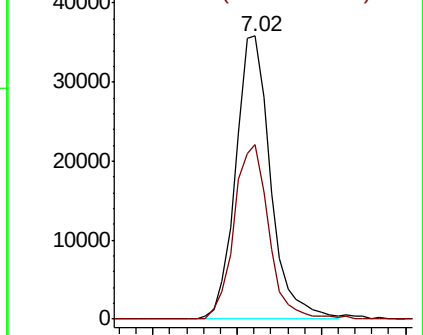
168 100

99 61.8 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: 13.468 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062181.D

Acq: 8 May 2019 18:31

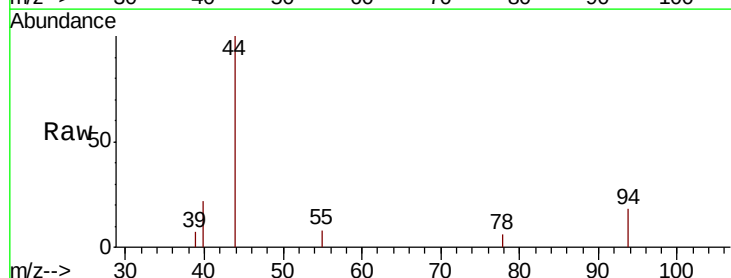
Tgt Ion: 94 Resp: 2221

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

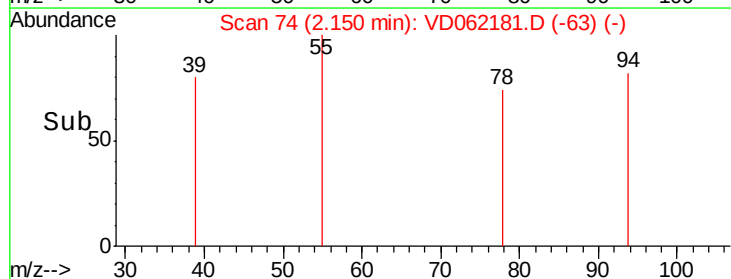
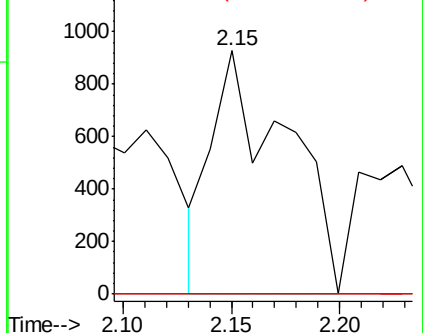
93 0.0 18.5 27.7#

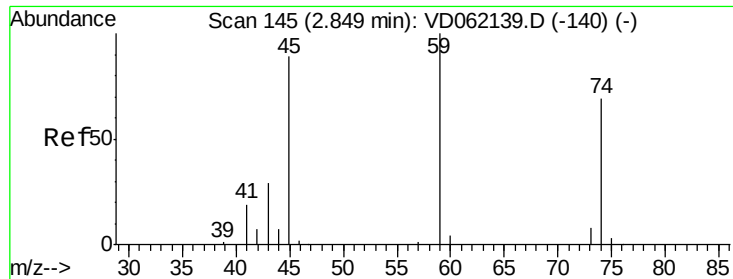


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 2.910 ug/l

RT: 2.85 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD062181.D

Acq: 8 May 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

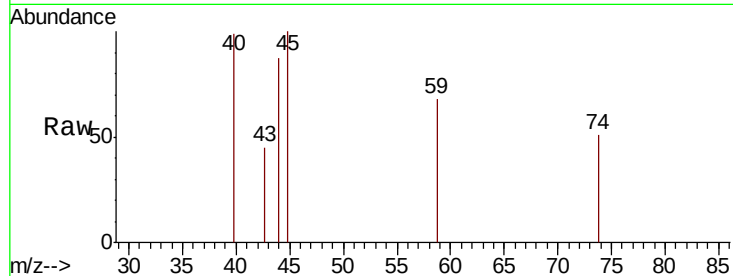
P026-SS002-1218-01

Tot Ion: 74 Resp: 768

Ion Ratio Lower Upper

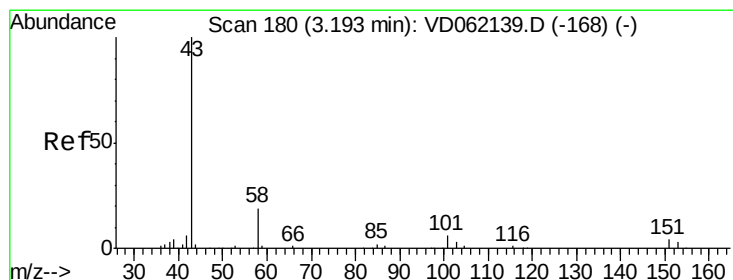
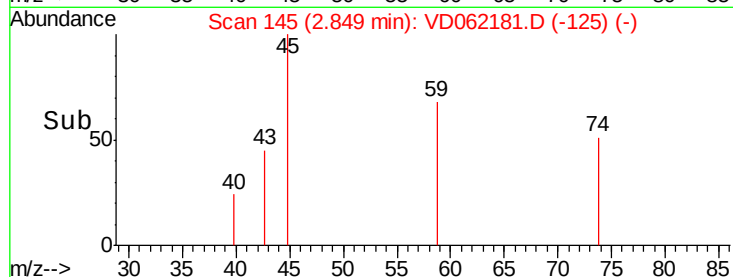
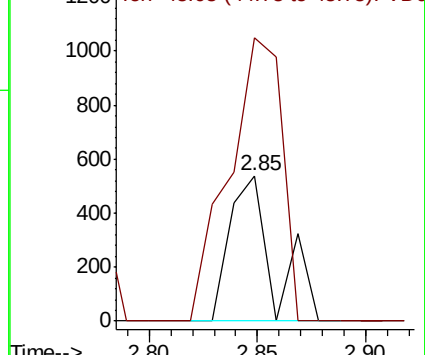
74 100

45 194.4 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: 23.734 ug/l

RT: 3.19 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD062181.D

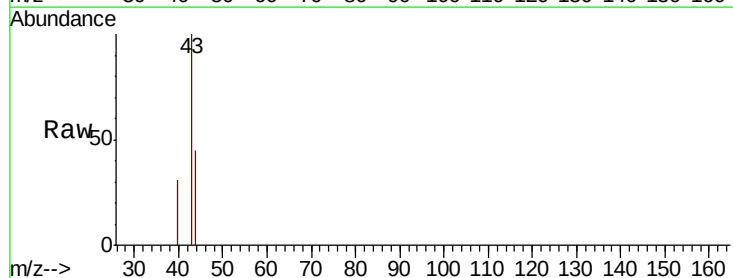
Acq: 8 May 2019 18:31

Tgt Ion: 43 Resp: 4793

Ion Ratio Lower Upper

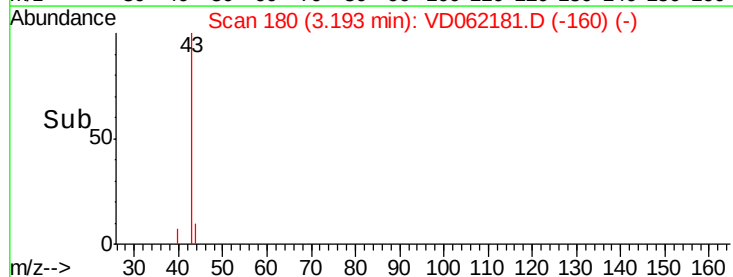
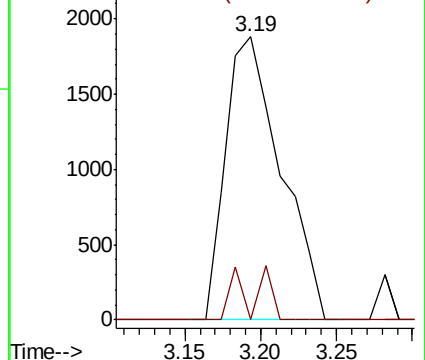
43 100

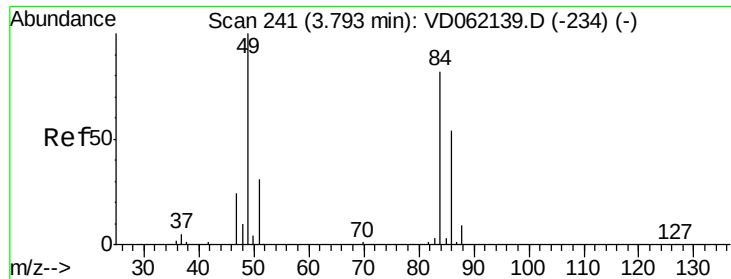
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

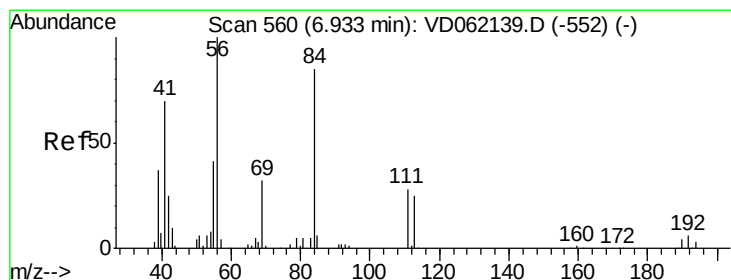
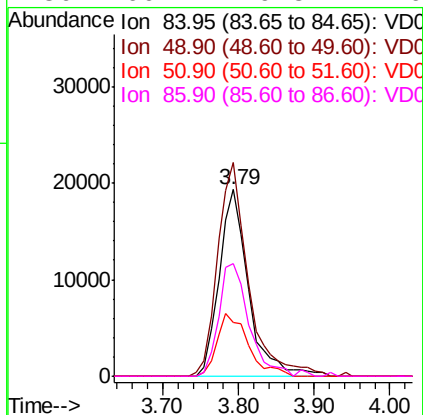
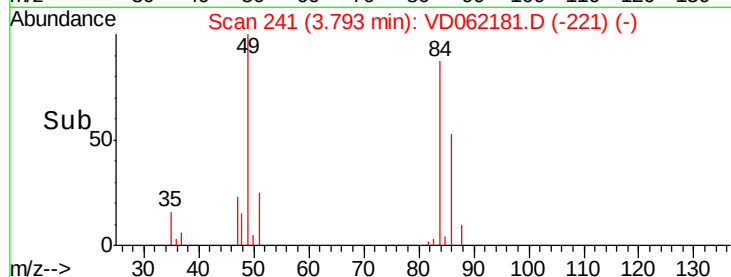
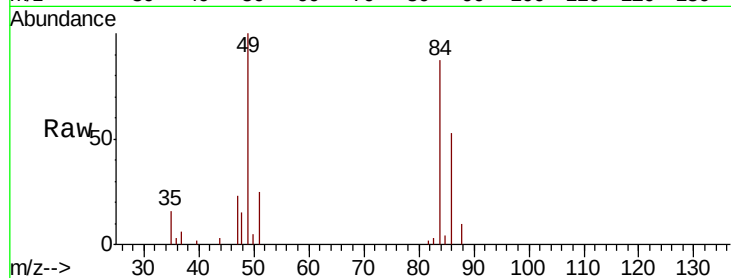




#20
Methylene Chloride
Concen: 61.875 ug/l
RT: 3.79 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD062181.D
Acq: 8 May 2019 18:31

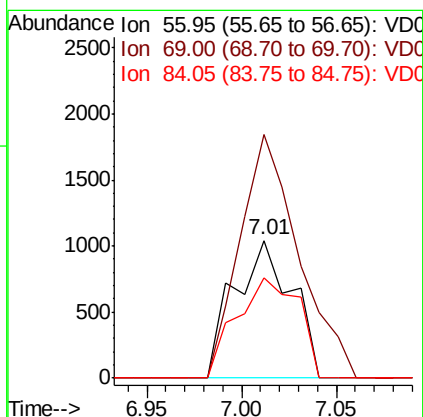
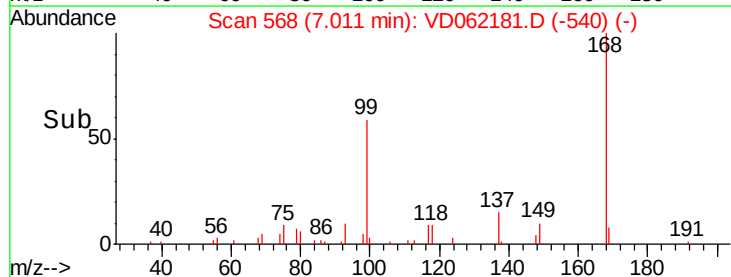
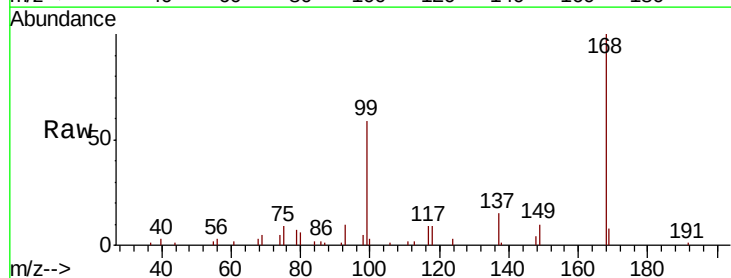
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01

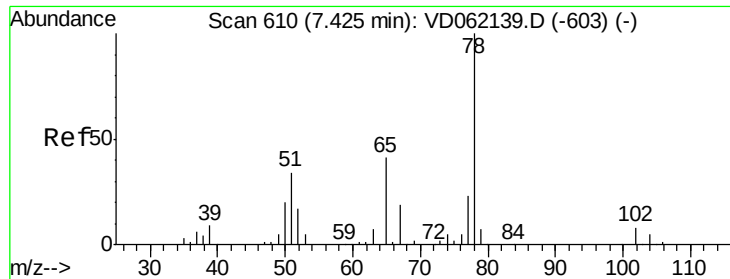
Tot Ion: 84 Resp: 52174
Ion Ratio Lower Upper
84 100
49 114.6 94.0 141.0
51 28.9 29.0 43.4#
86 60.4 49.8 74.6



#31
Cyclohexane
Concen: 2.177 ug/l
RT: 7.01 min Scan# 568
Delta R.T. 0.08 min
Lab File: VD062181.D
Acq: 8 May 2019 18:31

Tgt Ion: 56 Resp: 2200
Ion Ratio Lower Upper
56 100
69 177.2 25.8 38.6#
84 73.1 72.2 108.4

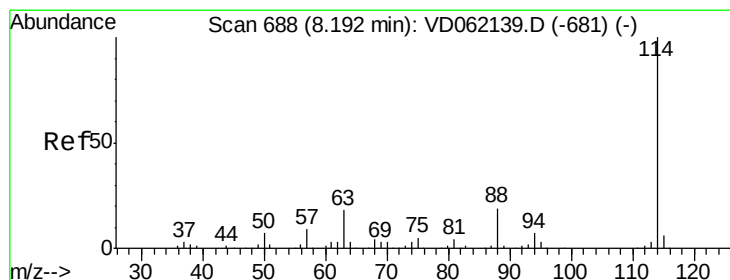
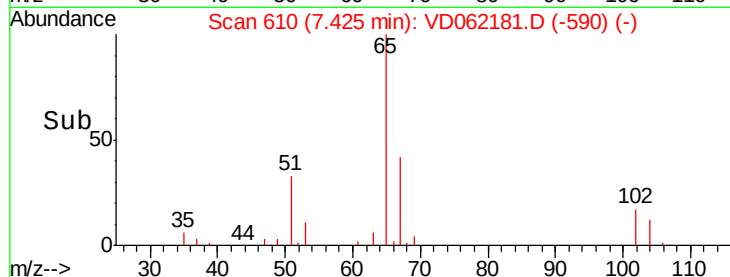
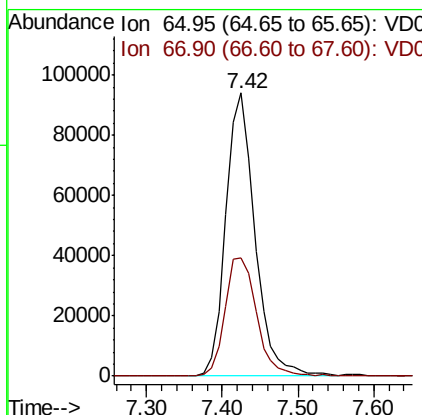
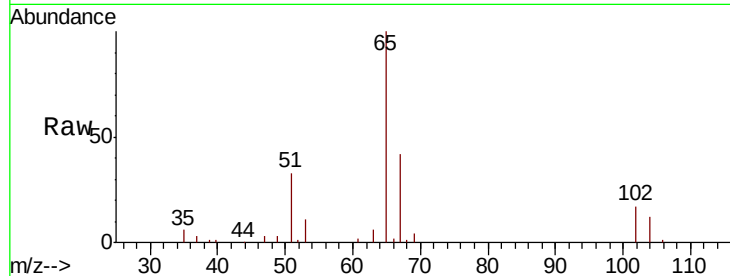




#33
 1,2-Dichloroethane-d4
 Concen: 260.010 ug/l
 RT: 7.42 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD062181.D
 Acq: 8 May 2019 18:31

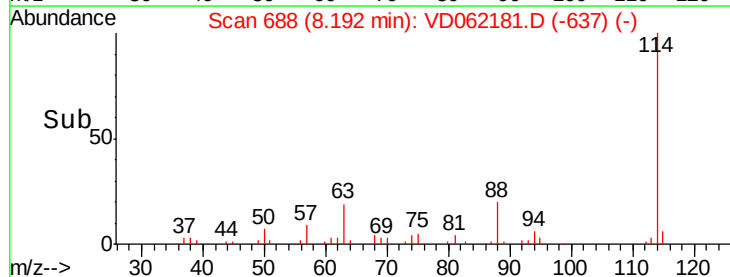
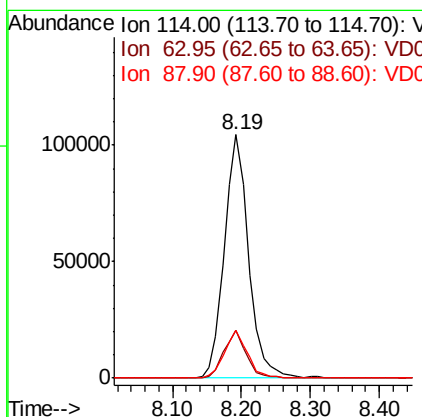
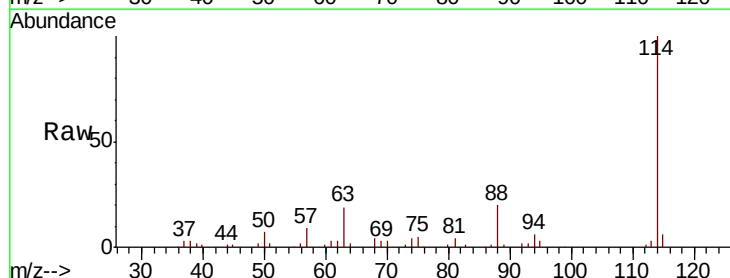
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01

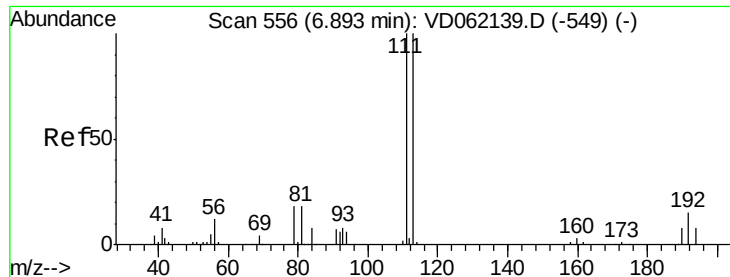
Tot Ion: 65 Resp: 250387
 Ion Ratio Lower Upper
 65 100
 67 41.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD062181.D
 Acq: 8 May 2019 18:31

Tgt Ion: 114 Resp: 254243
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 32.4
 88 19.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 97.600 ug/l

RT: 6.89 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD062181.D

Acq: 8 May 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01

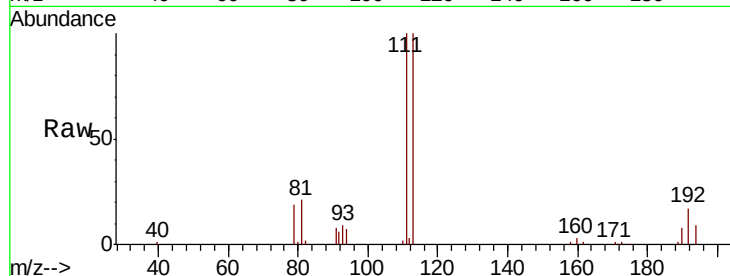
Tot Ion:113 Resp: 205886

Ion Ratio Lower Upper

113 100

111 100.3 78.5 117.7

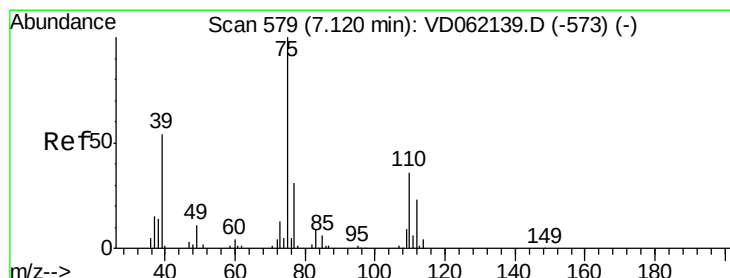
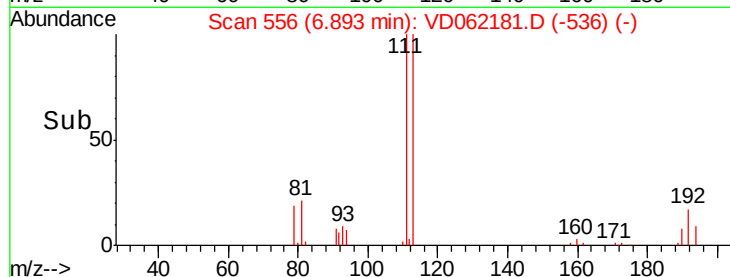
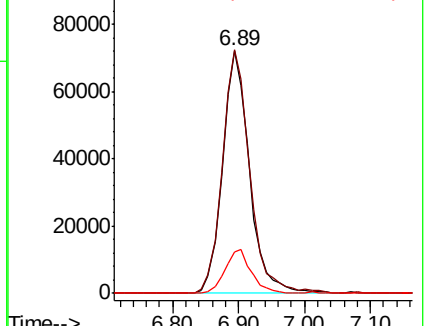
192 17.1 13.0 19.4



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: 3.771 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD062181.D

Acq: 8 May 2019 18:31

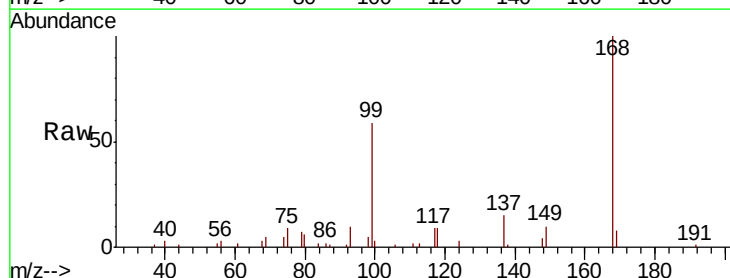
Tgt Ion: 75 Resp: 7860

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

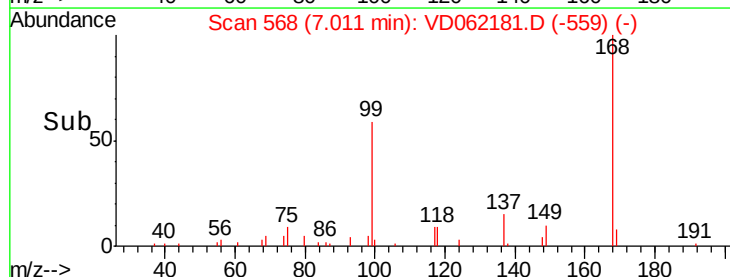
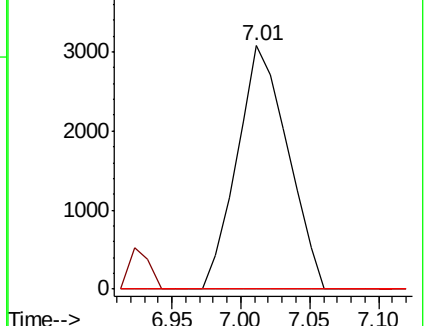
77 0.0 25.6 38.4#

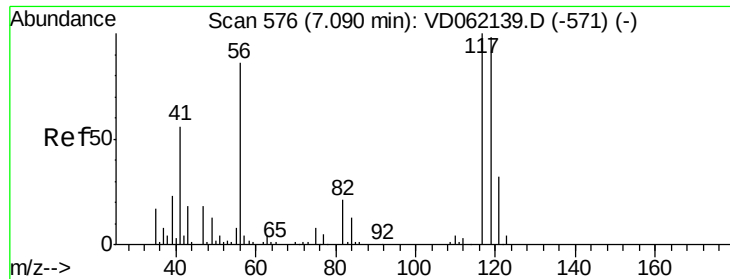


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

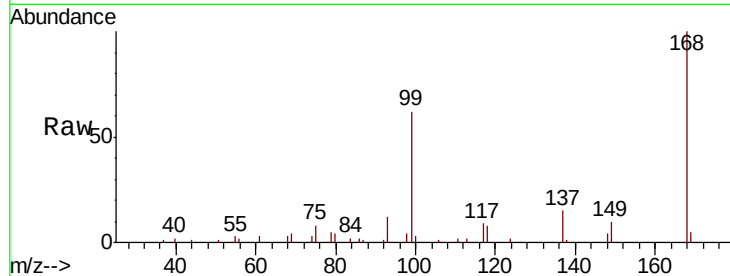




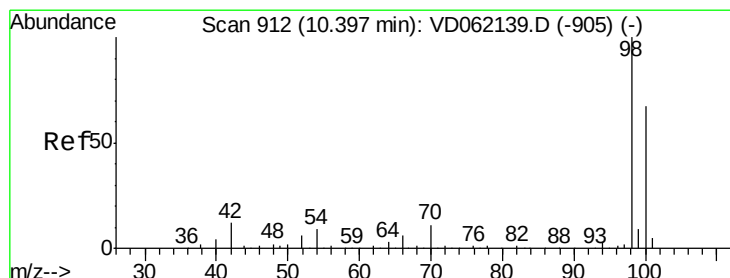
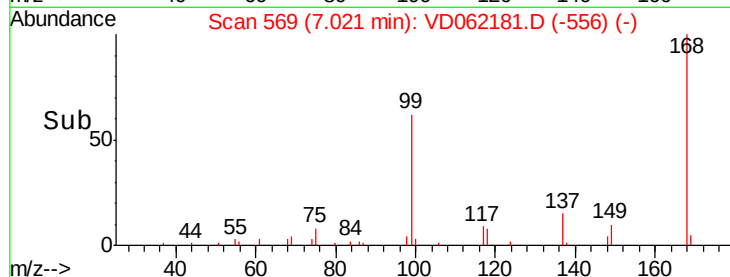
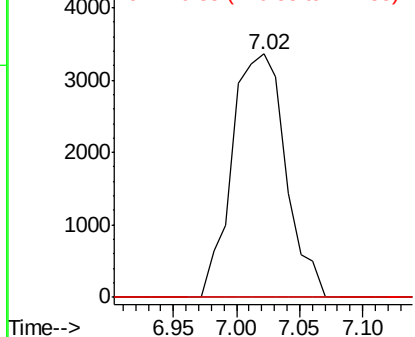
#38
Carbon Tetrachloride
Concen: 3.429 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD062181.D
Acq: 8 May 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01

Tot Ion:117 Resp: 9894
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

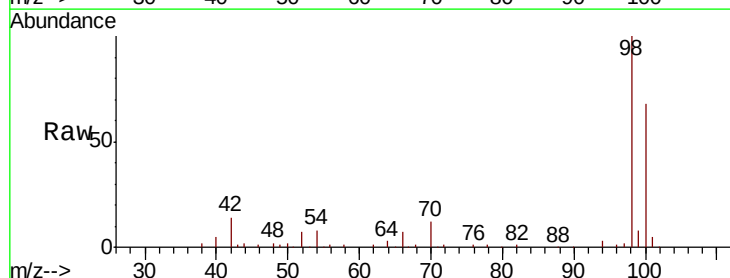


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

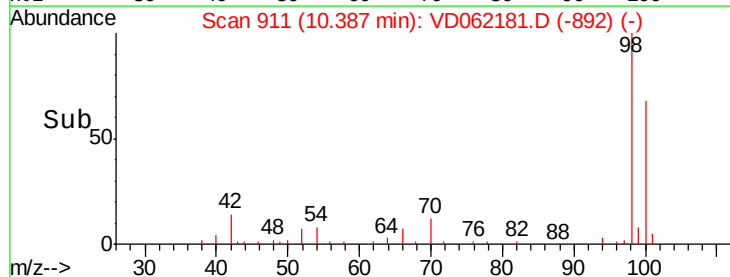
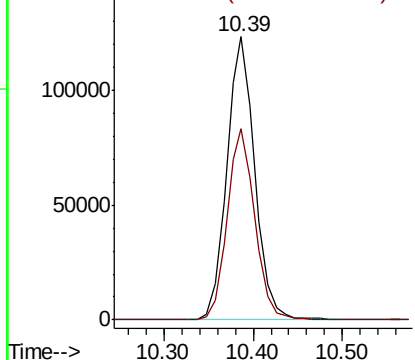


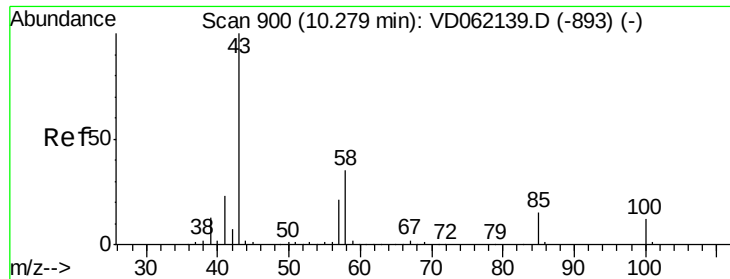
#50
Toluene-d8
Concen: 53.128 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062181.D
Acq: 8 May 2019 18:31

Tgt Ion: 98 Resp: 270216
Ion Ratio Lower Upper
98 100
100 67.7 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: 1.345 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.11 min

Lab File: VD062181.D

Acq: 8 May 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

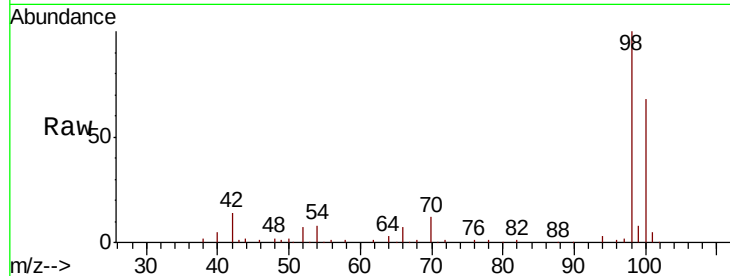
P026-SS002-1218-01

Tot Ion: 43 Resp: 1084

Ion Ratio Lower Upper

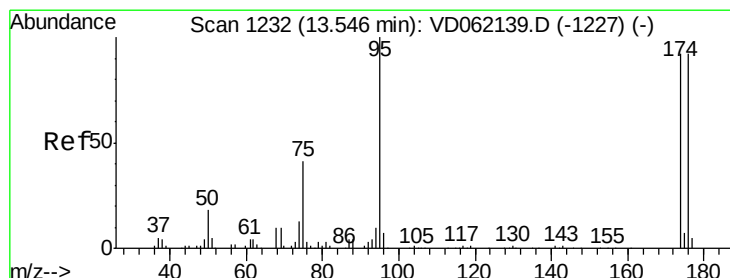
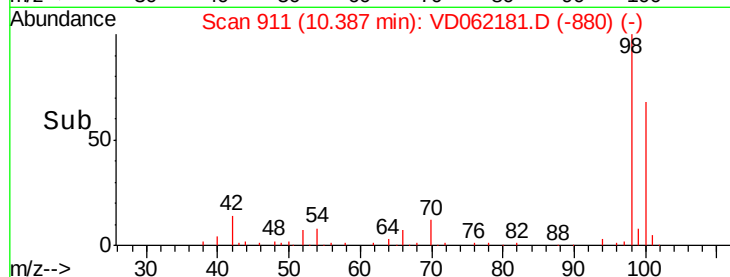
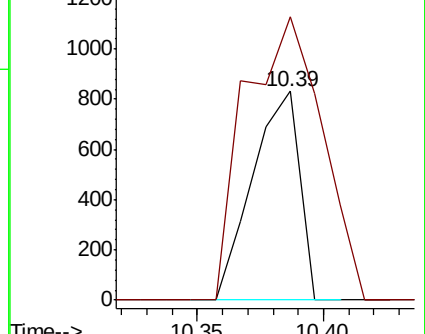
43 100

58 135.5 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: 66.595 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062181.D

Acq: 8 May 2019 18:31

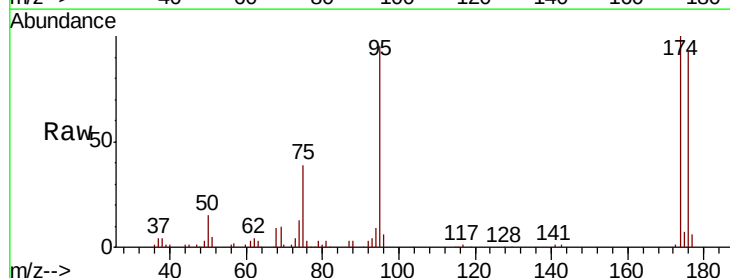
Tgt Ion: 95 Resp: 136013

Ion Ratio Lower Upper

95 100

174 105.4 0.0 181.8

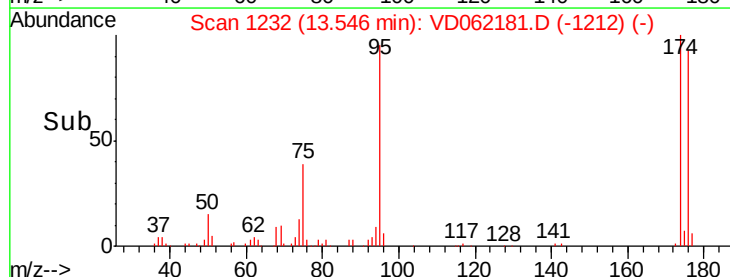
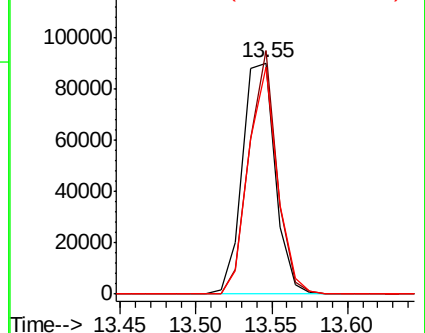
176 98.1 0.0 174.4

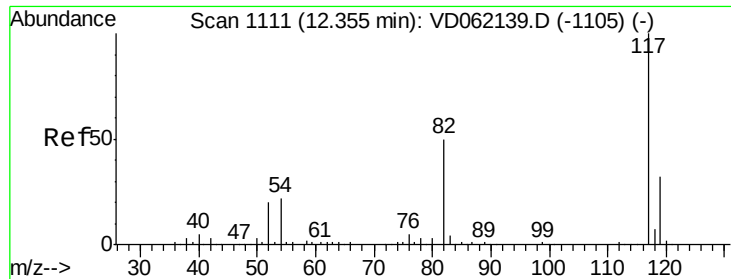


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

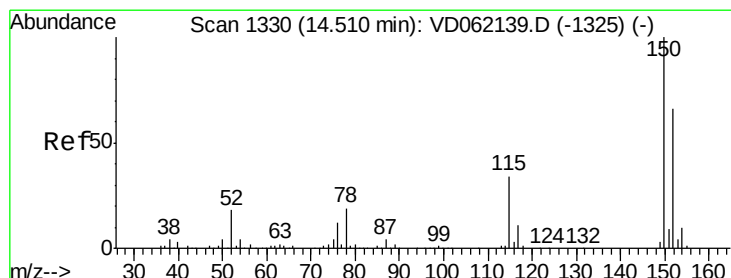
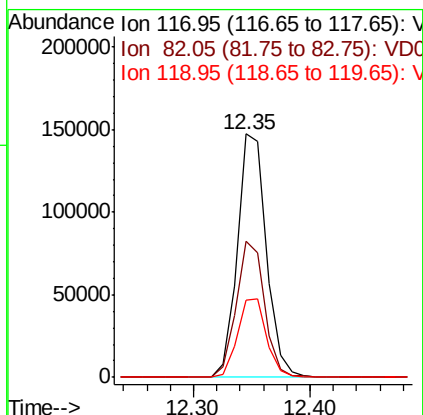
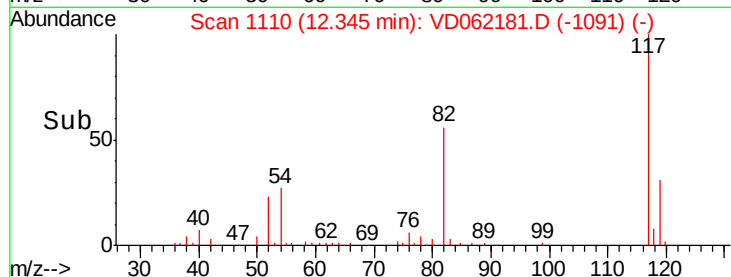
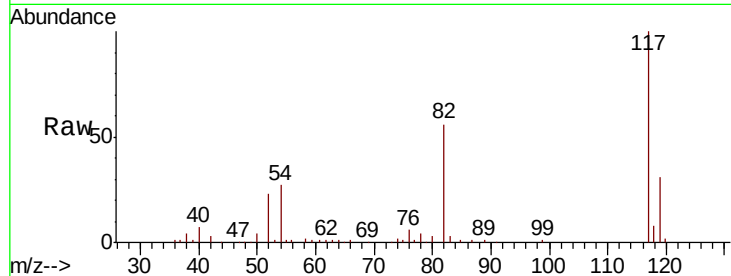




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD062181.D
Acq: 8 May 2019 18:31

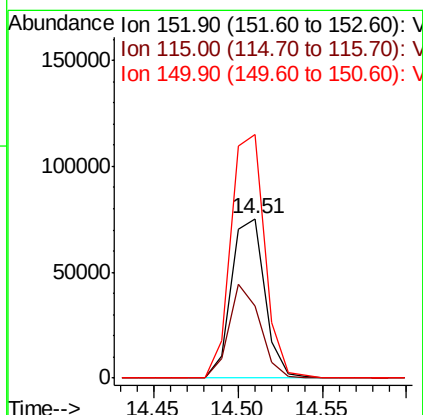
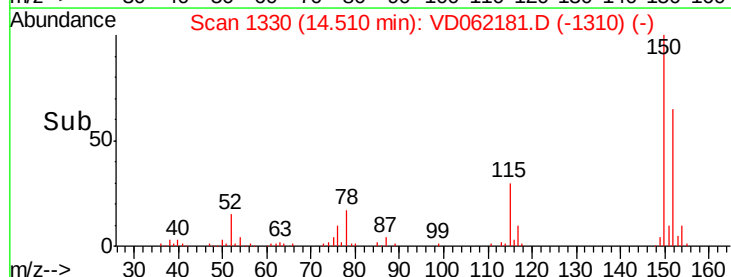
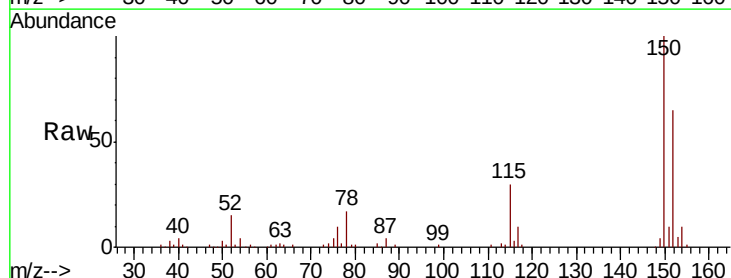
Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01

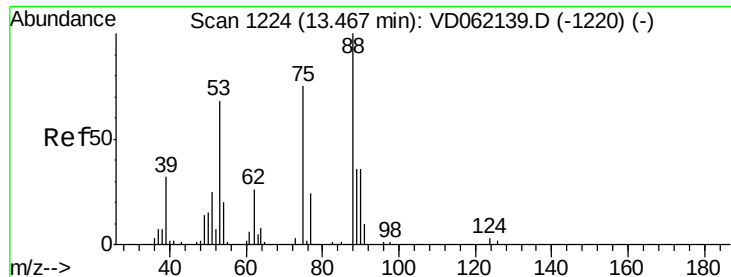
Tot Ion:117 Resp: 253372
Ion Ratio Lower Upper
117 100
82 56.1 36.2 54.2#
119 31.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062181.D
Acq: 8 May 2019 18:31

Tgt Ion:152 Resp: 103660
Ion Ratio Lower Upper
152 100
115 45.7 30.9 92.7
150 153.0 0.0 314.8





#81

trans-1,4-Dichloro-2-butene

Concen: 163.832 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062181.D

Acq: 8 May 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01

Tot Ion: 75 Resp: 56977

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

