

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062317.D
 Acq On : 13 May 2019 20:58
 Operator : FY/SY
 Sample : K2756-12
 Misc : 5.79g/5mL/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS007-0206-01

Quant Time: May 14 05:12:53 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	505394	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	647619	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	459400	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	180394	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	231583	49.31	ug/l	0.05
Spiked Amount			Recovery	=	98.62%	
35) Dibromofluoromethane	6.94	113	258882	48.18	ug/l	0.05
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	10.43	98	490907	37.89	ug/l	0.03
Spiked Amount			Recovery	=	75.78%	
62) 4-Bromofluorobenzene	13.56	95	155134	29.82	ug/l	0.01
Spiked Amount			Recovery	=	59.64%	

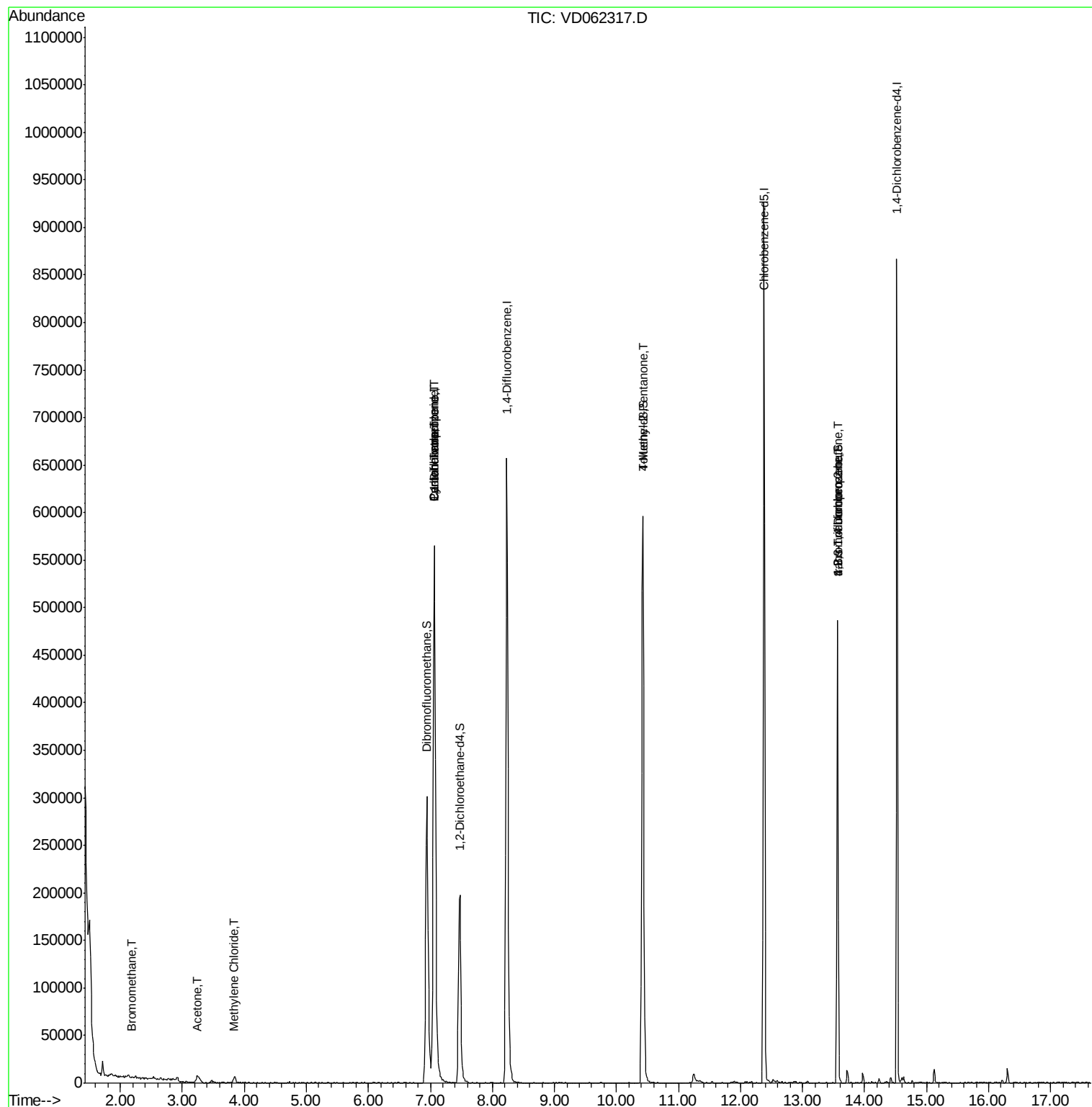
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	1543	1.918	ug/l #	12
16) Acetone	3.23	43	15598	15.836	ug/l #	80
20) Methylene Chloride	3.84	84	4604	1.120	ug/l	97
31) Cyclohexane	7.06	56	11599	2.354	ug/l #	8
36) 1,1-Dichloropropene	7.06	75	42522	8.008	ug/l #	47
38) Carbon Tetrachloride	7.06	117	55381	7.536	ug/l #	17
51) 4-Methyl-2-Pentanone	10.43	43	3090	1.505	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	60431	28.188	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	69042	114.078	ug/l #	16

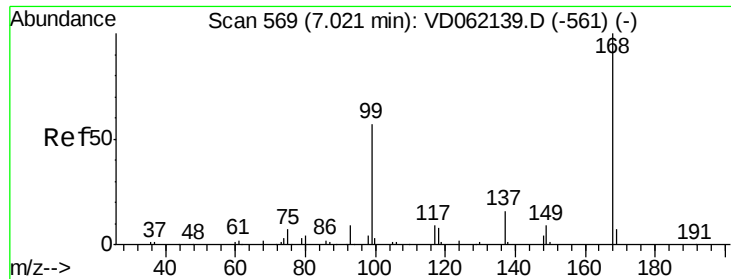
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051319\
Data File : VD062317.D
Acq On : 13 May 2019 20:58
Operator : FY/SY
Sample : K2756-12
Misc : 5.79g/5mL/MSVOA D/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0206-01

Quant Time: May 14 05:12:53 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: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062317.D

Acq: 13 May 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

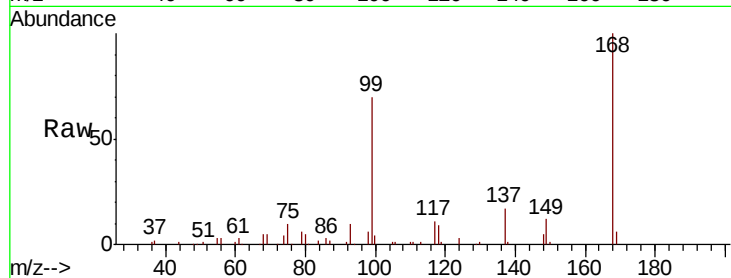
P021-SS007-0206-01

Tot Ion:168 Resp: 505394

Ion Ratio Lower Upper

168 100

99 70.0 46.5 69.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

200000

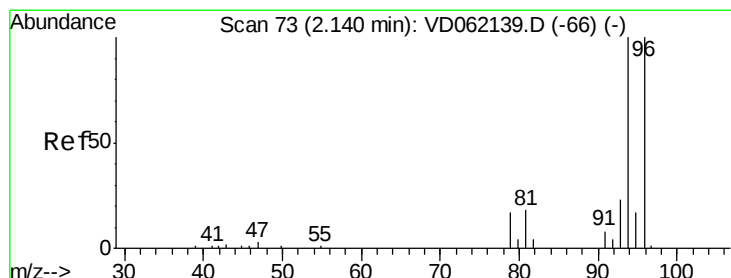
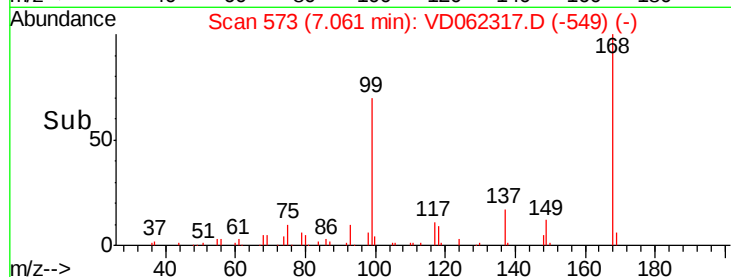
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.918 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.05 min

Lab File: VD062317.D

Acq: 13 May 2019 20:58

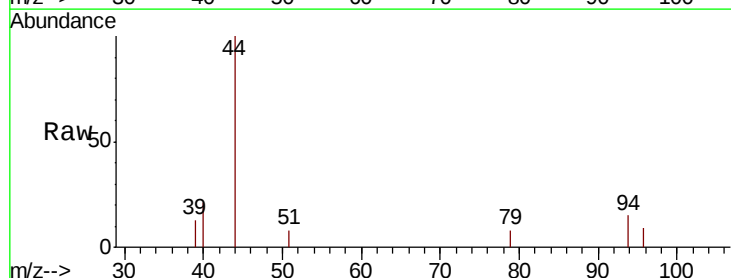
Tgt Ion: 94 Resp: 1543

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

800

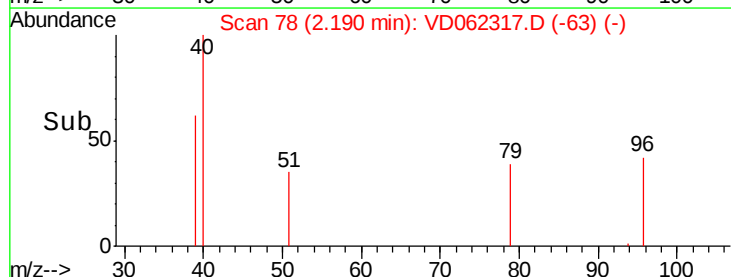
600

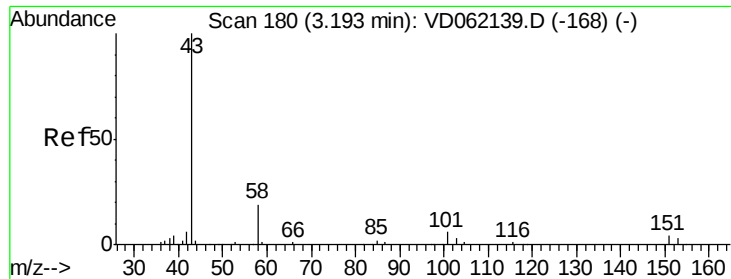
400

200

0

Time--> 2.15 2.20





#16

Acetone

Concen: 15.836 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062317.D

Acq: 13 May 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

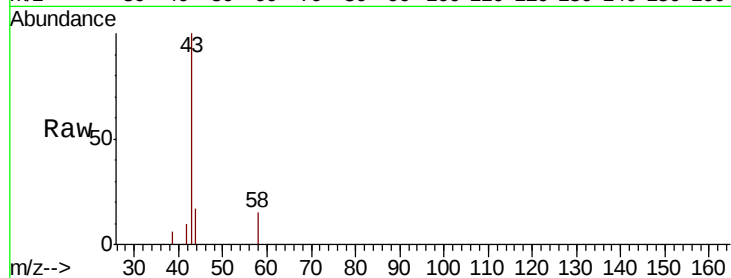
P021-SS007-0206-01

Tot Ion: 43 Resp: 15598

Ion Ratio Lower Upper

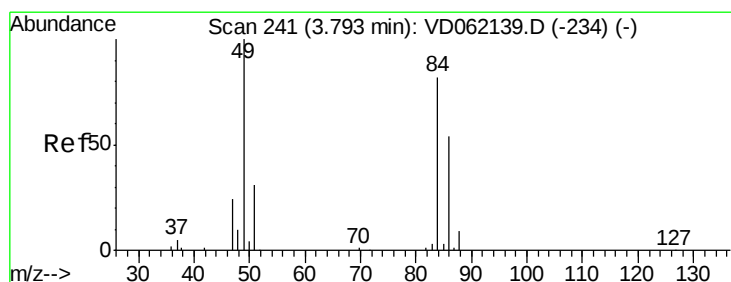
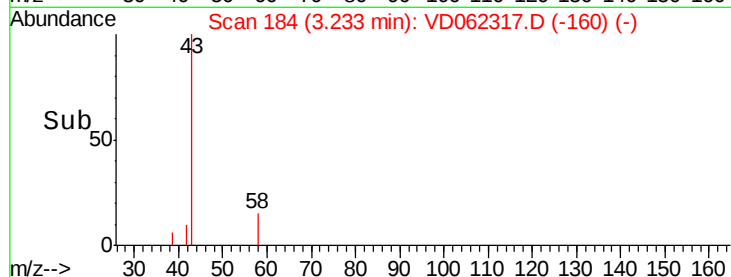
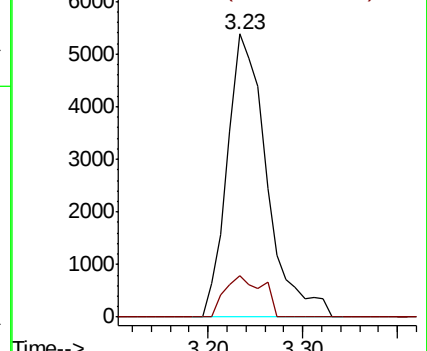
43 100

58 14.8 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: 1.120 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.05 min

Lab File: VD062317.D

Acq: 13 May 2019 20:58

Tgt Ion: 84 Resp: 4604

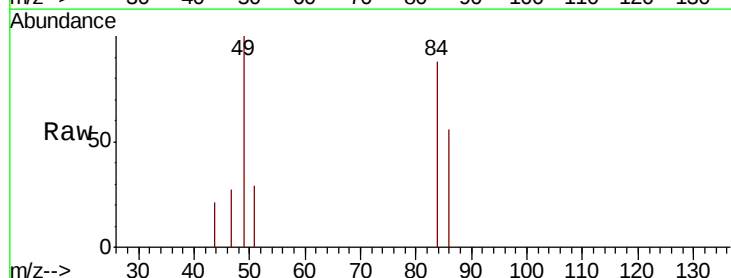
Ion Ratio Lower Upper

84 100

49 114.0 94.0 141.0

51 33.3 29.0 43.4

86 63.4 49.8 74.6

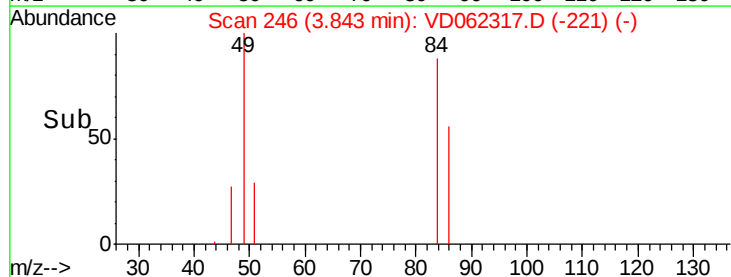
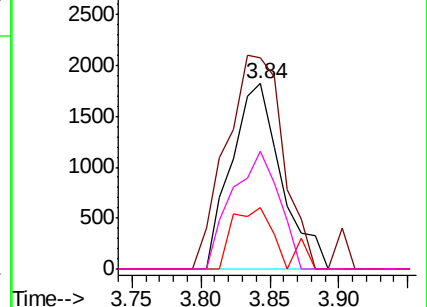


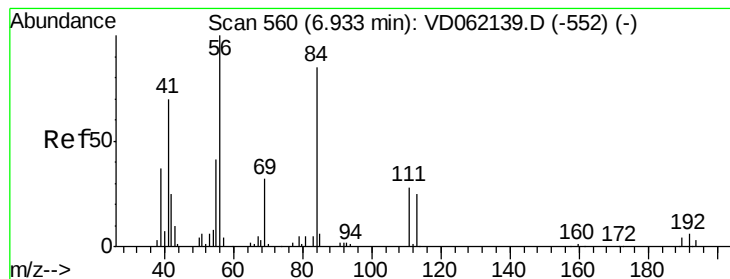
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.354 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062317.D

Acq: 13 May 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

P021-SS007-0206-01

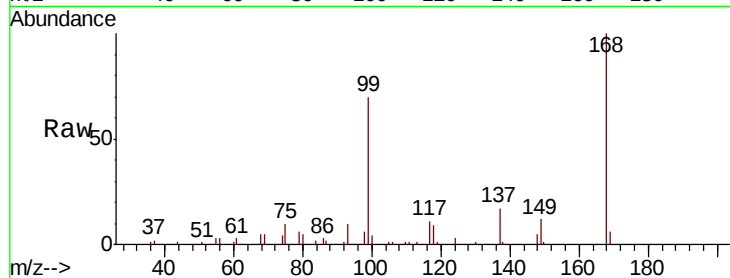
Tot Ion: 56 Resp: 11599

Ion Ratio Lower Upper

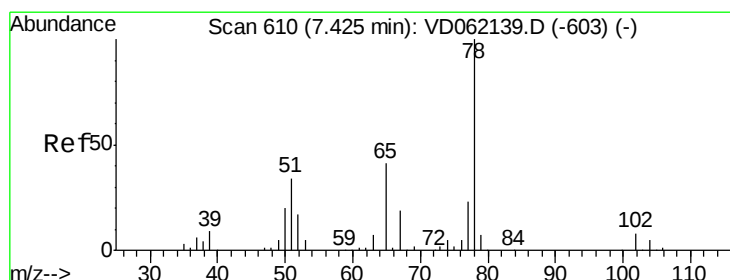
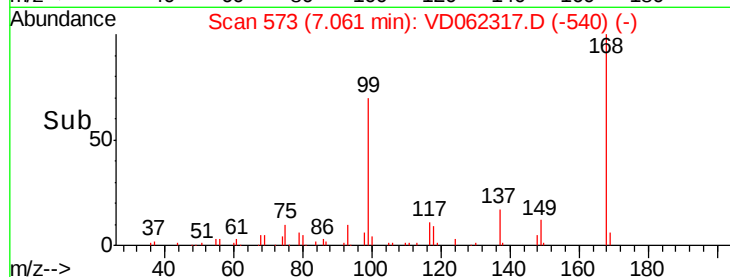
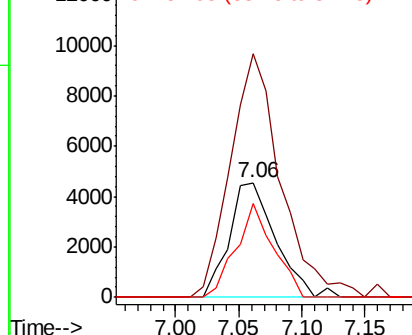
56 100

69 212.7 25.8 38.6#

84 81.8 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: 49.308 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062317.D

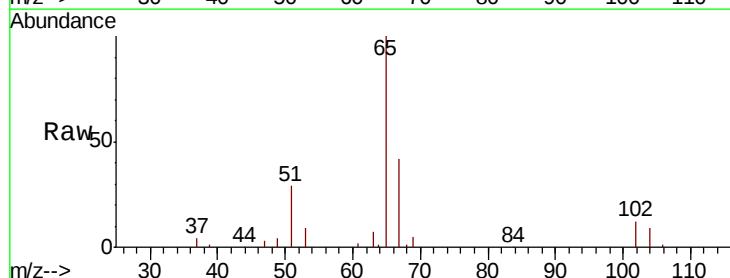
Acq: 13 May 2019 20:58

Tgt Ion: 65 Resp: 231583

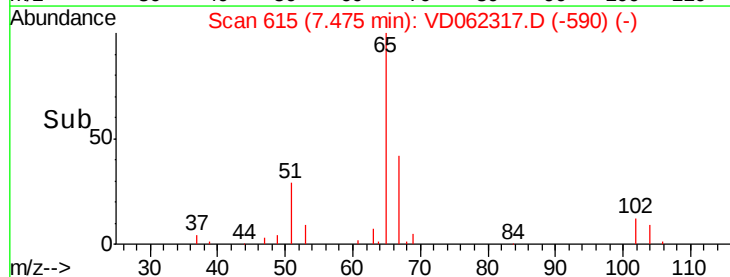
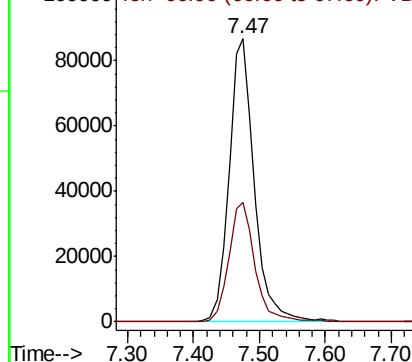
Ion Ratio Lower Upper

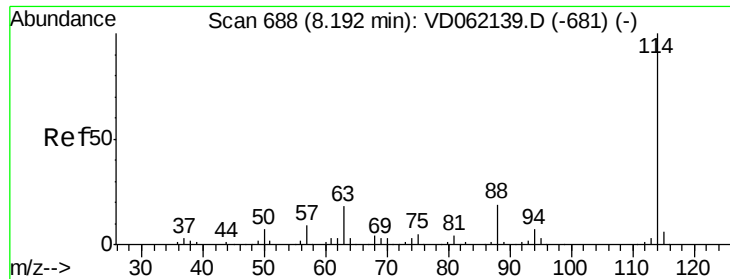
65 100

67 42.2 0.0 98.0



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

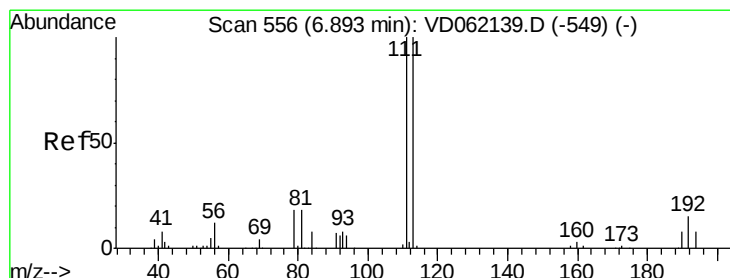
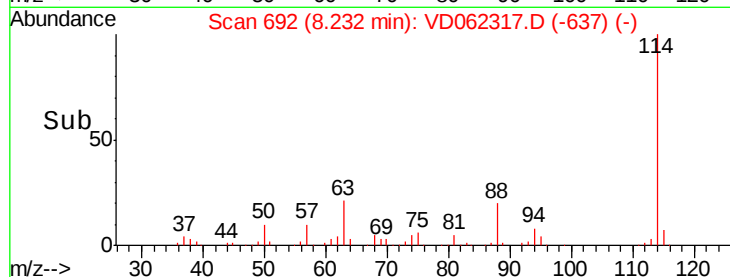
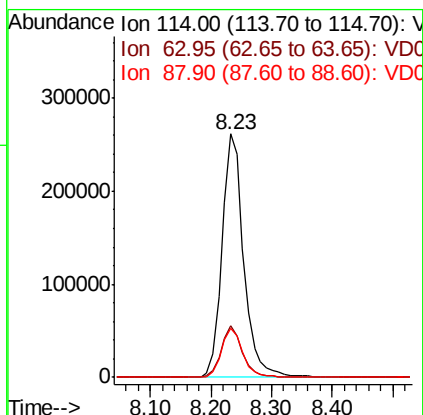
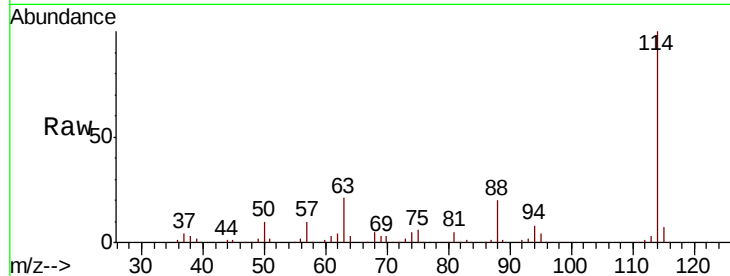




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062317.D
 Acq: 13 May 2019 20:58

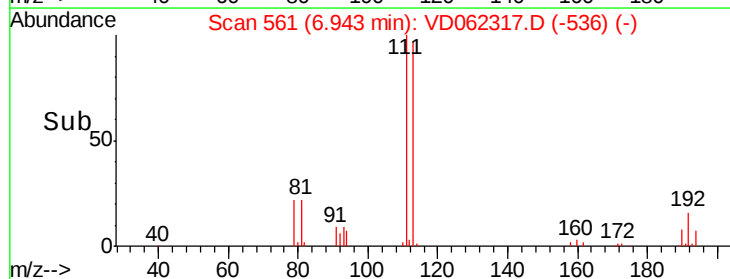
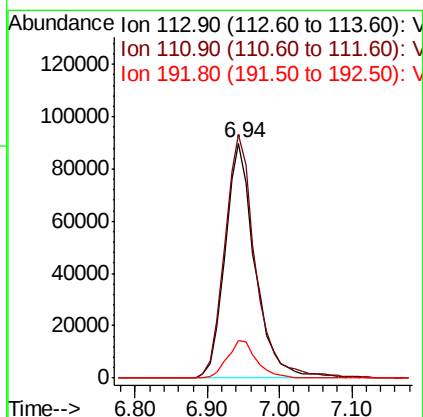
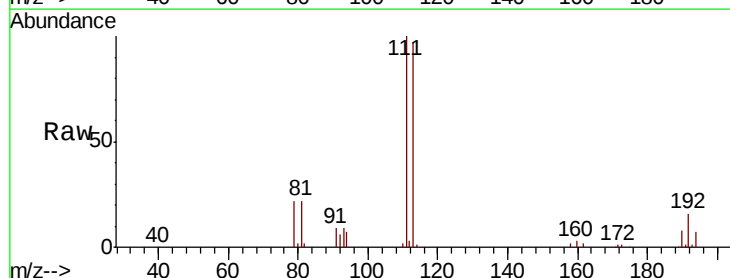
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS007-0206-01

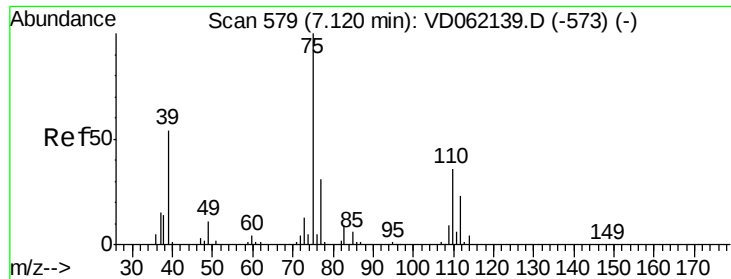
Tot Ion:114 Resp: 647619
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 32.4
 88 20.0 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 48.179 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062317.D
 Acq: 13 May 2019 20:58

Tgt Ion:113 Resp: 258882
 Ion Ratio Lower Upper
 113 100
 111 103.6 78.5 117.7
 192 16.2 13.0 19.4





#36

1,1-Dichloropropene

Concen: 8.008 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062317.D

Acq: 13 May 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

P021-SS007-0206-01

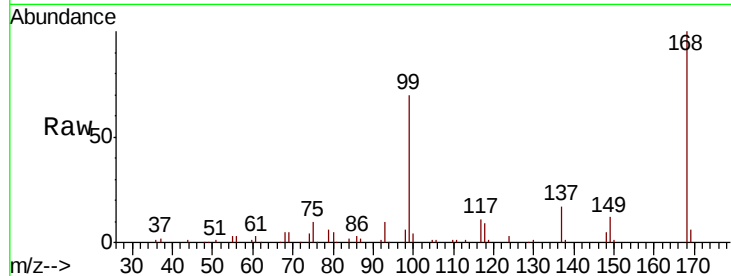
Tot Ion: 75 Resp: 42522

Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.1#

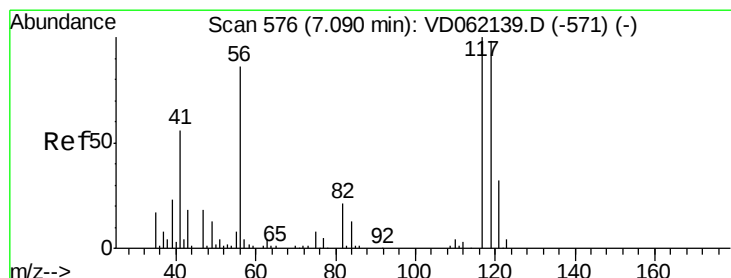
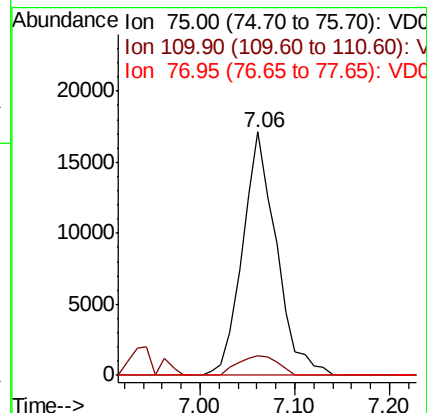
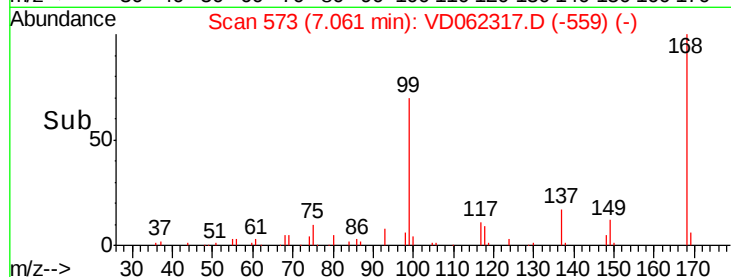
77 0.0 25.6 38.4#



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: 7.536 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062317.D

Acq: 13 May 2019 20:58

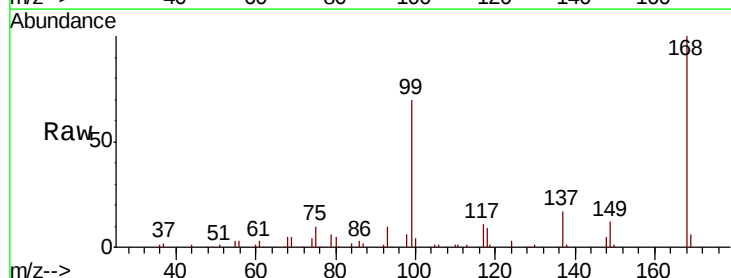
Tgt Ion: 117 Resp: 55381

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.8#

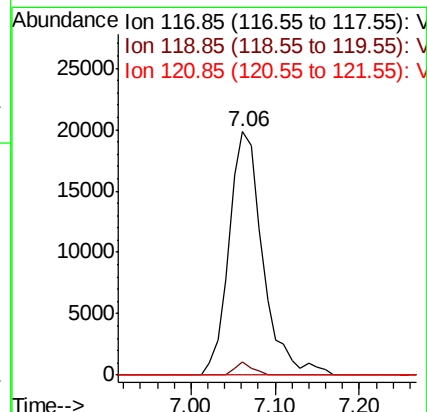
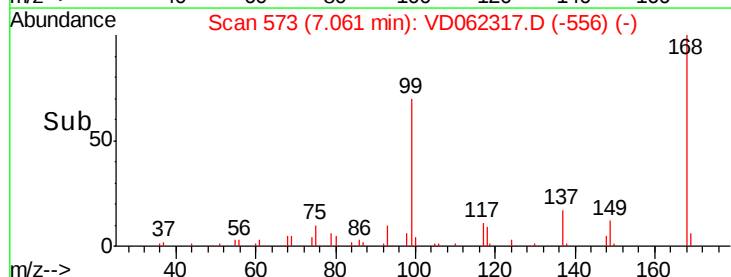
121 0.0 25.9 38.9#

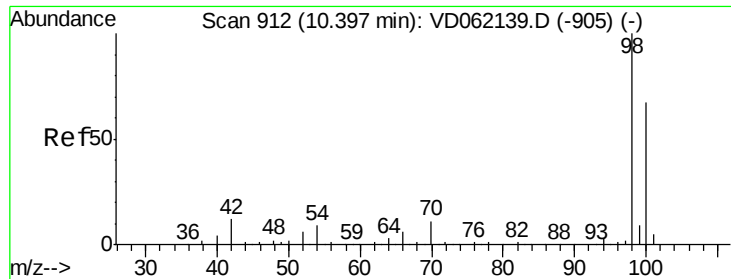


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

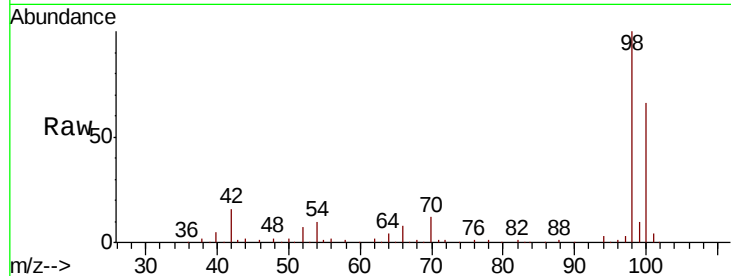




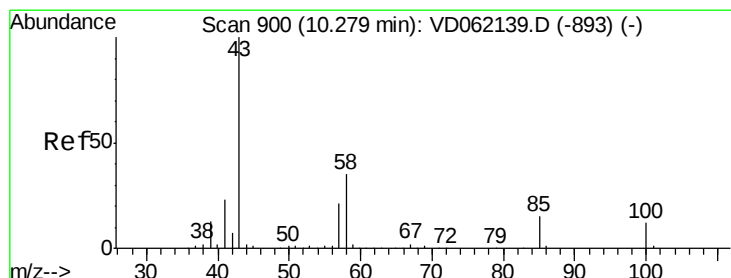
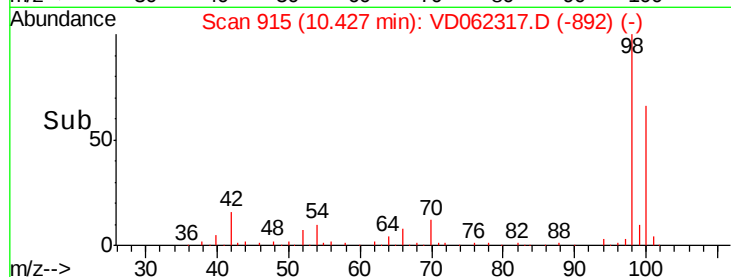
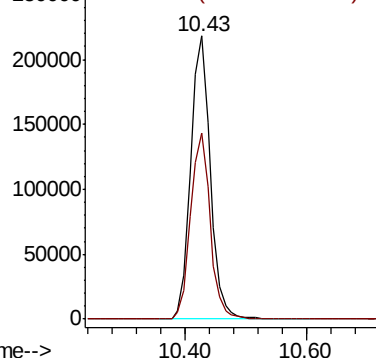
#50
Toluene-d8
Concen: 37.892 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062317.D
Acq: 13 May 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0206-01

Tot Ion: 98 Resp: 490907
Ion Ratio Lower Upper
98 100
100 65.6 53.8 80.8

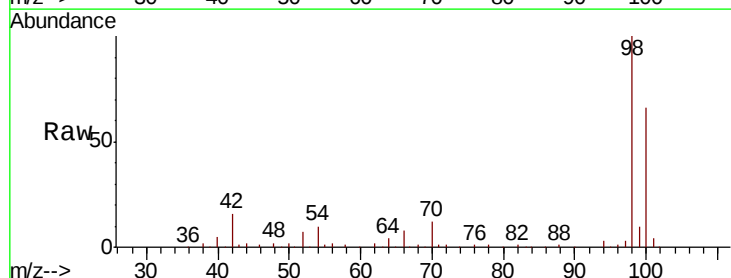


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

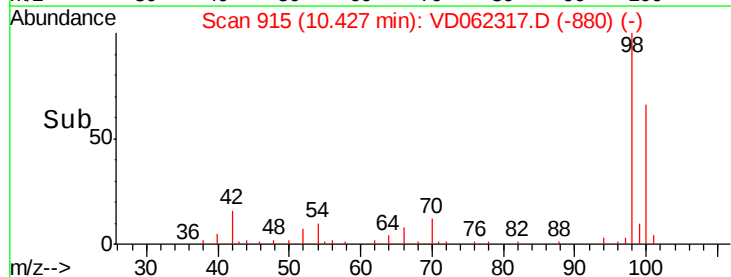
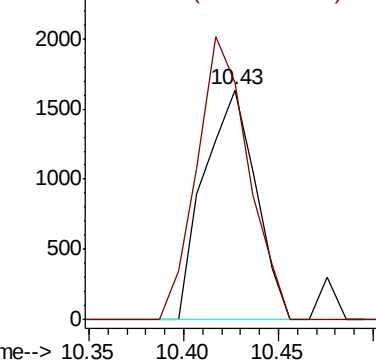


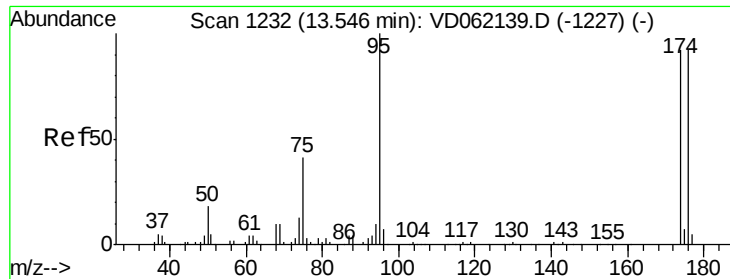
#51
4-Methyl-2-Pentanone
Concen: 1.505 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.15 min
Lab File: VD062317.D
Acq: 13 May 2019 20:58

Tgt Ion: 43 Resp: 3090
Ion Ratio Lower Upper
43 100
58 103.2 30.4 45.6#



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

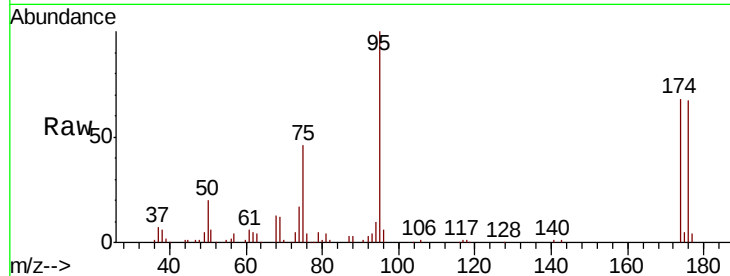




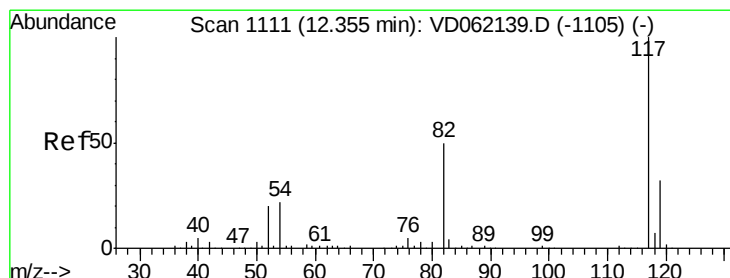
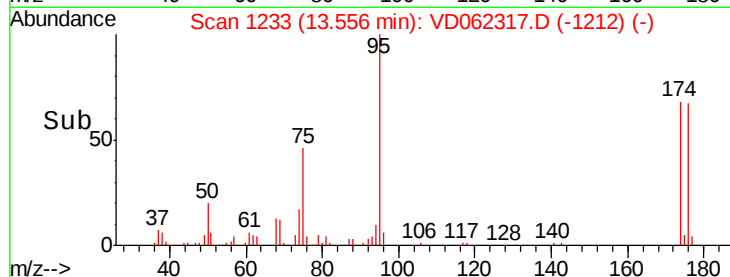
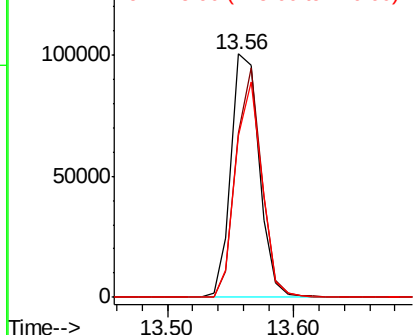
#62
4-Bromofluorobenzene
Concen: 29.819 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062317.D
Acq: 13 May 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0206-01

Tot Ion: 95 Resp: 155134
Ion Ratio Lower Upper
95 100
174 67.7 0.0 181.8
176 66.6 0.0 174.4

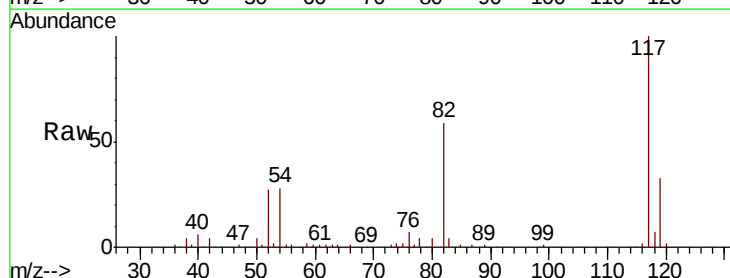


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

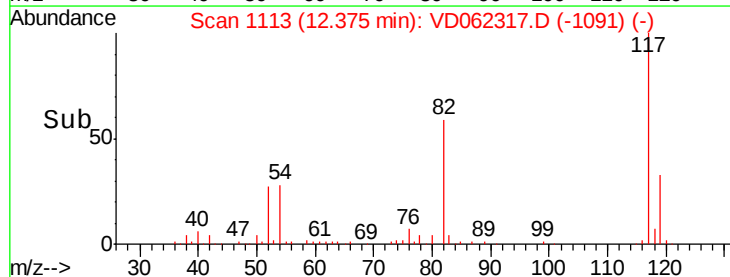
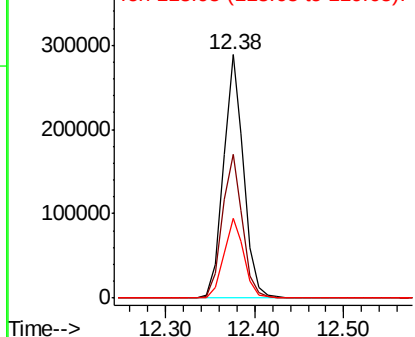


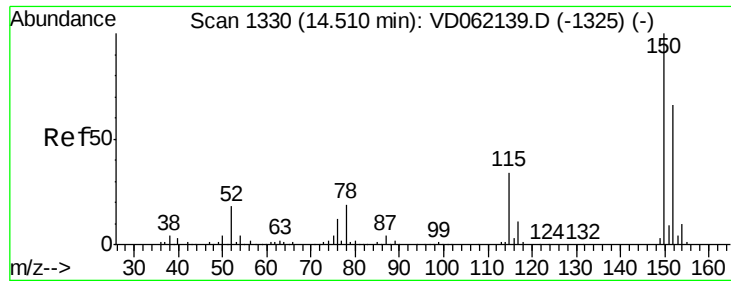
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062317.D
Acq: 13 May 2019 20:58

Tgt Ion: 117 Resp: 459400
Ion Ratio Lower Upper
117 100
82 59.1 36.2 54.2#
119 32.8 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: VD062317.D

Acq: 13 May 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

P021-SS007-0206-01

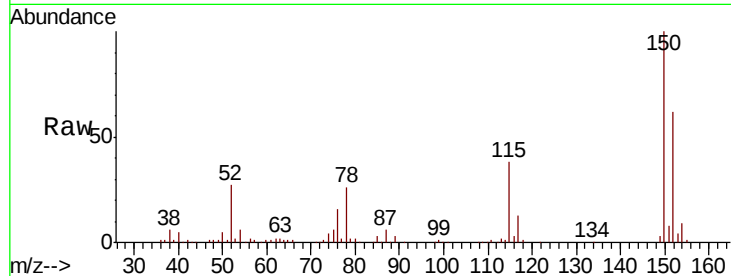
Tot Ion:152 Resp: 180394

Ion Ratio Lower Upper

152 100

115 61.8 30.9 92.7

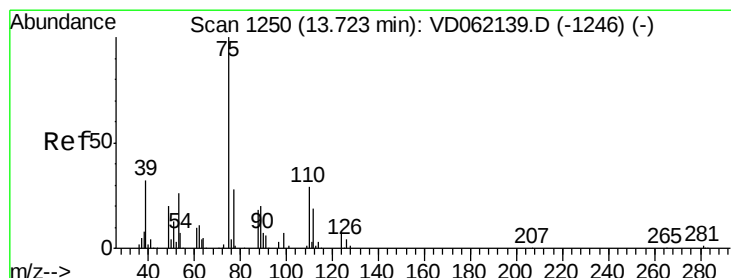
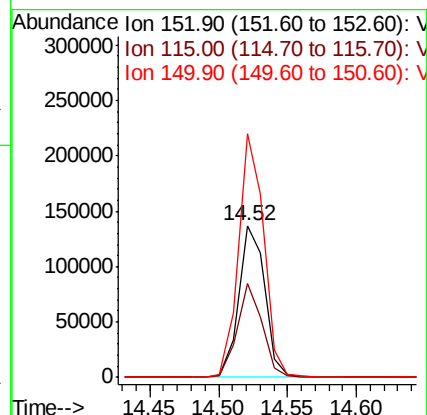
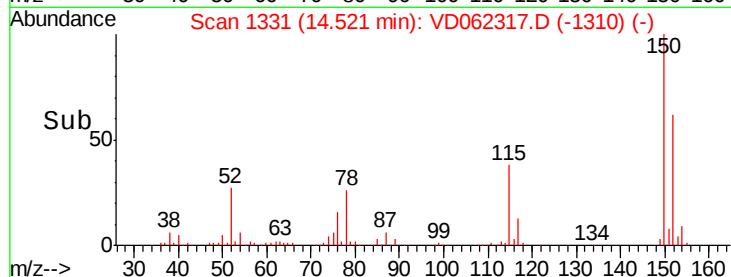
150 160.7 0.0 314.8



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: 28.188 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062317.D

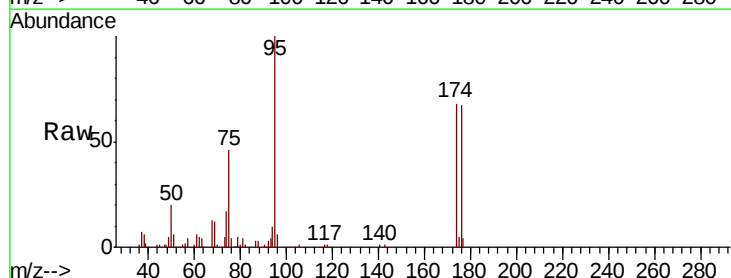
Acq: 13 May 2019 20:58

Tgt Ion: 75 Resp: 60431

Ion Ratio Lower Upper

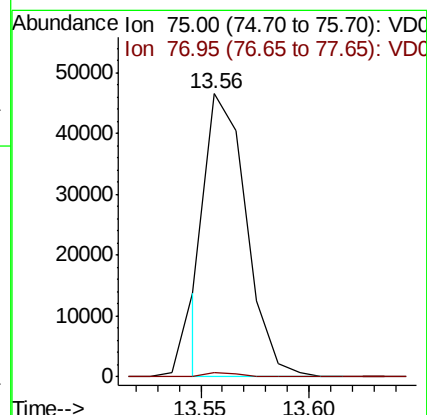
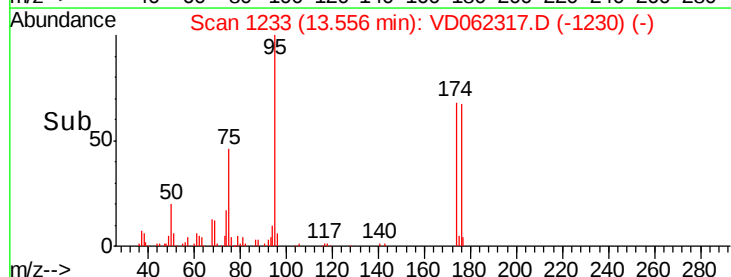
75 100

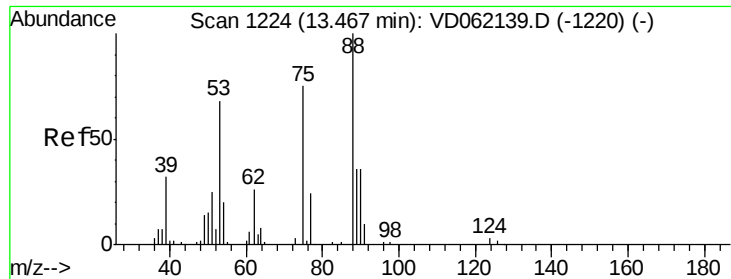
77 1.6 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.078 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062317.D

Acq: 13 May 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

P021-SS007-0206-01

Tot Ion: 75 Resp: 69042

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

