

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063125.D
 Acq On : 17 Jul 2019 12:20
 Operator : VA/AP
 Sample : K3623-05
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:55:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	897404	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1243404	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	861604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	298626	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	475361	42.52	ug/l	0.00
Spiked Amount			Recovery	=	85.04%	
35) Dibromofluoromethane	6.92	113	528731	42.69	ug/l	0.00
Spiked Amount			Recovery	=	85.38%	
50) Toluene-d8	10.40	98	966111	36.32	ug/l	0.00
Spiked Amount			Recovery	=	72.64%	
62) 4-Bromofluorobenzene	13.55	95	333091	27.06	ug/l	0.00
Spiked Amount			Recovery	=	54.12%	

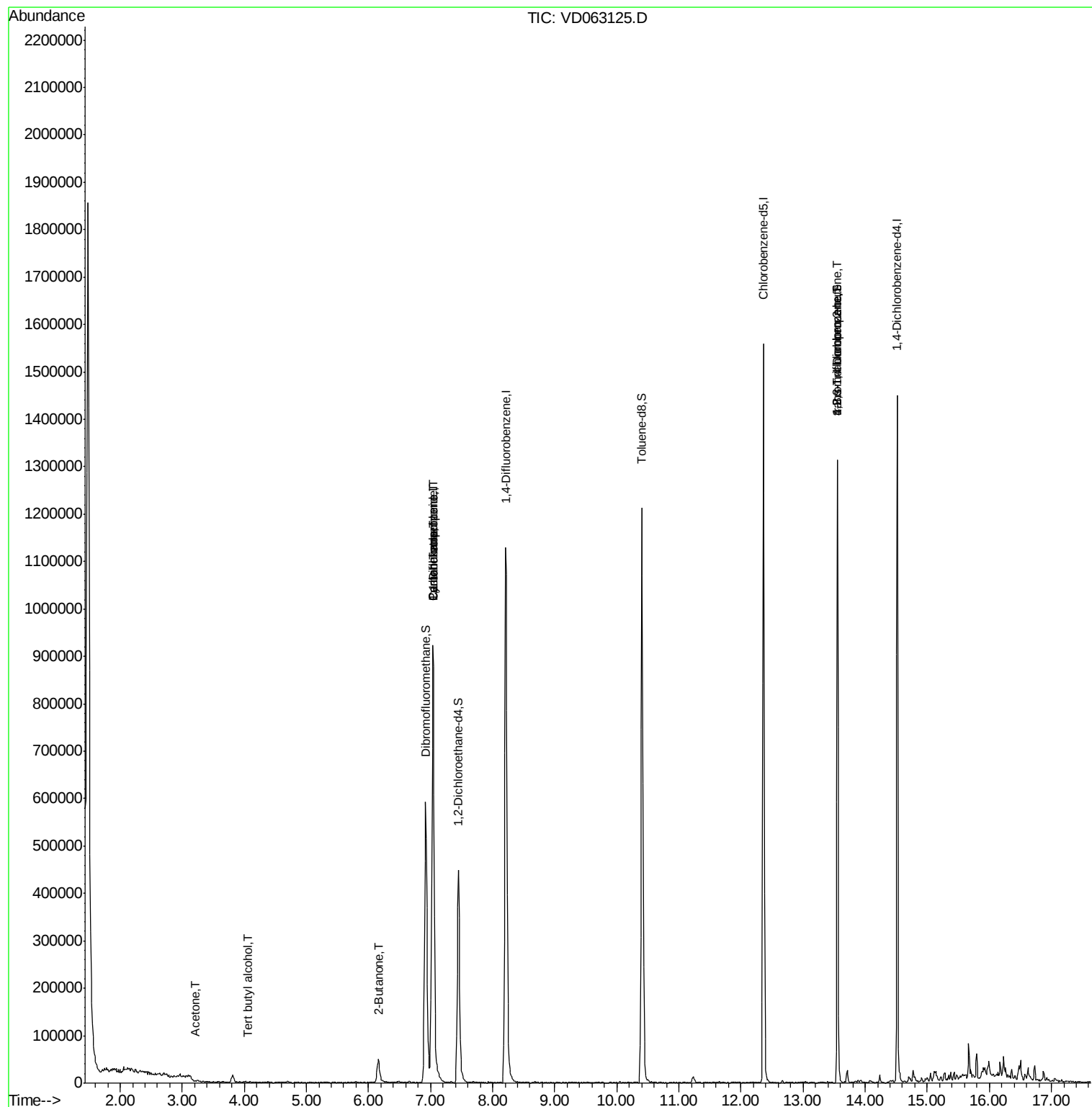
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	243	Below Cal	#	43
3) Chloromethane	1.74	50	449	Below Cal	#	48
5) Bromomethane	2.16	94	3177	Below Cal	#	18
11) Tert butyl alcohol	4.07	59	1782	2.762	ug/l #	77
16) Acetone	3.22	43	3163	1.171	ug/l #	62
18) Methyl Acetate	3.65	43	519	Below Cal	#	63
25) 2-Butanone	6.15	43	5243	2.034	ug/l #	61
31) Cyclohexane	7.04	56	19977	1.877	ug/l #	7
36) 1,1-Dichloropropene	7.05	75	66865	4.781	ug/l #	49
38) Carbon Tetrachloride	7.05	117	93270	4.389	ug/l #	12
76) 1,2,3-Trichloropropane	13.55	75	110011	23.948	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	153751	127.099	ug/l #	1

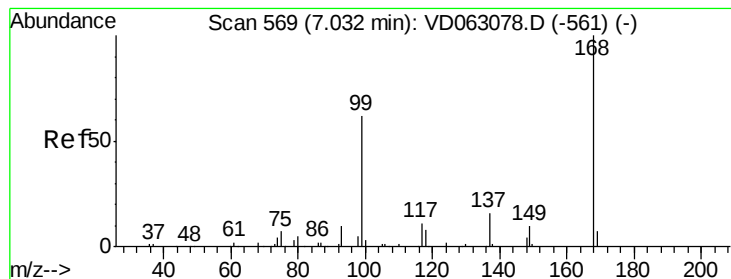
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071719\
Data File : VD063125.D
Acq On : 17 Jul 2019 12:20
Operator : VA/AP
Sample : K3623-05
Misc : 6.28g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 18 06:55:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063125.D

Acq: 17 Jul 2019 12:20

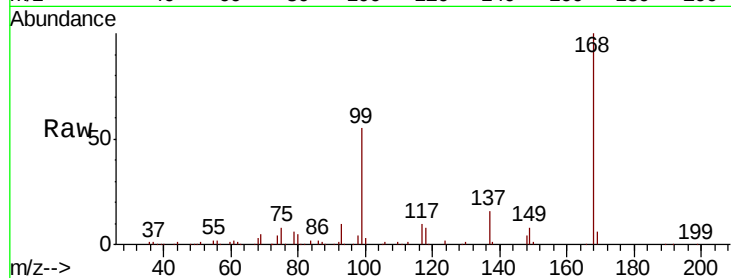
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 897404

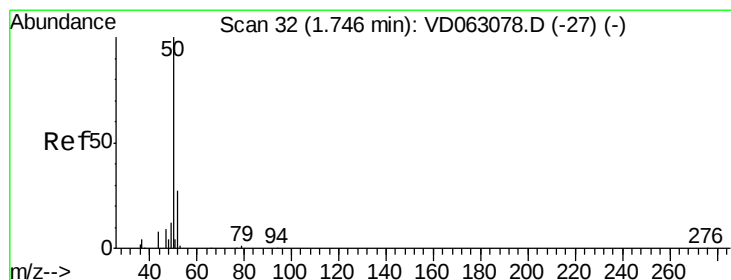
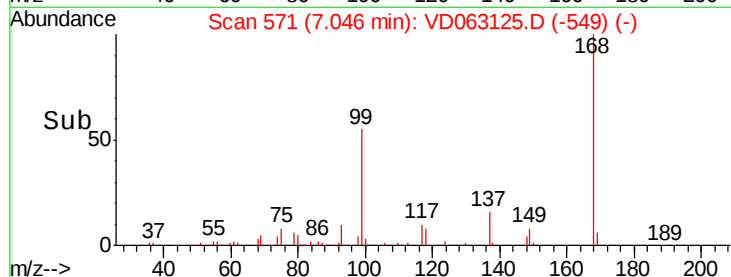
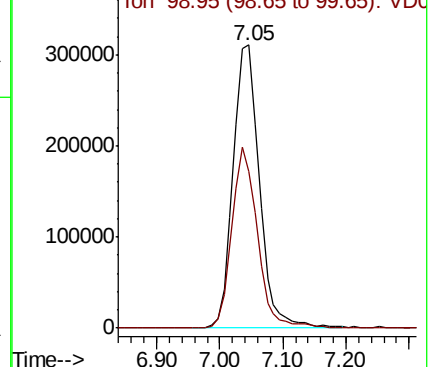
Ion Ratio Lower Upper

168 100

99 55.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V



#3

Chloromethane

Concen: Below Cal

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063125.D

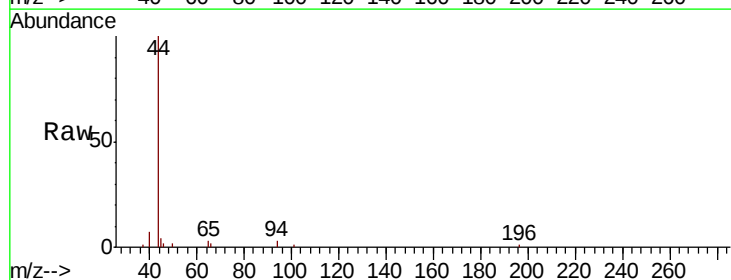
Acq: 17 Jul 2019 12:20

Tgt Ion: 50 Resp: 449

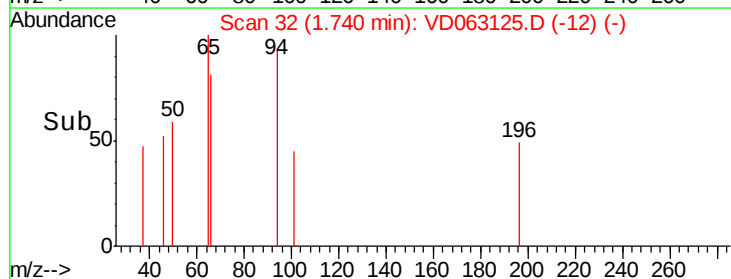
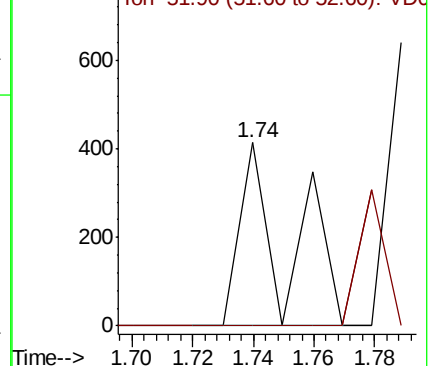
Ion Ratio Lower Upper

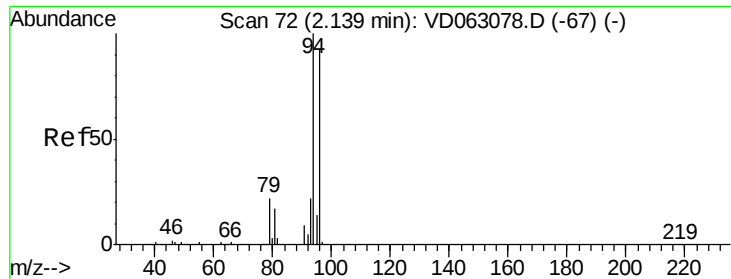
50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD063125.D

Acq: 17 Jul 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

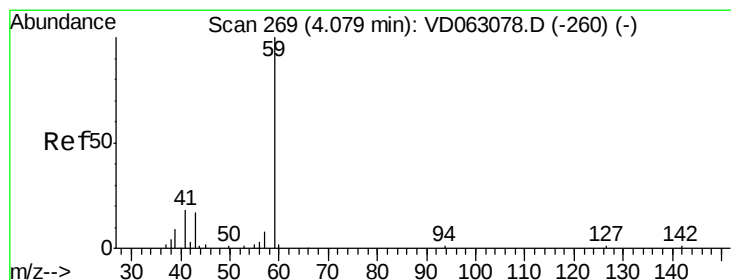
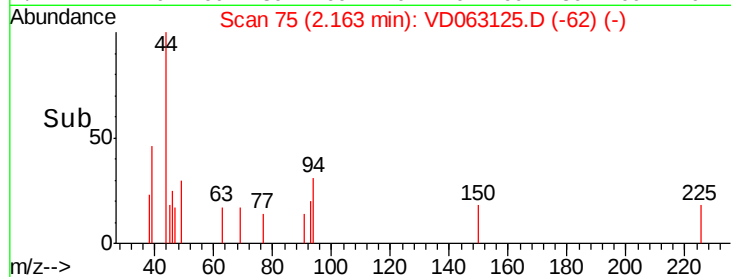
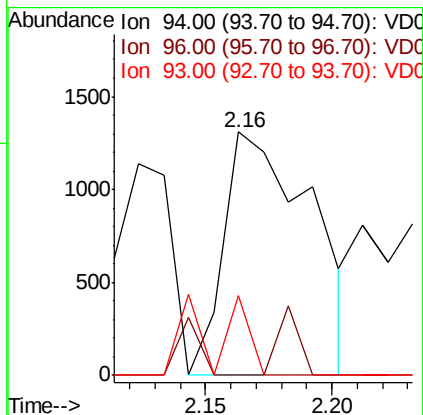
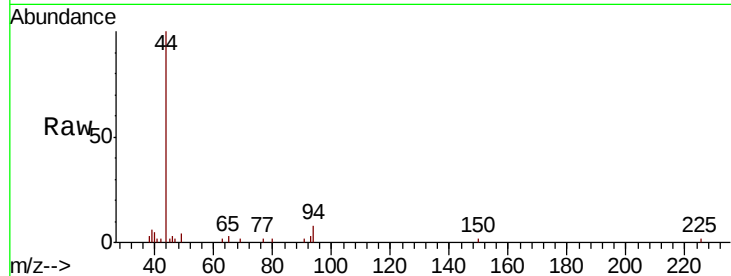
Tot Ion: 94 Resp: 3177

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 32.7 17.8 26.6#



#11

Tert butyl alcohol

Concen: 2.762 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD063125.D

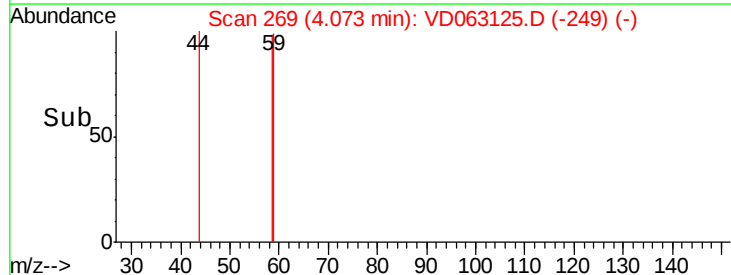
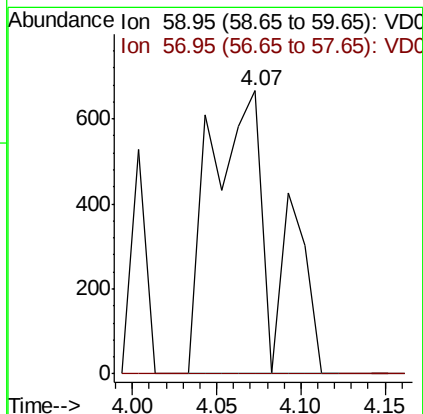
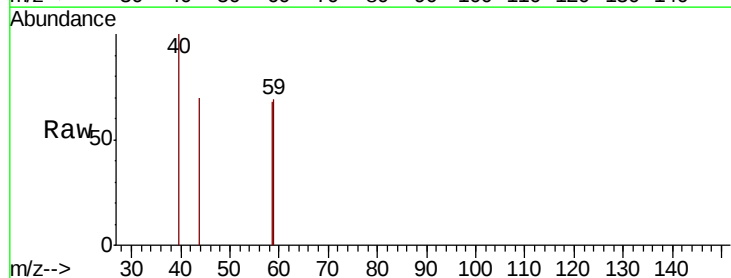
Acq: 17 Jul 2019 12:20

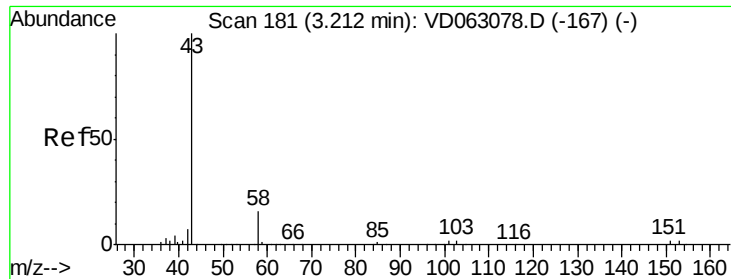
Tgt Ion: 59 Resp: 1782

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#

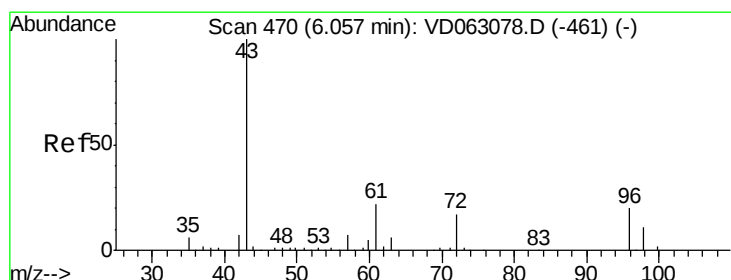
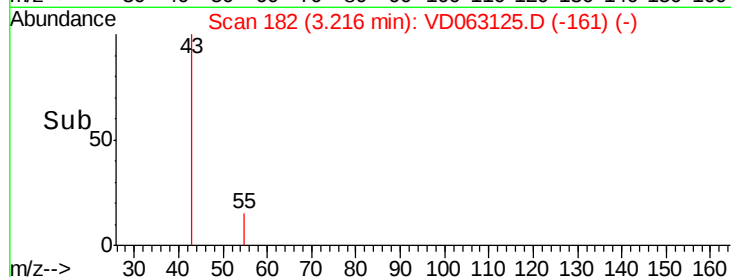
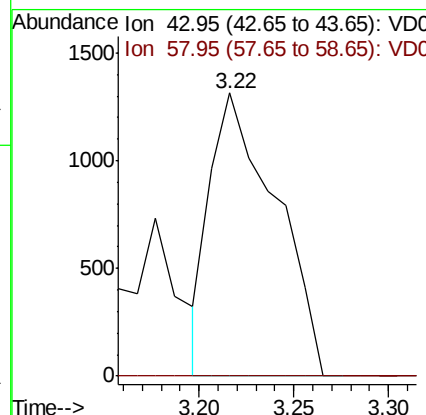
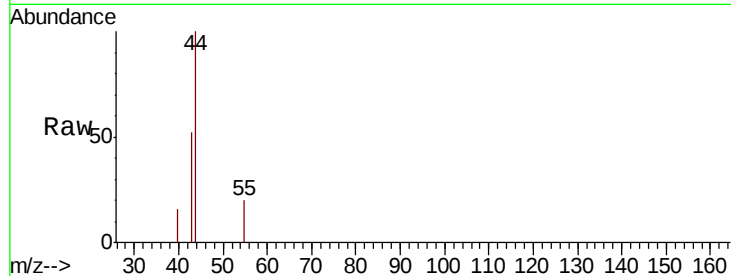




#16
Acetone
Concen: 1.171 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD063125.D
Acq: 17 Jul 2019 12:20

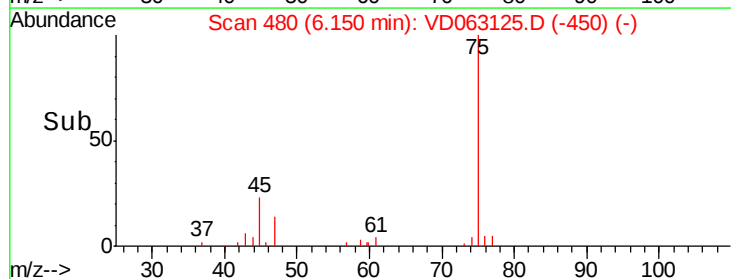
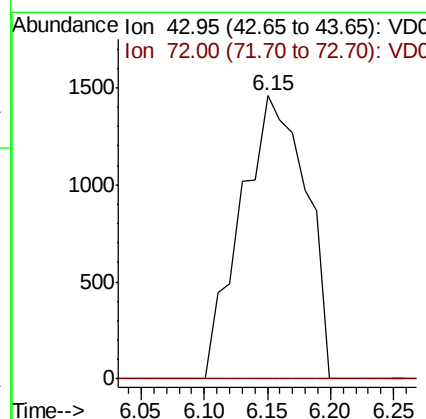
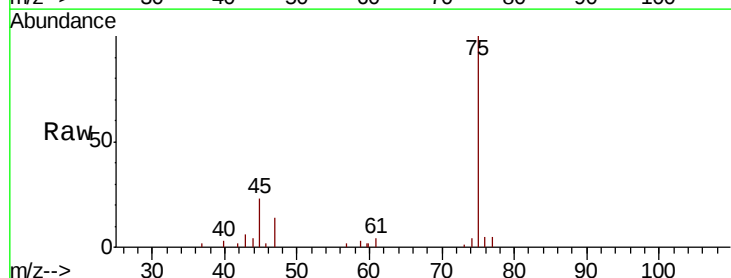
Instrument :
MSVOA_D
ClientSampleId :

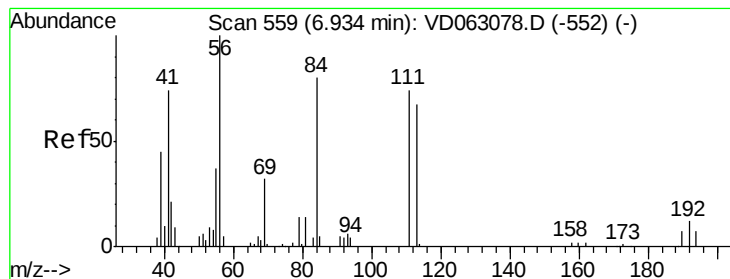
Tot Ion: 43 Resp: 3163
Ion Ratio Lower Upper
43 100
58 0.0 13.0 19.4#



#25
2-Butanone
Concen: 2.034 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD063125.D
Acq: 17 Jul 2019 12:20

Tgt Ion: 43 Resp: 5243
Ion Ratio Lower Upper
43 100
72 0.0 13.4 20.0#





#31

Cyclohexane

Concen: 1.877 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063125.D

Acq: 17 Jul 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

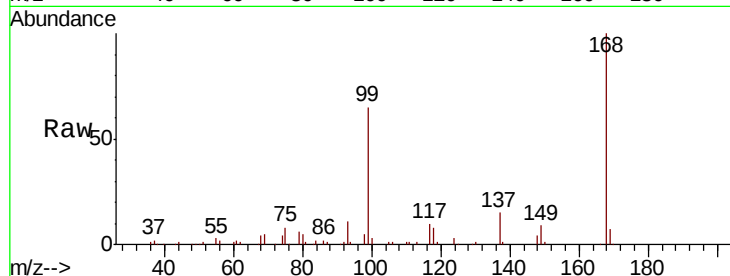
Tot Ion: 56 Resp: 19977

Ion Ratio Lower Upper

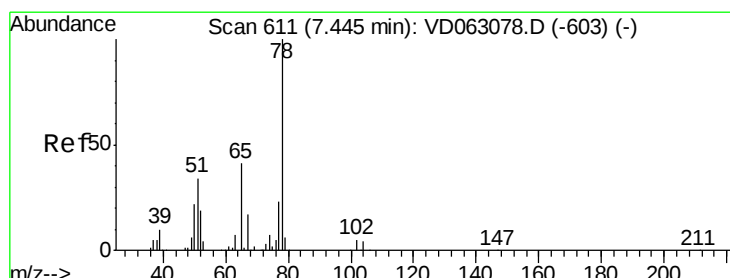
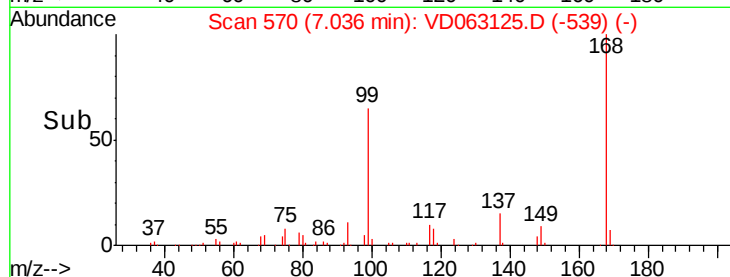
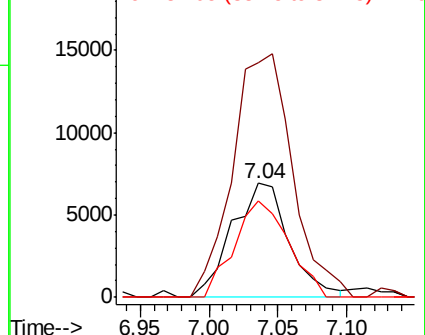
56 100

69 206.0 25.3 37.9#

84 84.8 64.2 96.4



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: 42.523 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD063125.D

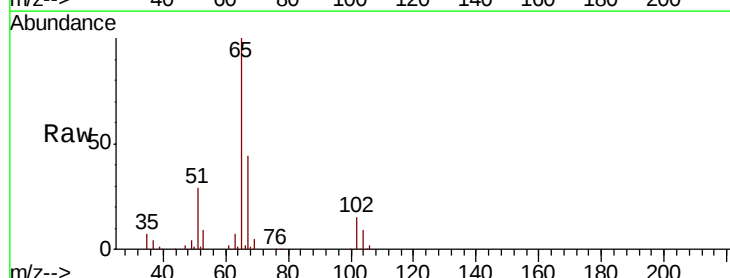
Acq: 17 Jul 2019 12:20

Tgt Ion: 65 Resp: 475361

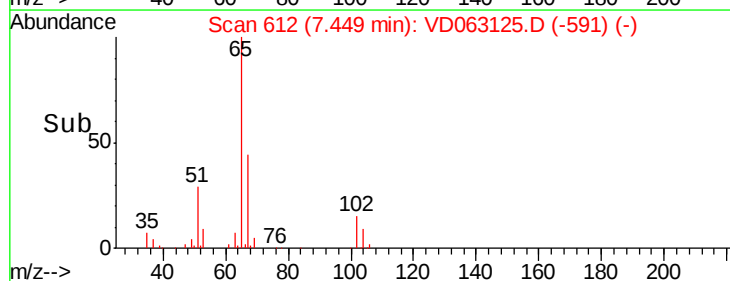
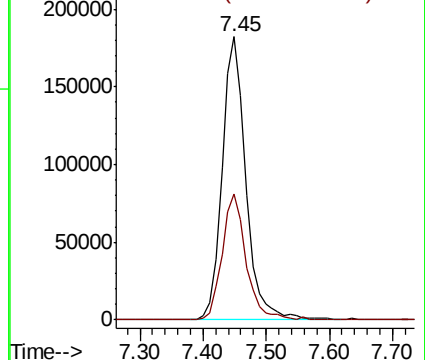
Ion Ratio Lower Upper

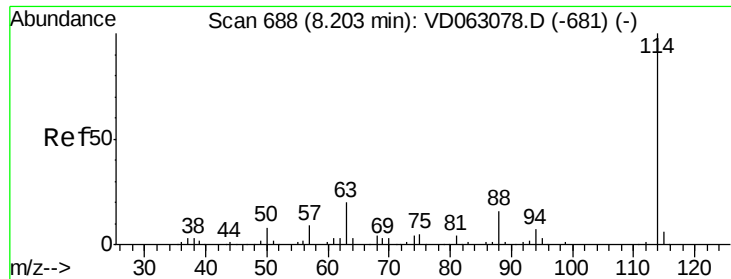
65 100

67 44.4 0.0 86.0



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

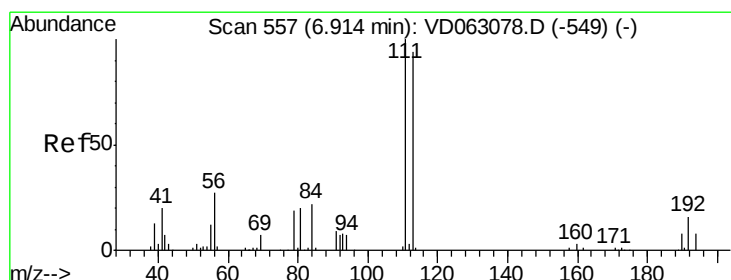
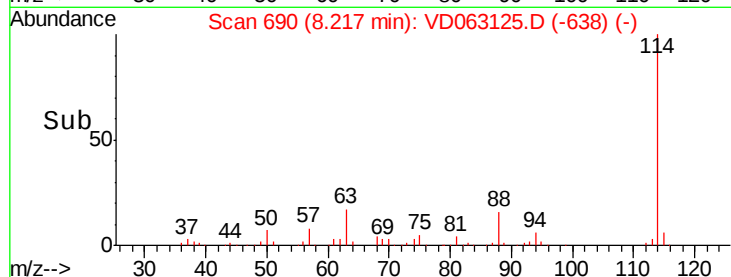
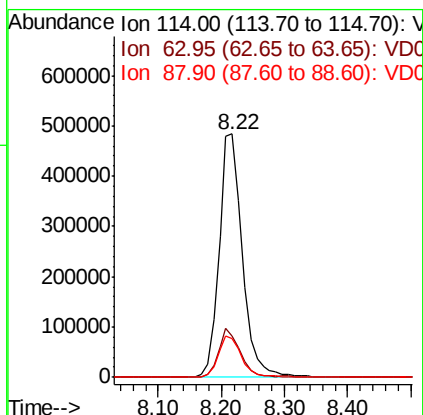
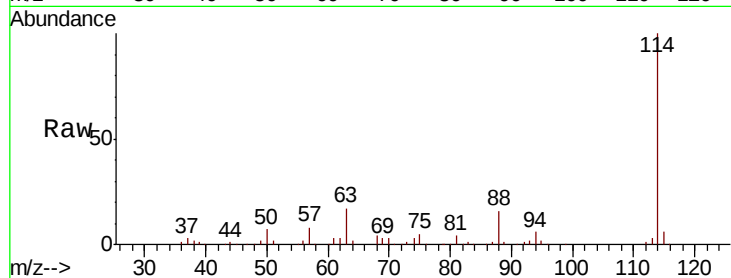




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063125.D
 Acq: 17 Jul 2019 12:20

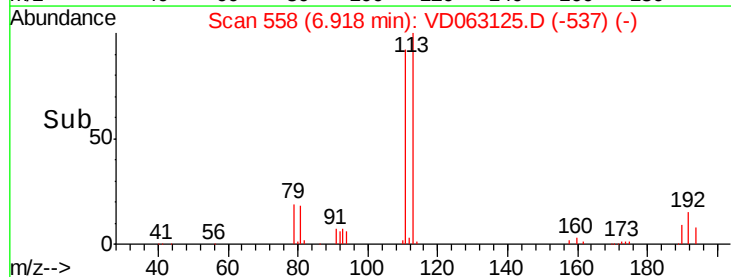
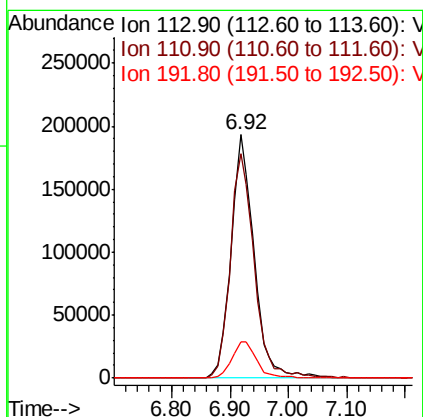
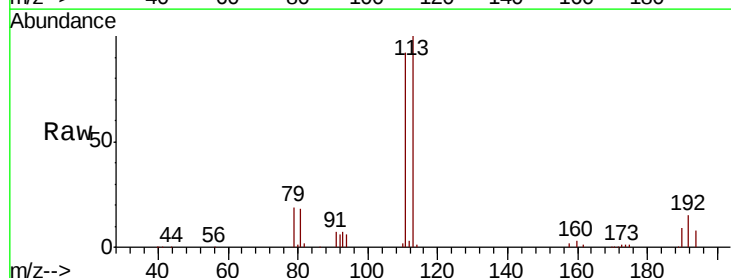
Instrument :
 MSVOA_D
 ClientSampleId :

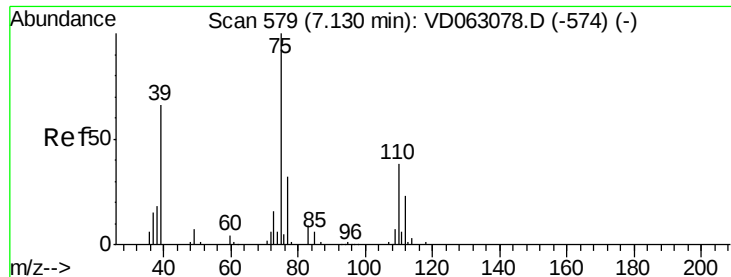
Tot Ion:114 Resp: 1243404
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 40.6
 88 16.2 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 42.693 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD063125.D
 Acq: 17 Jul 2019 12:20

Tgt Ion:113 Resp: 528731
 Ion Ratio Lower Upper
 113 100
 111 92.2 84.8 127.2
 192 14.9 13.4 20.0





#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063125.D

Acq: 17 Jul 2019 12:20

Instrument :
MSVOA_D
ClientSampled :

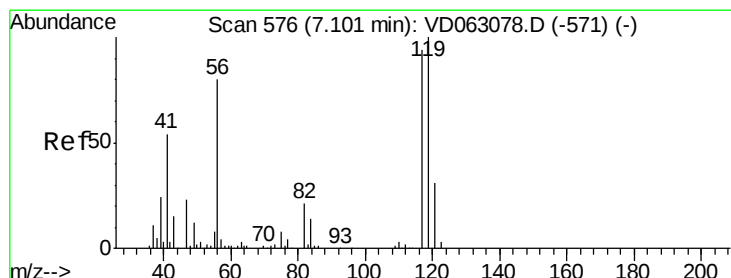
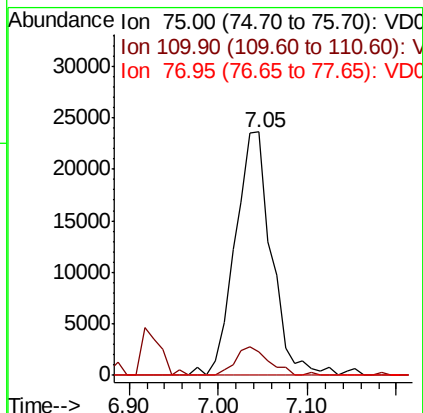
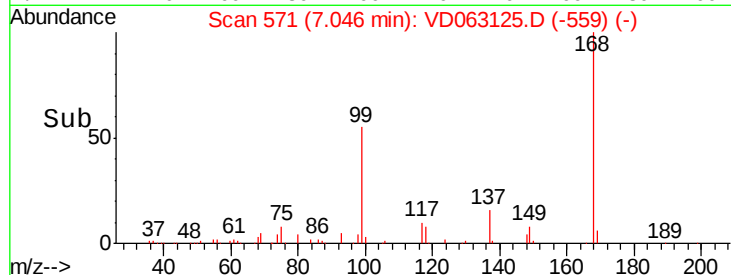
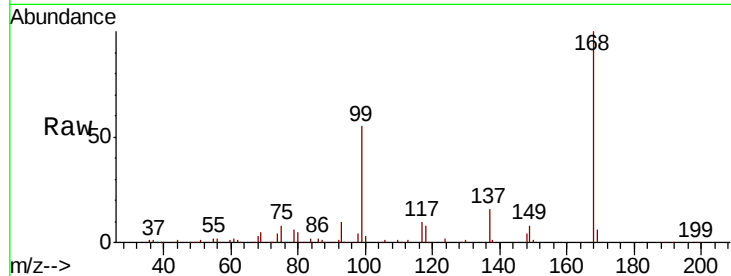
Tot Ion: 75 Resp: 66865

Ion Ratio Lower Upper

75 100

110 9.6 18.9 56.5#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 4.389 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.06 min

Lab File: VD063125.D

Acq: 17 Jul 2019 12:20

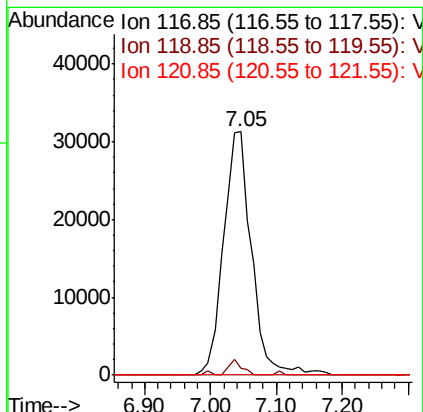
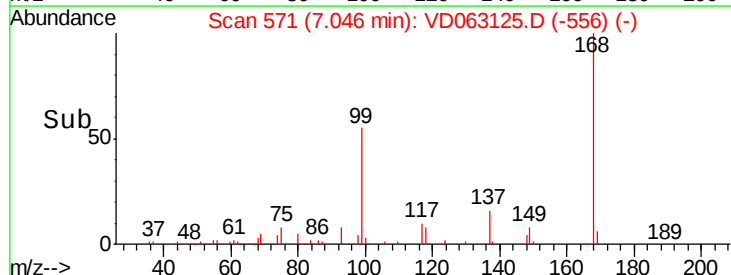
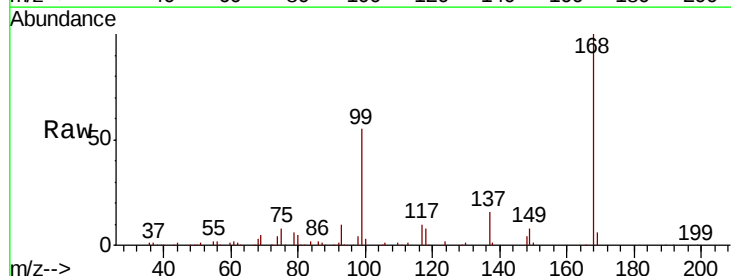
Tgt Ion: 117 Resp: 93270

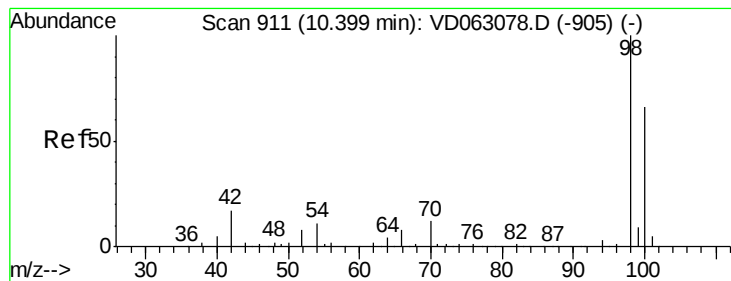
Ion Ratio Lower Upper

117 100

119 2.7 80.0 120.0#

121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 36.317 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063125.D

Acq: 17 Jul 2019 12:20

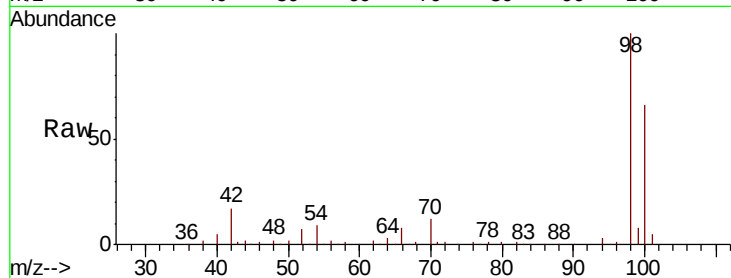
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 966111

Ion Ratio Lower Upper

98 100

100 65.9 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VD063078.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063078.D (-905) (-)

10.40

400000

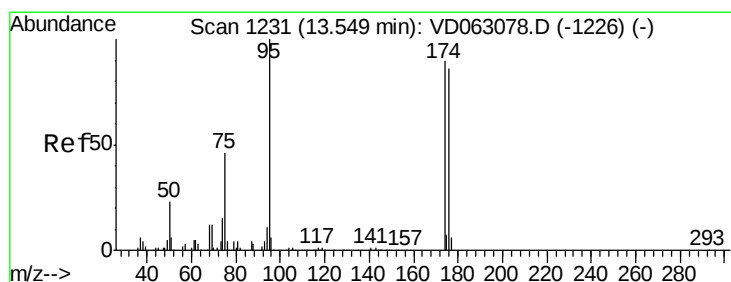
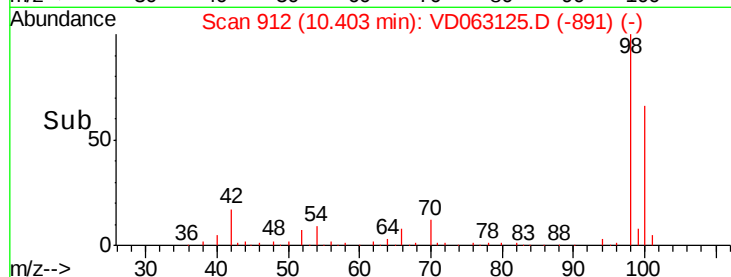
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 27.065 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063125.D

Acq: 17 Jul 2019 12:20

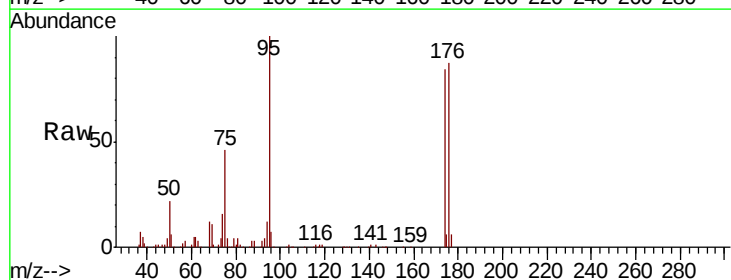
Tgt Ion: 95 Resp: 333091

Ion Ratio Lower Upper

95 100

174 84.0 0.0 180.6

176 86.6 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): VD063078.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD063078.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD063078.D (-1226) (-)

13.55

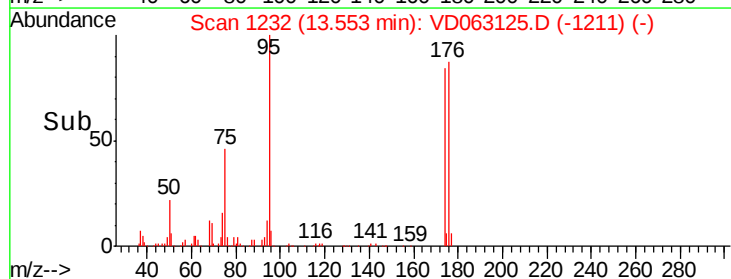
300000

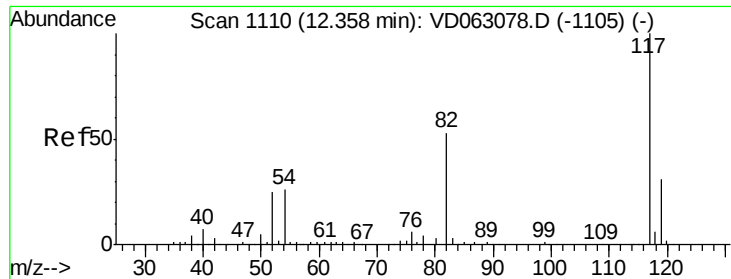
200000

100000

0

Time-->

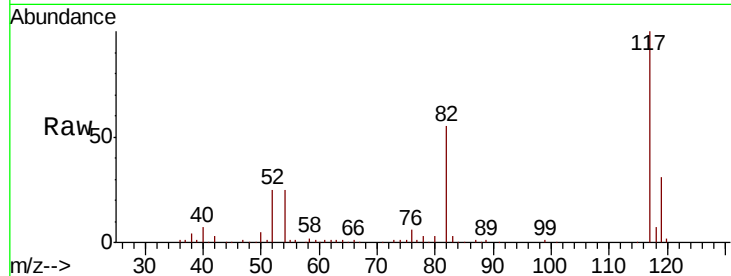




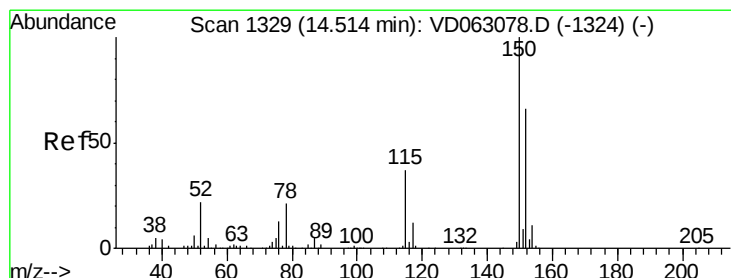
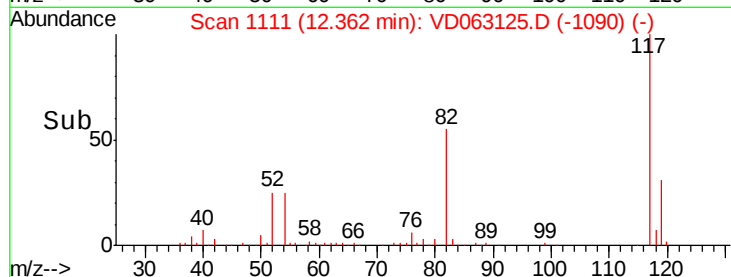
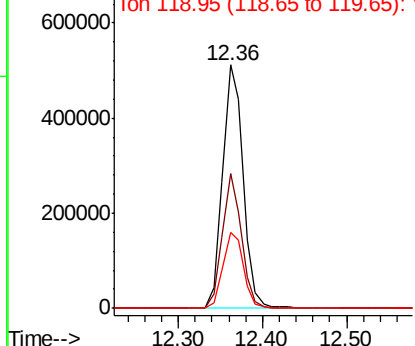
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063125.D
Acq: 17 Jul 2019 12:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 861604
Ion Ratio Lower Upper
117 100
82 55.3 42.3 63.5
119 31.2 25.2 37.8

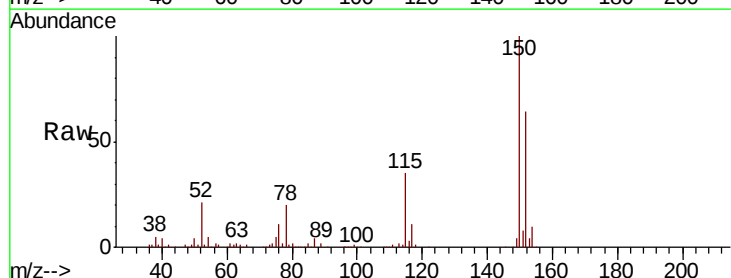


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

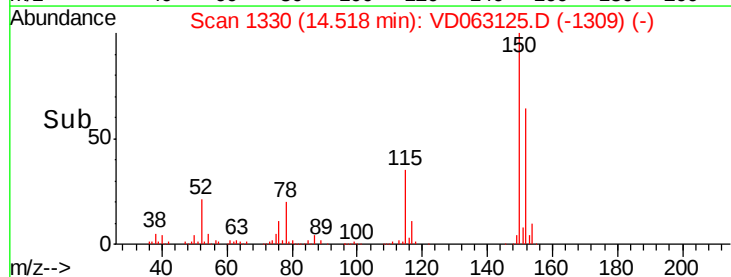
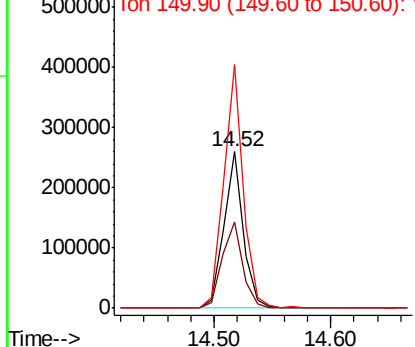


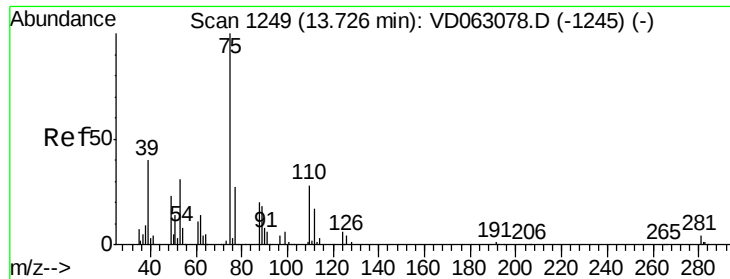
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063125.D
Acq: 17 Jul 2019 12:20

Tgt Ion:152 Resp: 298626
Ion Ratio Lower Upper
152 100
115 55.3 28.9 86.8
150 155.9 0.0 313.8



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

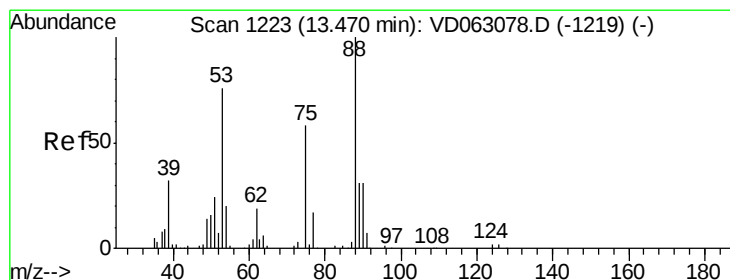
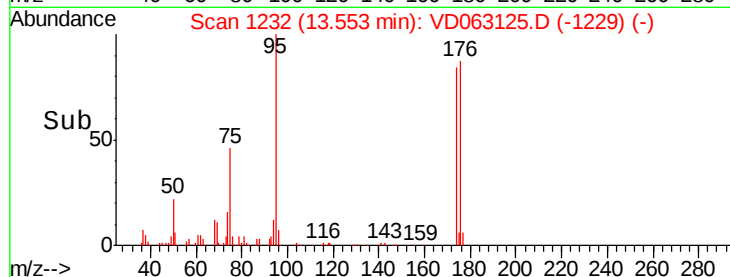
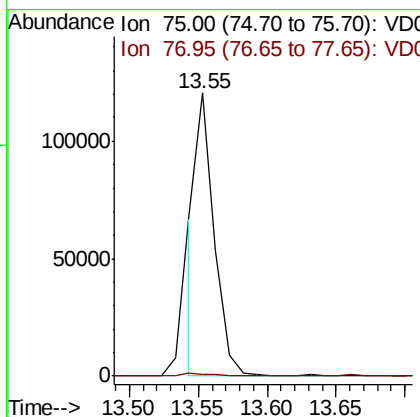
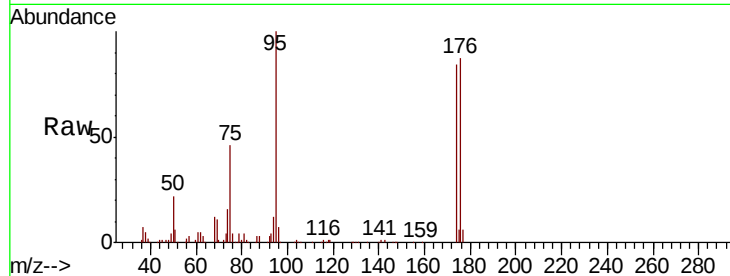




#76
 1,2,3-Trichloropropane
 Concen: 23.948 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD063125.D
 Acq: 17 Jul 2019 12:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 110011
 Ion Ratio Lower Upper
 75 100
 77 0.6 16.3 48.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.099 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD063125.D
 Acq: 17 Jul 2019 12:20

Tgt Ion: 75 Resp: 153751
 Ion Ratio Lower Upper
 75 100
 53 0.0 104.4 156.6#
 89 0.0 43.1 64.7#

