

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\
 Data File : VD063603.D
 Acq On : 15 Aug 2019 14:03
 Operator : JC/SY
 Sample : VD0815SBL01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 15:50:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1111977	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1494303	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1336835	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	673326	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	665132	55.96	ug/l	-0.02
Spiked Amount			Recovery	=	111.92%	
35) Dibromofluoromethane	6.91	113	734894	58.39	ug/l	-0.02
Spiked Amount			Recovery	=	116.78%	
50) Toluene-d8	10.40	98	1696326	61.31	ug/l	-0.02
Spiked Amount			Recovery	=	122.62%	
62) 4-Bromofluorobenzene	13.55	95	676986	53.98	ug/l	-0.01
Spiked Amount			Recovery	=	107.96%	

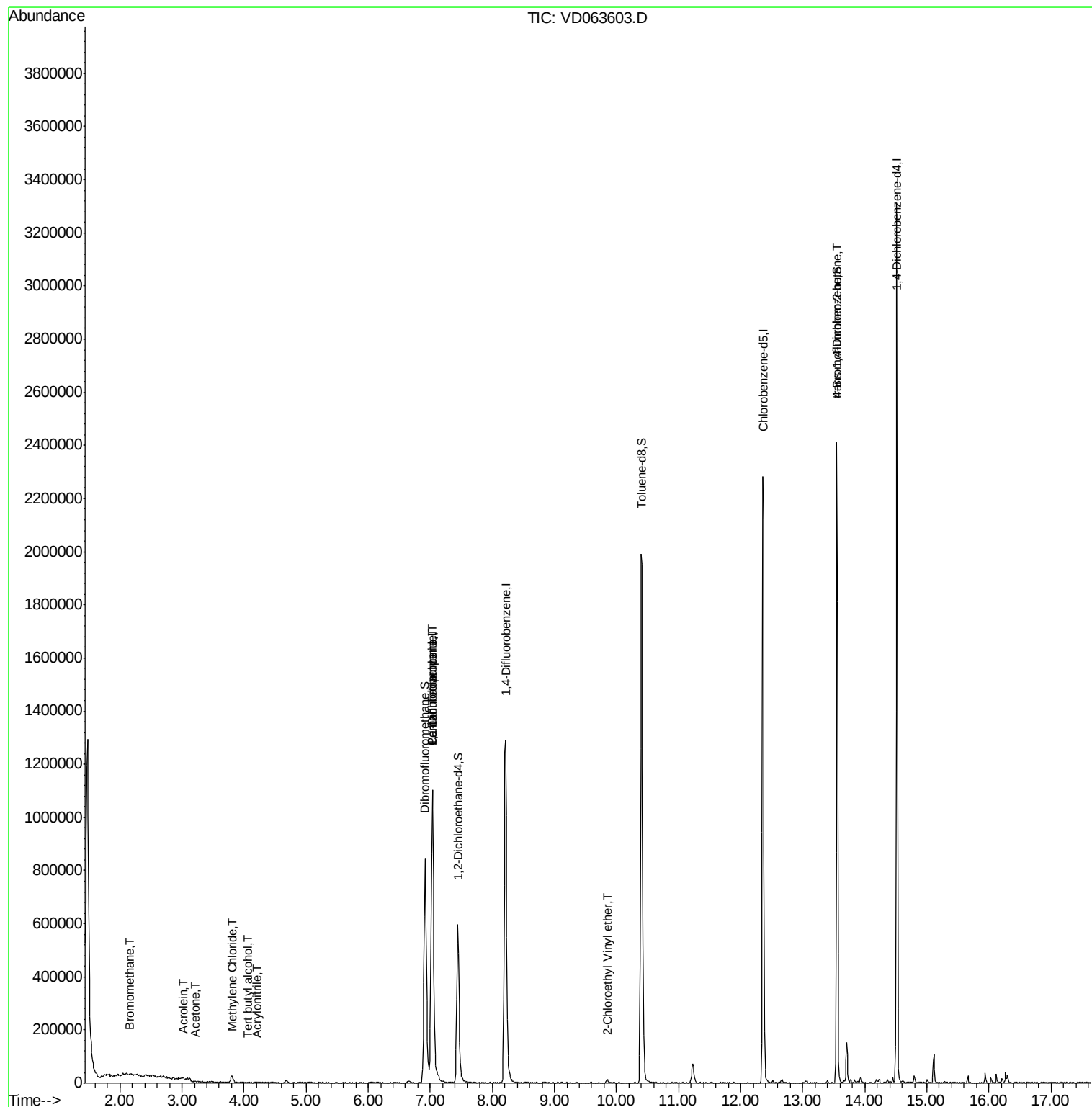
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	6517	1.324	ug/l #	33
11) Tert butyl alcohol	4.07	59	664	1.283	ug/l #	1
13) Acrolein	3.01	56	554	1.088	ug/l #	59
15) Acrylonitrile	4.20	53	2535	1.850	ug/l #	32
16) Acetone	3.22	43	6198	2.565	ug/l #	77
20) Methylene Chloride	3.81	84	13724	1.314	ug/l #	80
36) 1,1-Dichloropropene	7.03	75	82100	6.215	ug/l #	46
38) Carbon Tetrachloride	7.03	117	111665	5.609	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.86	63	6793	1.874	ug/l #	76
81) trans-1,4-Dichloro-2-buten	13.55	75	322343	155.199	ug/l #	1

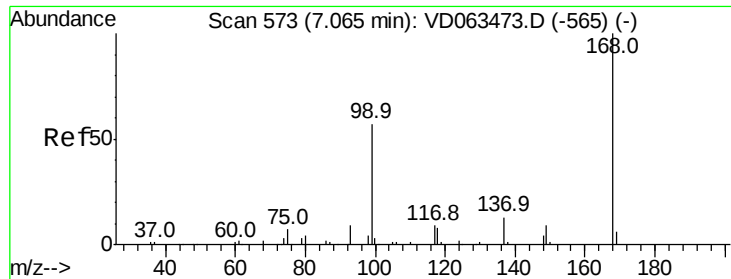
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081519\
Data File : VD063603.D
Acq On : 15 Aug 2019 14:03
Operator : JC/SY
Sample : VD0815SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 15 15:50:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD063603.D

Acq: 15 Aug 2019 14:03

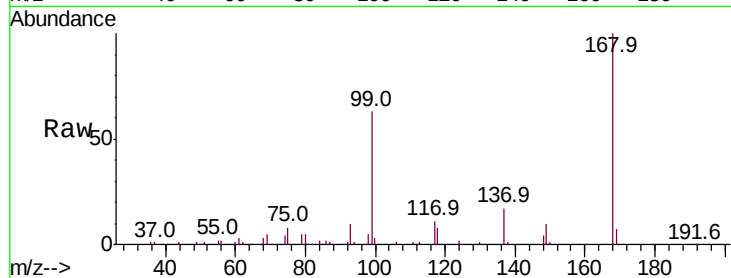
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1111977

Ion Ratio Lower Upper

168 100

99 62.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

400000

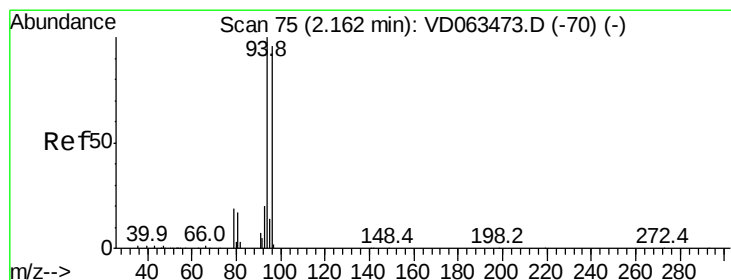
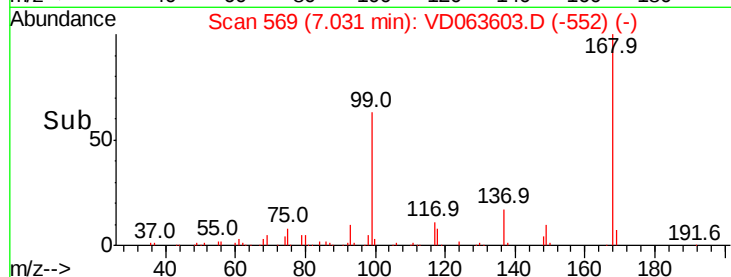
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 1.324 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD063603.D

Acq: 15 Aug 2019 14:03

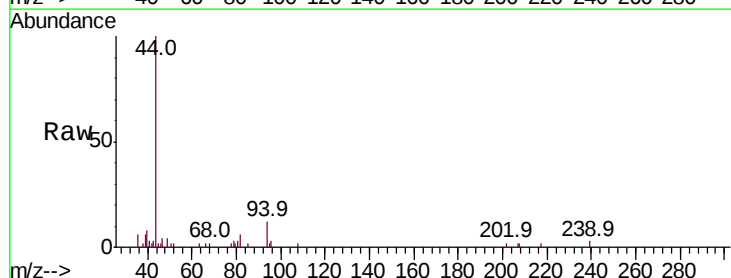
Tgt Ion: 94 Resp: 6517

Ion Ratio Lower Upper

94 100

96 26.0 76.5 114.7#

93 0.0 15.8 23.8#



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

2.17

3000

2500

2000

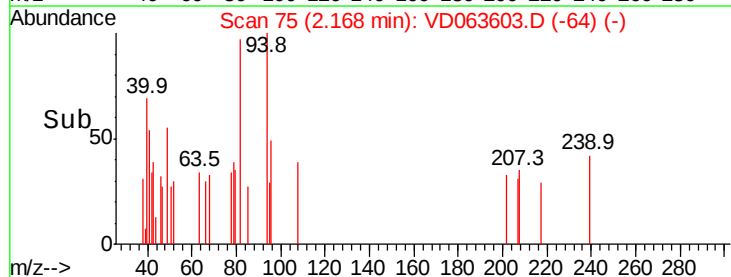
1500

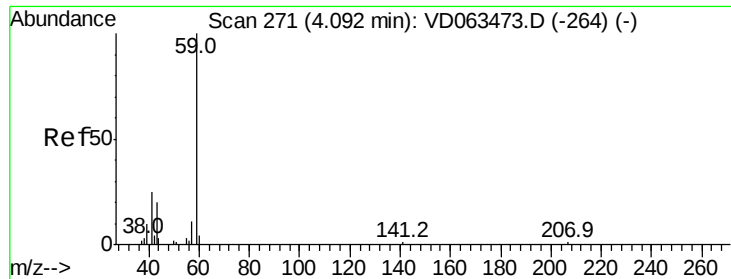
1000

500

0

Time-->

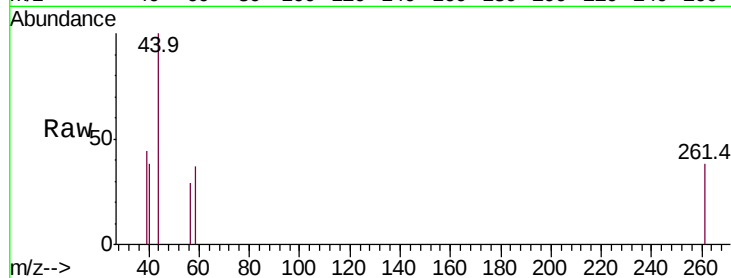




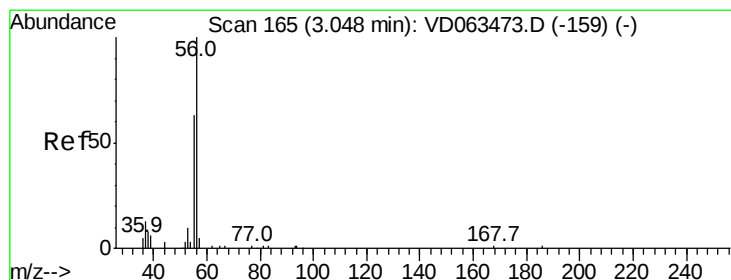
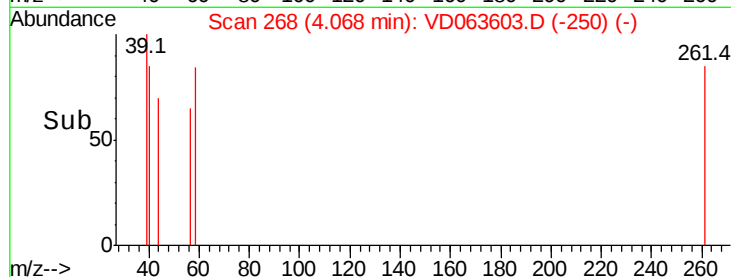
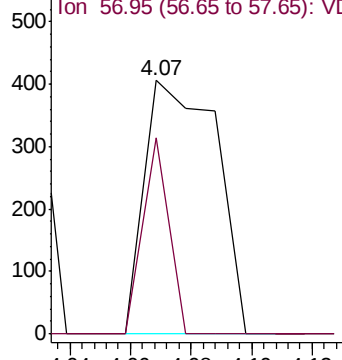
#11
Tert butyl alcohol
Concen: 1.283 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD063603.D
Acq: 15 Aug 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 664
Ion Ratio Lower Upper
59 100
57 77.3 8.7 13.1#

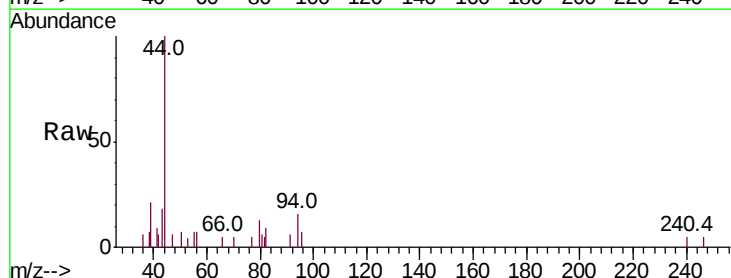


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

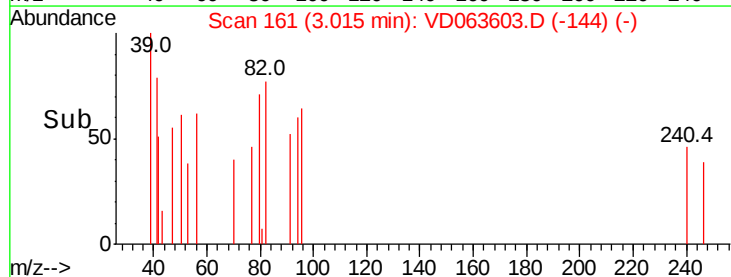
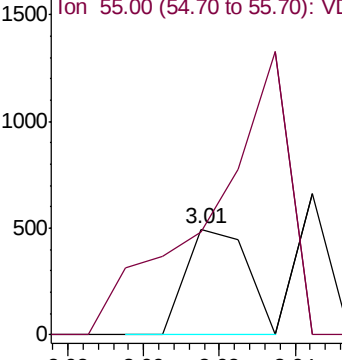


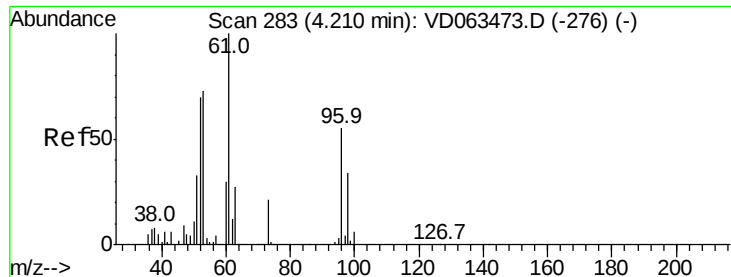
#13
Acrolein
Concen: 1.088 ug/l
RT: 3.01 min Scan# 161
Delta R.T. -0.03 min
Lab File: VD063603.D
Acq: 15 Aug 2019 14:03

Tgt Ion: 56 Resp: 554
Ion Ratio Lower Upper
56 100
55 96.6 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC





#15

Acrylonitrile

Concen: 1.850 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063603.D

Acq: 15 Aug 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :

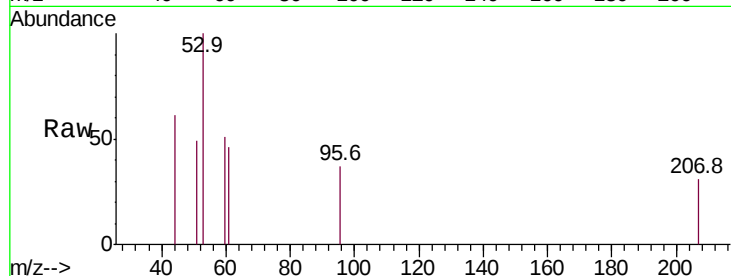
Tot Ion: 53 Resp: 2535

Ion Ratio Lower Upper

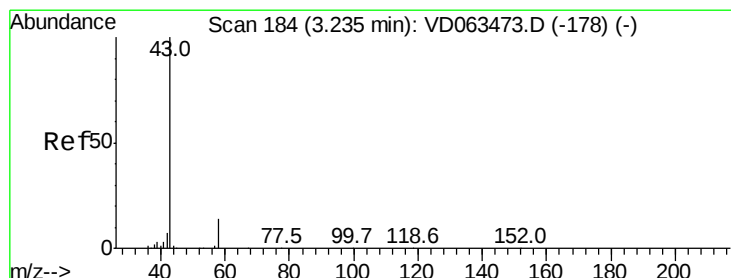
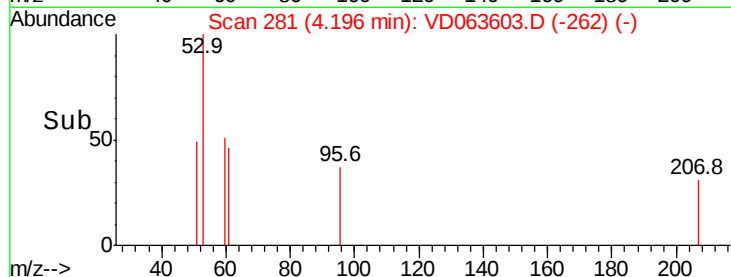
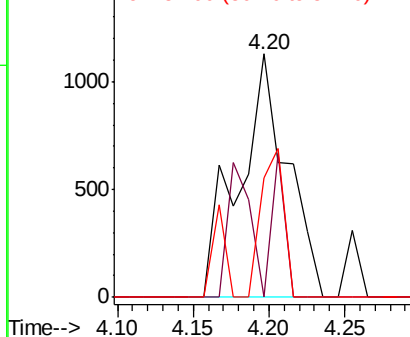
53 100

52 0.0 77.4 116.0#

51 49.1 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 2.565 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063603.D

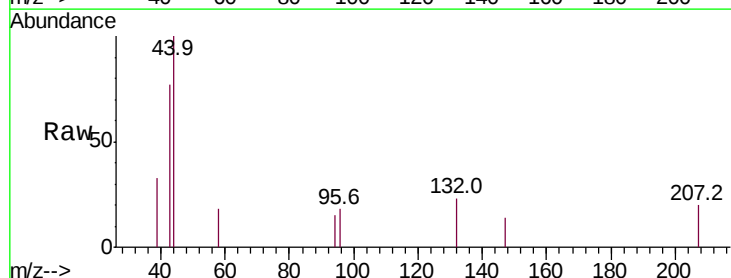
Acq: 15 Aug 2019 14:03

Tgt Ion: 43 Resp: 6198

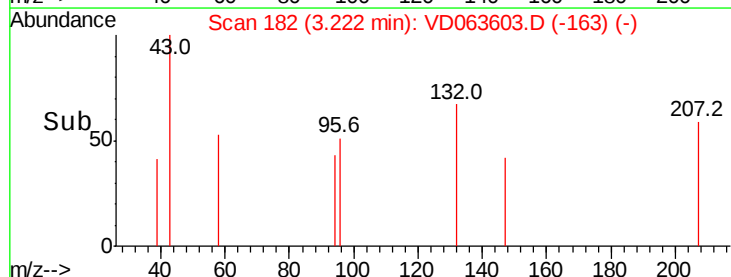
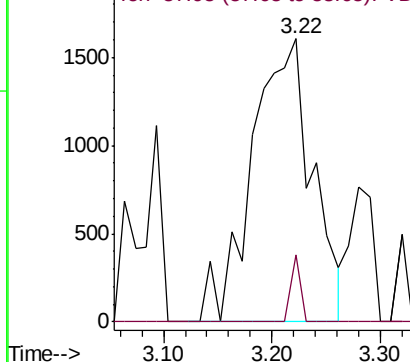
Ion Ratio Lower Upper

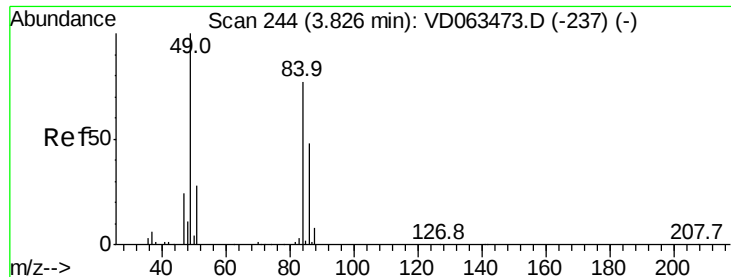
43 100

58 23.9 11.4 17.2#



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

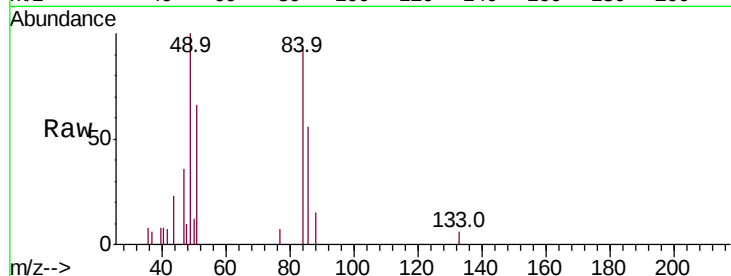




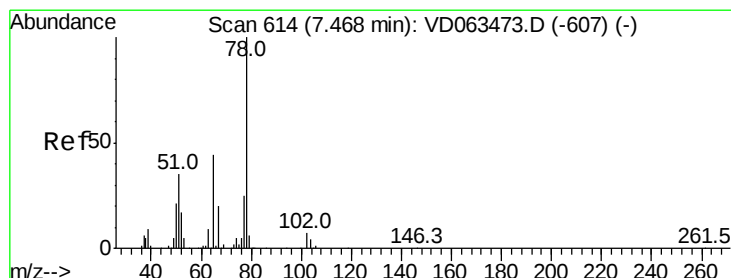
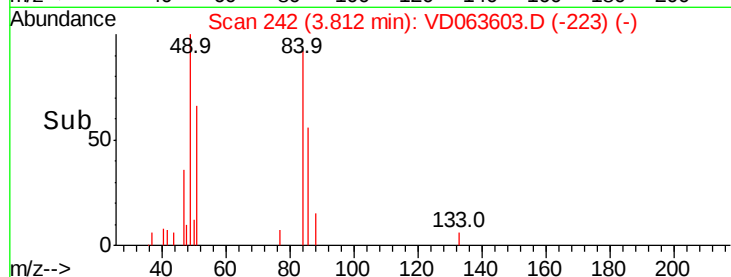
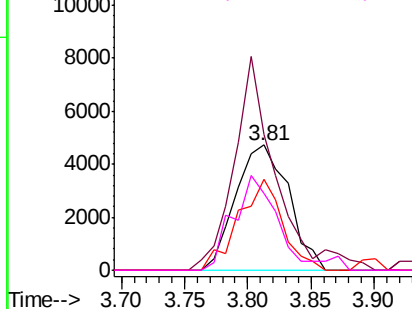
#20
Methvlene Chloride
Concen: 1.314 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063603.D
Acq: 15 Aug 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 13724
Ion Ratio Lower Upper
84 100
49 108.8 103.4 155.2
51 72.2 28.5 42.7#
86 61.4 49.4 74.2

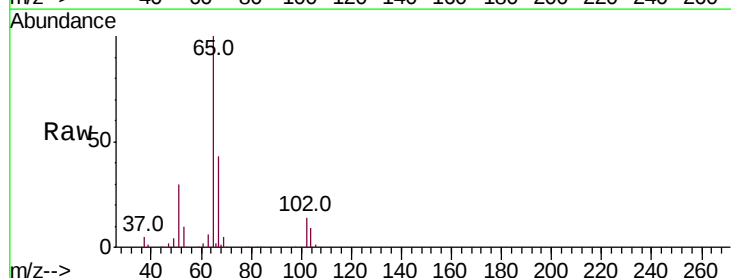


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

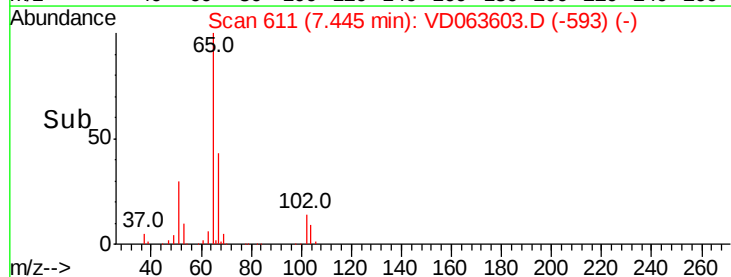
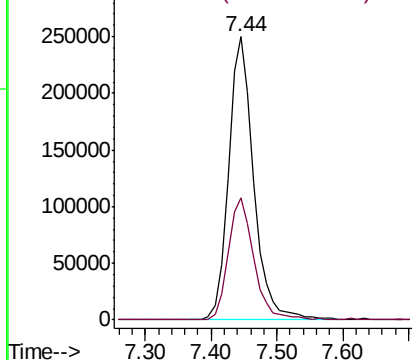


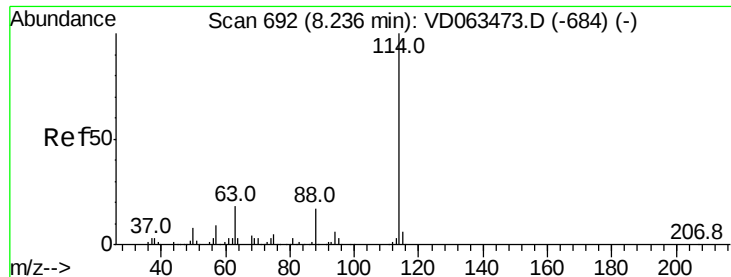
#33
1,2-Dichloroethane-d4
Concen: 55.958 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063603.D
Acq: 15 Aug 2019 14:03

Tgt Ion: 65 Resp: 665132
Ion Ratio Lower Upper
65 100
67 43.3 0.0 89.2



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: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD063603.D

Acq: 15 Aug 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

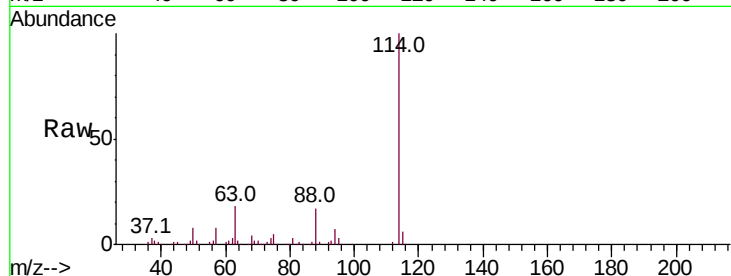
Tot Ion:114 Resp: 1494303

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

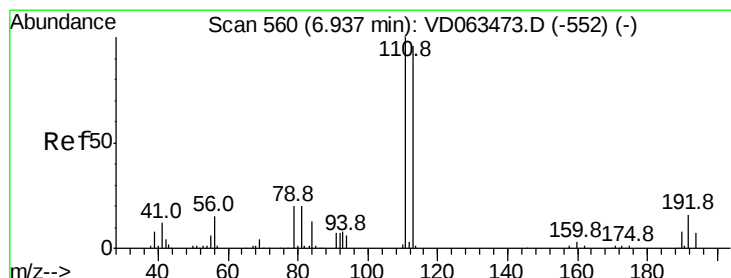
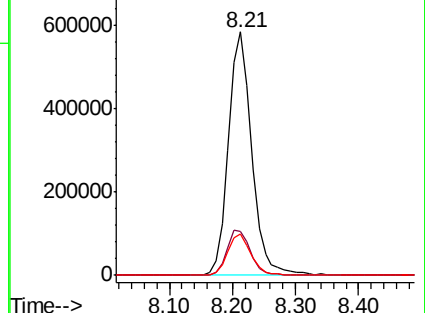
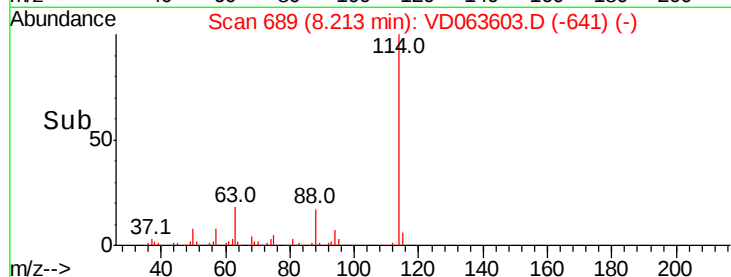
88 16.7 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 58.394 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063603.D

Acq: 15 Aug 2019 14:03

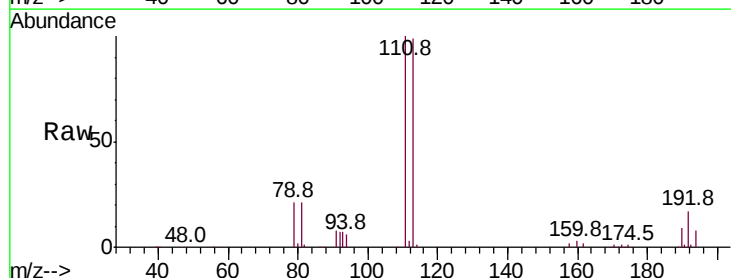
Tgt Ion:113 Resp: 734894

Ion Ratio Lower Upper

113 100

111 101.1 83.1 124.7

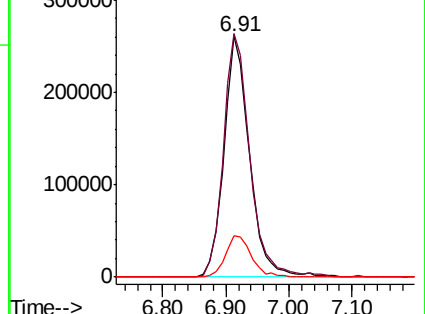
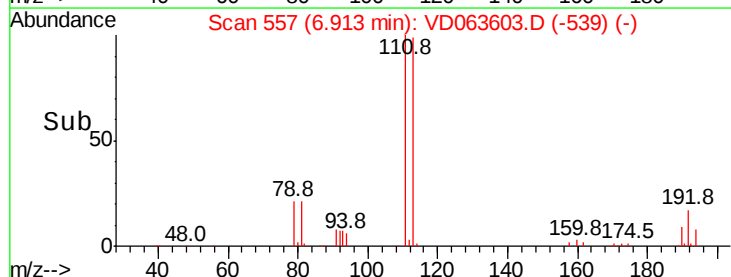
192 17.0 13.1 19.7

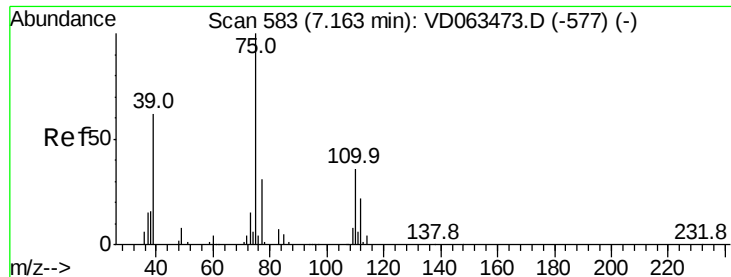


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.215 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.13 min

Lab File: VD063603.D

Acq: 15 Aug 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

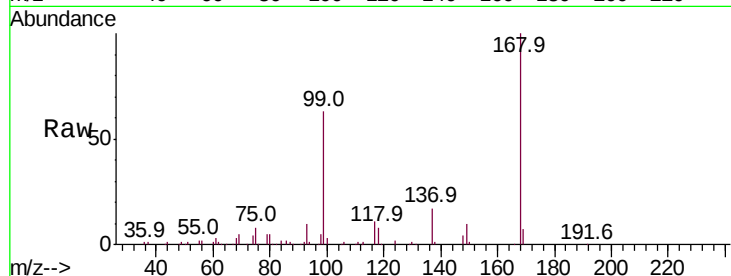
Tot Ion: 75 Resp: 82100

Ion Ratio Lower Upper

75 100

110 4.8 17.6 52.8#

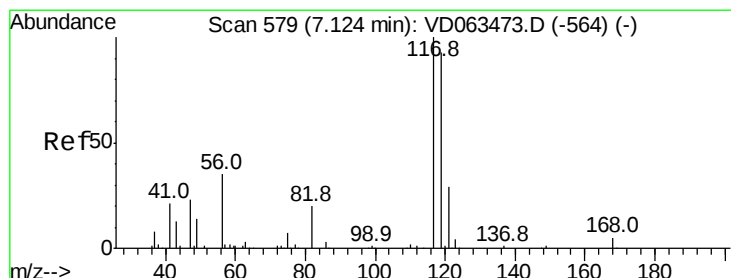
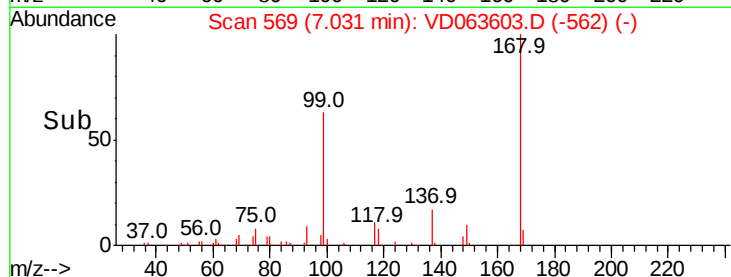
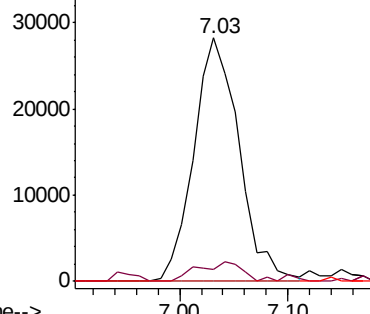
77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VD063603.D (-562) (-)

Ion 109.90 (109.60 to 110.60): VD063603.D (-562) (-)

Ion 76.95 (76.65 to 77.65): VD063603.D (-562) (-)



#38

Carbon Tetrachloride

Concen: 5.609 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD063603.D

Acq: 15 Aug 2019 14:03

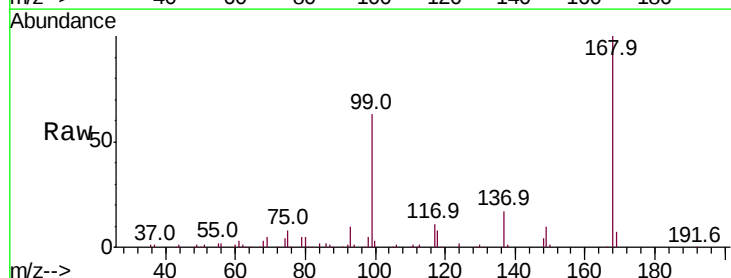
Tgt Ion: 117 Resp: 111665

Ion Ratio Lower Upper

117 100

119 3.3 74.2 111.2#

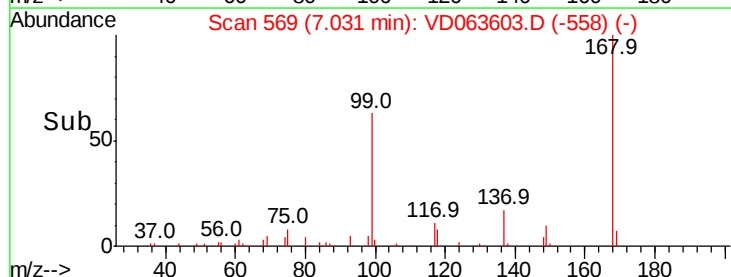
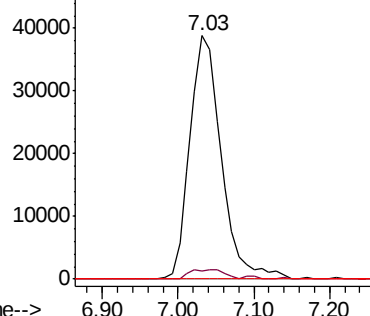
121 0.0 23.1 34.7#

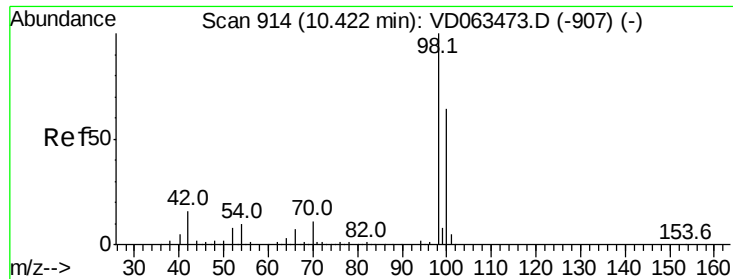


Abundance Ion 116.85 (116.55 to 117.55): VD063603.D (-558) (-)

Ion 118.85 (118.55 to 119.55): VD063603.D (-558) (-)

Ion 120.85 (120.55 to 121.55): VD063603.D (-558) (-)





#50

Toluene-d8

Concen: 61.308 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD063603.D

Acq: 15 Aug 2019 14:03

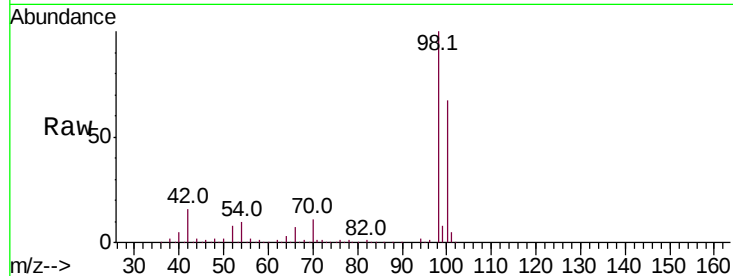
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1696326

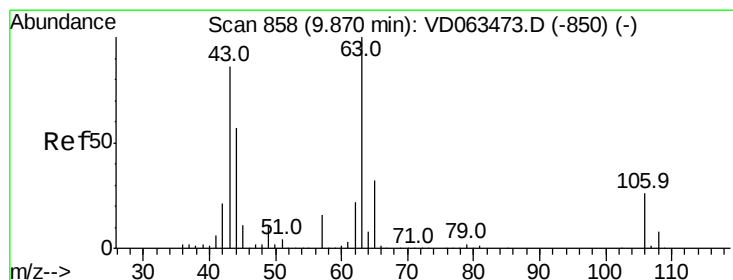
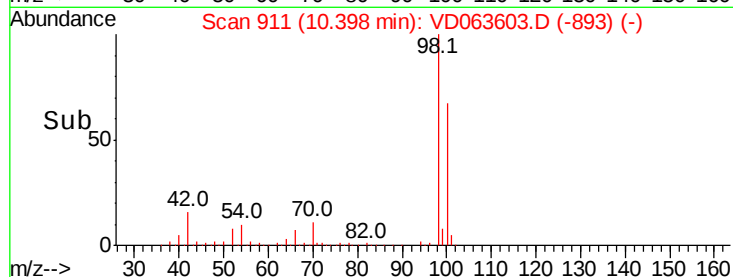
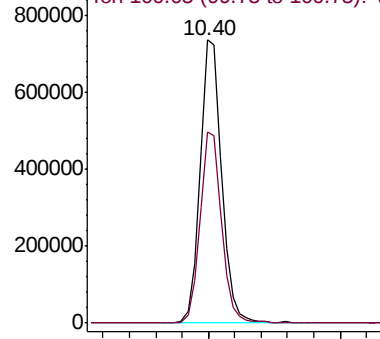
Ion Ratio Lower Upper

98 100

100 67.5 51.7 77.5



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



#58

2-Chloroethyl Vinyl ether

Concen: 1.874 ug/l

RT: 9.86 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD063603.D

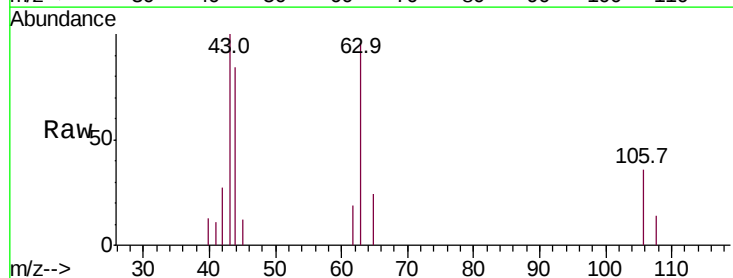
Acq: 15 Aug 2019 14:03

Tgt Ion: 63 Resp: 6793

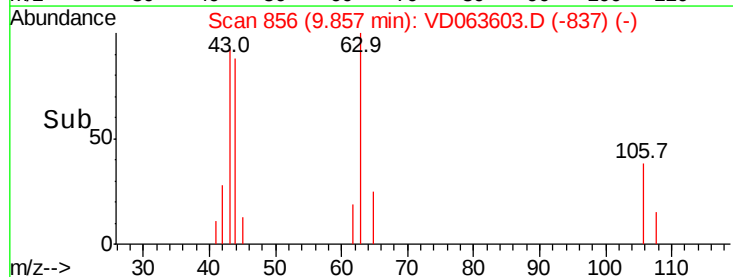
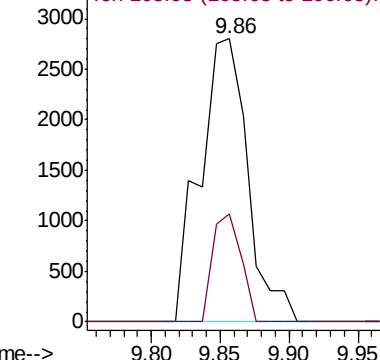
Ion Ratio Lower Upper

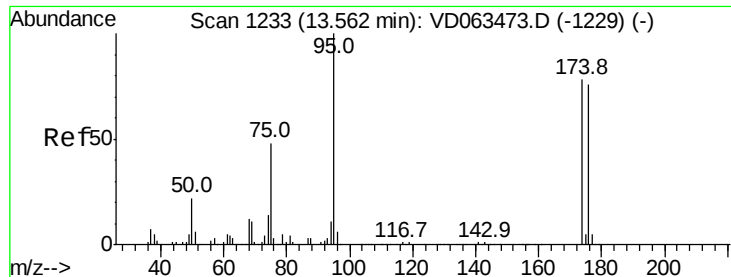
63 100

106 38.1 20.8 31.2#



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): VDC

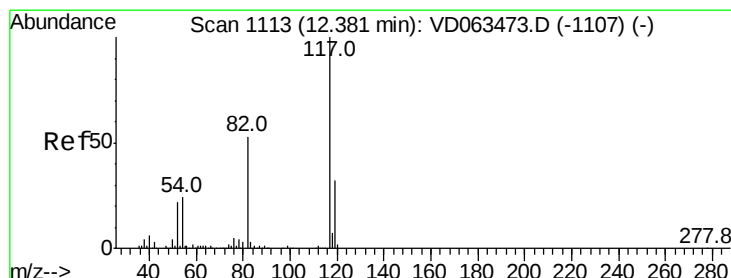
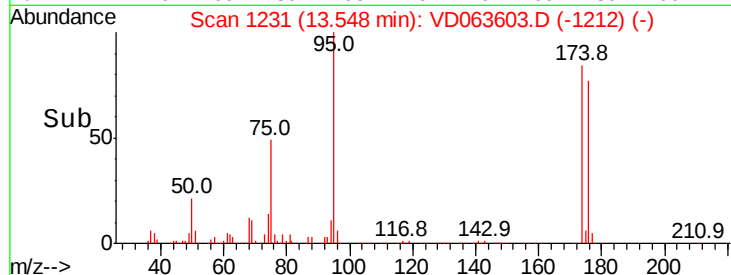
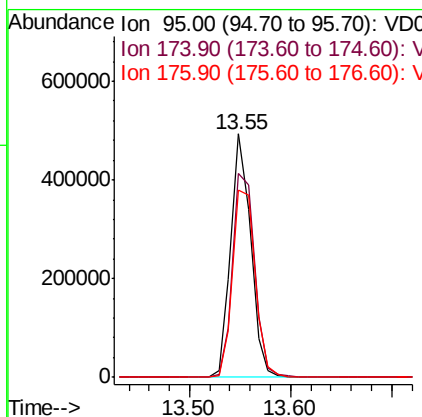
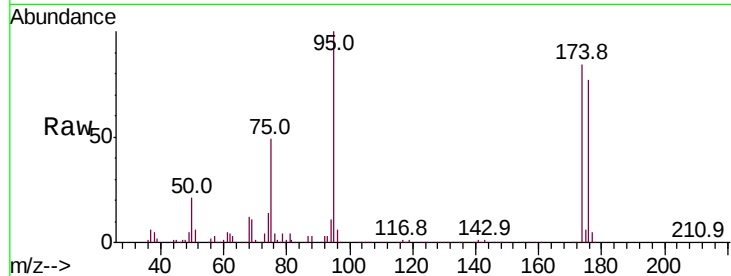




#62
4-Bromofluorobenzene
Concen: 53.983 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063603.D
Acq: 15 Aug 2019 14:03

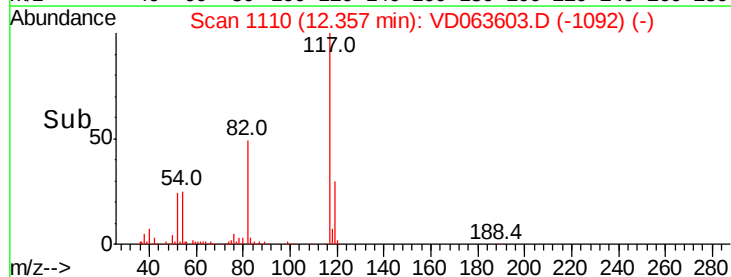
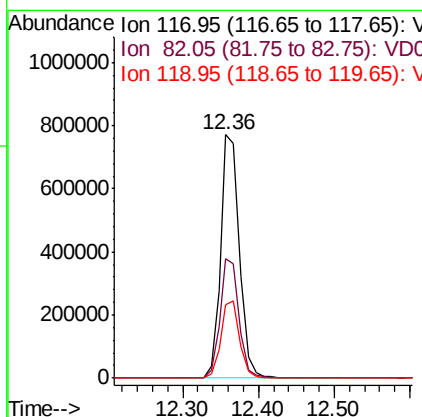
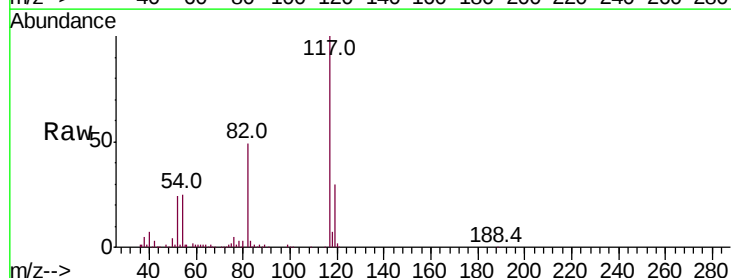
Instrument :
MSVOA_D
ClientSampleId :

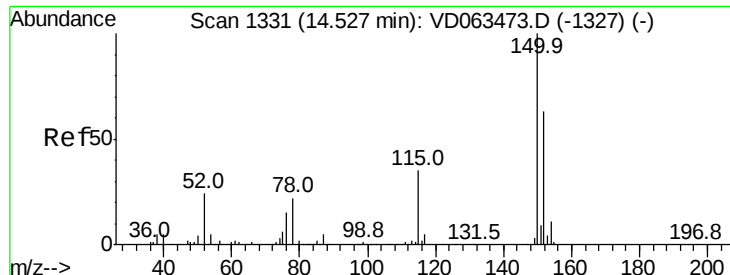
Tot Ion: 95 Resp: 676986
Ion Ratio Lower Upper
95 100
174 83.7 0.0 155.4
176 76.8 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD063603.D
Acq: 15 Aug 2019 14:03

Tgt Ion: 117 Resp: 1336835
Ion Ratio Lower Upper
117 100
82 49.3 42.0 63.0
119 30.2 25.4 38.0



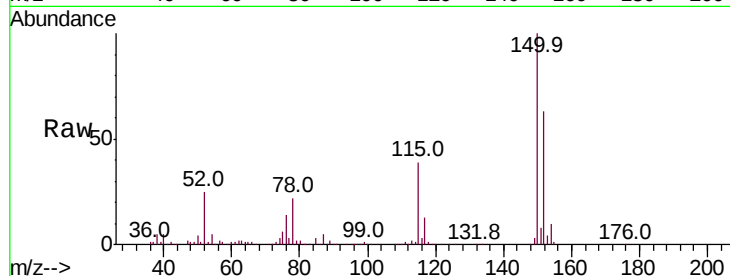


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063603.D
Acq: 15 Aug 2019 14:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.9	92.7
150	158.0	0.0	318.6

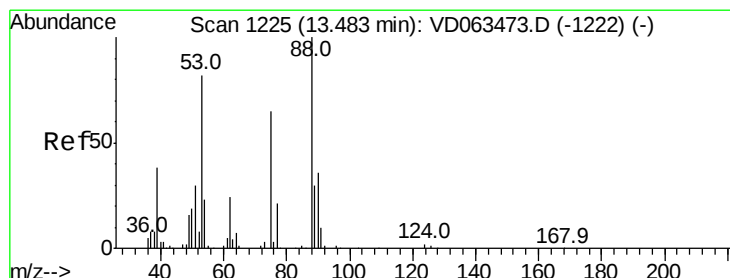
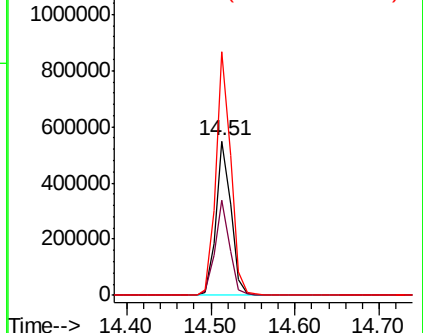
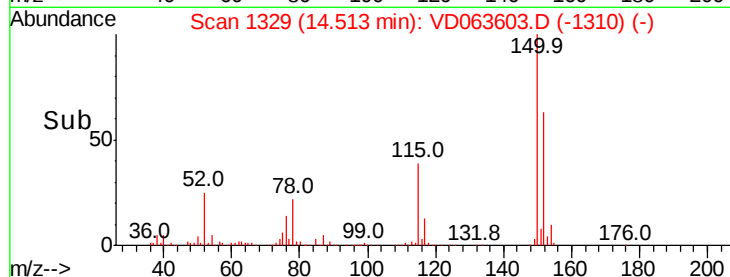


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

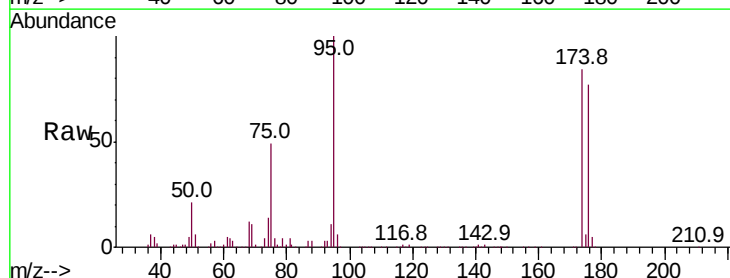
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 155.199 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD063603.D
Acq: 15 Aug 2019 14:03

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	101.0	151.4#
89	0.0	37.0	55.6#



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

