

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063057.D
 Acq On : 10 Jul 2019 14:45
 Operator : VA/AP
 Sample : VD0710SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBL01

Quant Time: Jul 11 07:00:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	965637	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1264889	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1139598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	596247	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	479356	45.67	ug/l	-0.02
Spiked Amount			Recovery	=	91.34%	
35) Dibromofluoromethane	6.91	113	543367	50.95	ug/l	-0.02
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	10.41	98	1126985	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	13.55	95	507061	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

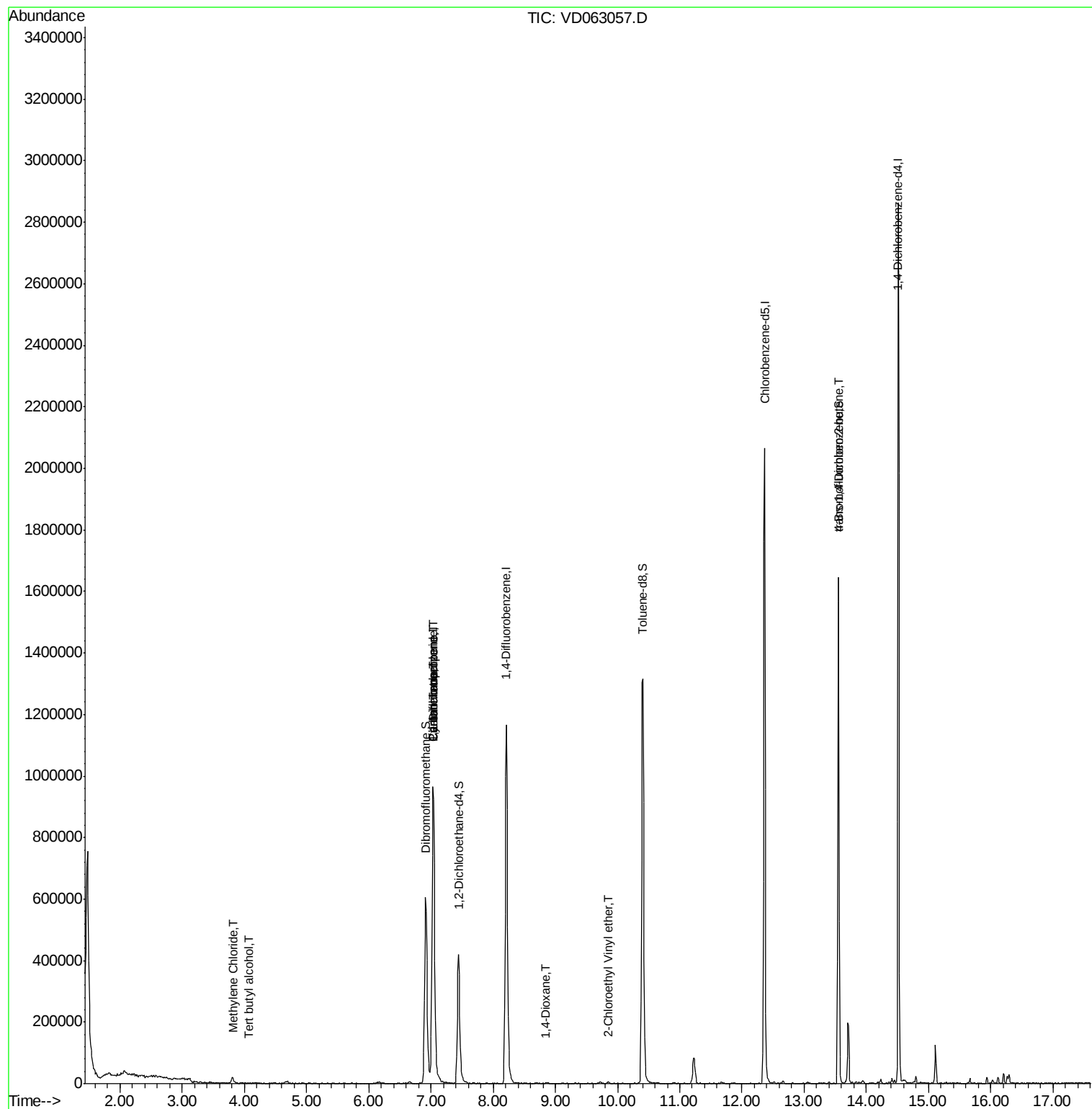
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	639	1.337	ug/l #	77
16) Acetone	3.20	43	3656	Below Cal	#	84
20) Methylene Chloride	3.81	84	9805	1.225	ug/l #	81
31) Cyclohexane	7.03	56	20480	2.078	ug/l #	18
36) 1,1-Dichloropropene	7.03	75	73751	6.159	ug/l #	59
37) Ethyl Acetate	6.17	43	235	Below Cal	#	69
38) Carbon Tetrachloride	7.03	117	97902	5.436	ug/l #	16
49) 1,4-Dioxane	8.83	88	186	5.012	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.86	63	3540	1.162	ug/l #	47
81) trans-1,4-Dichloro-2-buten	13.55	75	235997	130.819	ug/l #	2

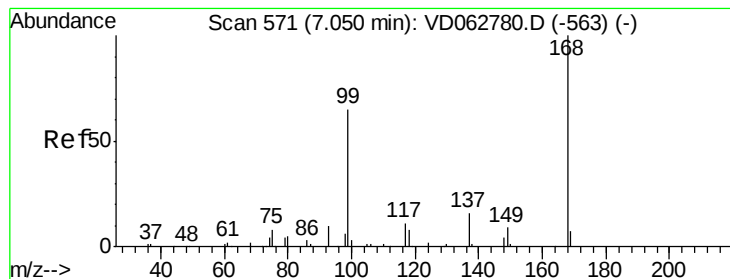
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071019\
Data File : VD063057.D
Acq On : 10 Jul 2019 14:45
Operator : VA/AP
Sample : VD0710SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBL01

Quant Time: Jul 11 07:00:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD063057.D

Acq: 10 Jul 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

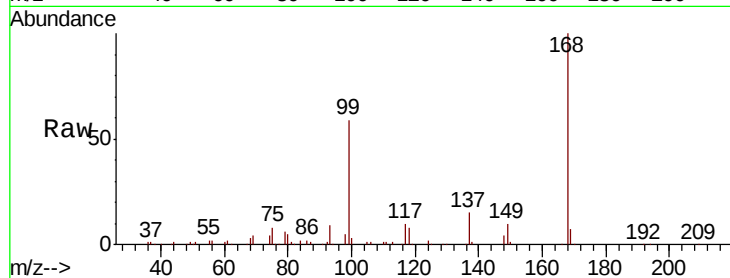
VD0710SBL01

Tot Ion:168 Resp: 965637

Ion Ratio Lower Upper

168 100

99 59.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

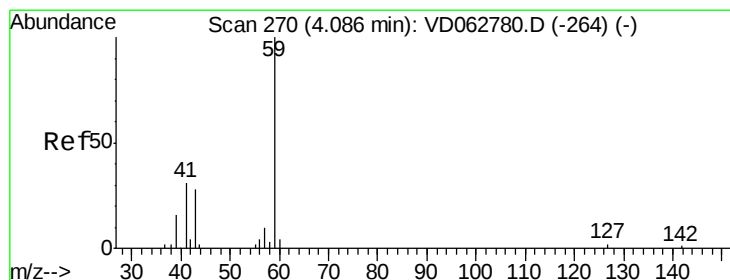
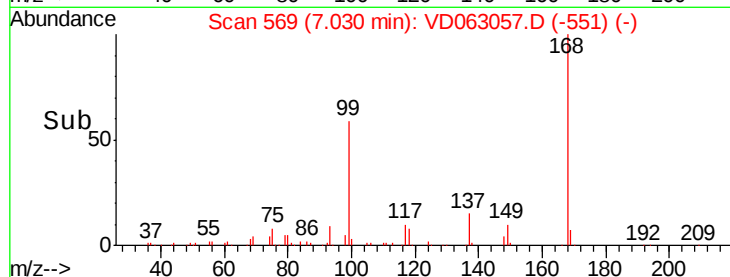
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.337 ug/l

RT: 4.07 min Scan# 268

Delta R.T. -0.02 min

Lab File: VD063057.D

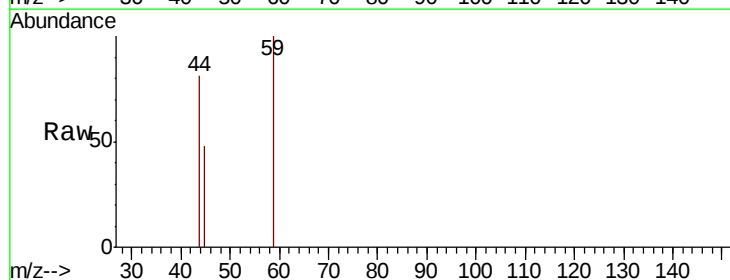
Acq: 10 Jul 2019 14:45

Tgt Ion: 59 Resp: 639

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.07

800

600

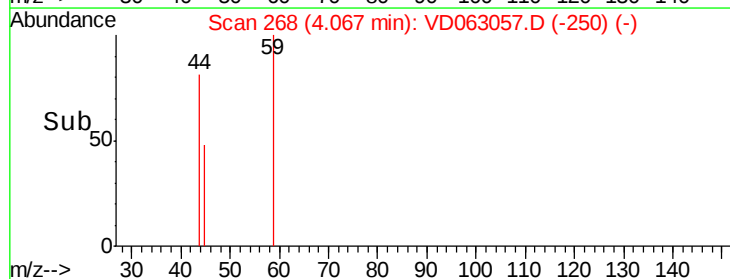
400

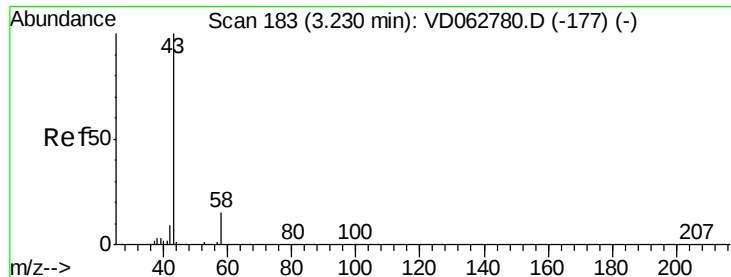
200

0

Time-->

4.05 4.10





#16

Acetone

Concen: Below Cal

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD063057.D

Acq: 10 Jul 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

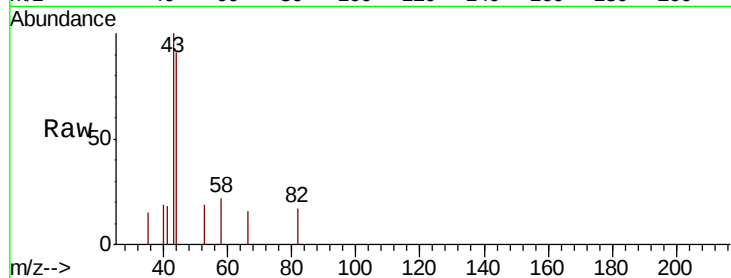
VD0710SBL01

Tot Ion: 43 Resp: 3656

Ion Ratio Lower Upper

43 100

58 21.6 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

2500

2000

1500

1000

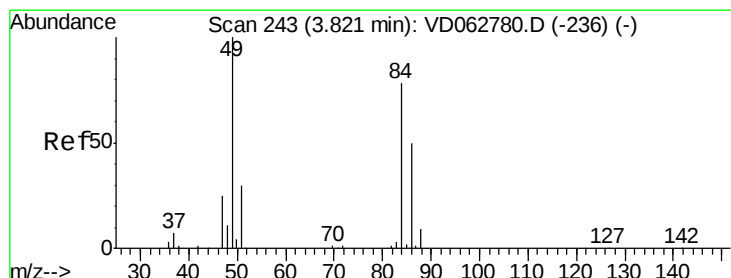
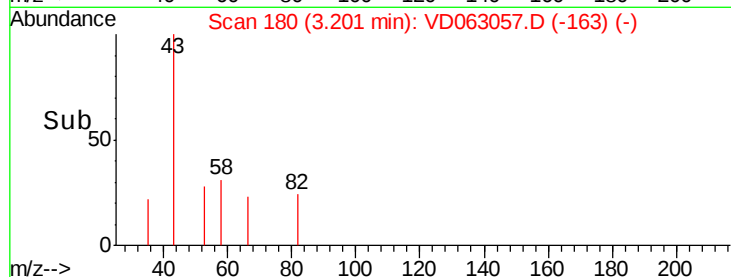
500

0

Time-->

3.15

3.20



#20

Methylene Chloride

Concen: 1.225 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD063057.D

Acq: 10 Jul 2019 14:45

Tgt Ion: 84 Resp: 9805

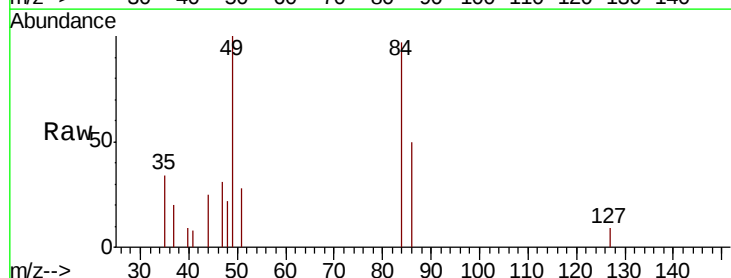
Ion Ratio Lower Upper

84 100

49 103.5 102.9 154.3

51 28.8 31.2 46.8#

86 51.7 51.4 77.2



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

6000

4000

2000

0

Time-->

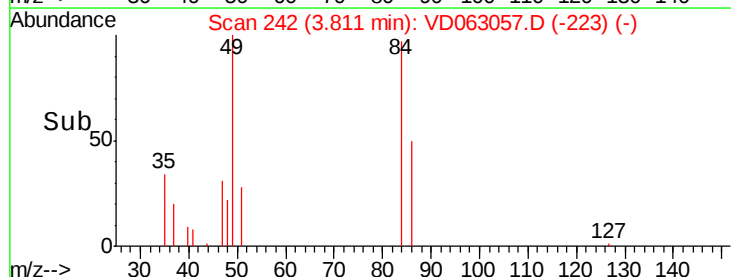
3.70

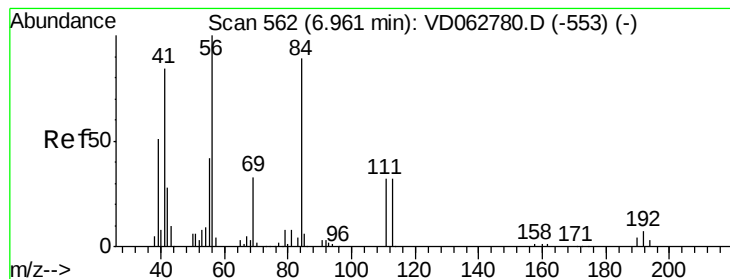
3.75

3.80

3.85

3.90





#31

Cyclohexane

Concen: 2.078 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.07 min

Lab File: VD063057.D

Acq: 10 Jul 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBL01

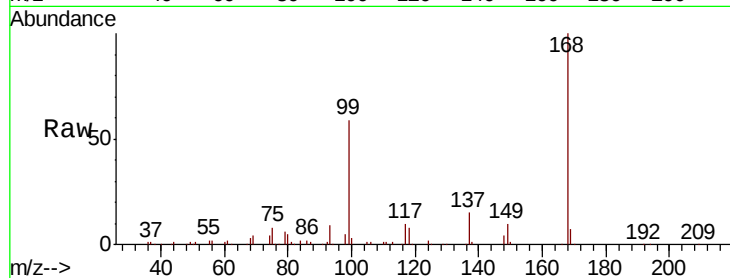
Tot Ion: 56 Resp: 20480

Ion Ratio Lower Upper

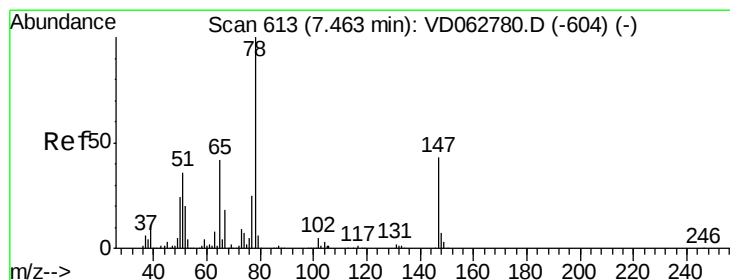
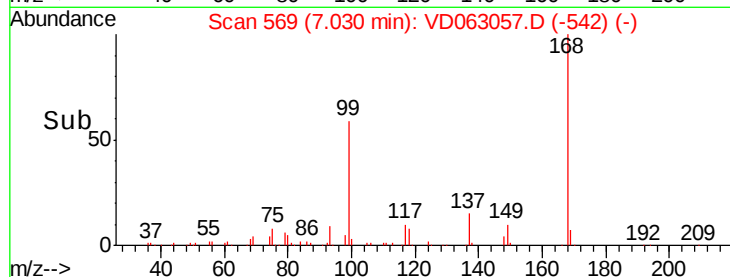
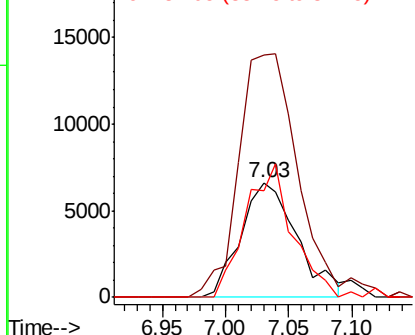
56 100

69 211.5 26.6 39.8#

84 93.8 75.5 113.3



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: 45.669 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063057.D

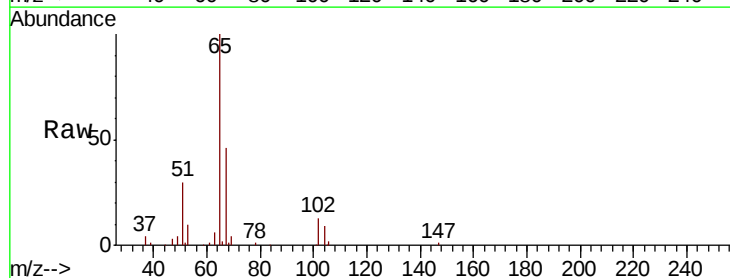
Acq: 10 Jul 2019 14:45

Tgt Ion: 65 Resp: 479356

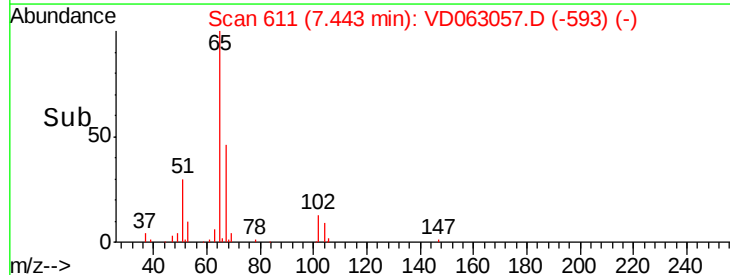
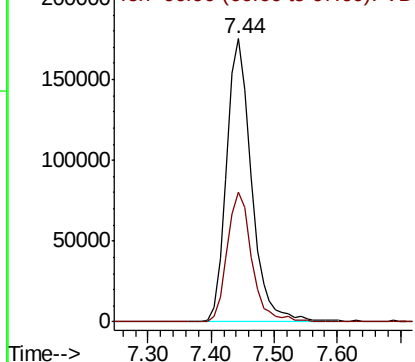
Ion Ratio Lower Upper

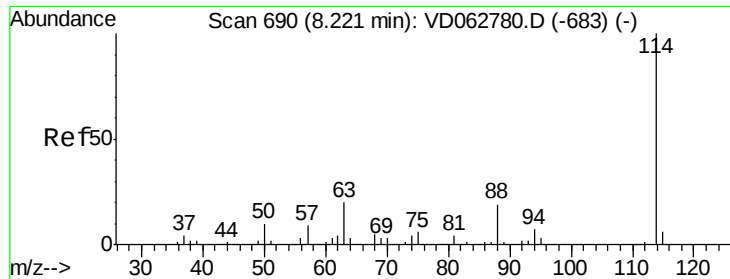
65 100

67 45.7 0.0 87.4



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

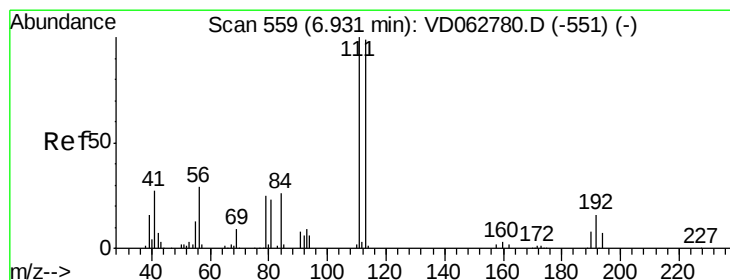
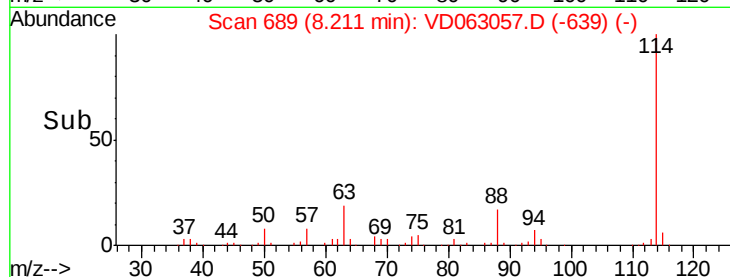
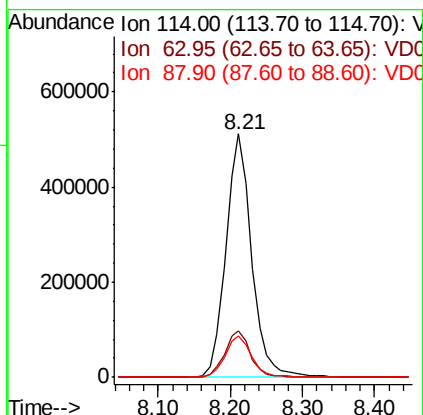
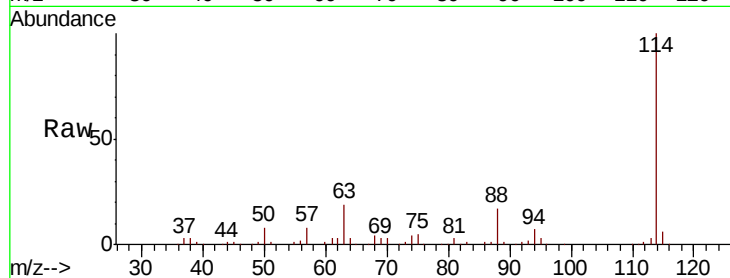




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD063057.D
 Acq: 10 Jul 2019 14:45

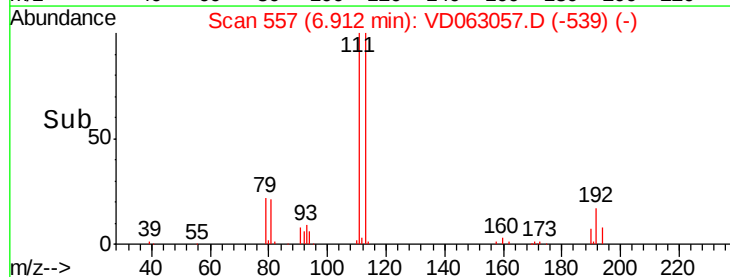
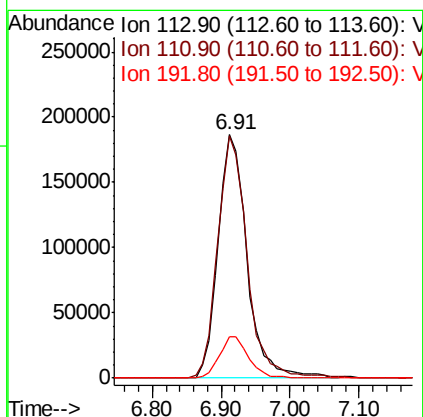
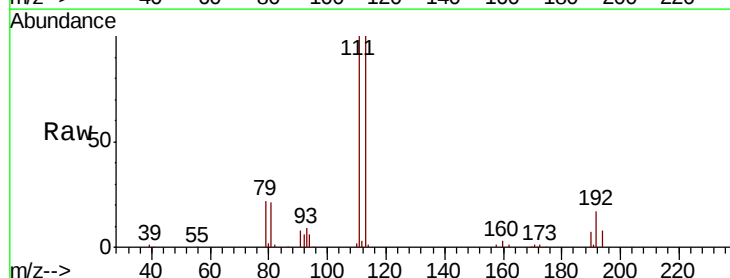
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBL01

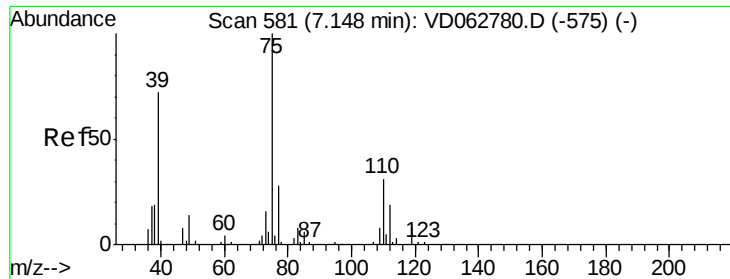
Tot Ion:114 Resp: 1264889
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 17.2 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 50.946 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD063057.D
 Acq: 10 Jul 2019 14:45

Tgt Ion:113 Resp: 543367
 Ion Ratio Lower Upper
 113 100
 111 99.8 81.2 121.8
 192 17.1 12.9 19.3





#36

1,1-Dichloropropene

Concen: 6.159 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.12 min

Lab File: VD063057.D

Acq: 10 Jul 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBL01

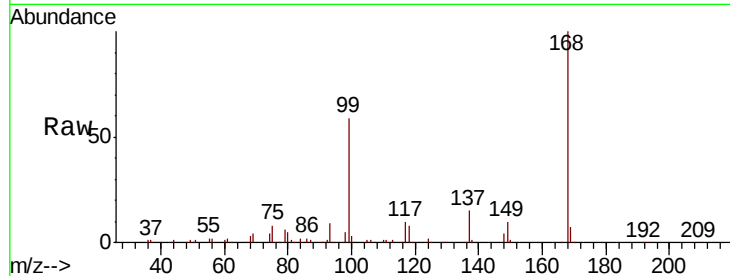
Tot Ion: 75 Resp: 73751

Ion Ratio Lower Upper

75 100

110 12.2 15.0 45.1#

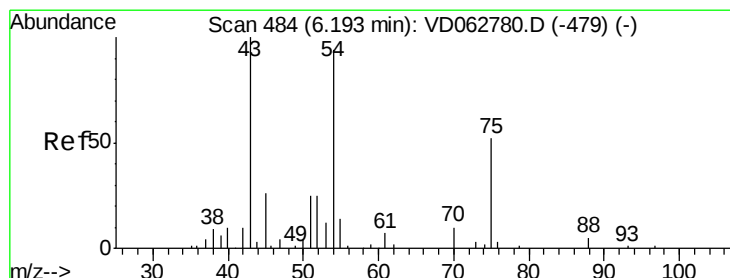
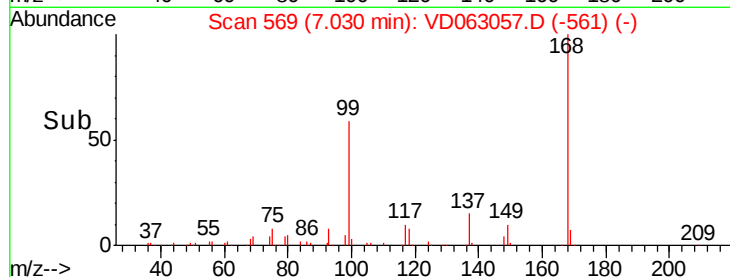
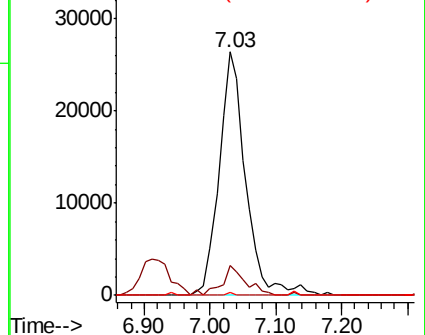
77 1.2 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.17 min Scan# 482

Delta R.T. -0.02 min

Lab File: VD063057.D

Acq: 10 Jul 2019 14:45

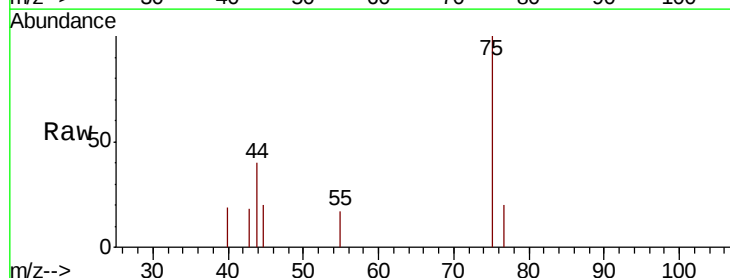
Tgt Ion: 43 Resp: 235

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

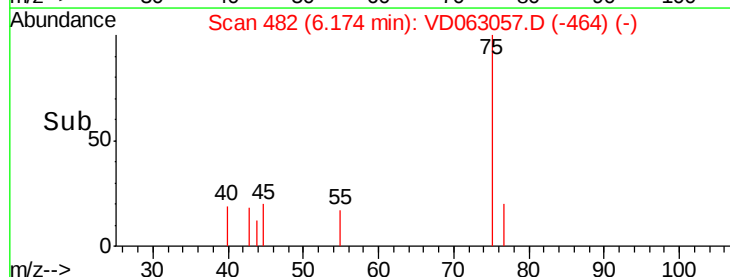
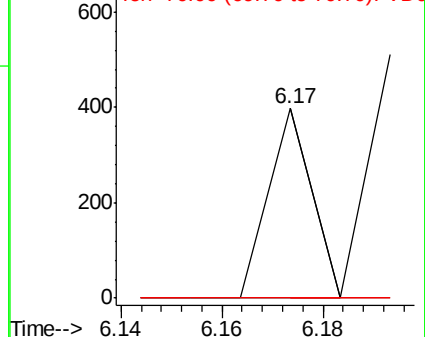
70 0.0 6.4 9.6#

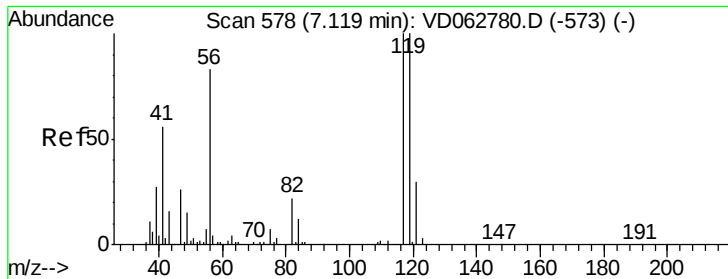


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.436 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD063057.D

Acq: 10 Jul 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBL01

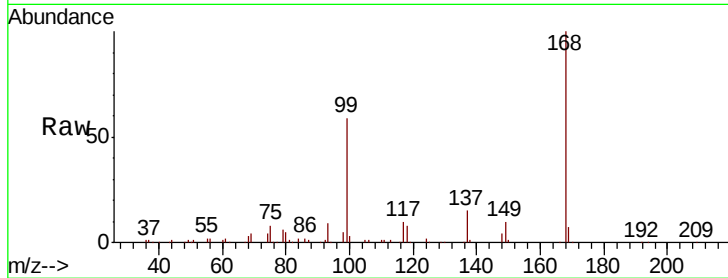
Tot Ion:117 Resp: 97902

Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.2#

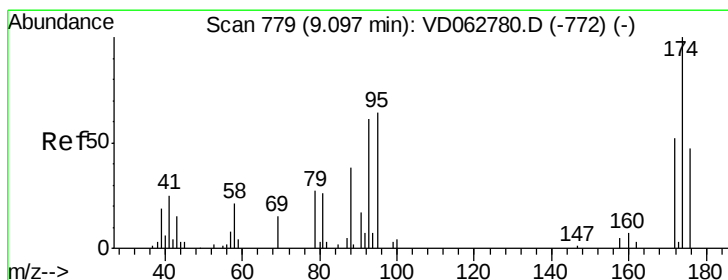
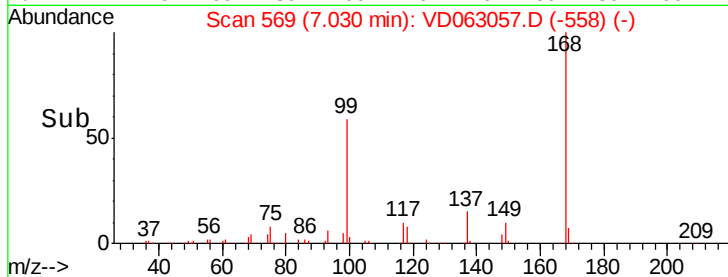
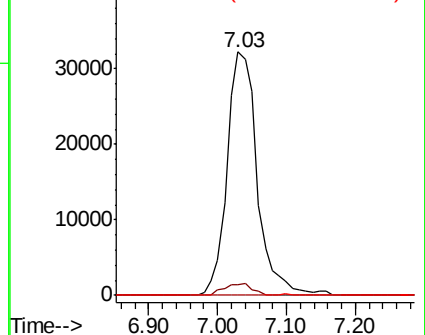
121 0.0 22.3 33.5#



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



#49

1,4-Dioxane

Concen: 5.012 ug/l

RT: 8.83 min Scan# 752

Delta R.T. -0.27 min

Lab File: VD063057.D

Acq: 10 Jul 2019 14:45

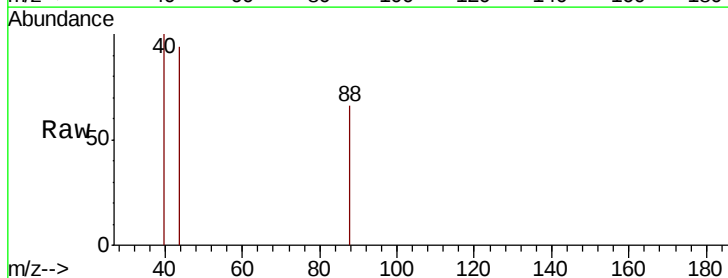
Tgt Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 142.2 32.1 48.1#

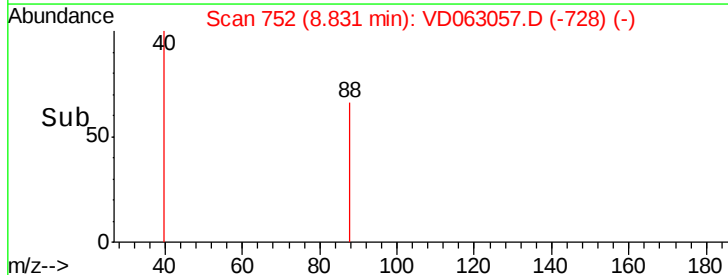
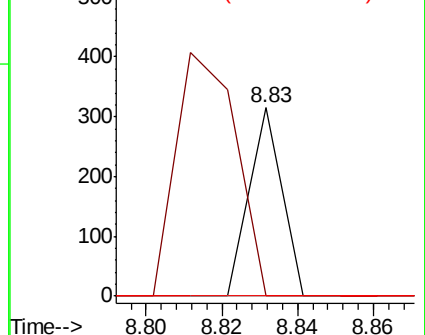
58 0.0 44.1 66.1#

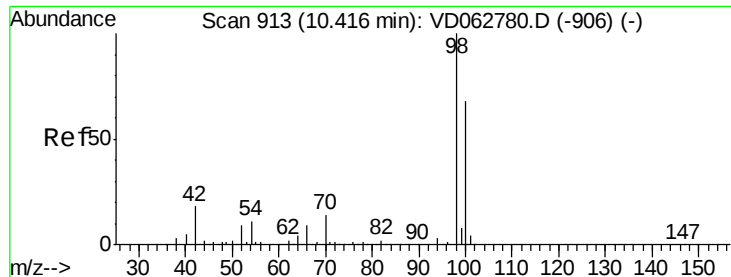


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

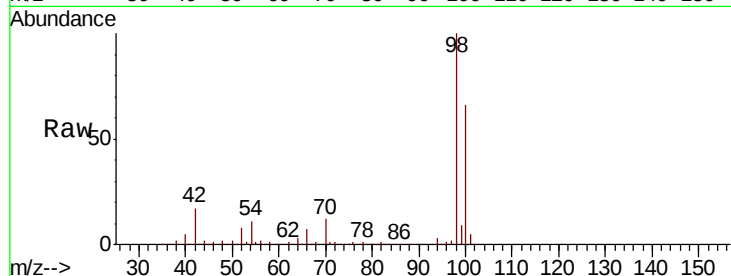




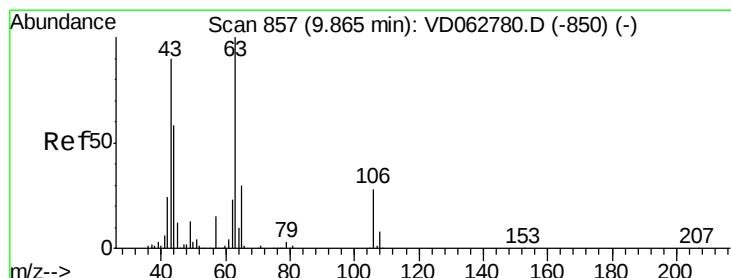
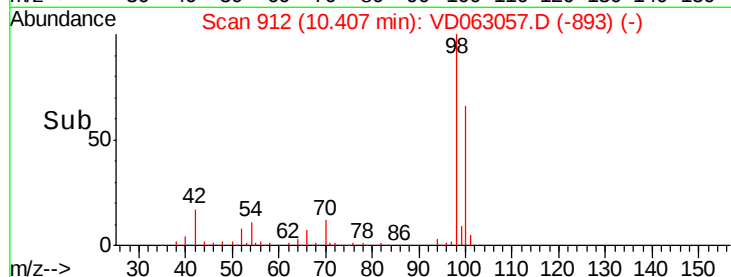
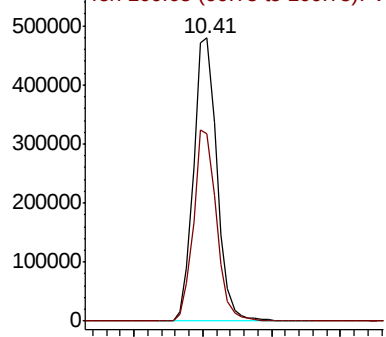
#50
Toluene-d8
Concen: 48.550 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063057.D
Acq: 10 Jul 2019 14:45

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBL01

Tot Ion: 98 Resp: 1126985
Ion Ratio Lower Upper
98 100
100 66.2 54.7 82.1

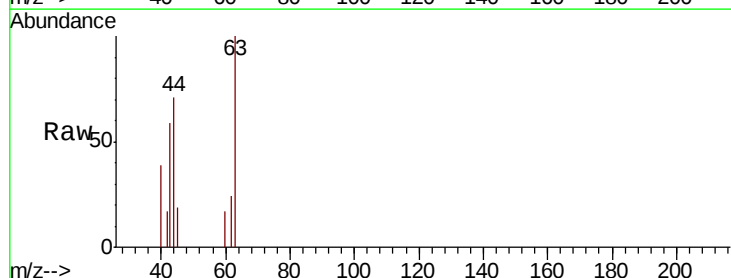


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

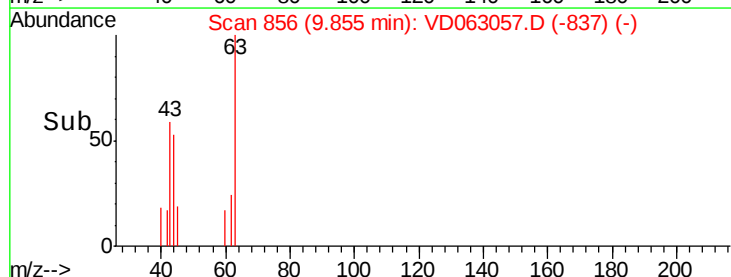
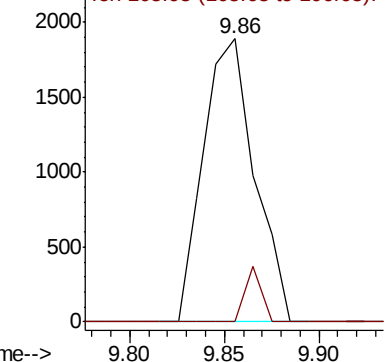


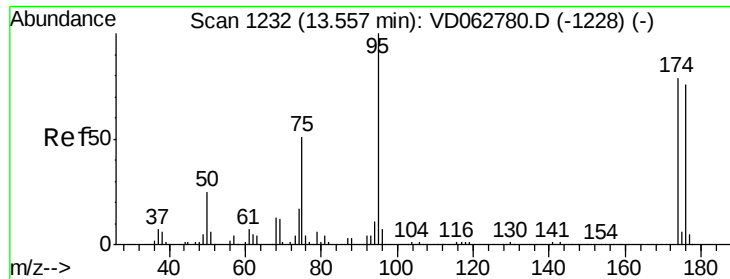
#58
2-Chloroethyl Vinyl ether
Concen: 1.162 ug/l
RT: 9.86 min Scan# 856
Delta R.T. -0.01 min
Lab File: VD063057.D
Acq: 10 Jul 2019 14:45

Tgt Ion: 63 Resp: 3540
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#



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

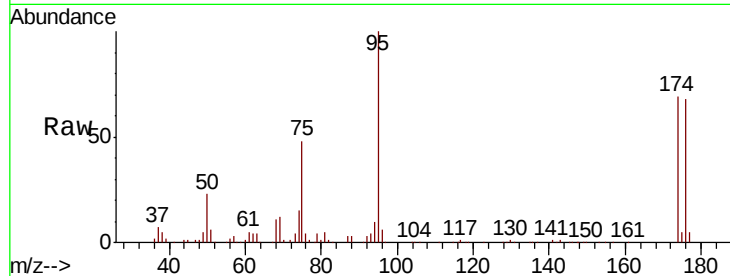




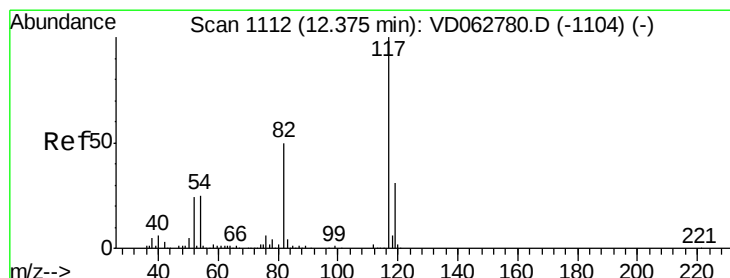
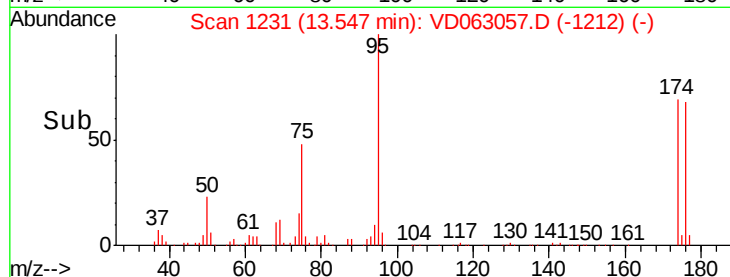
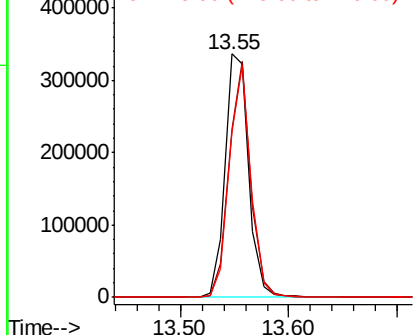
#62
4-Bromofluorobenzene
Concen: 48.039 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063057.D
Acq: 10 Jul 2019 14:45

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBL01

Tot Ion: 95 Resp: 507061
Ion Ratio Lower Upper
95 100
174 69.0 0.0 158.0
176 67.9 0.0 151.6

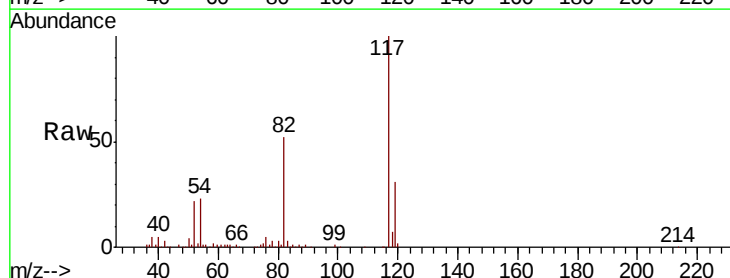


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

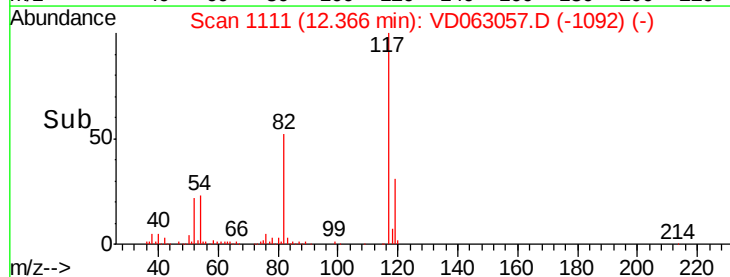
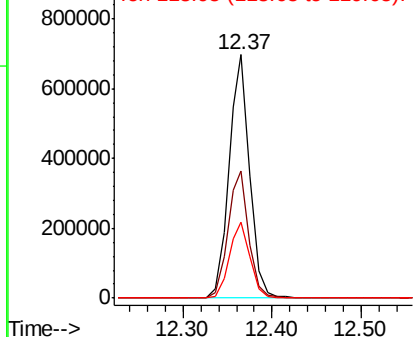


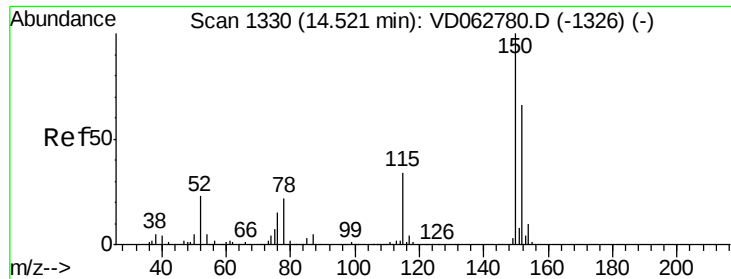
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063057.D
Acq: 10 Jul 2019 14:45

Tgt Ion: 117 Resp: 1139598
Ion Ratio Lower Upper
117 100
82 52.0 40.4 60.6
119 31.3 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



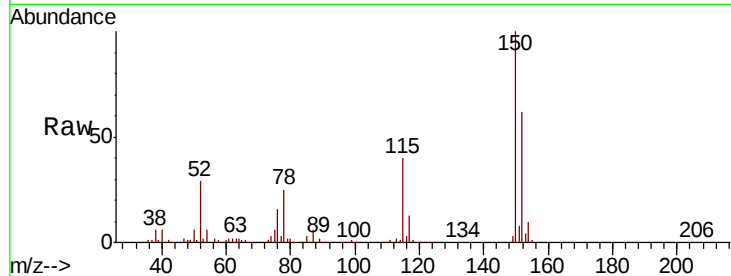


#72

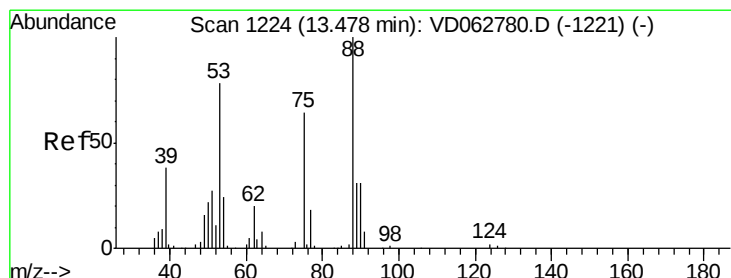
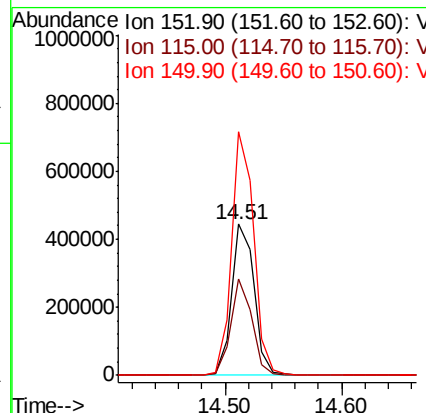
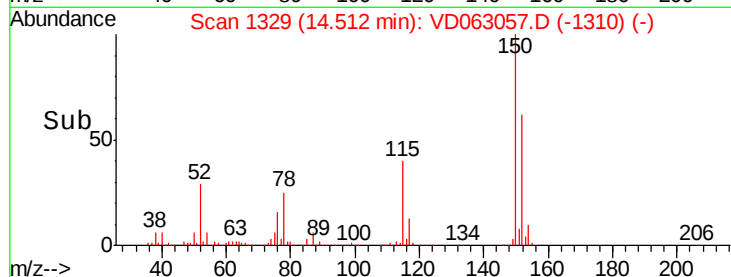
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063057.D
Acq: 10 Jul 2019 14:45

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.1	29.2	87.6
150	161.4	0.0	305.8



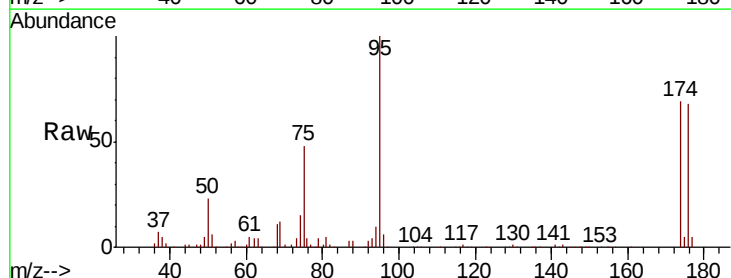
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 130.819 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD063057.D
Acq: 10 Jul 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	97.8	146.8#
89	0.0	39.4	59.2#



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

