

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
 Data File : VD063376.D
 Acq On : 5 Aug 2019 13:02
 Operator : VA/AP
 Sample : VD0805SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBL01

Quant Time: Aug 06 07:48:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1003647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1380956	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1183941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	591142	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	607351	54.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.08%	
35) Dibromofluoromethane	6.92	113	666124	56.50	ug/l	0.02
Spiked Amount 50.000			Recovery	=	113.00%	
50) Toluene-d8	10.41	98	1451812	55.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.04%	
62) 4-Bromofluorobenzene	13.55	95	591268	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	

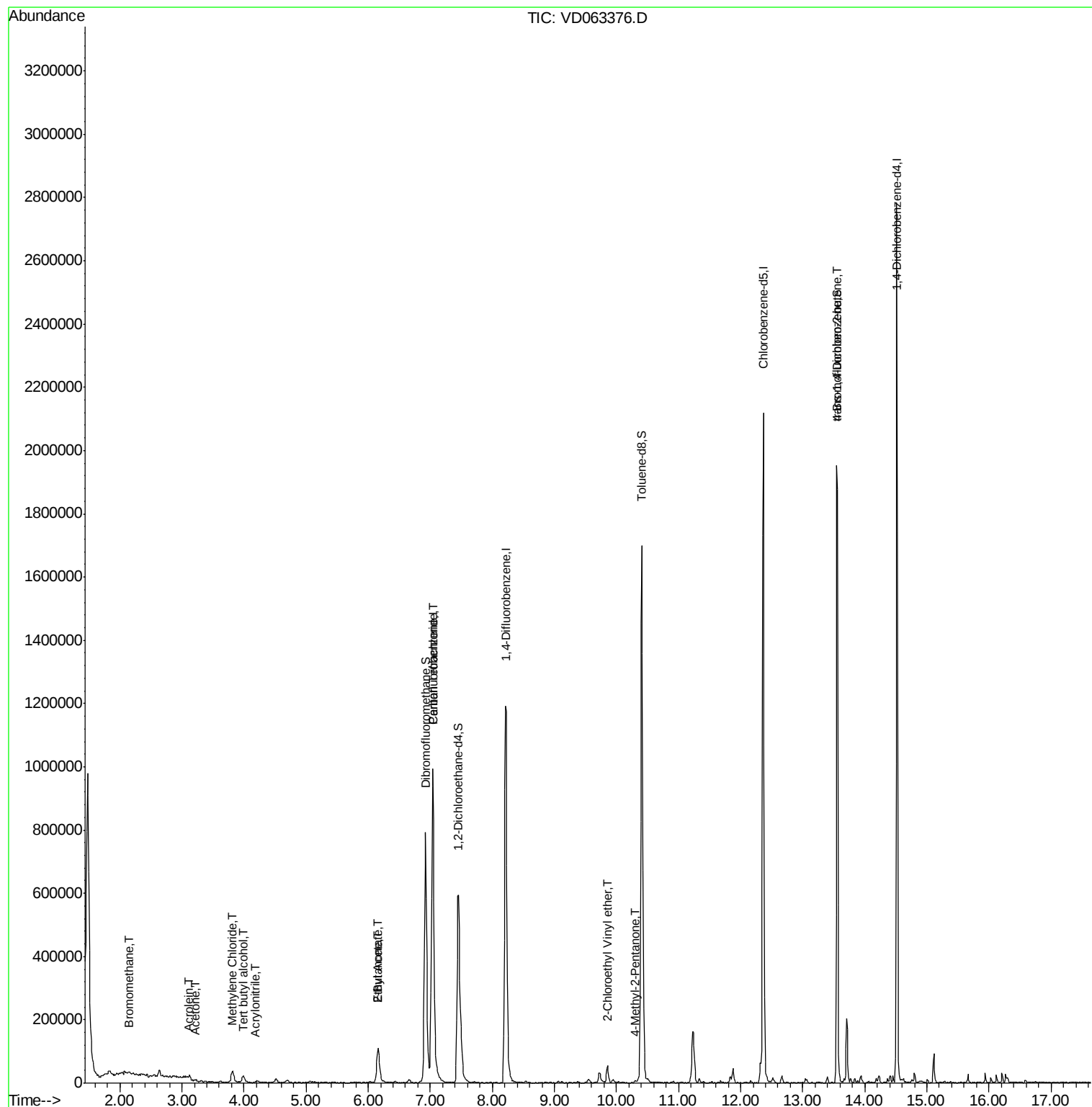
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	7425	1.492	ug/l #	74
11) Tert butyl alcohol	3.99	59	20083	41.093	ug/l #	69
13) Acrolein	3.10	56	667	1.418	ug/l	91
15) Acrylonitrile	4.19	53	2267	1.789	ug/l #	36
16) Acetone	3.21	43	14340	6.609	ug/l #	82
20) Methylene Chloride	3.81	84	21234	2.421	ug/l #	69
25) 2-Butanone	6.16	43	13822	6.347	ug/l #	56
37) Ethyl Acetate	6.16	43	13822	2.441	ug/l #	2
38) Carbon Tetrachloride	7.04	117	99036	5.220	ug/l #	14
51) 4-Methyl-2-Pentanone	10.30	43	7964	1.619	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.86	63	26010	7.694	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.55	75	265226	134.521	ug/l #	3

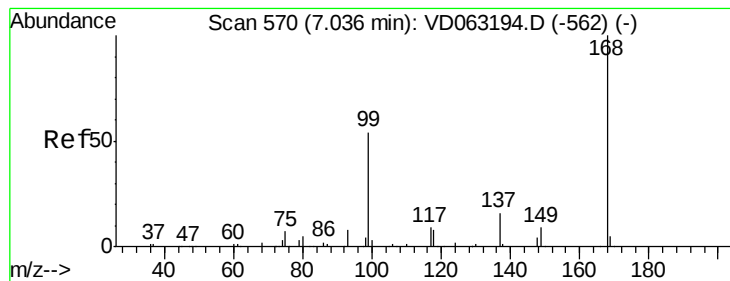
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
Data File : VD063376.D
Acq On : 5 Aug 2019 13:02
Operator : VA/AP
Sample : VD0805SBL01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0805SBL01

Quant Time: Aug 06 07:48:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063376.D

Acq: 5 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

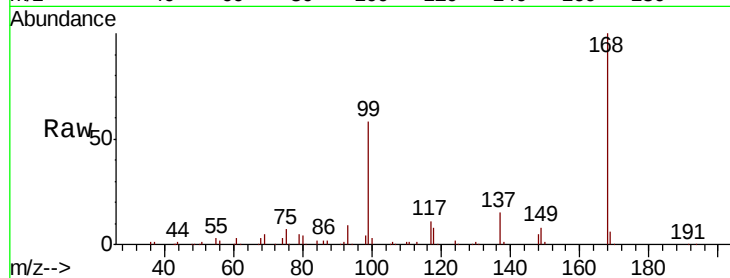
VD0805SBL01

Tgt Ion:168 Resp: 1003647

Ion Ratio Lower Upper

168 100

99 57.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

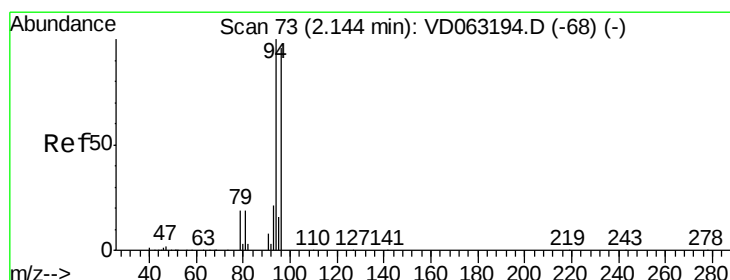
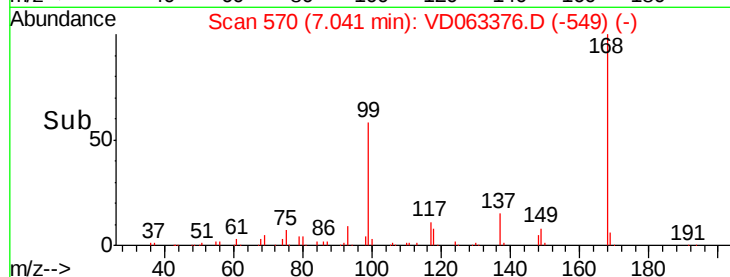
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.492 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD063376.D

Acq: 5 Aug 2019 13:02

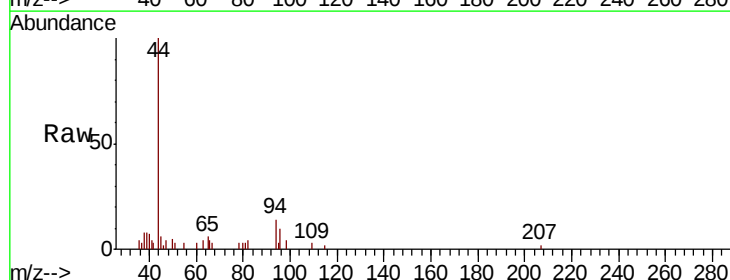
Tgt Ion: 94 Resp: 7425

Ion Ratio Lower Upper

94 100

96 74.8 76.4 114.6#

93 0.0 17.3 25.9#



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

2500

2000

1500

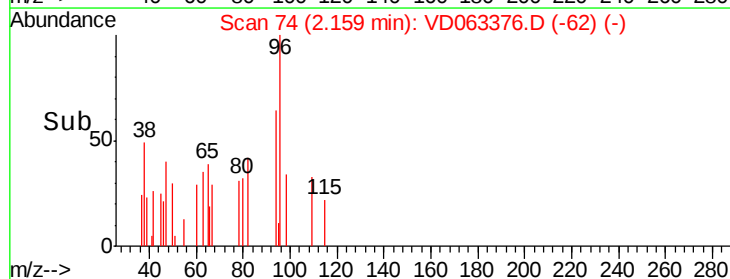
1000

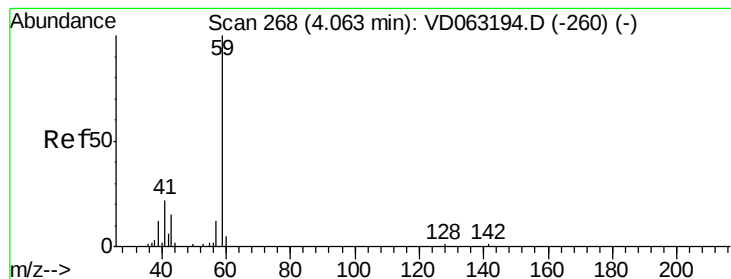
500

0

Time-->

2.10 2.15 2.20





#11

Tert butyl alcohol

Concen: 41.093 ug/l

RT: 3.99 min Scan# 260

Delta R.T. -0.07 min

Lab File: VD063376.D

Acq: 5 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

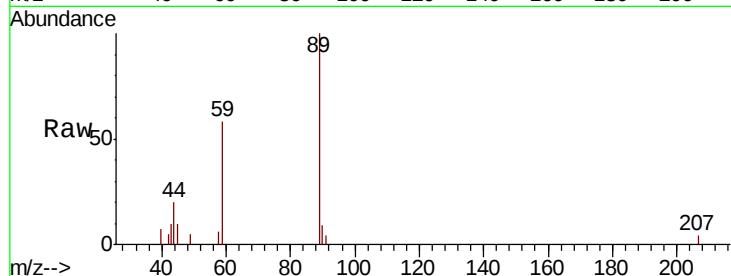
VD0805SBL01

Tgt Ion: 59 Resp: 20083

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.99

6000

5000

4000

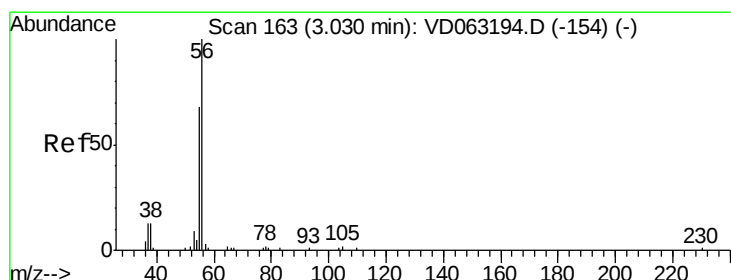
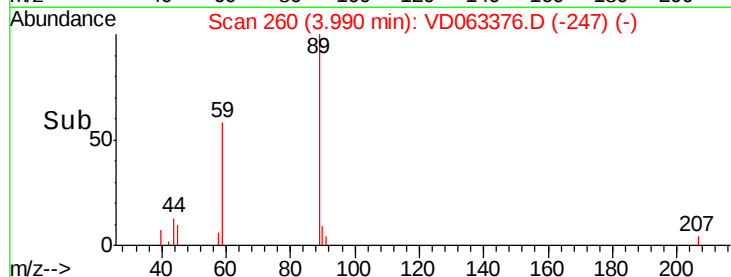
3000

2000

1000

0

Time-->



#13

Acrolein

Concen: 1.418 ug/l

RT: 3.10 min Scan# 170

Delta R.T. 0.07 min

Lab File: VD063376.D

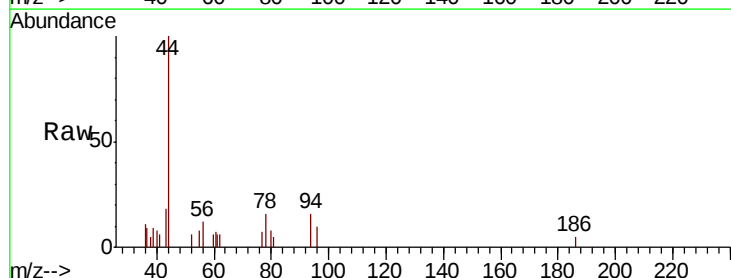
Acq: 5 Aug 2019 13:02

Tgt Ion: 56 Resp: 667

Ion Ratio Lower Upper

56 100

55 62.0 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.10

1000

800

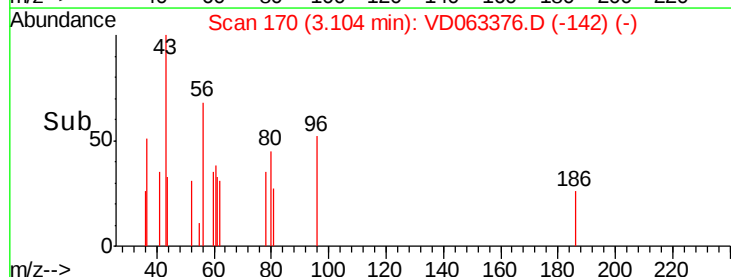
600

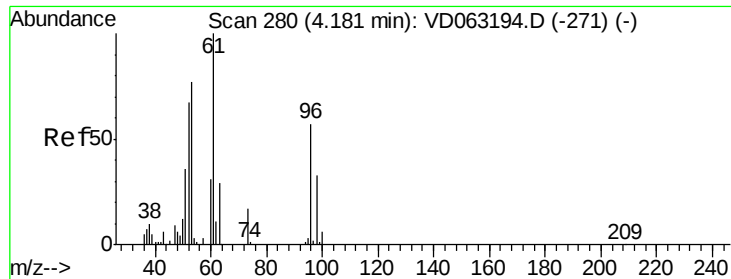
400

200

0

Time-->

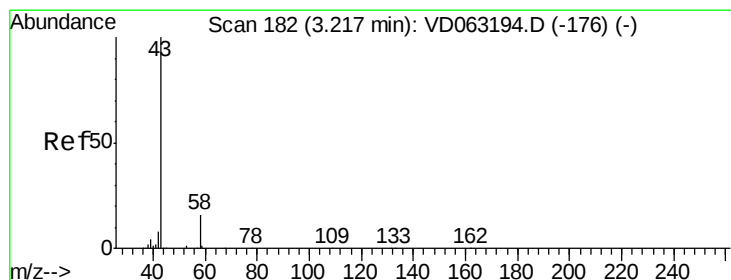
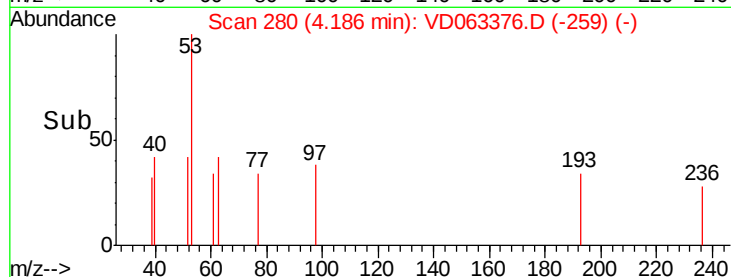
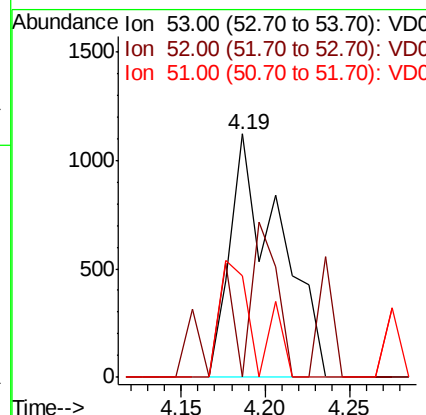
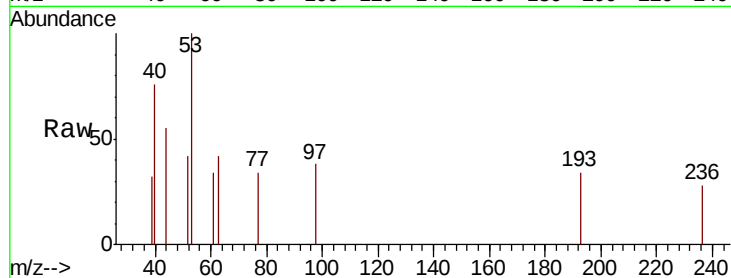




#15
 Acrylonitrile
 Concen: 1.789 ug/l
 RT: 4.19 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VD063376.D
 Acq: 5 Aug 2019 13:02

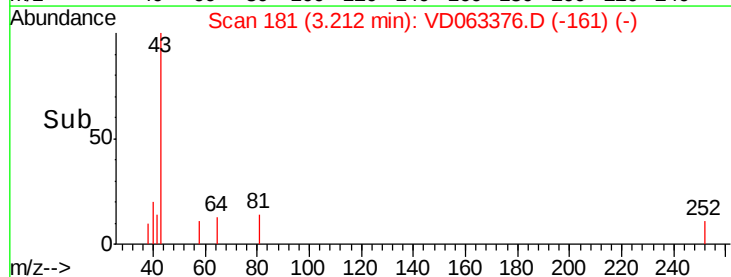
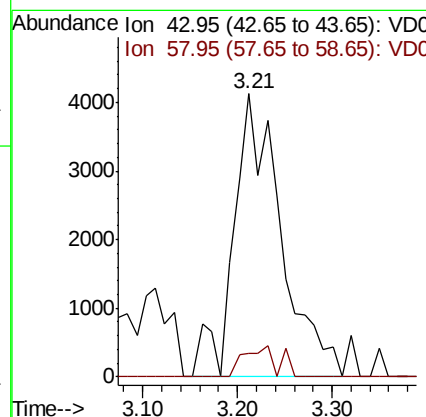
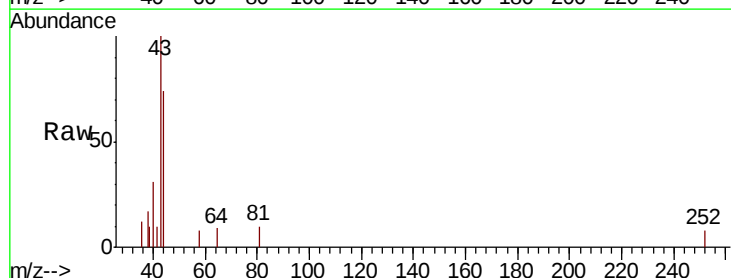
Instrument :
 MSVOA_D
 ClientSampled :
 VD0805SBL01

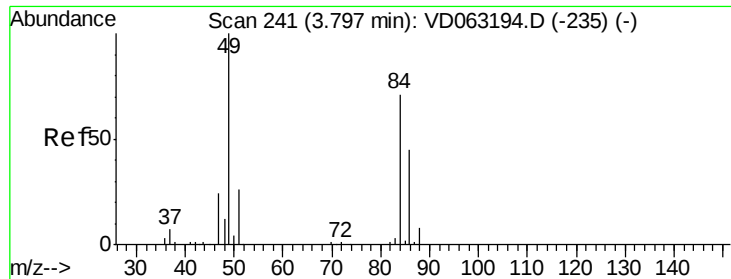
Tgt Ion: 53 Resp: 2267
 Ion Ratio Lower Upper
 53 100
 52 0.0 69.7 104.5#
 51 41.5 37.4 56.0



#16
 Acetone
 Concen: 6.609 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. -0.00 min
 Lab File: VD063376.D
 Acq: 5 Aug 2019 13:02

Tgt Ion: 43 Resp: 14340
 Ion Ratio Lower Upper
 43 100
 58 8.4 13.0 19.4#

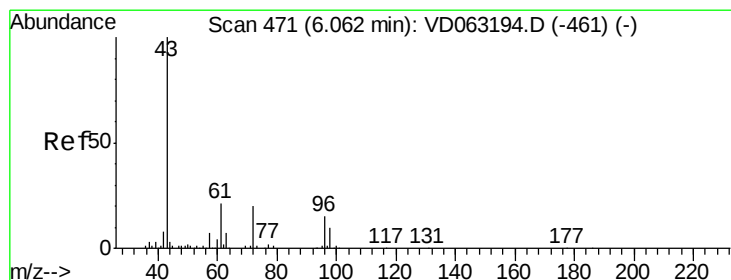
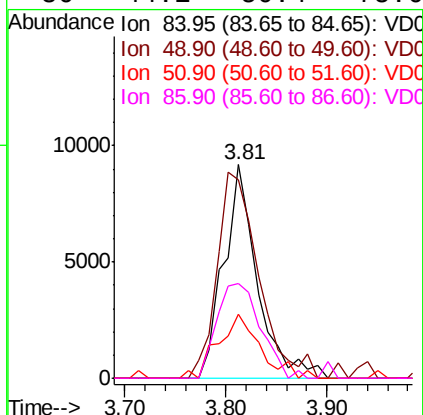
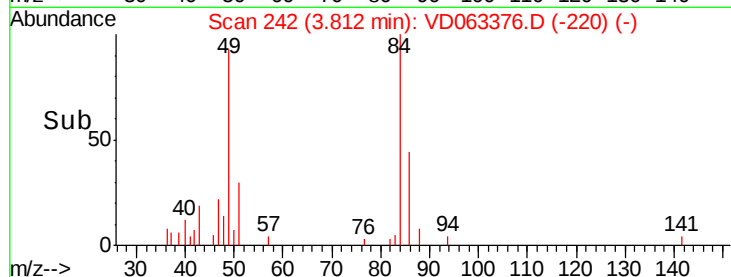
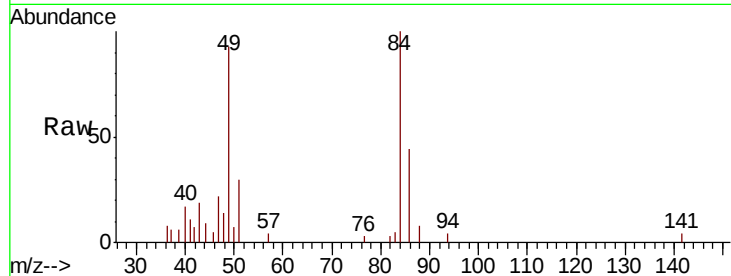




#20
Methylene Chloride
Concen: 2.421 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.02 min
Lab File: VD063376.D
Acq: 5 Aug 2019 13:02

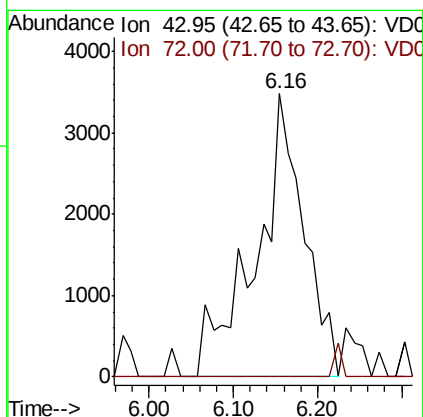
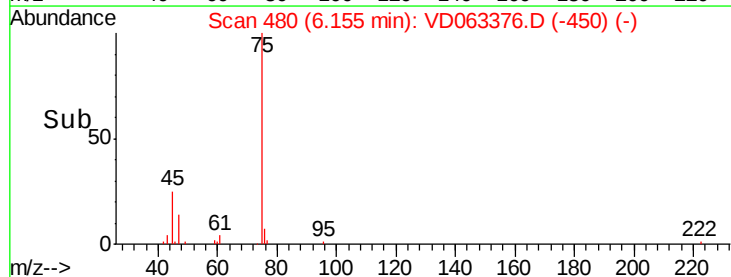
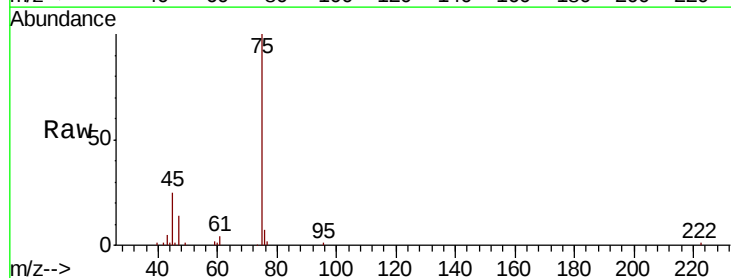
Instrument :
MSVOA_D
ClientSampleId :
VD0805SBL01

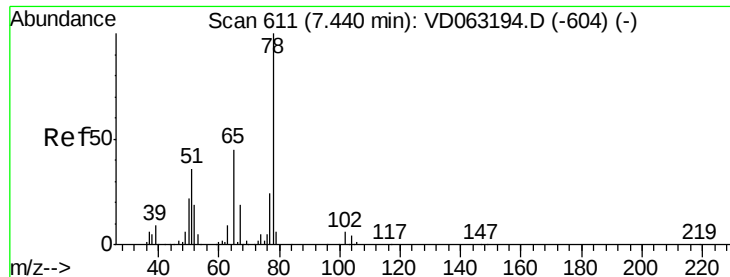
Tgt Ion: 84 Resp: 21234
Ion Ratio Lower Upper
84 100
49 93.1 112.5 168.7#
51 29.9 29.6 44.4
86 44.1 50.4 75.6#



#25
2-Butanone
Concen: 6.347 ug/l
RT: 6.16 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD063376.D
Acq: 5 Aug 2019 13:02

Tgt Ion: 43 Resp: 13822
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#

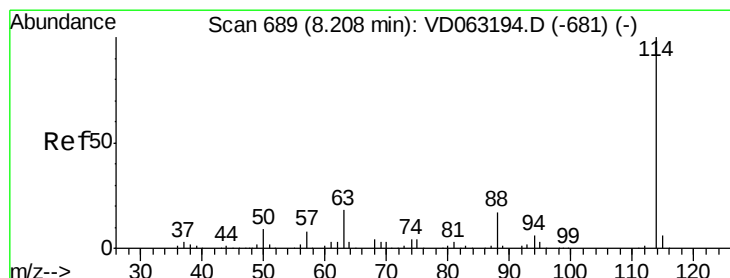
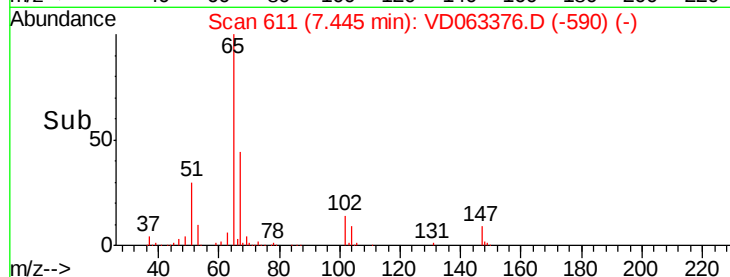
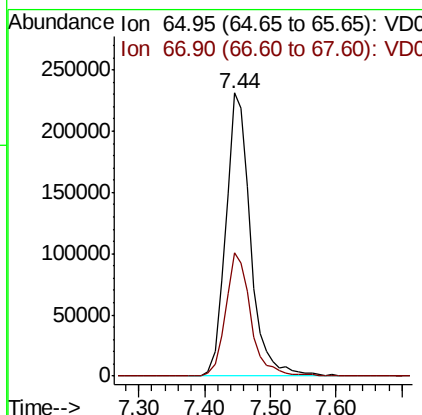
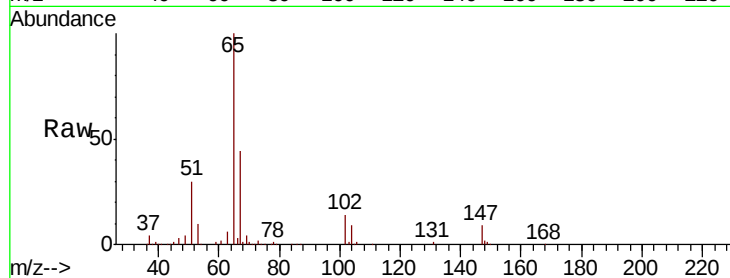




#33
 1,2-Dichloroethane-d4
 Concen: 54.537 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD063376.D
 Acq: 5 Aug 2019 13:02

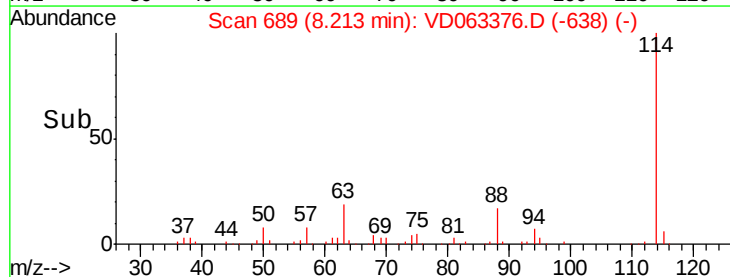
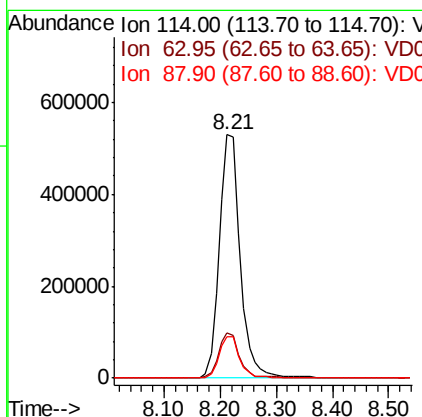
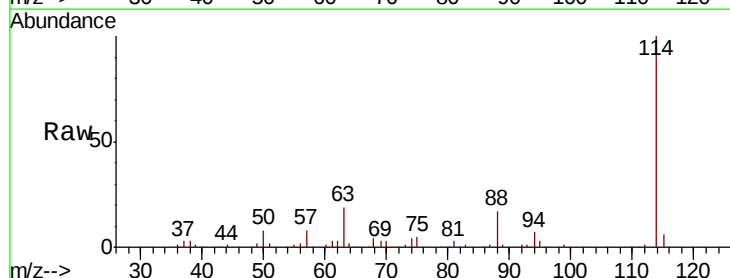
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBL01

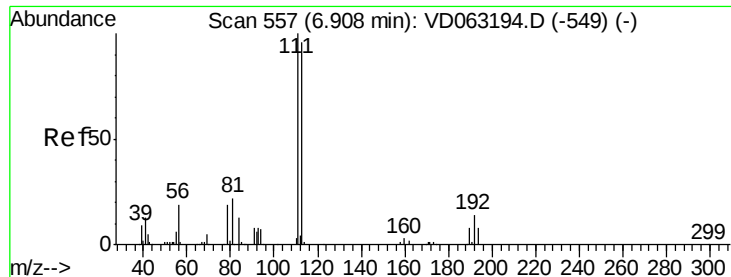
Tgt Ion: 65 Resp: 607351
 Ion Ratio Lower Upper
 65 100
 67 43.6 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063376.D
 Acq: 5 Aug 2019 13:02

Tgt Ion: 114 Resp: 1380956
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 35.2
 88 16.8 0.0 34.6





#35

Dibromofluoromethane

Concen: 56.497 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD063376.D

Acq: 5 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBL01

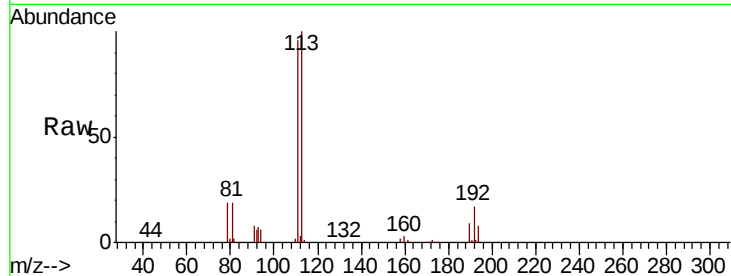
Tgt Ion:113 Resp: 666124

Ion Ratio Lower Upper

113 100

111 96.1 83.2 124.8

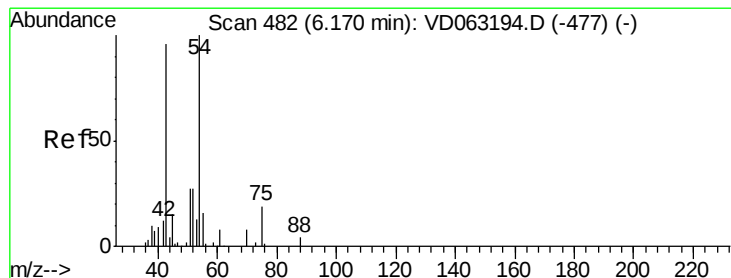
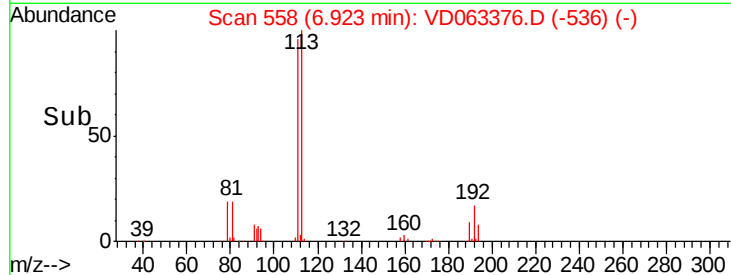
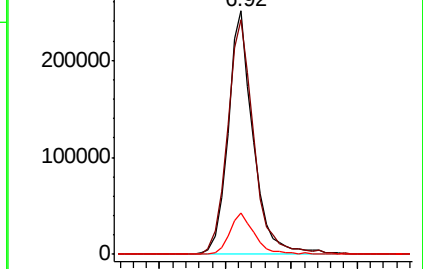
192 17.0 11.8 17.8



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



#37

Ethyl Acetate

Concen: 2.441 ug/l

RT: 6.16 min Scan# 480

Delta R.T. -0.01 min

Lab File: VD063376.D

Acq: 5 Aug 2019 13:02

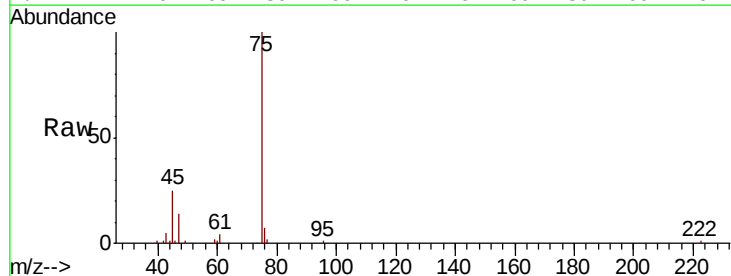
Tgt Ion: 43 Resp: 13822

Ion Ratio Lower Upper

43 100

61 68.8 11.3 16.9#

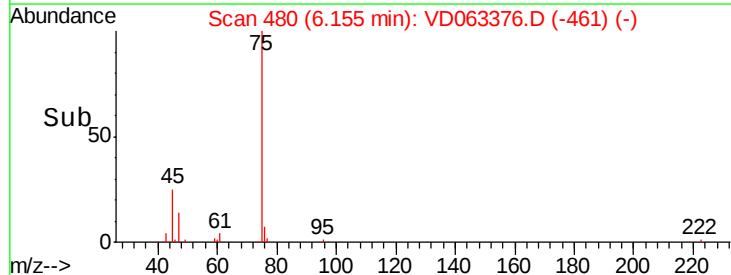
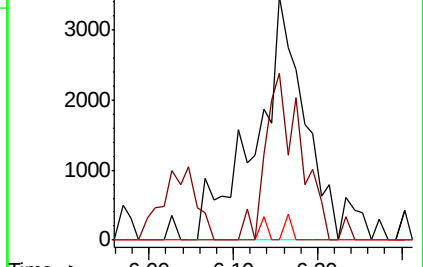
70 0.0 5.1 7.7#

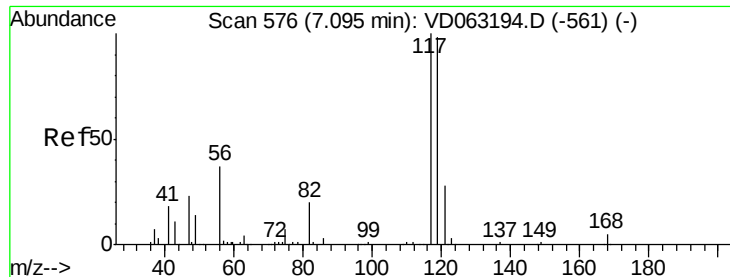


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.220 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD063376.D

Acq: 5 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBL01

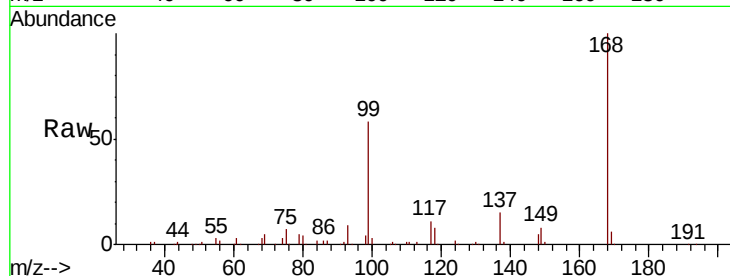
Tgt Ion:117 Resp: 99036

Ion Ratio Lower Upper

117 100

119 3.5 78.2 117.2#

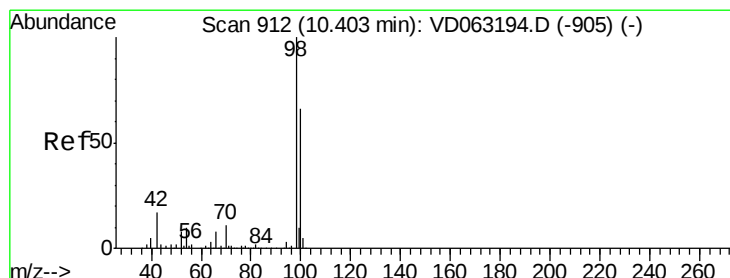
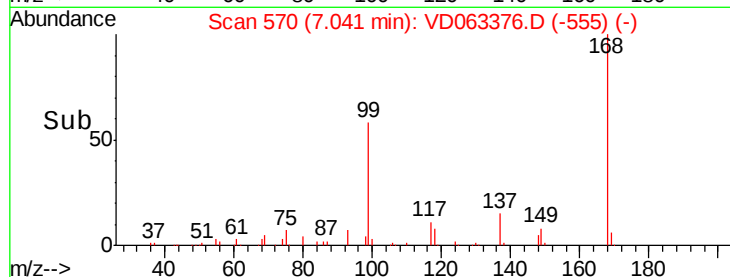
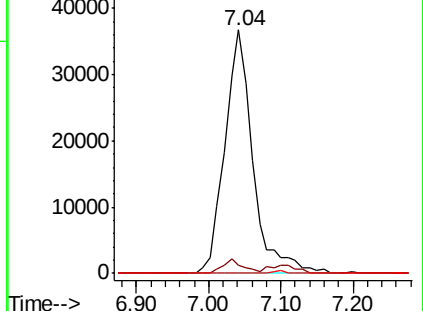
121 0.0 22.1 33.1#



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: 55.020 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063376.D

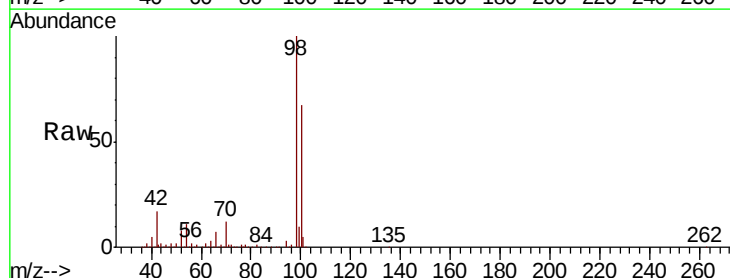
Acq: 5 Aug 2019 13:02

Tgt Ion: 98 Resp: 1451812

Ion Ratio Lower Upper

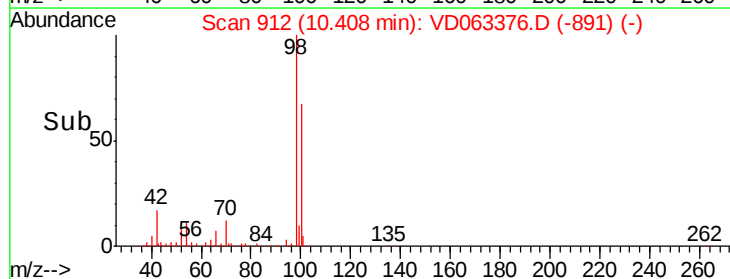
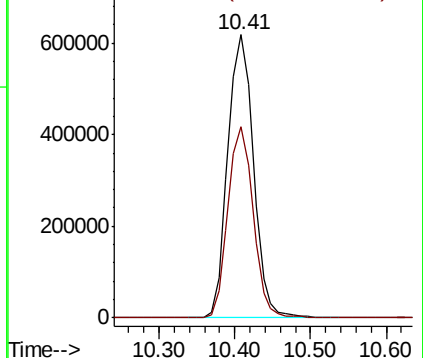
98 100

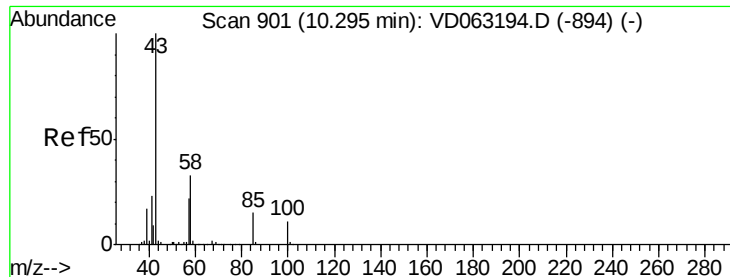
100 67.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

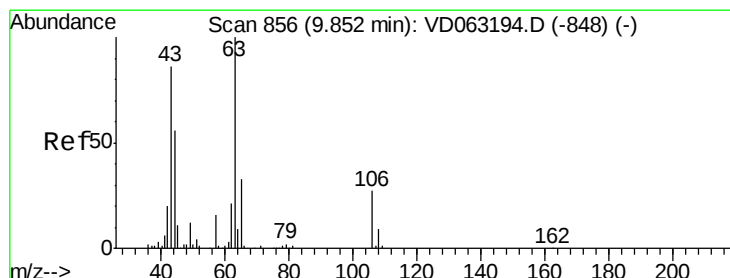
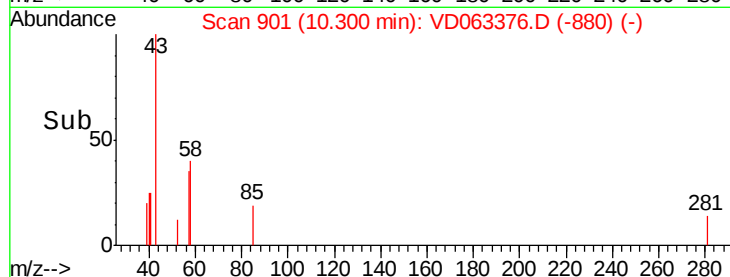
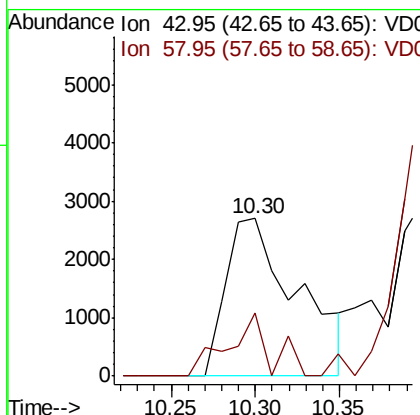
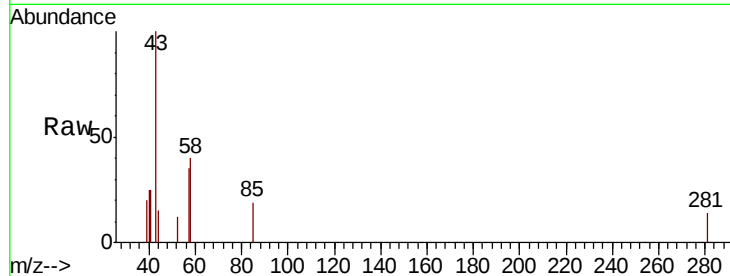




#51
 4-Methyl-2-Pentanone
 Concen: 1.619 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD063376.D
 Acq: 5 Aug 2019 13:02

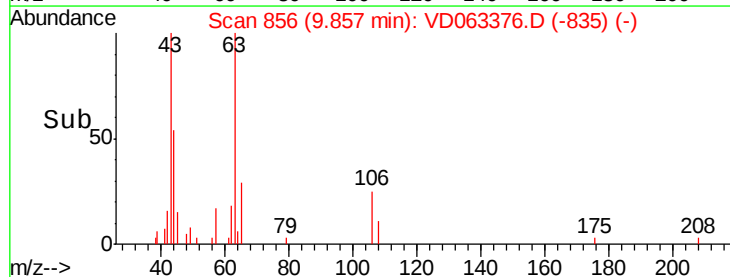
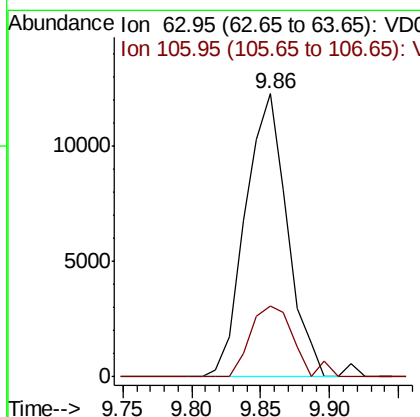
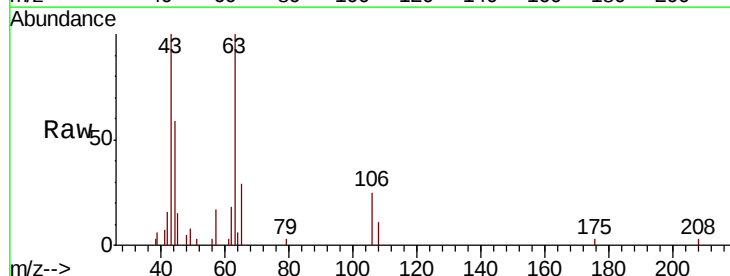
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0805SBL01

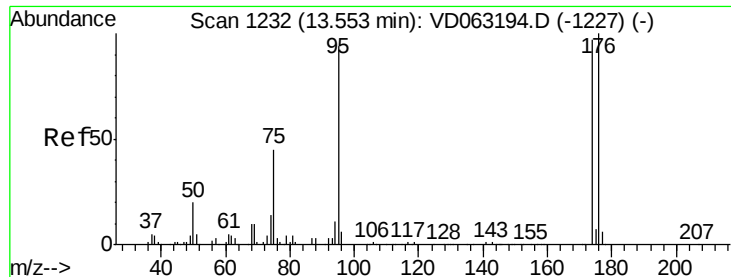
Tgt Ion: 43 Resp: 7964
 Ion Ratio Lower Upper
 43 100
 58 40.2 26.2 39.2#



#58
 2-Chloroethyl Vinyl ether
 Concen: 7.694 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD063376.D
 Acq: 5 Aug 2019 13:02

Tgt Ion: 63 Resp: 26010
 Ion Ratio Lower Upper
 63 100
 106 25.0 22.0 33.0





#62

4-Bromofluorobenzene

Concen: 49.172 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063376.D

Acq: 5 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBL01

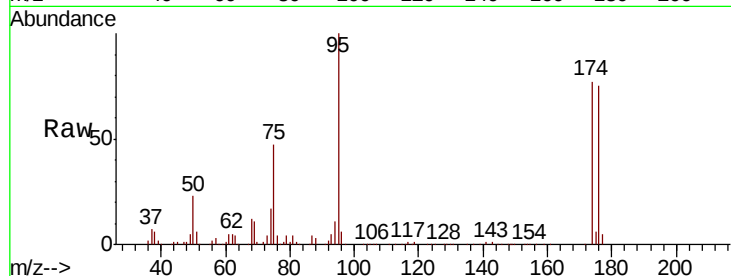
Tgt Ion: 95 Resp: 591268

Ion Ratio Lower Upper

95 100

174 77.4 0.0 205.4

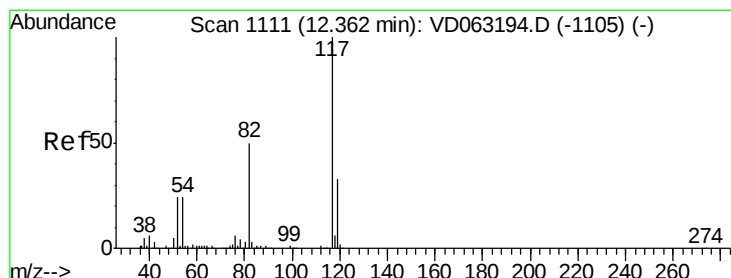
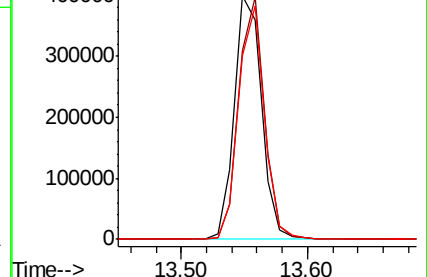
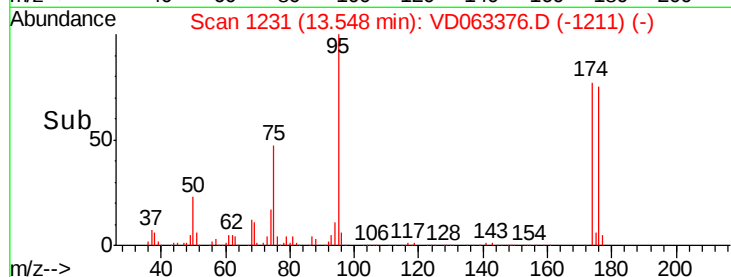
176 75.4 0.0 211.8



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: VD063376.D

Acq: 5 Aug 2019 13:02

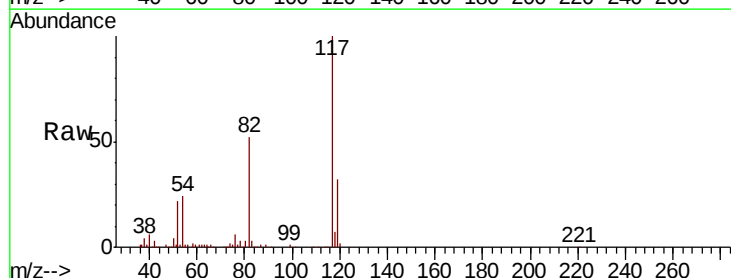
Tgt Ion: 117 Resp: 1183941

Ion Ratio Lower Upper

117 100

82 52.1 40.1 60.1

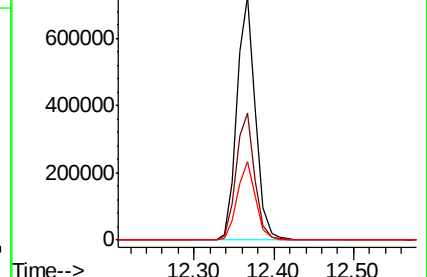
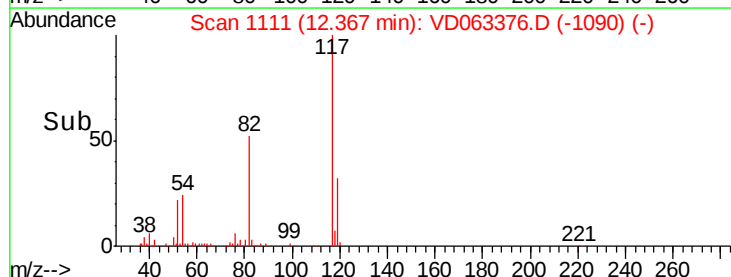
119 32.3 26.5 39.7

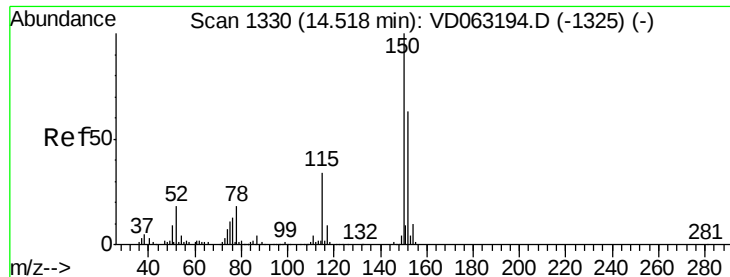


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min

Lab File: VD063376.D

Acq: 5 Aug 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0805SBL01

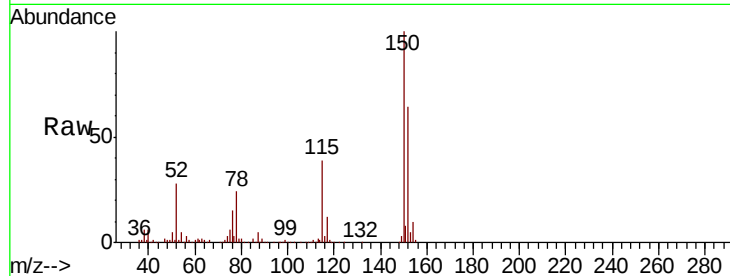
Tgt Ion:152 Resp: 591142

Ion Ratio Lower Upper

152 100

115 60.5 27.5 82.4

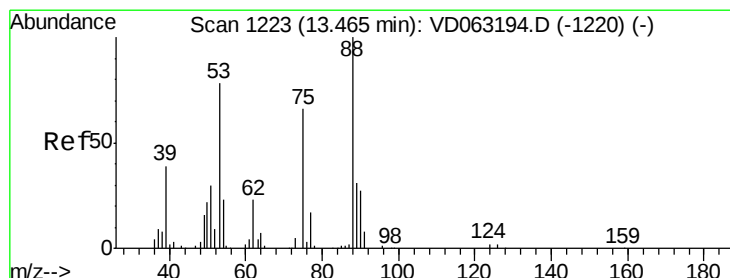
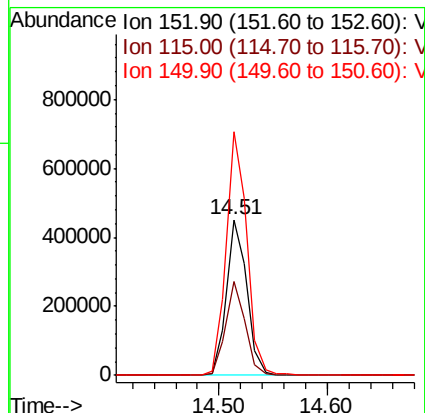
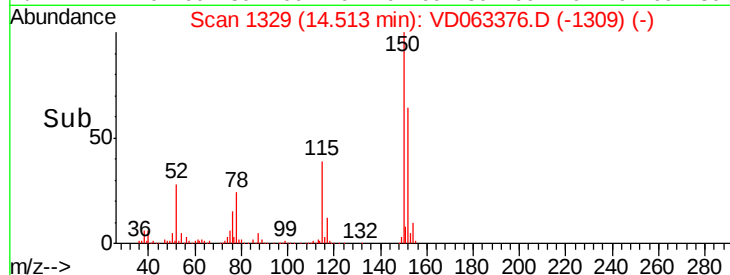
150 156.2 0.0 320.6



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: 134.521 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063376.D

Acq: 5 Aug 2019 13:02

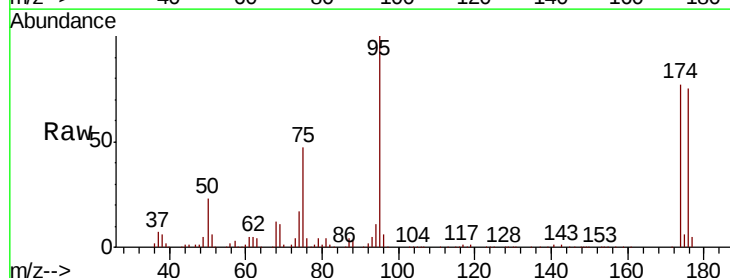
Tgt Ion: 75 Resp: 265226

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

