

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062813.D
 Acq On : 21 Jun 2019 13:48
 Operator : VA/AP
 Sample : K3470-01
 Misc : 6.03g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-4

Quant Time: Jun 22 04:13:09 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	7.06	168	515224	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.24	114	625224	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	482817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	191529	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	368704	65.84	ug/l	0.00
Spiked Amount			Recovery	=	131.68%	
35) Dibromofluoromethane	6.94	113	362880	68.83	ug/l	0.00
Spiked Amount			Recovery	=	137.66%	
50) Toluene-d8	10.42	98	689082	60.06	ug/l	0.00
Spiked Amount			Recovery	=	120.12%	
62) 4-Bromofluorobenzene	13.56	95	265020	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	

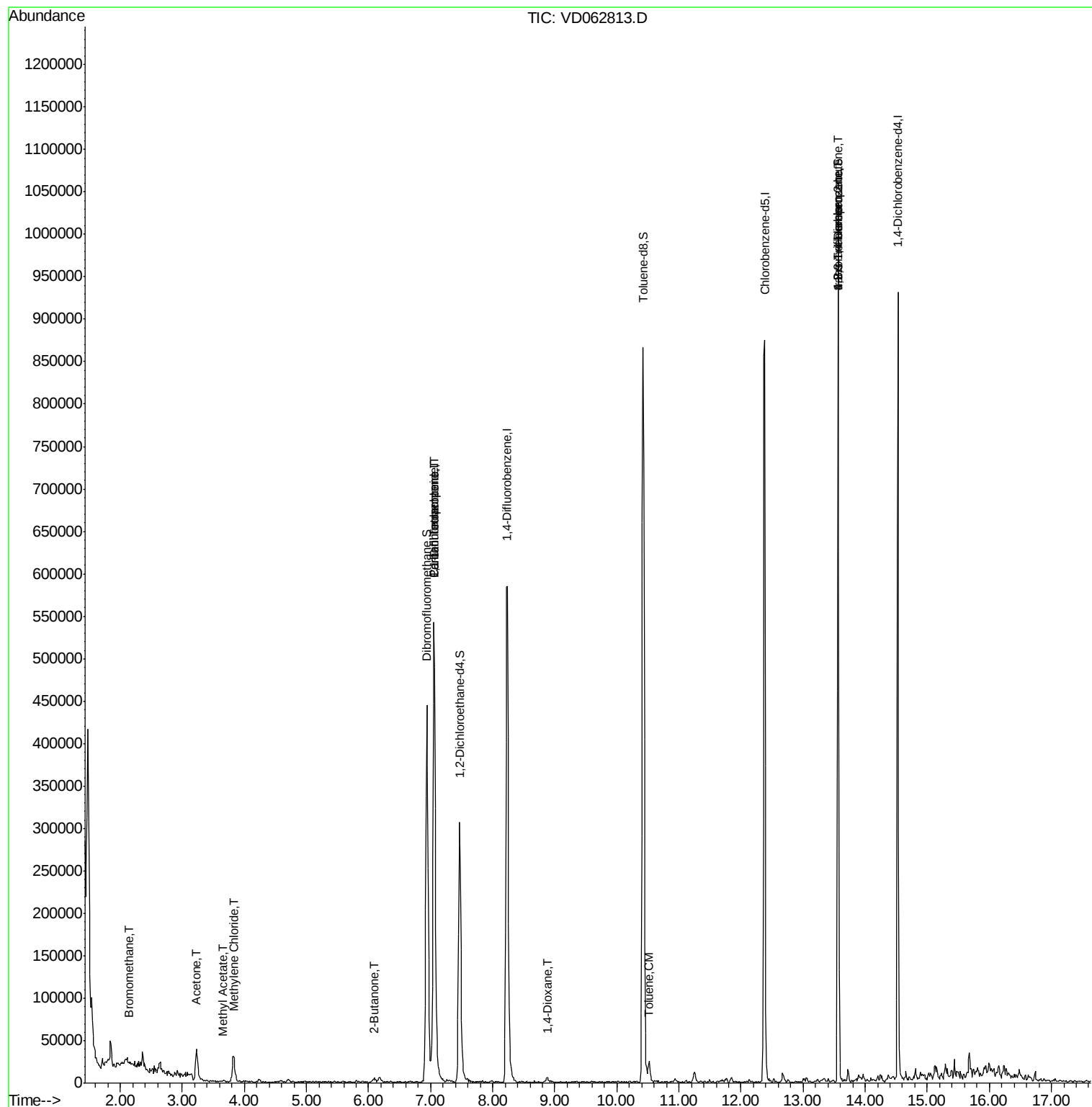
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	3715	1.596	ug/l #	13
16) Acetone	3.23	43	72215	58.219	ug/l #	86
18) Methyl Acetate	3.65	43	2494	1.475	ug/l #	58
20) Methylene Chloride	3.83	84	18789	4.399	ug/l #	92
25) 2-Butanone	6.09	43	8228	7.855	ug/l #	91
36) 1,1-Dichloropropene	7.05	75	41448	7.003	ug/l #	52
37) Ethyl Acetate	6.14	43	2315	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	52039	5.846	ug/l #	15
49) 1,4-Dioxane	8.89	88	209	11.393	ug/l #	29
52) Toluene	10.52	92	12220	1.530	ug/l #	82
76) 1,2,3-Trichloropropane	13.56	75	93471	42.274	ug/l #	49
81) trans-1,4-Dichloro-2-buten	13.56	75	126253	217.871	ug/l #	2

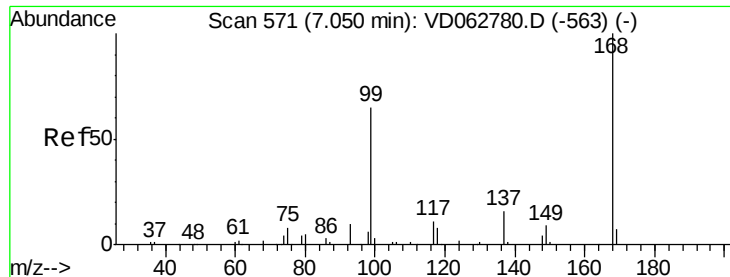
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

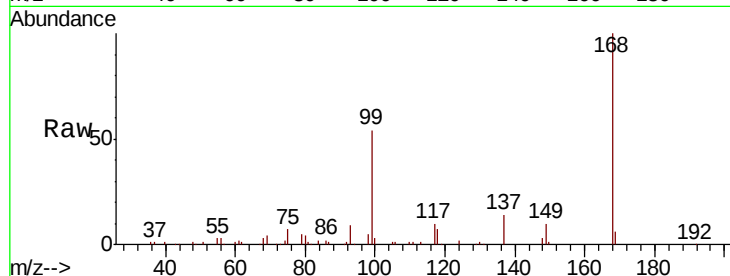
SAMPLE-4

Tot Ion:168 Resp: 515224

Ion Ratio Lower Upper

168 100

99 54.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

200000

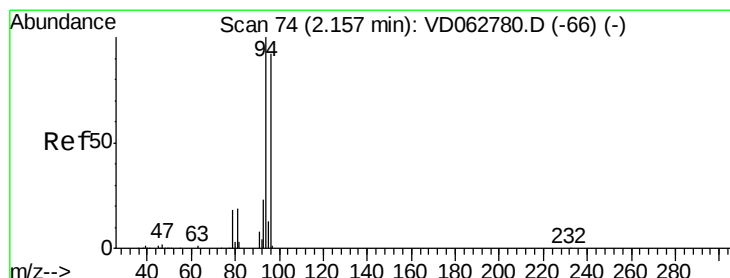
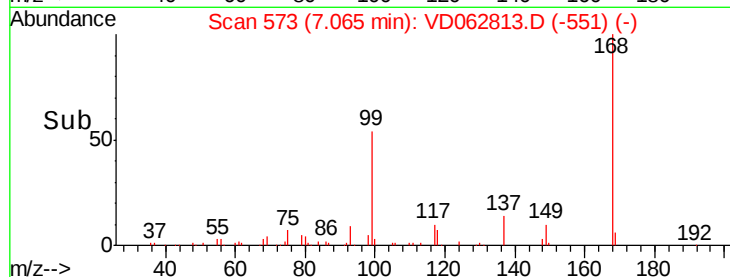
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 1.596 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

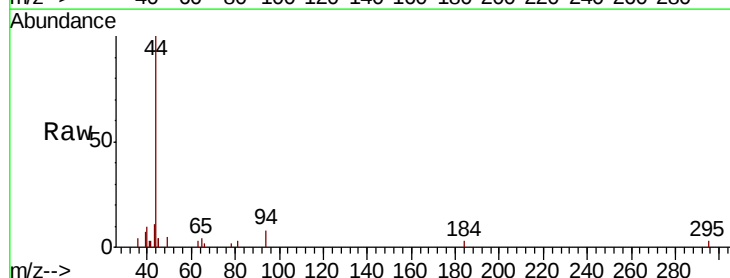
Tgt Ion: 94 Resp: 3715

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



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

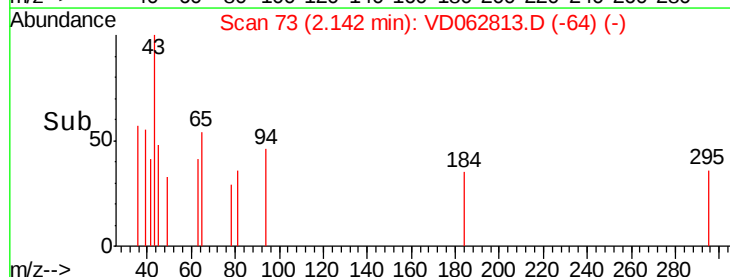
1500

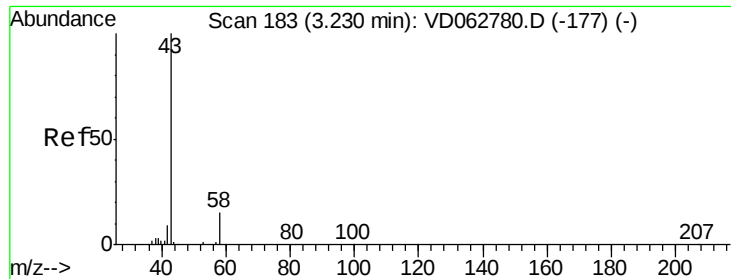
1000

500

0

Time-->





#16

Acetone

Concen: 58.219 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampled :

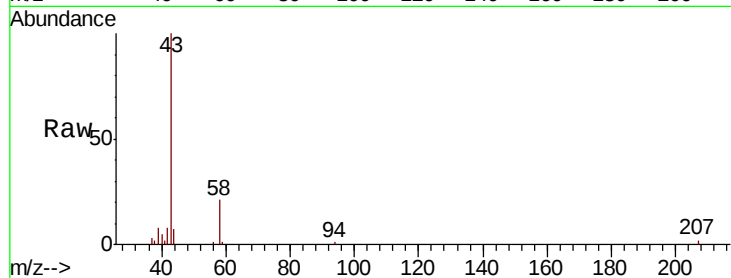
SAMPLE-4

Tot Ion: 43 Resp: 72215

Ion Ratio Lower Upper

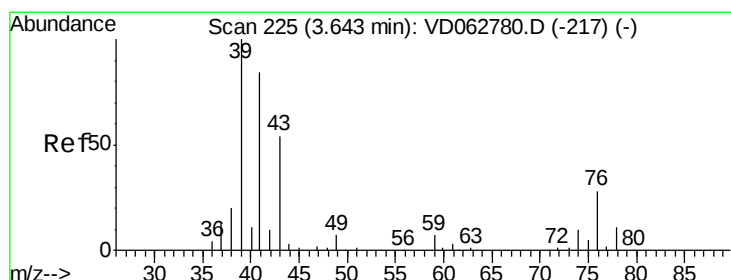
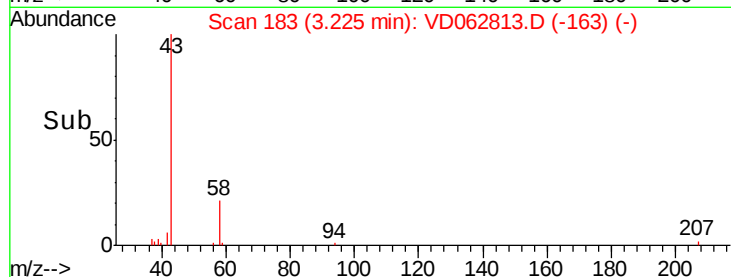
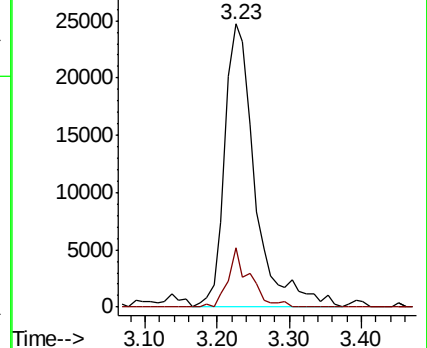
43 100

58 20.9 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.475 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062813.D

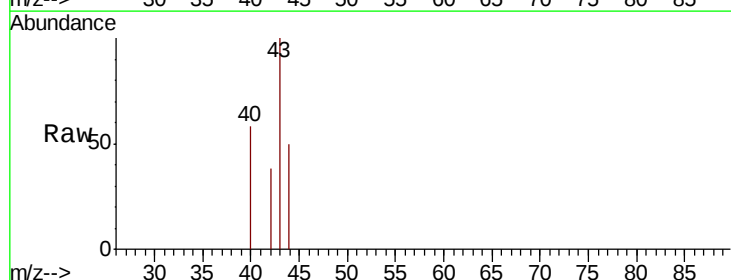
Acq: 21 Jun 2019 13:48

Tgt Ion: 43 Resp: 2494

Ion Ratio Lower Upper

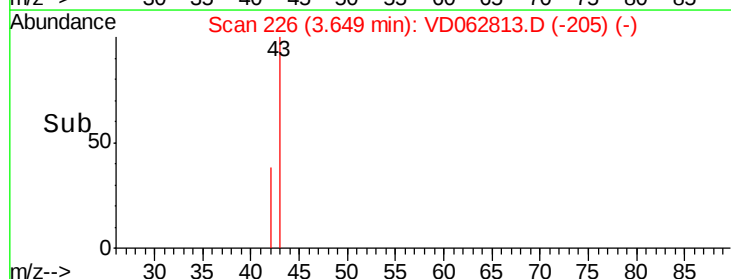
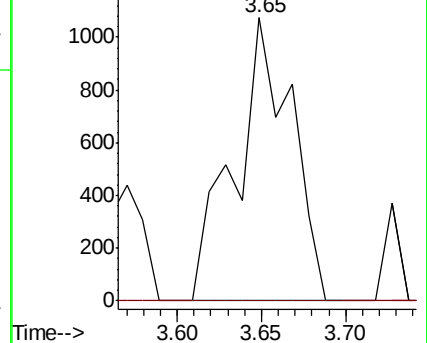
43 100

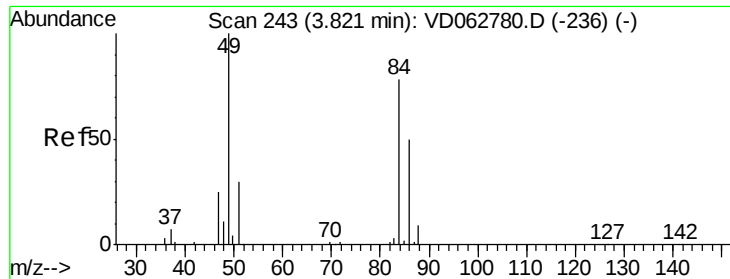
74 0.0 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

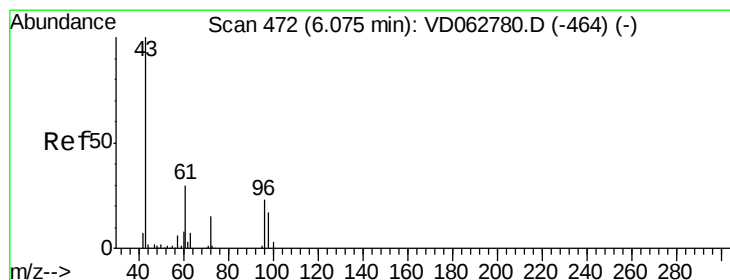
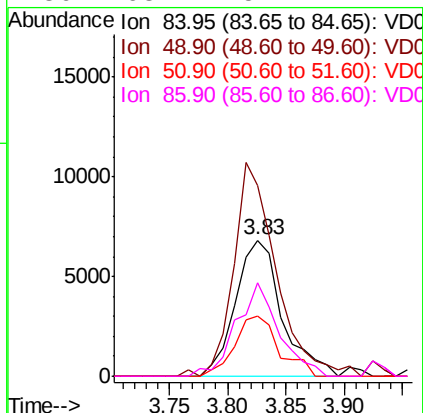
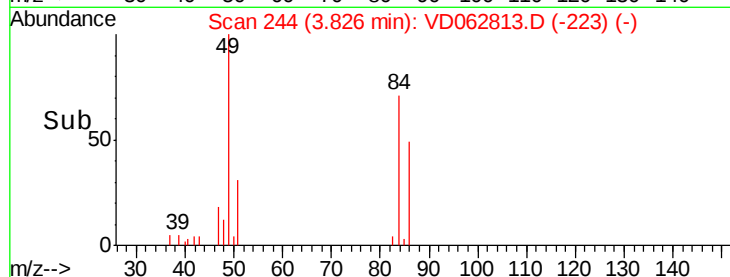
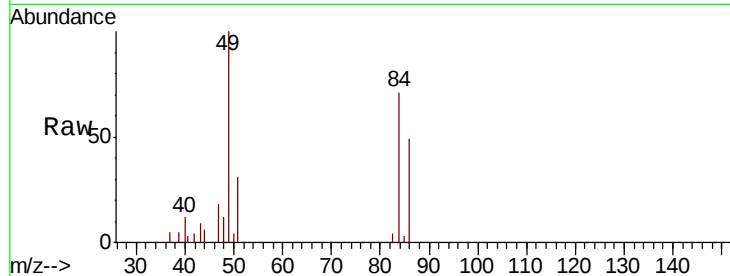




#20
Methvlene Chloride
Concen: 4.399 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062813.D
Acq: 21 Jun 2019 13:48

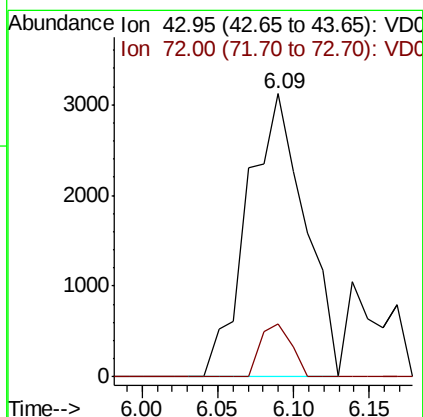
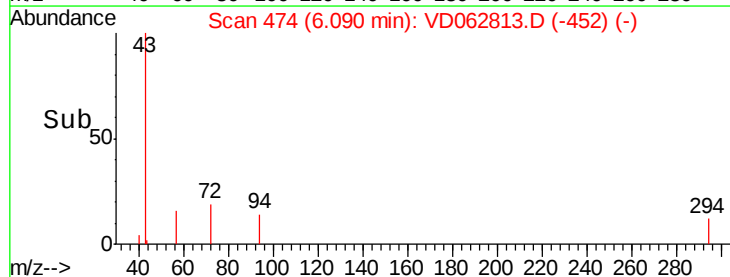
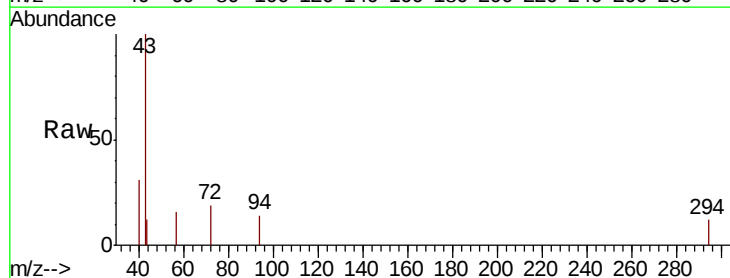
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4

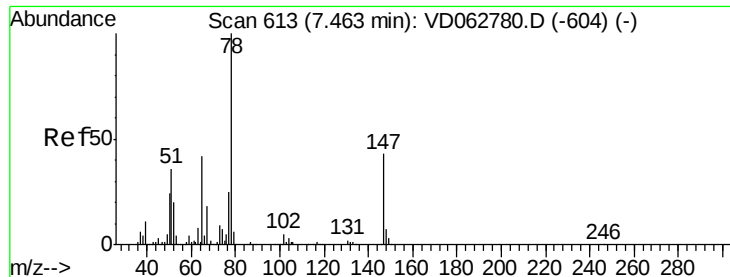
Tot Ion: 84 Resp: 18789
Ion Ratio Lower Upper
84 100
49 140.0 102.9 154.3
51 43.9 31.2 46.8
86 68.4 51.4 77.2



#25
2-Butanone
Concen: 7.855 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD062813.D
Acq: 21 Jun 2019 13:48

Tgt Ion: 43 Resp: 8228
Ion Ratio Lower Upper
43 100
72 18.7 11.9 17.9#





#33

1,2-Dichloroethane-d4

Concen: 65.835 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

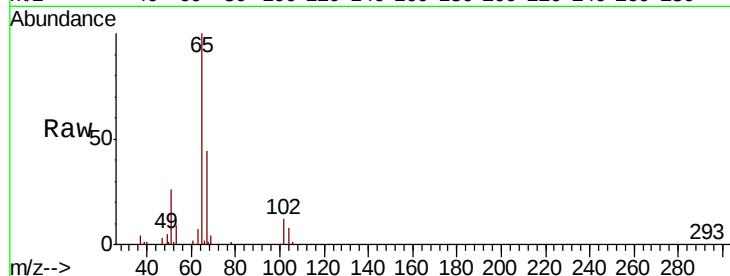
SAMPLE-4

Tot Ion: 65 Resp: 368704

Ion Ratio Lower Upper

65 100

67 44.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

150000

100000

50000

0

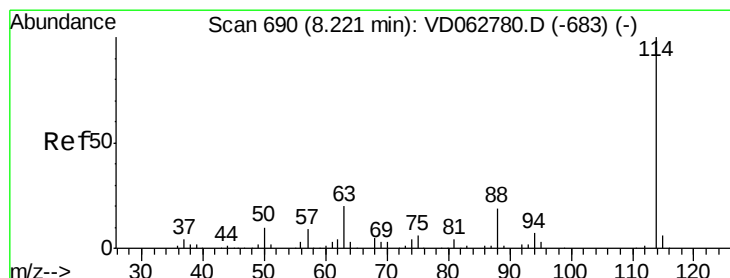
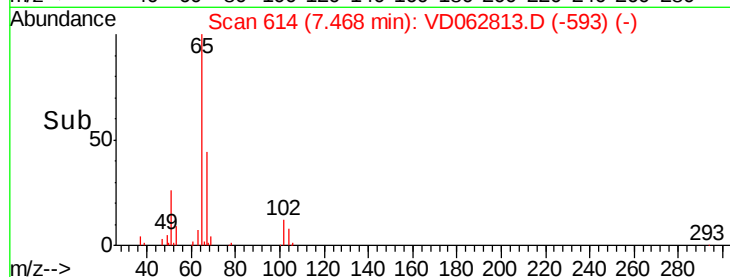
Time-->

7.30

7.40

7.50

7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

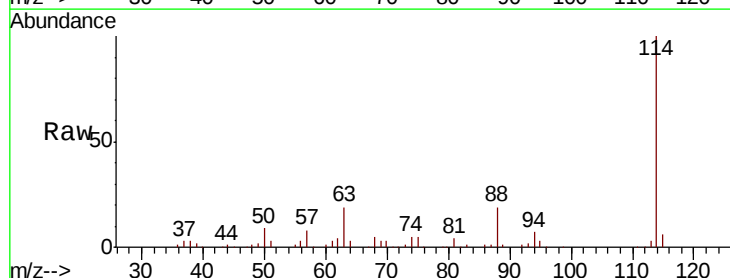
Tgt Ion: 114 Resp: 625224

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 19.4 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

300000

250000

200000

150000

100000

50000

0

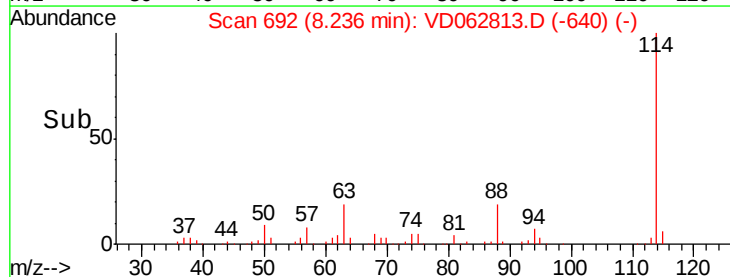
Time-->

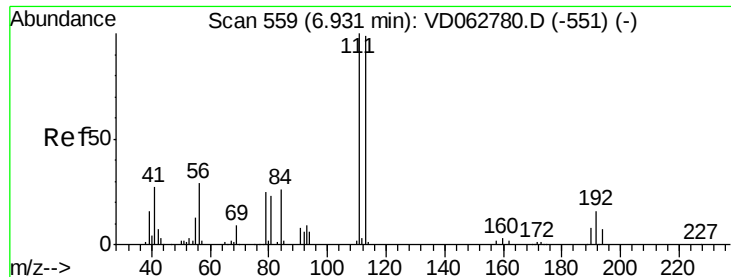
8.10

8.20

8.30

8.40

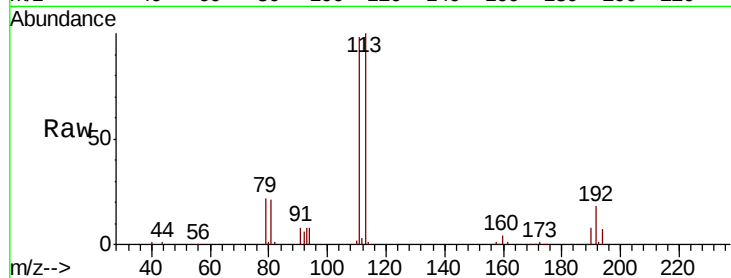




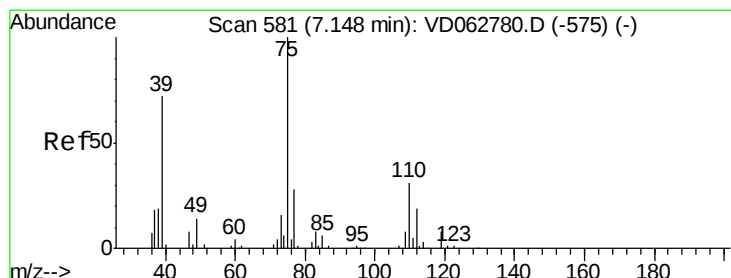
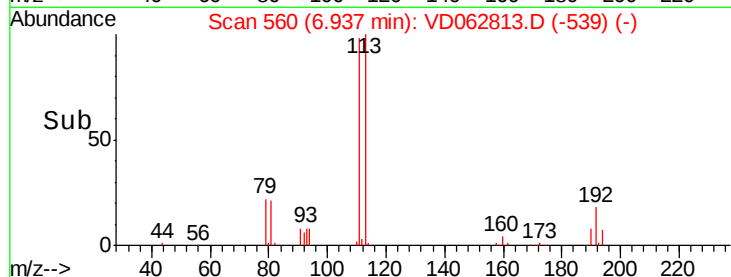
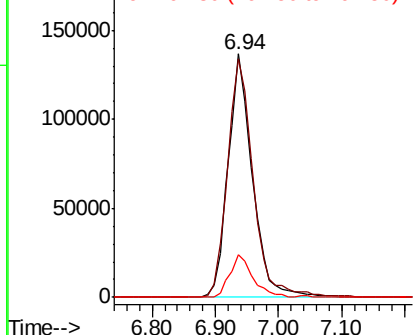
#35
Dibromofluoromethane
Concen: 68.833 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD062813.D
Acq: 21 Jun 2019 13:48

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4

Tot Ion:113 Resp: 362880
Ion Ratio Lower Upper
113 100
111 98.1 81.2 121.8
192 17.8 12.9 19.3

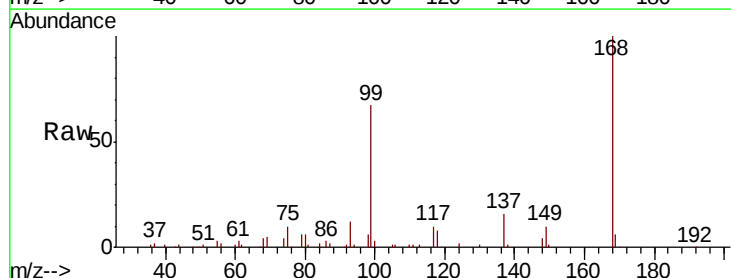


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

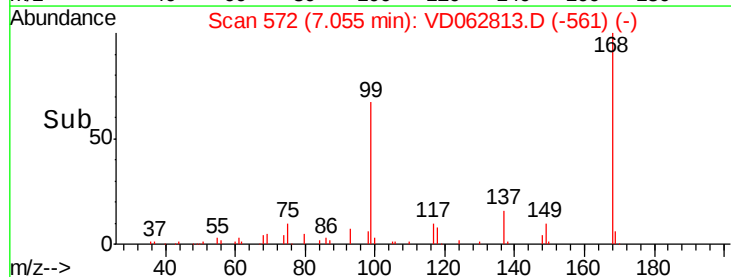
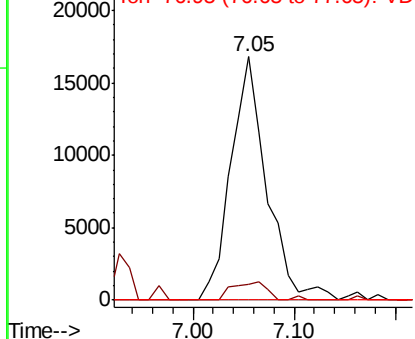


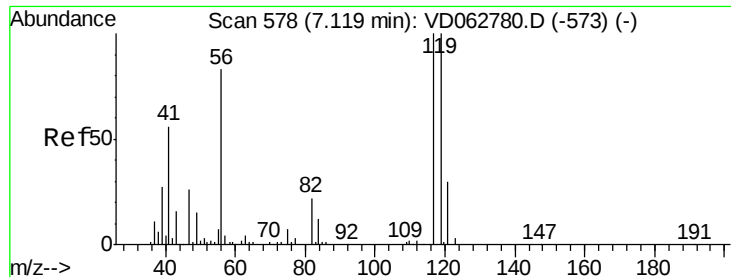
#36
1,1-Dichloropropene
Concen: 7.003 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.09 min
Lab File: VD062813.D
Acq: 21 Jun 2019 13:48

Tgt Ion: 75 Resp: 41448
Ion Ratio Lower Upper
75 100
110 6.6 15.0 45.1#
77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.846 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-4

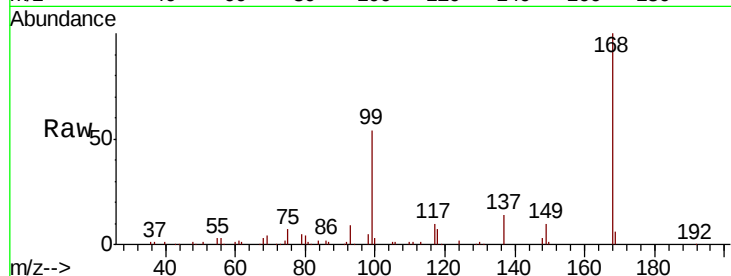
Tot Ion:117 Resp: 52039

Ion Ratio Lower Upper

117 100

119 3.5 75.4 113.2#

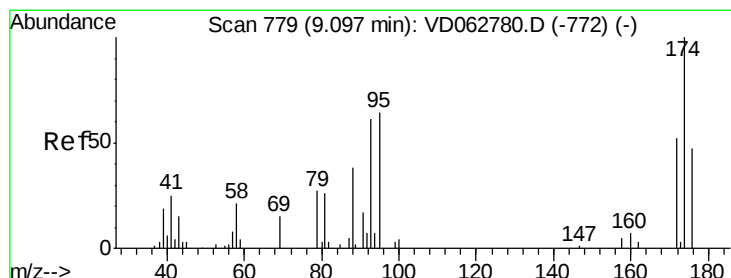
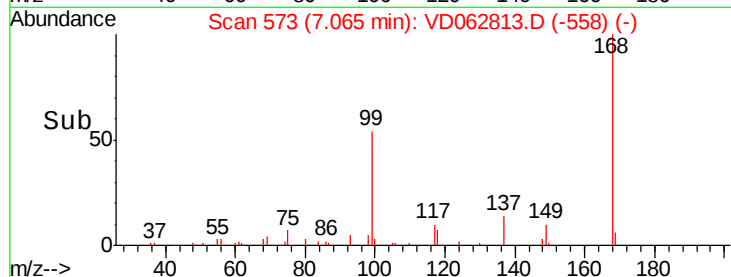
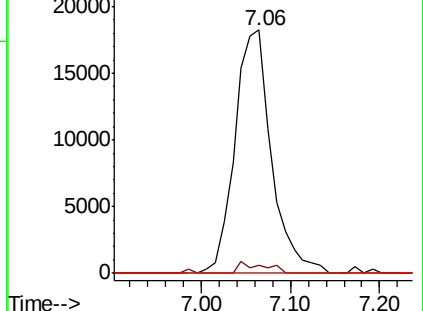
121 0.0 22.3 33.5#



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: 11.393 ug/l

RT: 8.89 min Scan# 758

Delta R.T. -0.21 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

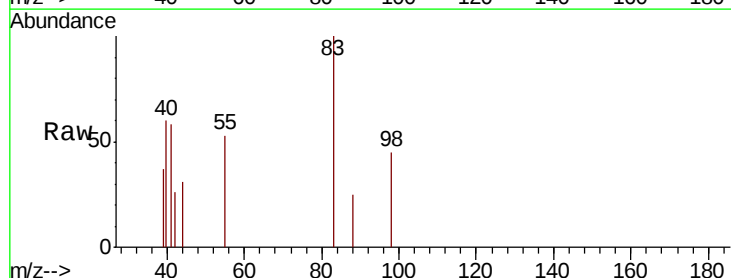
Tgt Ion: 88 Resp: 209

Ion Ratio Lower Upper

88 100

43 0.0 32.1 48.1#

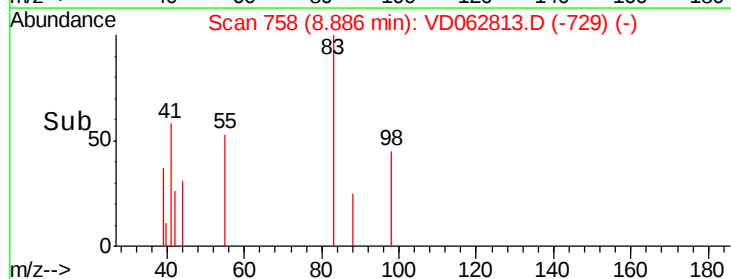
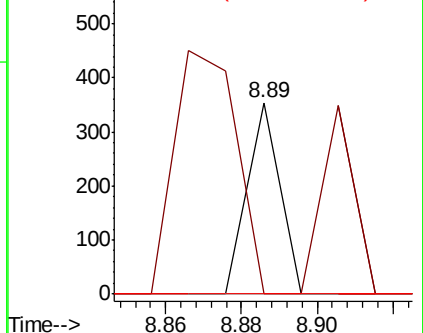
58 0.0 44.1 66.1#

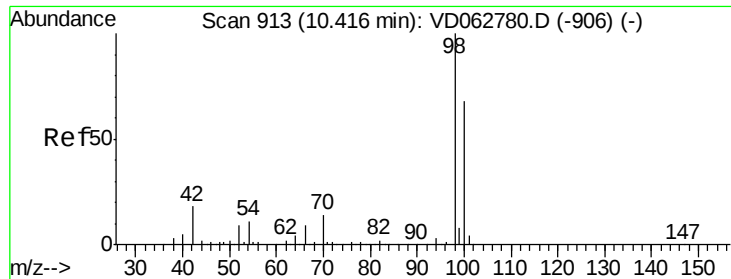


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

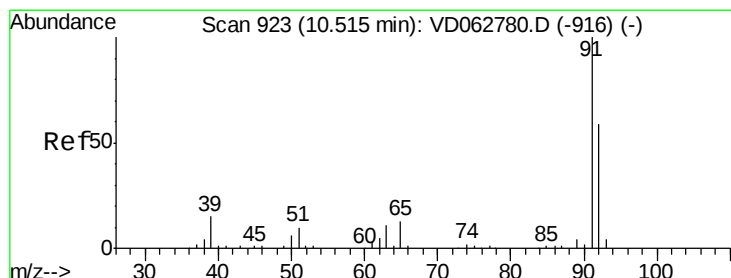
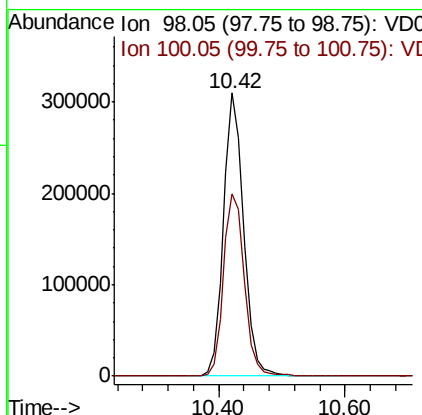
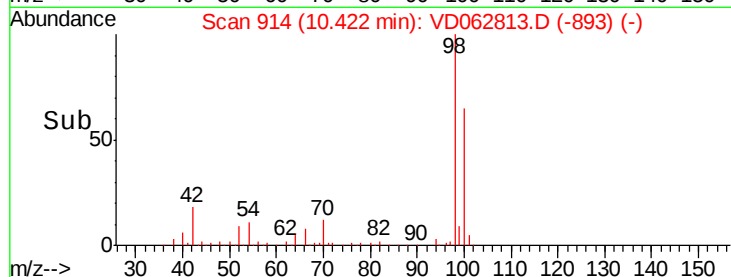
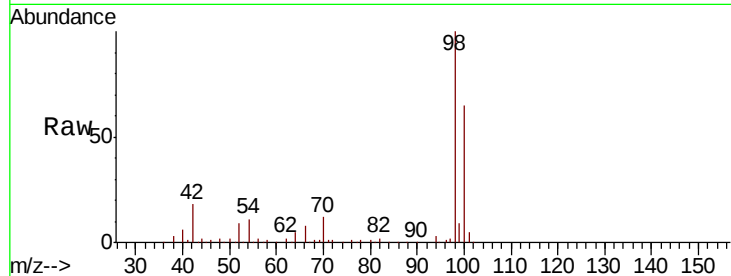




#50
Toluene-d8
Concen: 60.056 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062813.D
Acq: 21 Jun 2019 13:48

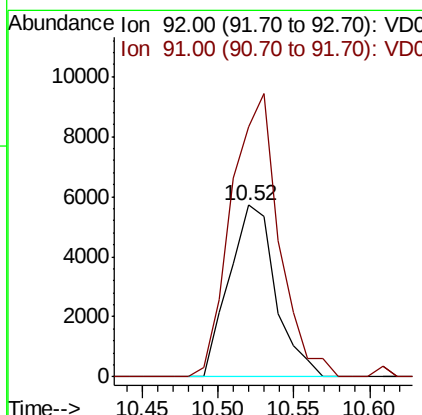
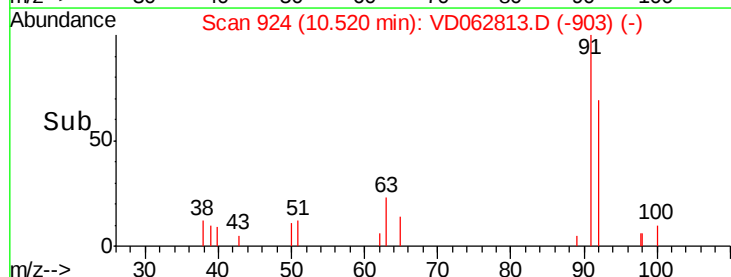
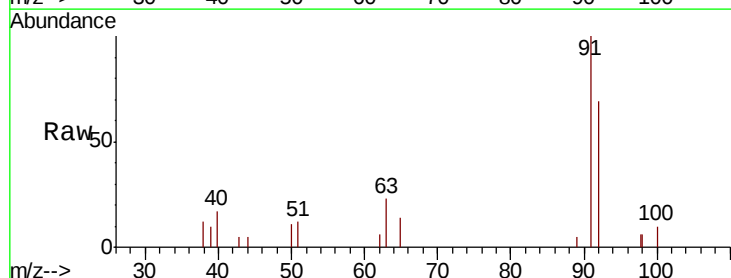
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4

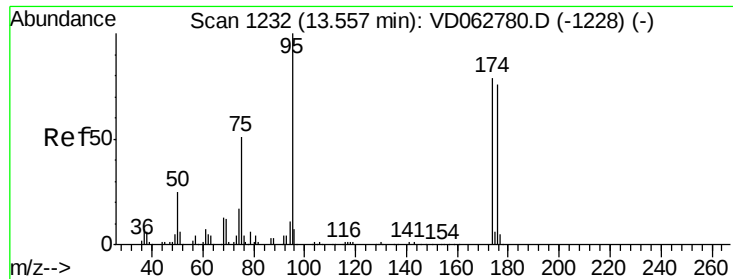
Tot Ion: 98 Resp: 689082
Ion Ratio Lower Upper
98 100
100 64.5 54.7 82.1



#52
Toluene
Concen: 1.530 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD062813.D
Acq: 21 Jun 2019 13:48

Tgt Ion: 92 Resp: 12220
Ion Ratio Lower Upper
92 100
91 145.2 136.3 204.5





#62

4-Bromofluorobenzene

Concen: 50.796 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampled :

SAMPLE-4

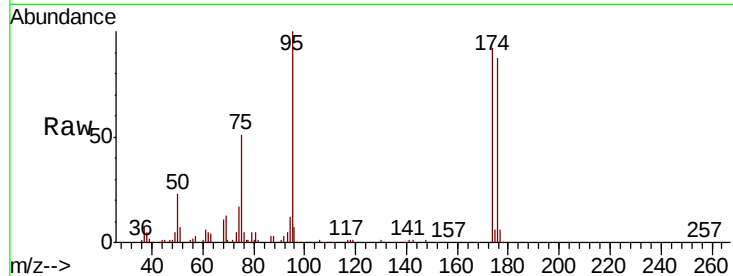
Tot Ion: 95 Resp: 265020

Ion Ratio Lower Upper

95 100

174 92.0 0.0 158.0

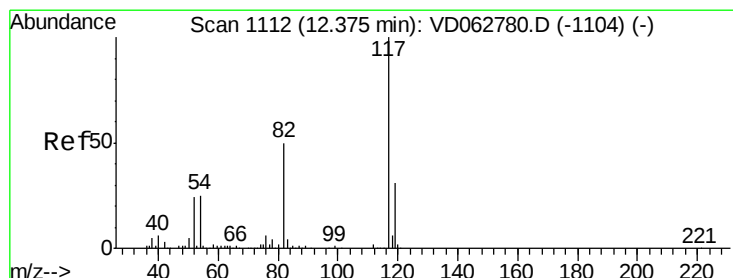
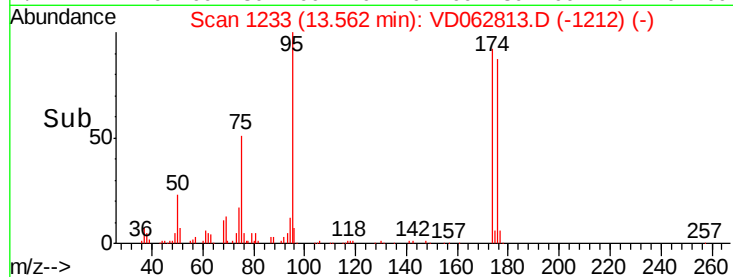
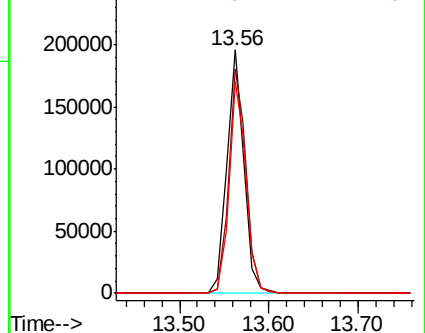
176 86.8 0.0 151.6



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: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

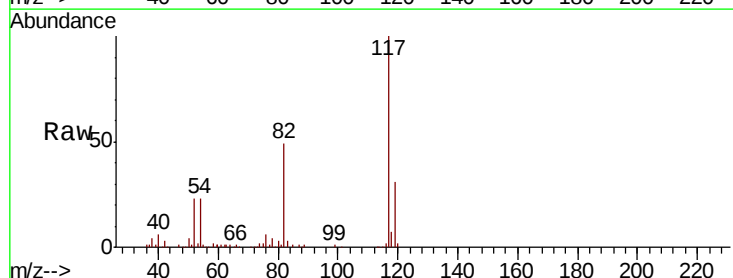
Tgt Ion: 117 Resp: 482817

Ion Ratio Lower Upper

117 100

82 48.8 40.4 60.6

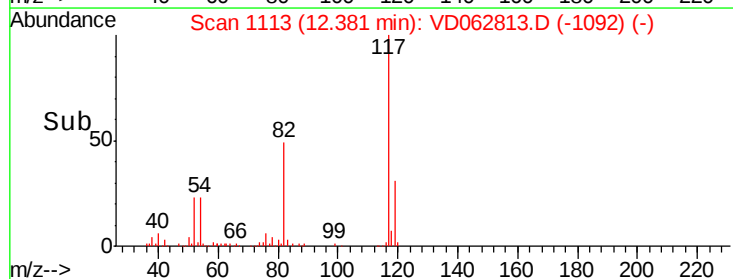
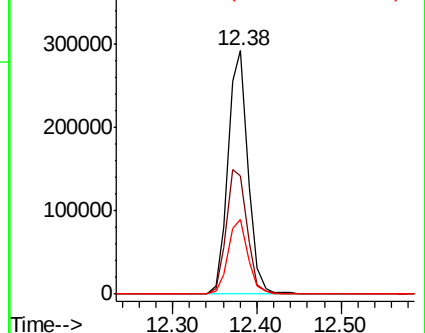
119 30.9 25.2 37.8

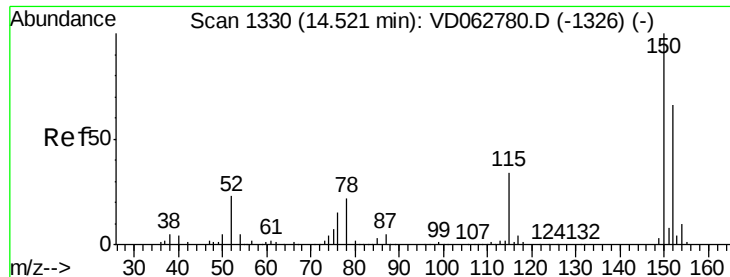


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-4

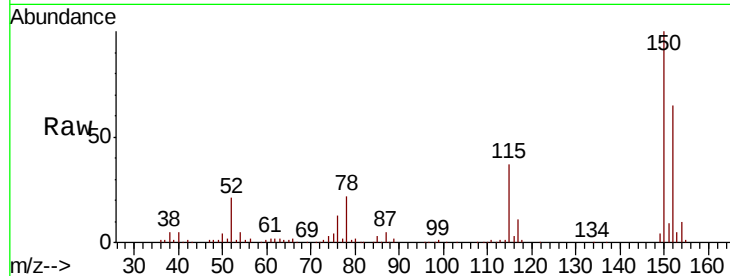
Tot Ion:152 Resp: 191529

Ion Ratio Lower Upper

152 100

115 56.9 29.2 87.6

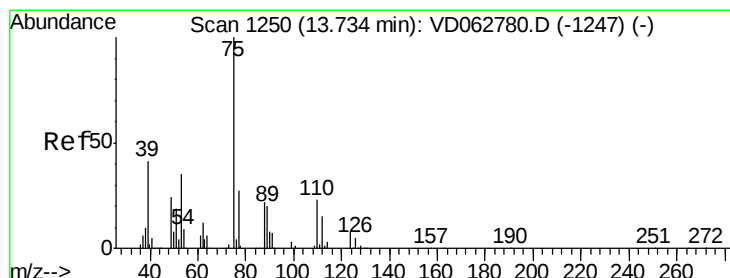
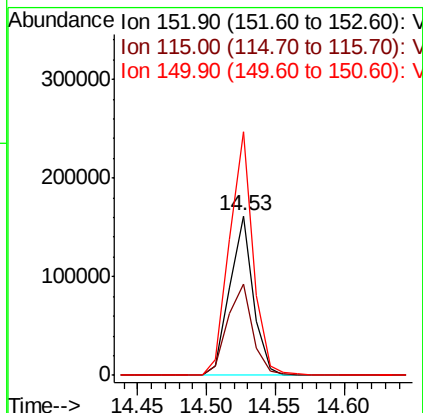
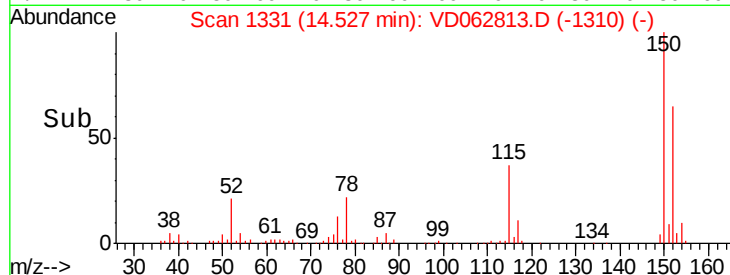
150 152.8 0.0 305.8



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



#76

1,2,3-Trichloropropane

Concen: 42.274 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062813.D

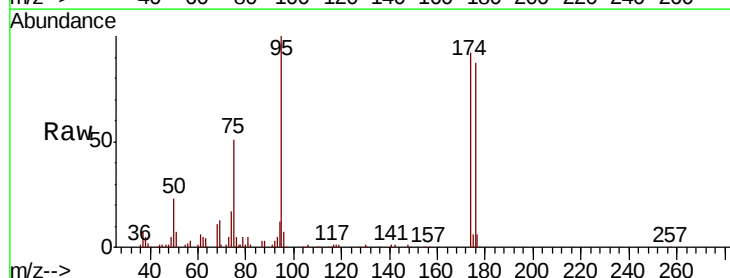
Acq: 21 Jun 2019 13:48

Tgt Ion: 75 Resp: 93471

Ion Ratio Lower Upper

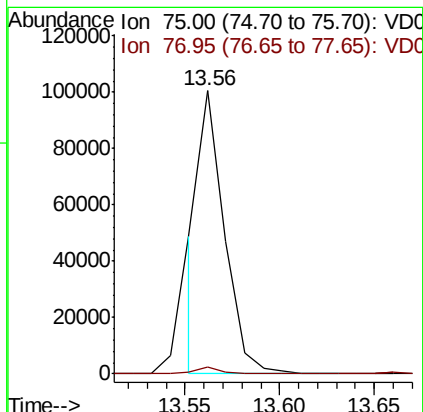
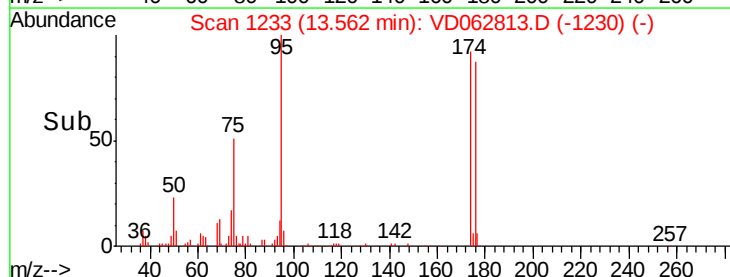
75 100

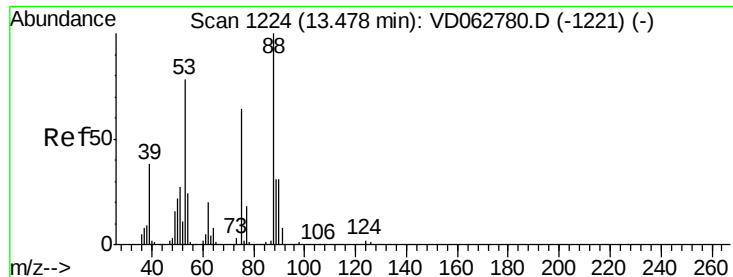
77 2.4 15.0 45.1#



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: 217.871 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062813.D

Acq: 21 Jun 2019 13:48

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-4

Tot Ion: 75 Resp: 126253

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

