

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062953.D
 Acq On : 28 Jun 2019 3:49
 Operator : VA/AP
 Sample : K3554-05
 Misc : 6.41g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 05:24:44 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	7.01	168	293688	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	482734	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	433002	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	234366	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	249379	78.12	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	156.24%	
35) Dibromofluoromethane	6.90	113	208560	51.24	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	102.48%	
50) Toluene-d8	10.39	98	389755	44.00	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	88.00%	
62) 4-Bromofluorobenzene	13.55	95	200715	49.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.66%	

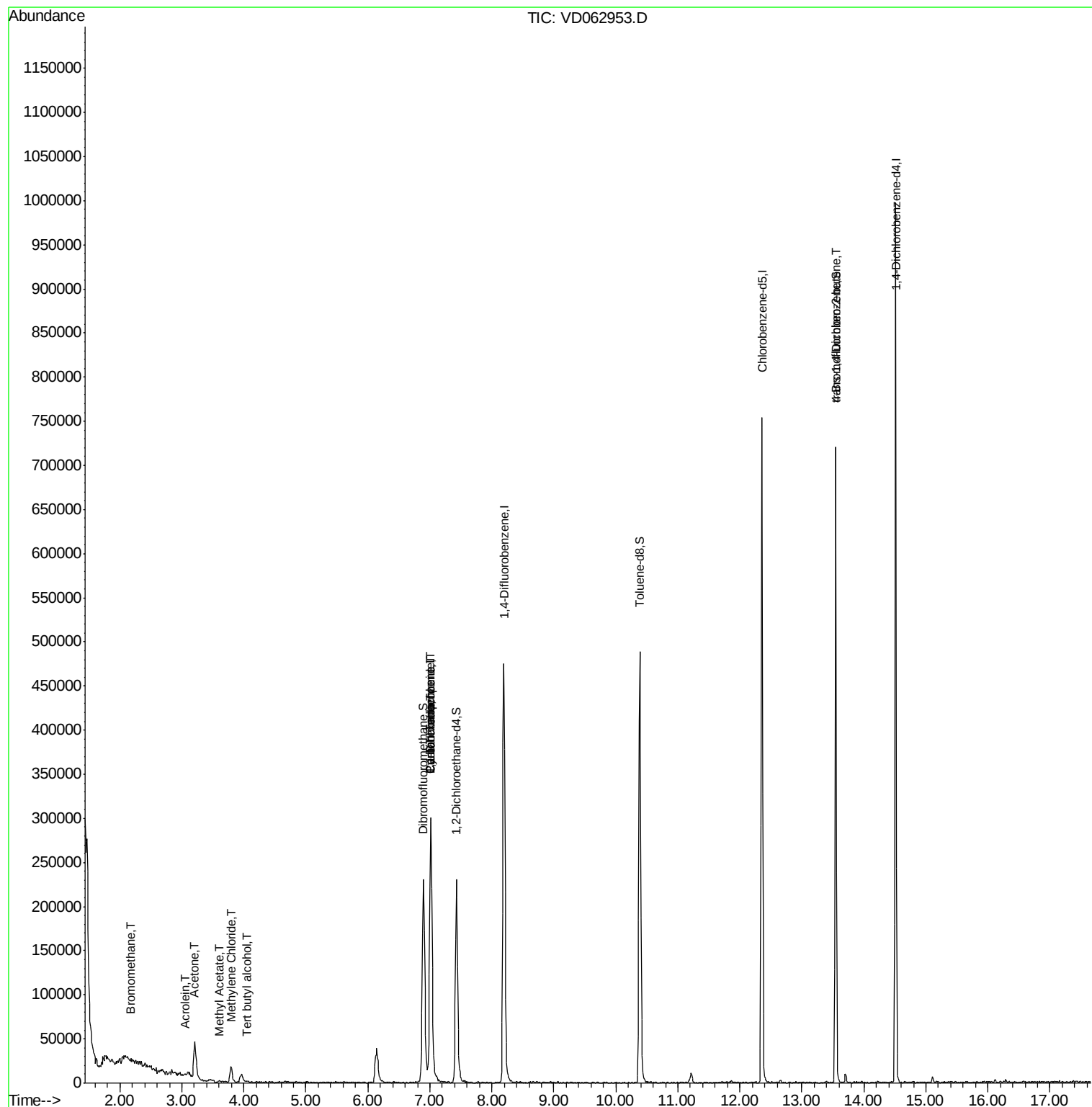
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	3743	2.820	ug/l #	22
11) Tert butyl alcohol	4.06	59	976	6.713	ug/l #	77
13) Acrolein	3.06	56	294	1.981	ug/l #	77
16) Acetone	3.20	43	91072	137.531	ug/l #	91
18) Methyl Acetate	3.61	43	1787	1.854	ug/l #	58
20) Methylene Chloride	3.78	84	10603	4.355	ug/l #	79
31) Cyclohexane	7.01	56	5844	1.949	ug/l #	4
36) 1,1-Dichloropropene	7.00	75	20990	4.593	ug/l #	52
37) Ethyl Acetate	6.19	43	366	Below Cal	#	69
38) Carbon Tetrachloride	7.01	117	30331	4.413	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.54	75	97875	138.028	ug/l #	2

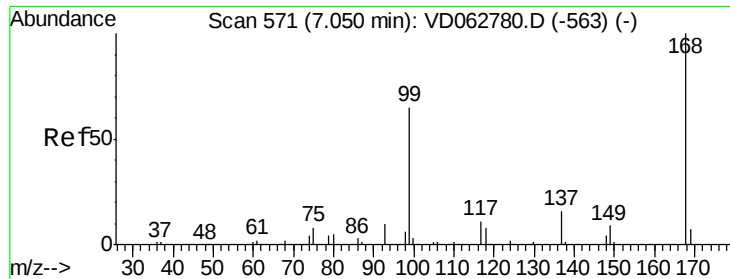
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
Data File : VD062953.D
Acq On : 28 Jun 2019 3:49
Operator : VA/AP
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ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 28 05:24:44 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: 7.01 min Scan# 567

Delta R.T. -0.04 min

Lab File: VD062953.D

Acq: 28 Jun 2019 3:49

Instrument :

MSVOA_D

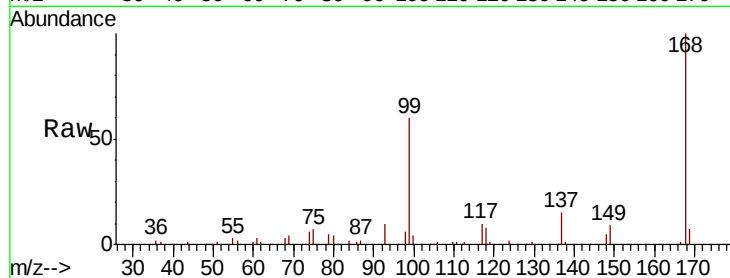
ClientSampled :

Tot Ion:168 Resp: 293688

Ion Ratio Lower Upper

168 100

99 60.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.01

100000

80000

60000

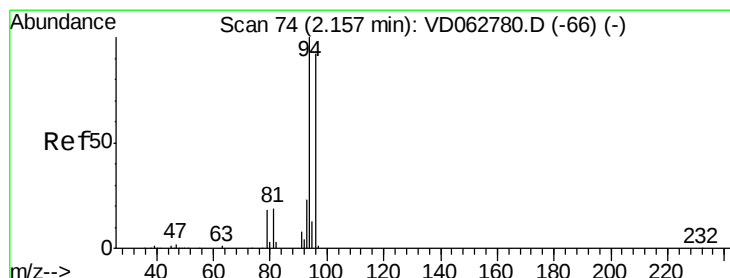
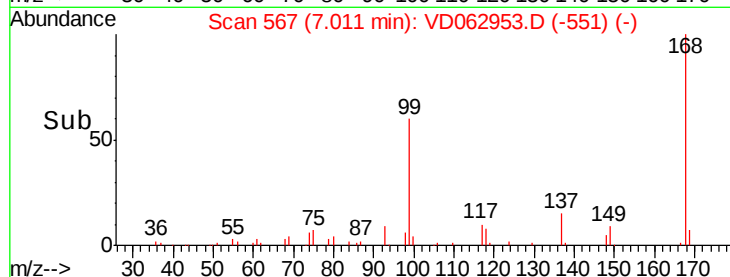
40000

20000

0

Time-->

6.90 7.00 7.10



#5

Bromomethane

Concen: 2.820 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062953.D

Acq: 28 Jun 2019 3:49

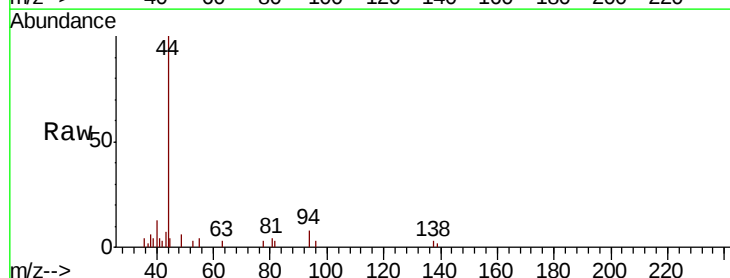
Tgt Ion: 94 Resp: 3743

Ion Ratio Lower Upper

94 100

96 37.0 73.4 110.2#

93 100.0 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

2.17

1500

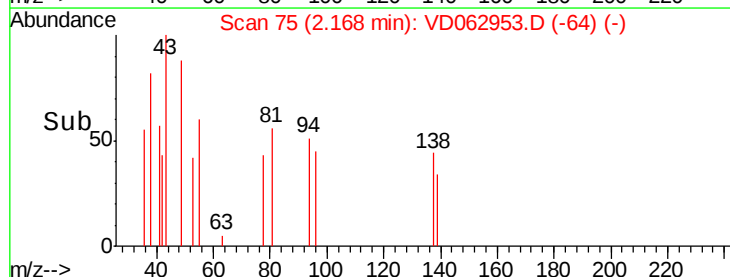
1000

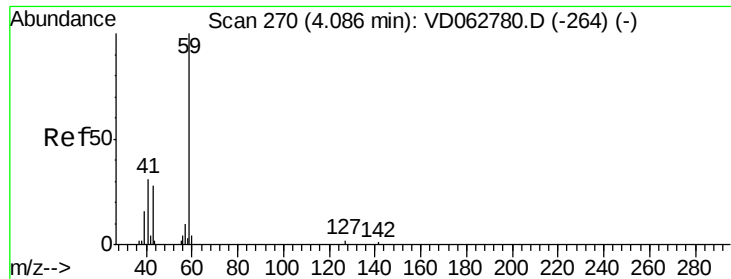
500

0

Time-->

2.10 2.15 2.20



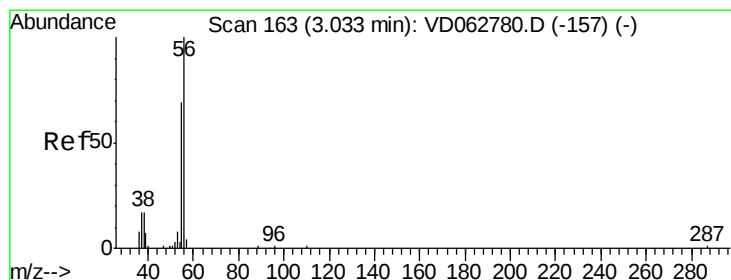
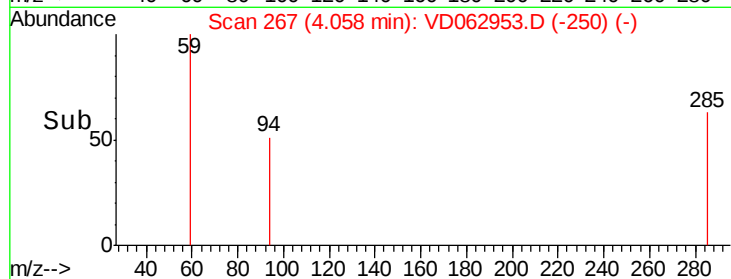
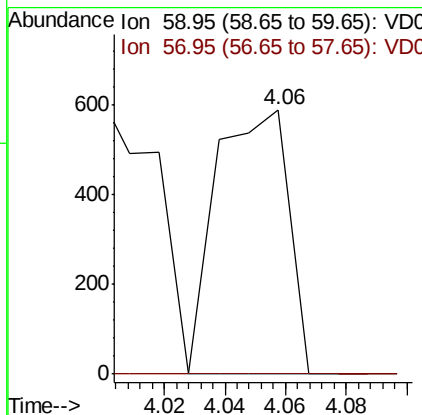
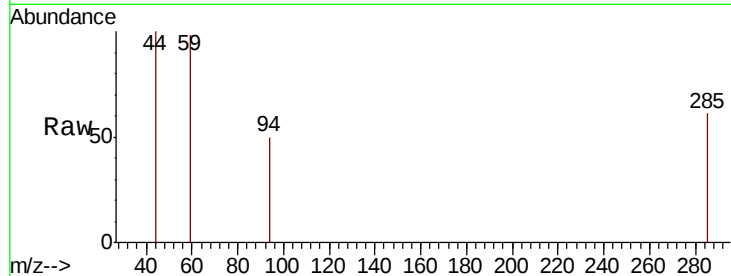


#11

Tert butyl alcohol
Concen: 6.713 ug/l
RT: 4.06 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD062953.D
Acq: 28 Jun 2019 3:49

Instrument :
MSVOA_D
ClientSampled :

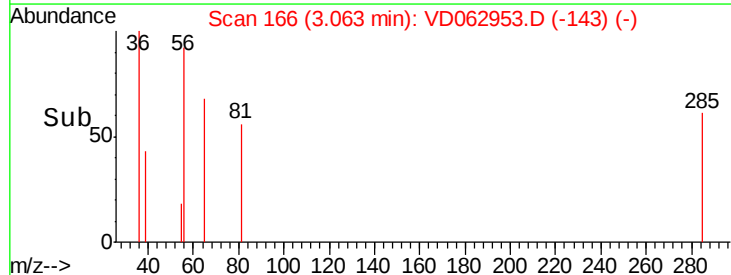
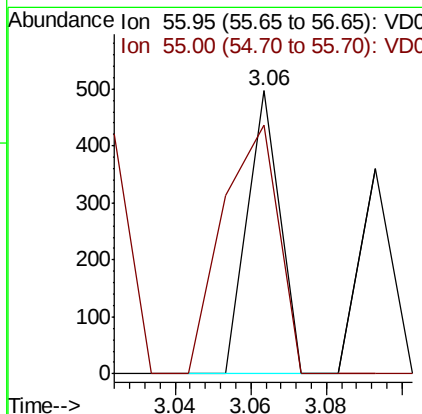
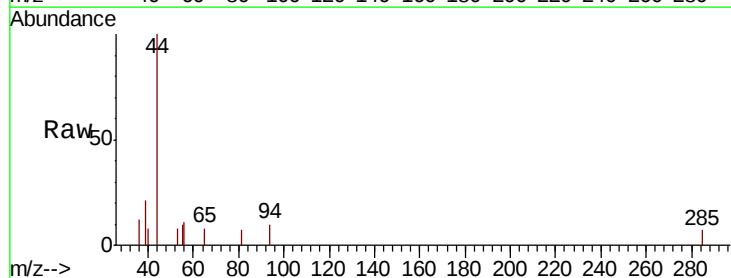
Tot Ion: 59 Resp: 976
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#

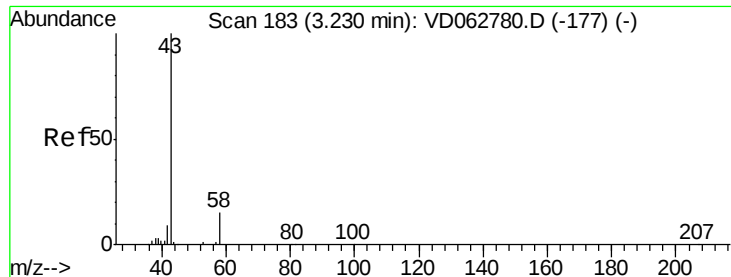


#13

Acrolein
Concen: 1.981 ug/l
RT: 3.06 min Scan# 166
Delta R.T. 0.03 min
Lab File: VD062953.D
Acq: 28 Jun 2019 3:49

Tgt Ion: 56 Resp: 294
Ion Ratio Lower Upper
56 100
55 87.9 55.4 83.0#





#16

Acetone

Concen: 137.531 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062953.D

Acq: 28 Jun 2019 3:49

Instrument :

MSVOA_D

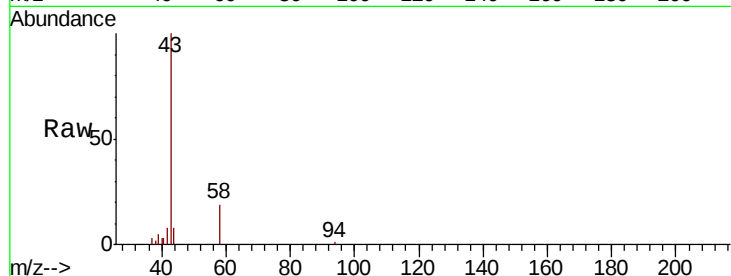
ClientSampleId :

Tot Ion: 43 Resp: 91072

Ion Ratio Lower Upper

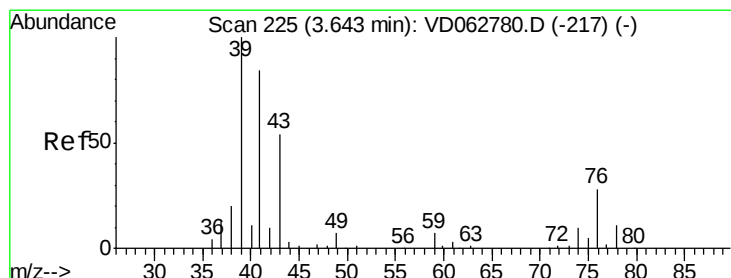
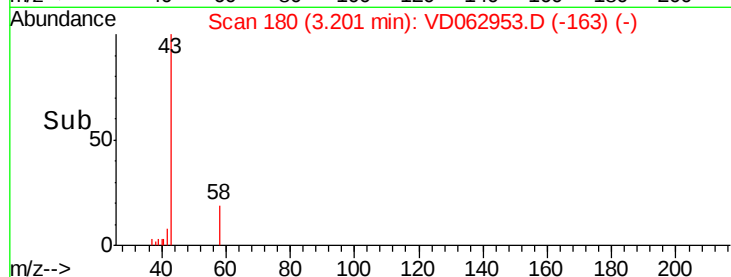
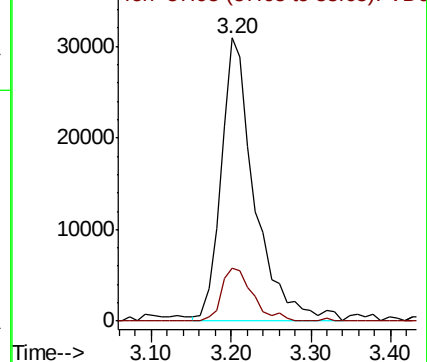
43 100

58 18.5 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: 1.854 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062953.D

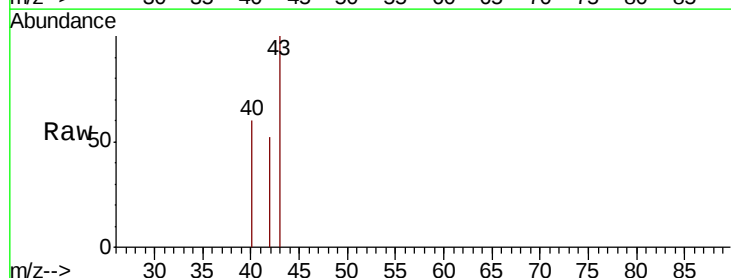
Acq: 28 Jun 2019 3:49

Tgt Ion: 43 Resp: 1787

Ion Ratio Lower Upper

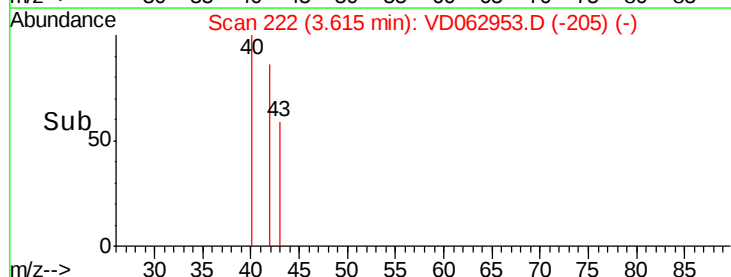
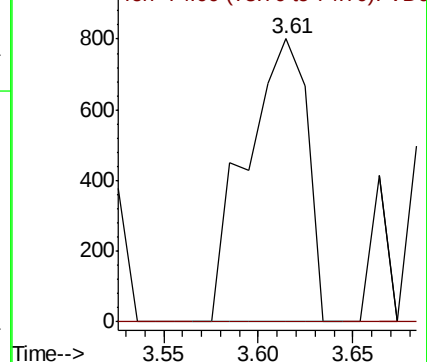
43 100

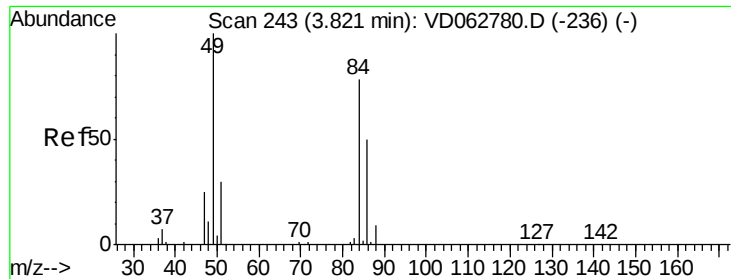
74 0.0 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

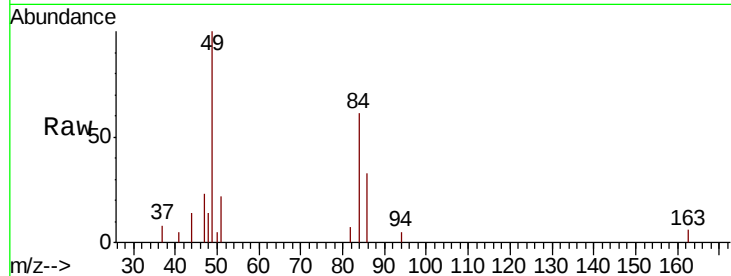




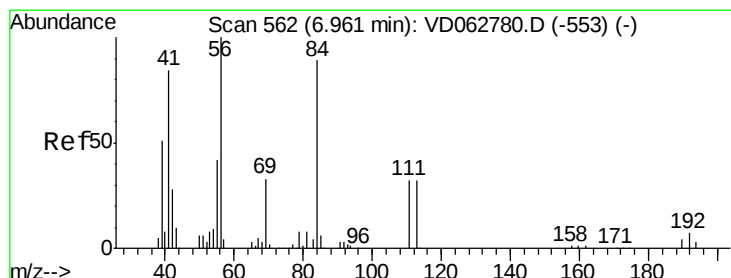
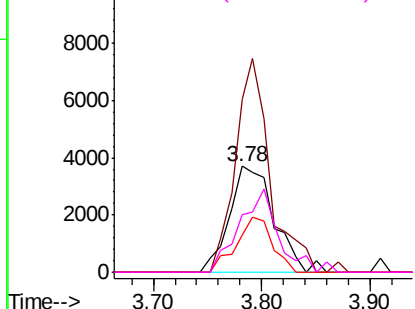
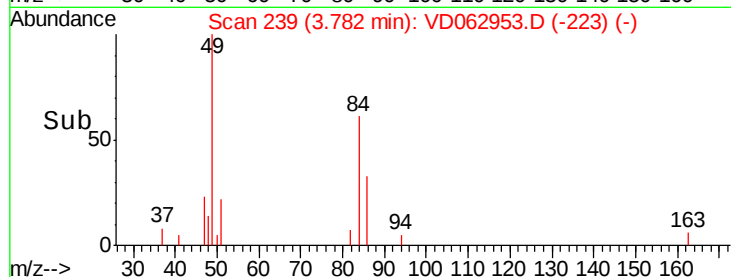
#20
Methvlene Chloride
Concen: 4.355 ug/l
RT: 3.78 min Scan# 239
Delta R.T. -0.04 min
Lab File: VD062953.D
Acq: 28 Jun 2019 3:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 10603
Ion Ratio Lower Upper
84 100
49 162.8 102.9 154.3#
51 35.4 31.2 46.8
86 54.5 51.4 77.2

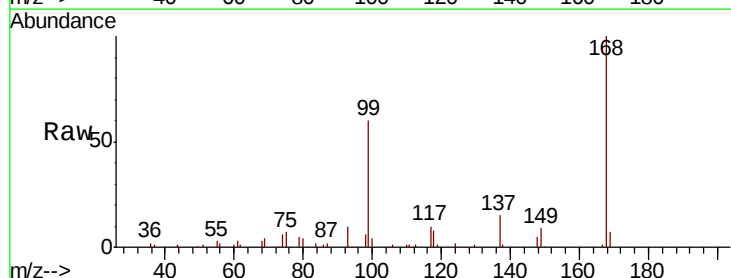


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

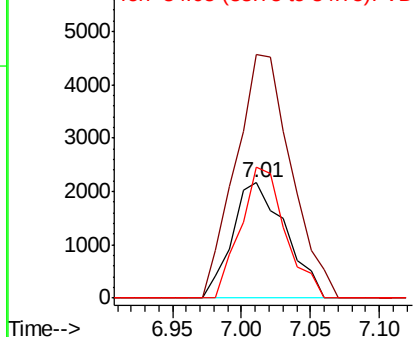
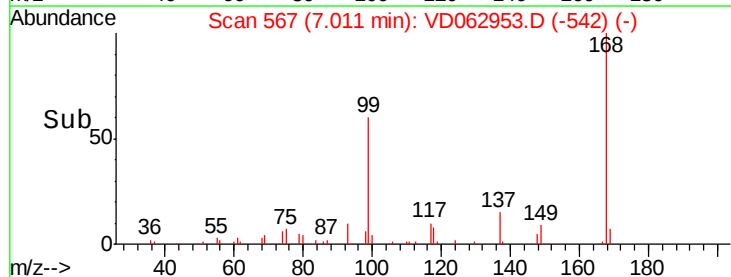


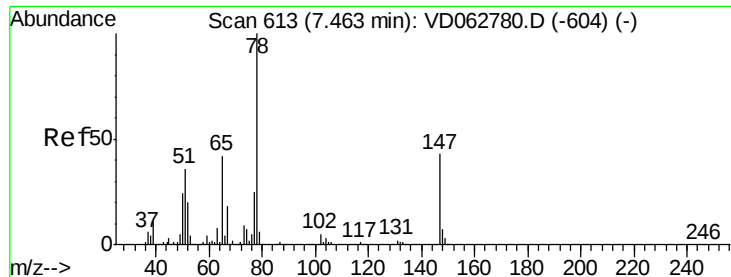
#31
Cyclohexane
Concen: 1.949 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.05 min
Lab File: VD062953.D
Acq: 28 Jun 2019 3:49

Tgt Ion: 56 Resp: 5844
Ion Ratio Lower Upper
56 100
69 210.9 26.6 39.8#
84 113.5 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: 78.118 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062953.D

Acq: 28 Jun 2019 3:49

Instrument :

MSVOA_D

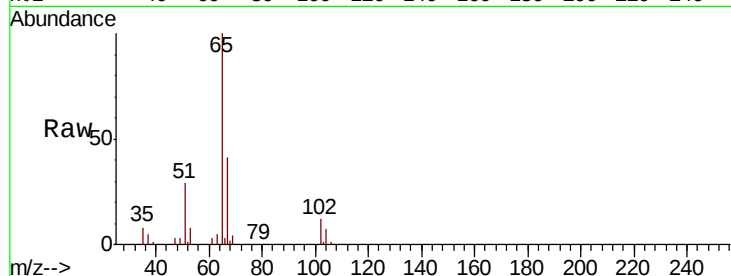
ClientSampled :

Tot Ion: 65 Resp: 249379

Ion Ratio Lower Upper

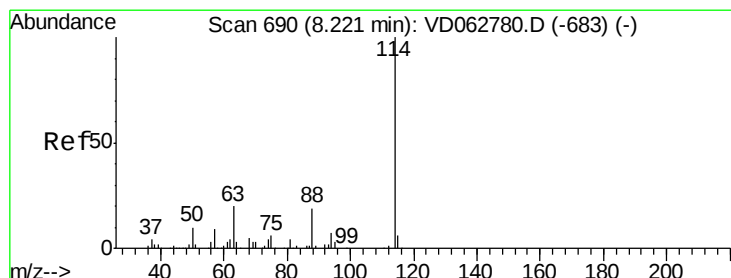
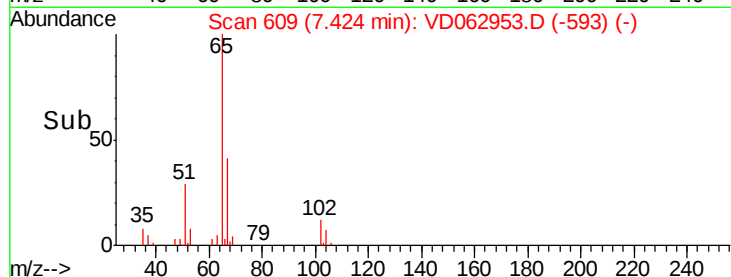
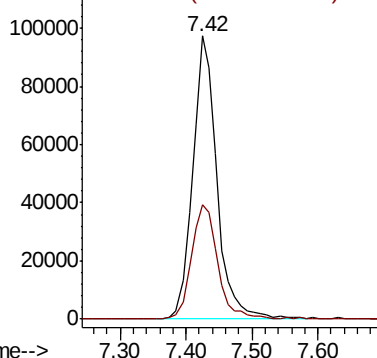
65 100

67 40.6 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: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062953.D

Acq: 28 Jun 2019 3:49

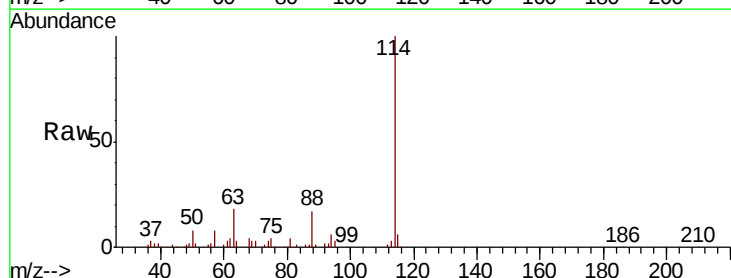
Tgt Ion: 114 Resp: 482734

Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.0

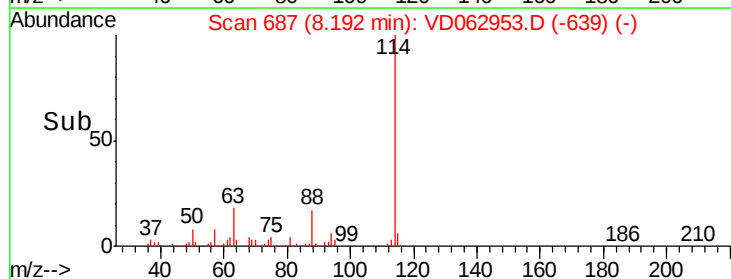
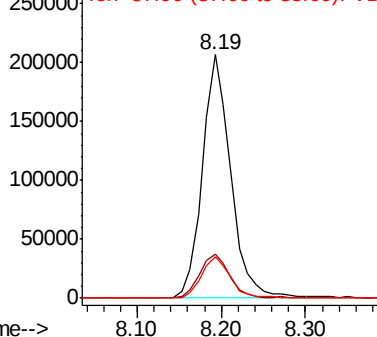
88 16.8 0.0 38.8

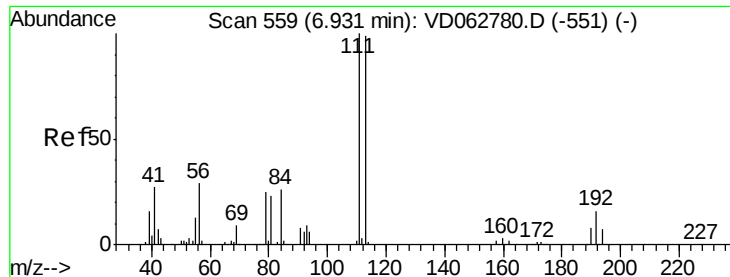


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.238 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062953.D

Acq: 28 Jun 2019 3:49

Instrument :

MSVOA_D

ClientSampleId :

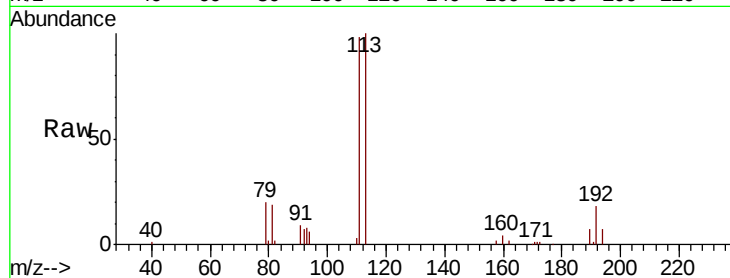
Tot Ion:113 Resp: 208560

Ion Ratio Lower Upper

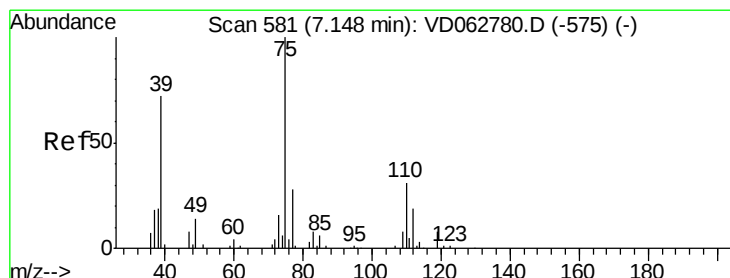
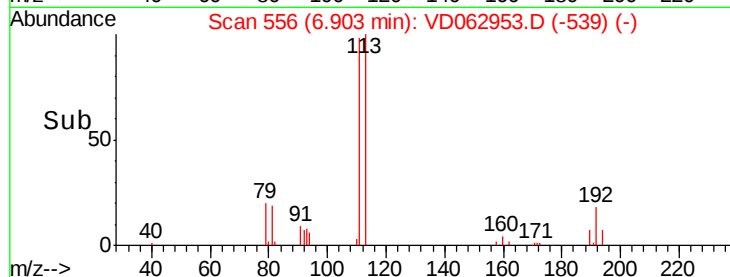
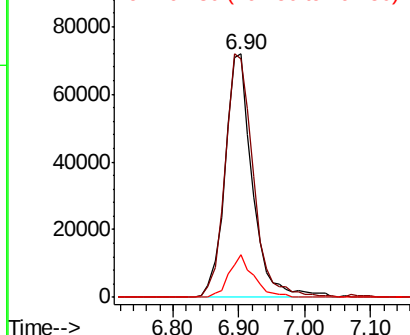
113 100

111 98.1 81.2 121.8

192 17.7 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: 4.593 ug/l

RT: 7.00 min Scan# 566

Delta R.T. -0.15 min

Lab File: VD062953.D

Acq: 28 Jun 2019 3:49

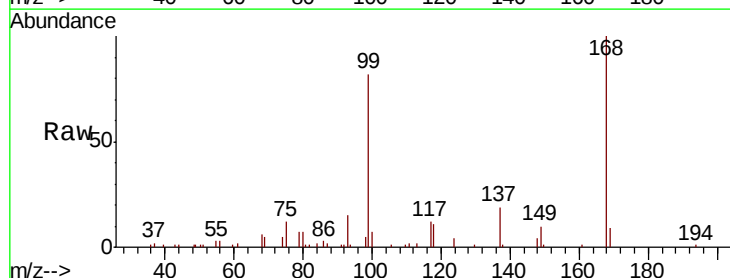
Tgt Ion: 75 Resp: 20990

Ion Ratio Lower Upper

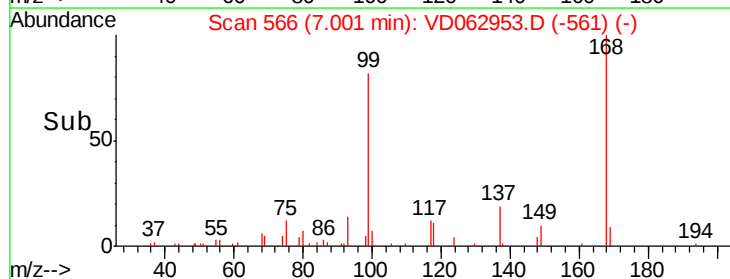
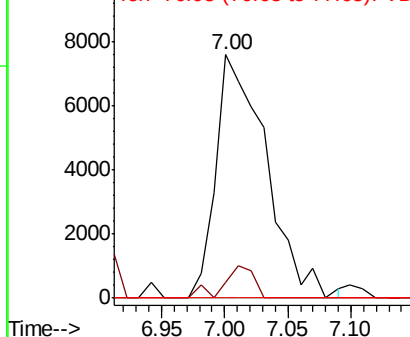
75 100

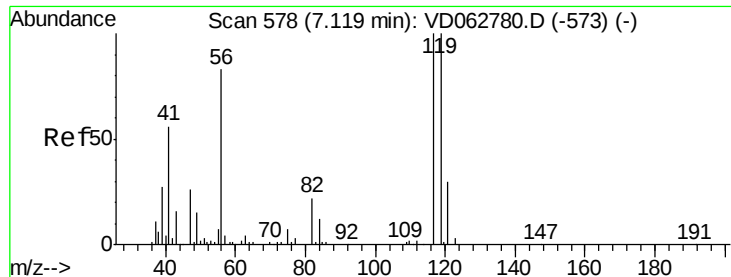
110 6.3 15.0 45.1#

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

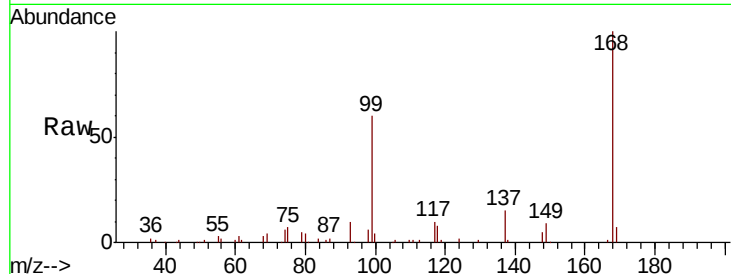




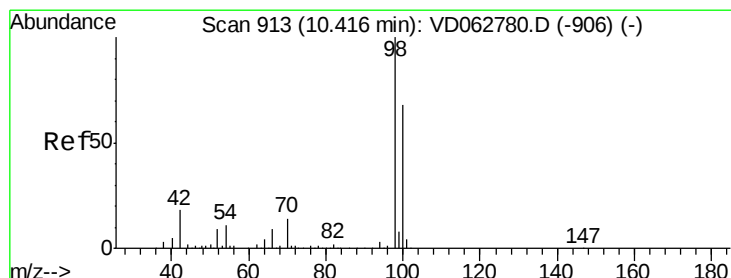
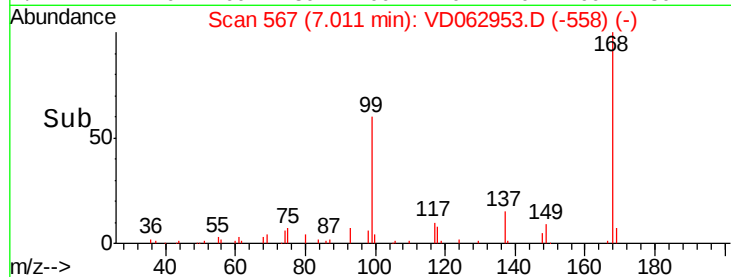
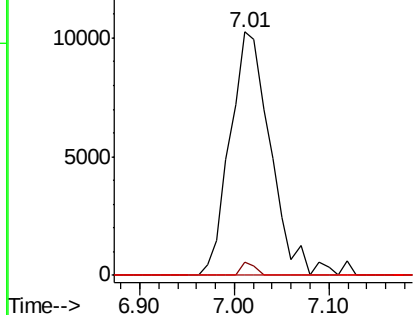
#38
Carbon Tetrachloride
Concen: 4.413 ug/l
RT: 7.01 min Scan# 567
Delta R.T. -0.11 min
Lab File: VD062953.D
Acq: 28 Jun 2019 3:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 30331
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 22.3 33.5#

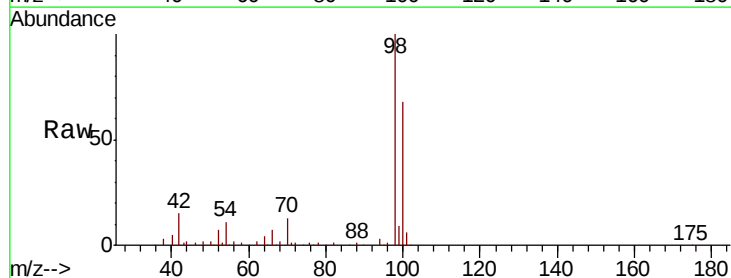


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

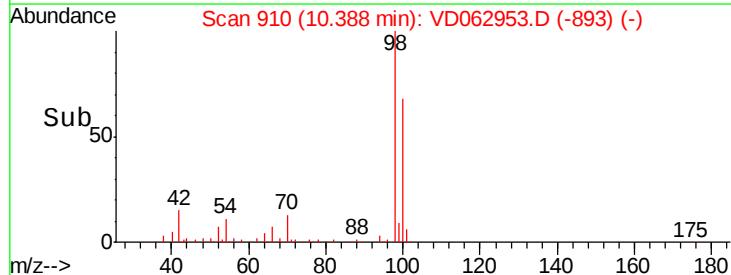
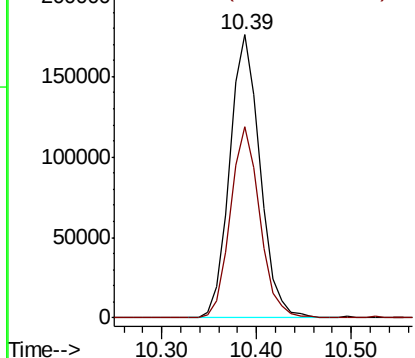


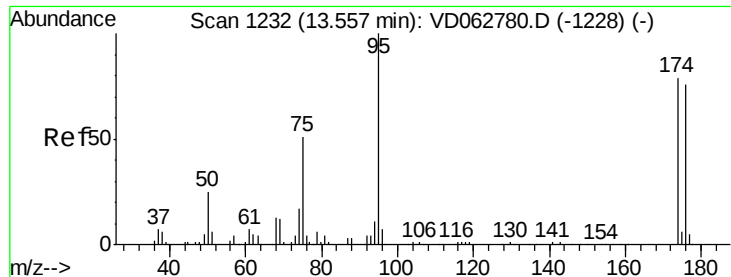
#50
Toluene-d8
Concen: 43.995 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062953.D
Acq: 28 Jun 2019 3:49

Tgt Ion: 98 Resp: 389755
Ion Ratio Lower Upper
98 100
100 67.5 54.7 82.1



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





#62

4-Bromofluorobenzene

Concen: 49.827 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062953.D

Acq: 28 Jun 2019 3:49

Instrument :

MSVOA_D

ClientSampleId :

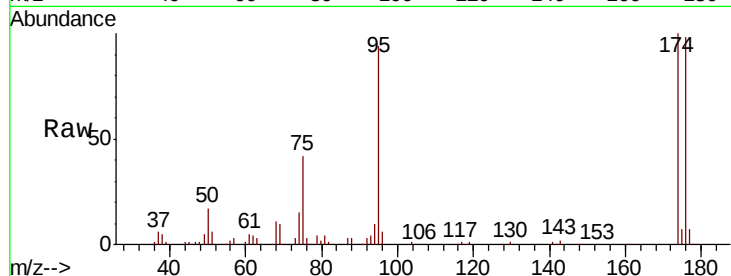
Tot Ion: 95 Resp: 200715

Ion Ratio Lower Upper

95 100

174 106.7 0.0 158.0

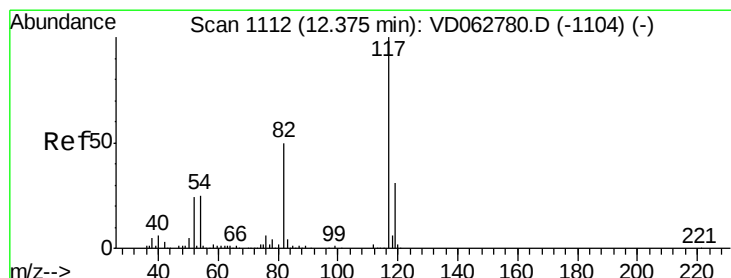
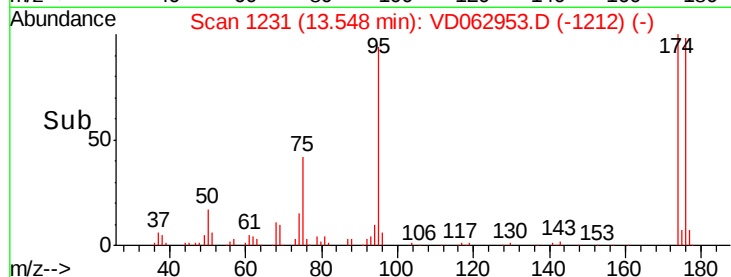
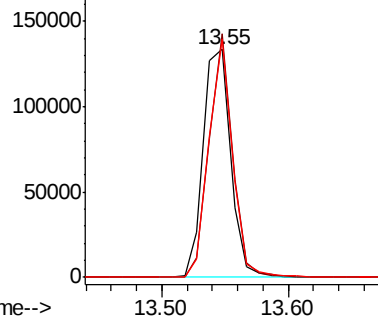
176 104.3 0.0 151.6



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: 12.36 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062953.D

Acq: 28 Jun 2019 3:49

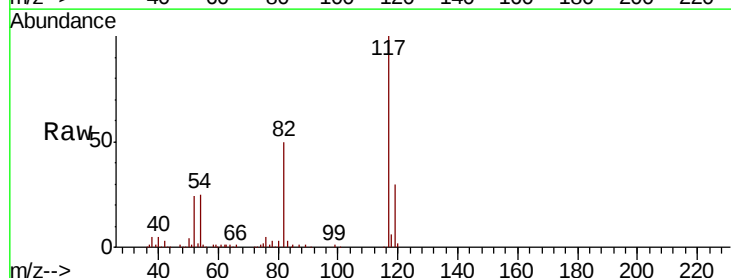
Tgt Ion: 117 Resp: 433002

Ion Ratio Lower Upper

117 100

82 50.1 40.4 60.6

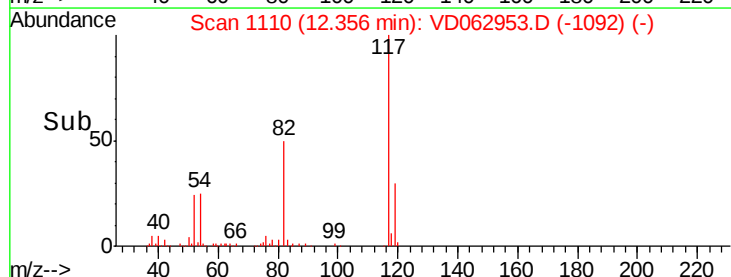
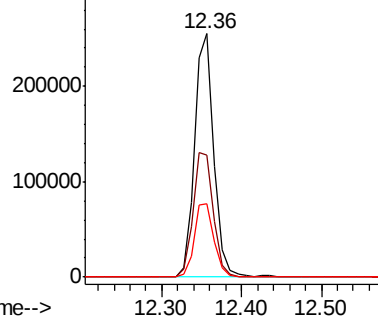
119 30.2 25.2 37.8

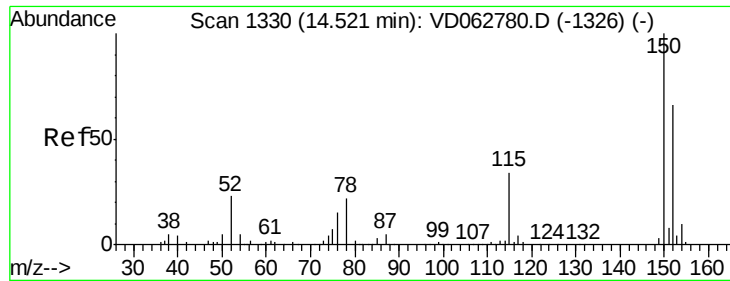


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



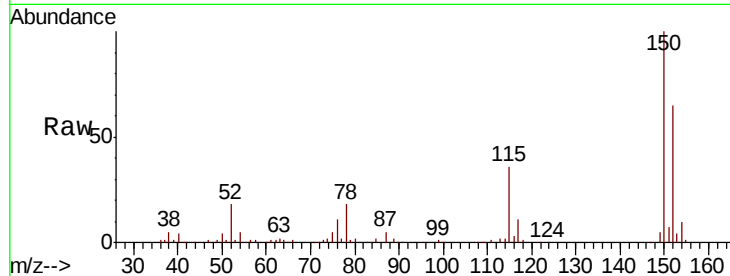


#72

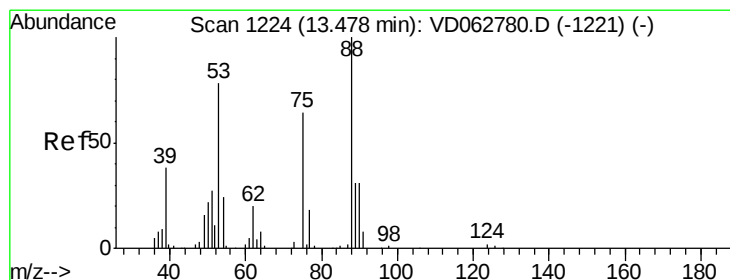
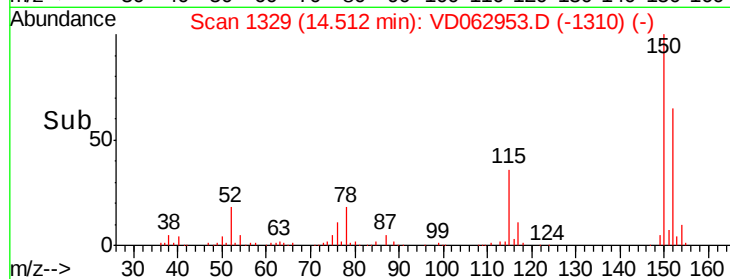
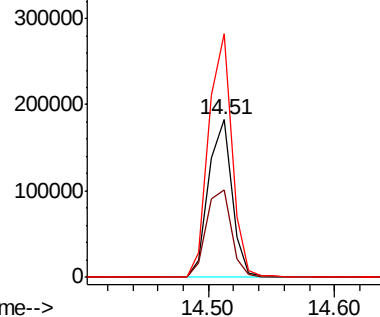
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062953.D
Acq: 28 Jun 2019 3:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.8	29.2	87.6
150	154.6	0.0	305.8



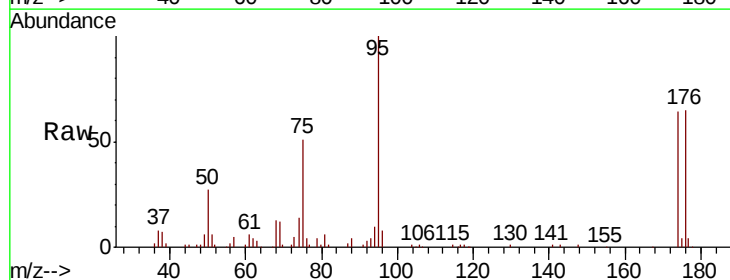
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 138.028 ug/l
RT: 13.54 min Scan# 1230
Delta R.T. 0.06 min
Lab File: VD062953.D
Acq: 28 Jun 2019 3:49

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

