

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062936.D
 Acq On : 27 Jun 2019 17:22
 Operator : VA/AP
 Sample : K3531-02RE
 Misc : 6.94g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:21:46 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

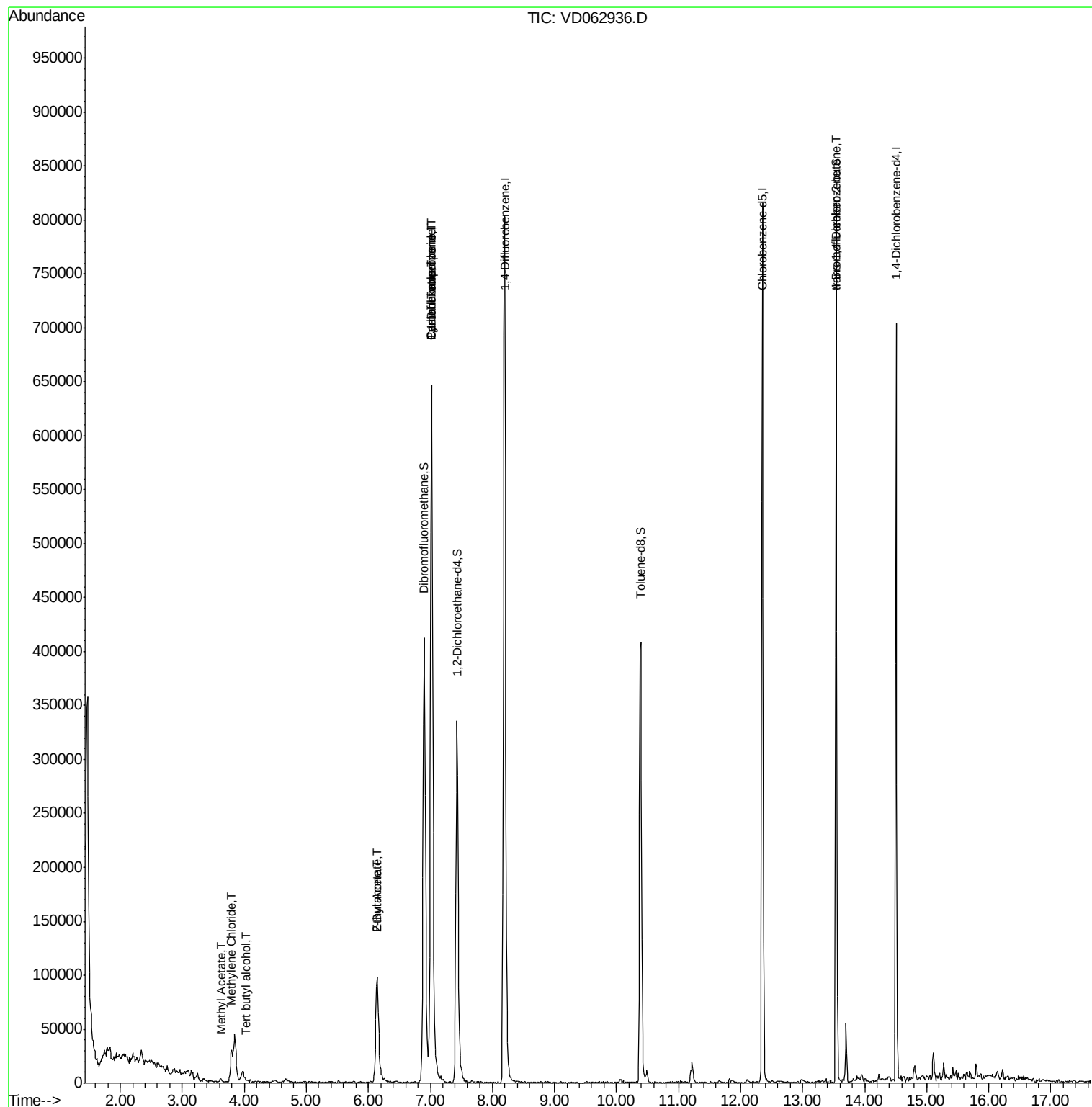
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	604888	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	811026	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	395918	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	133478	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	380000	57.79	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	115.58%	
35) Dibromofluoromethane	6.90	113	373428	54.61	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	109.22%	
50) Toluene-d8	10.39	98	351315	23.60	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	47.20%	
62) 4-Bromofluorobenzene	13.54	95	206651	30.53	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	61.06%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.03	59	916	3.059	ug/l #	77
16) Acetone	3.21	43	3300	Below Cal	#	64
18) Methyl Acetate	3.62	43	4015	2.023	ug/l	97
20) Methylene Chloride	3.80	84	14493	2.890	ug/l #	81
25) 2-Butanone	6.15	43	9980	8.116	ug/l #	64
31) Cyclohexane	7.03	56	13539	2.193	ug/l #	12
36) 1,1-Dichloropropene	7.02	75	49874	6.496	ug/l #	53
37) Ethyl Acetate	6.15	43	9981	2.038	ug/l #	33
38) Carbon Tetrachloride	7.02	117	62600	5.421	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.54	75	98686	244.364	ug/l #	2

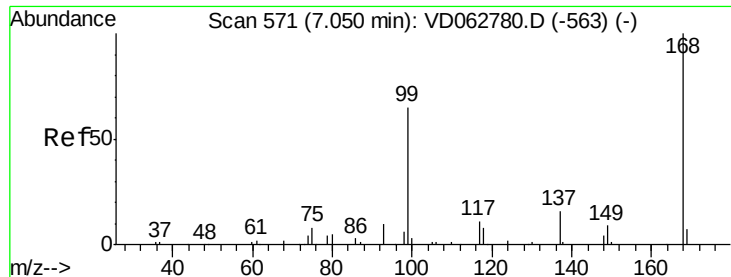
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
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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: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062936.D

Acq: 27 Jun 2019 17:22

Instrument :

MSVOA_D

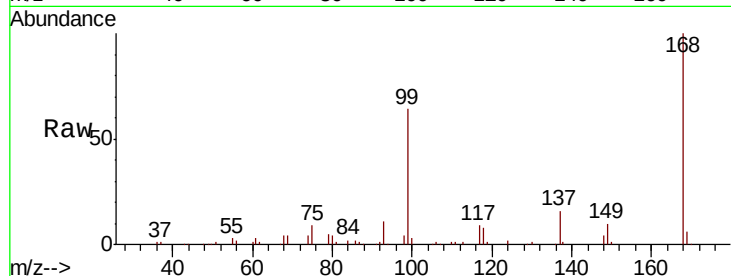
ClientSampleId :

Tot Ion:168 Resp: 604888

Ion Ratio Lower Upper

168 100

99 63.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

250000

200000

150000

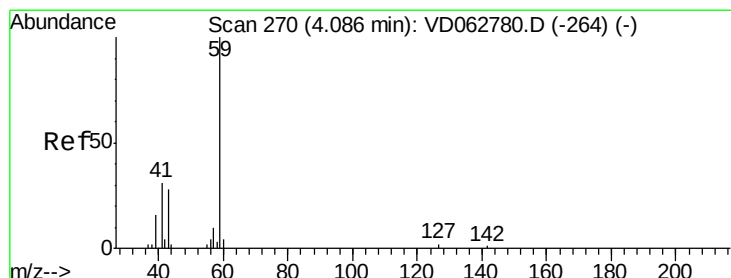
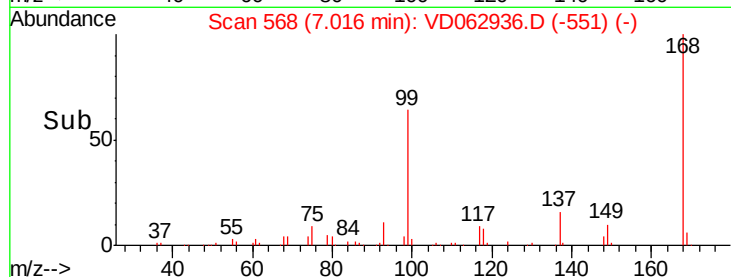
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 3.059 ug/l

RT: 4.03 min Scan# 265

Delta R.T. -0.05 min

Lab File: VD062936.D

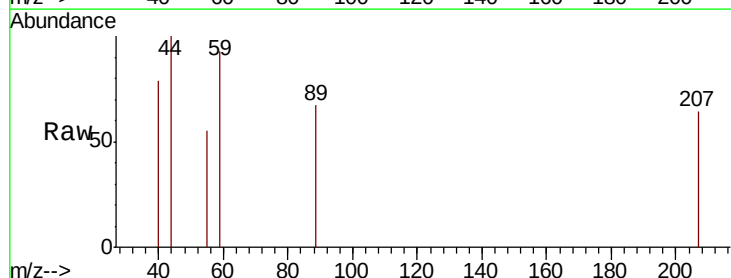
Acq: 27 Jun 2019 17:22

Tgt Ion: 59 Resp: 916

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

2500

2000

1500

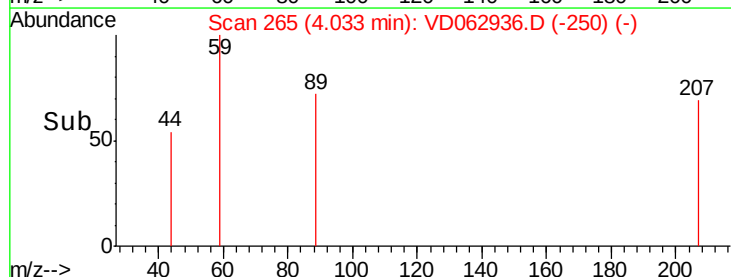
1000

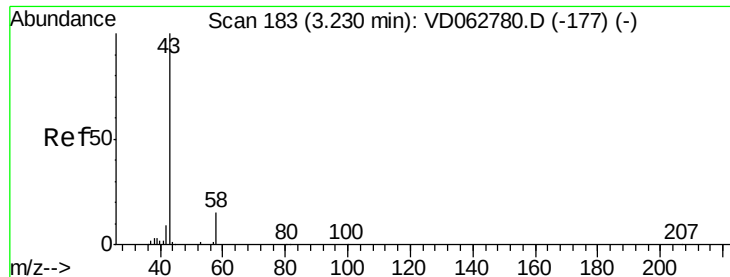
500

0

Time-->

4.00 4.02 4.04 4.06 4.08

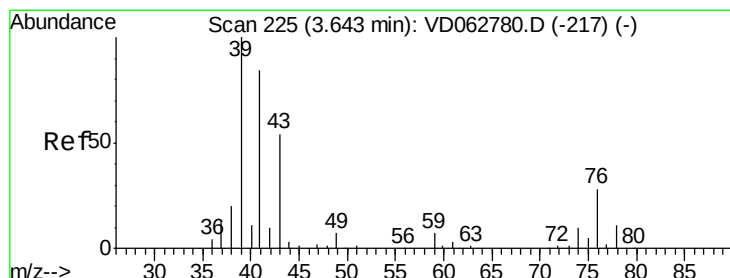
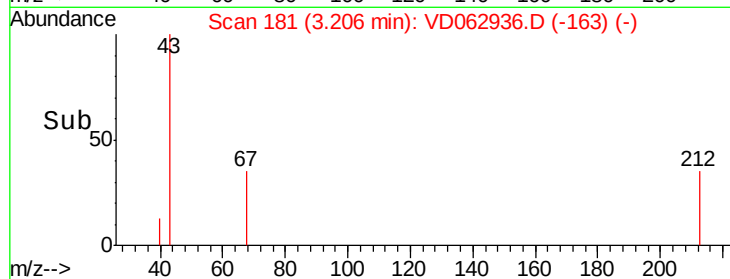
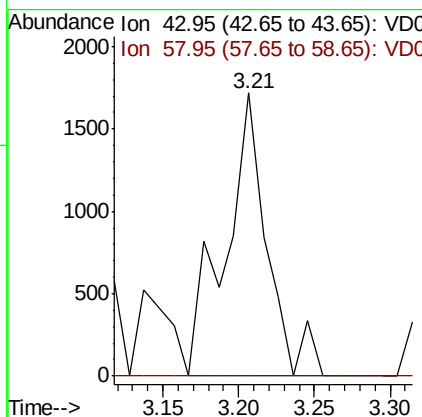
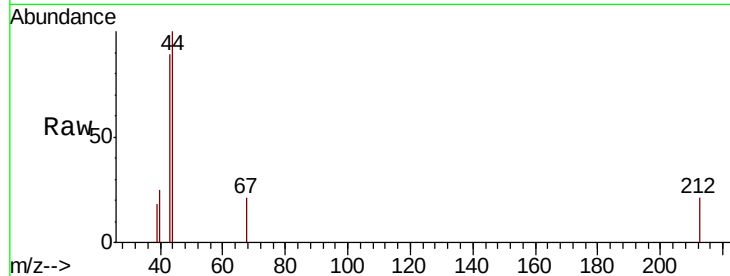




#16
Acetone
Concen: Below Cal
RT: 3.21 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD062936.D
Acq: 27 Jun 2019 17:22

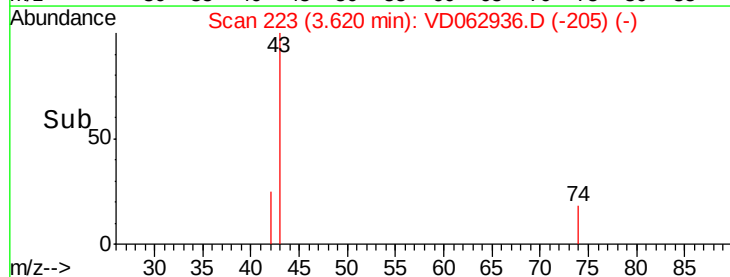
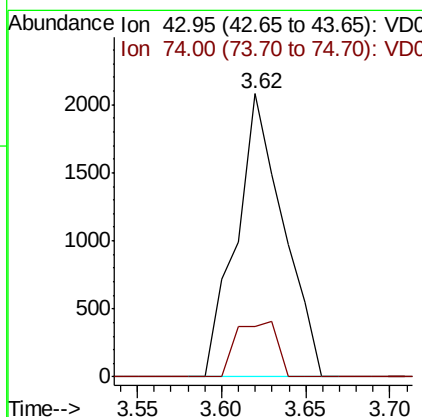
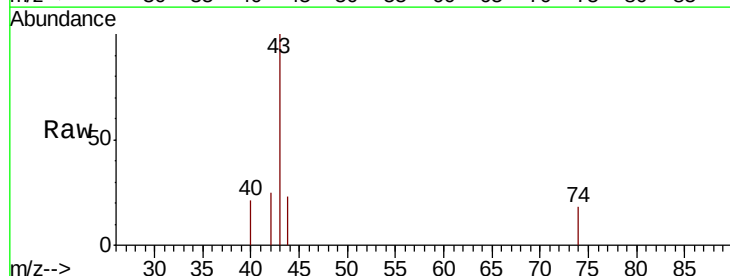
Instrument :
MSVOA_D
ClientSampleId :

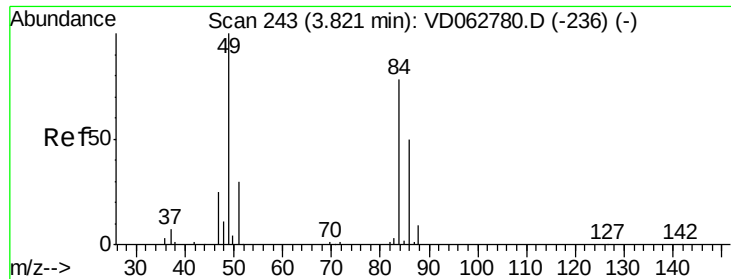
Tot Ion: 43 Resp: 3300
Ion Ratio Lower Upper
43 100
58 0.0 11.9 17.9#



#18
Methyl Acetate
Concen: 2.023 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062936.D
Acq: 27 Jun 2019 17:22

Tgt Ion: 43 Resp: 4015
Ion Ratio Lower Upper
43 100
74 17.7 15.2 22.8

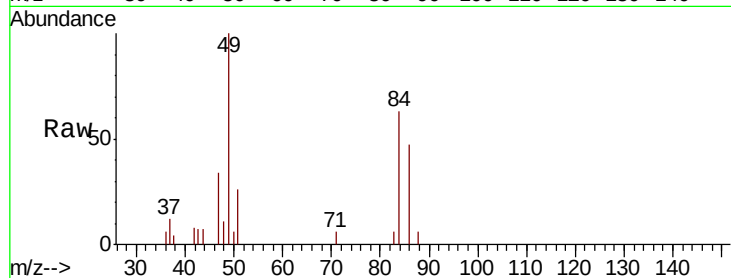




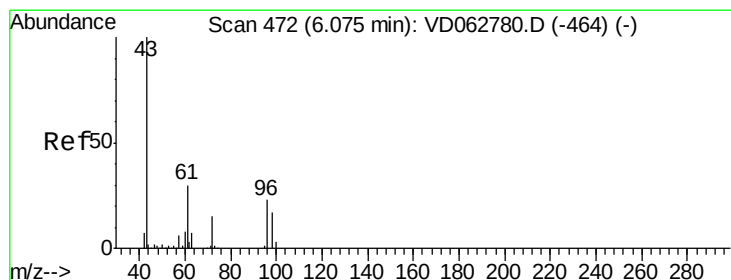
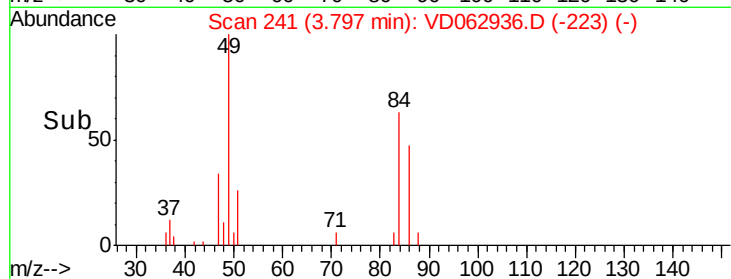
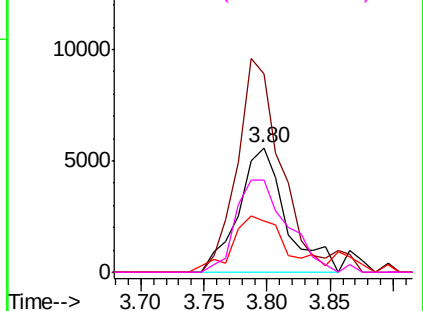
#20
Methvlene Chloride
Concen: 2.890 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD062936.D
Acq: 27 Jun 2019 17:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 14493
Ion Ratio Lower Upper
84 100
49 159.6 102.9 154.3#
51 41.3 31.2 46.8
86 74.3 51.4 77.2

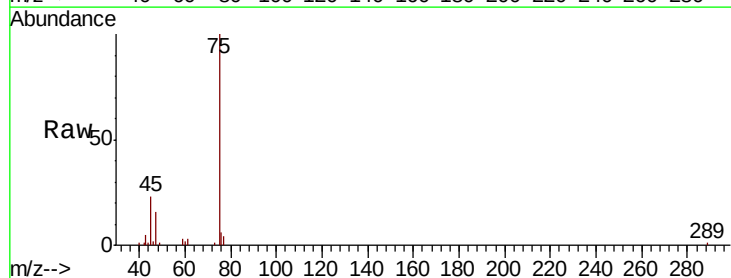


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

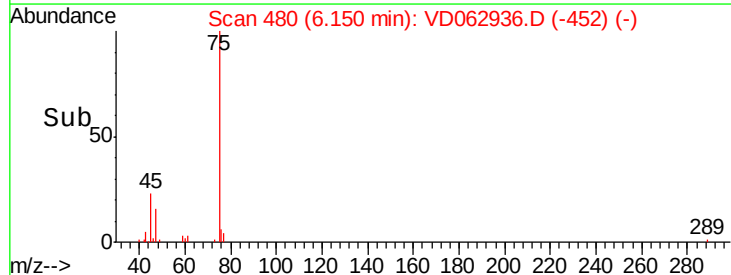
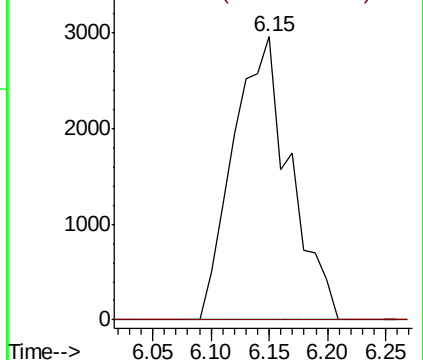


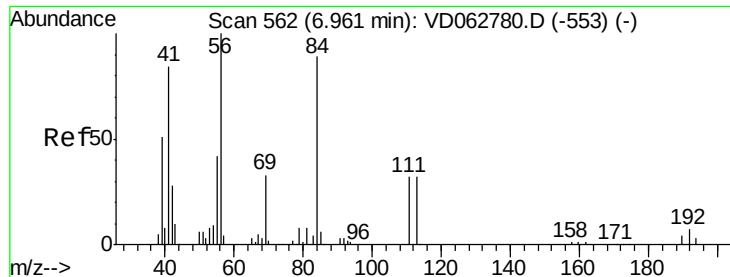
#25
2-Butanone
Concen: 8.116 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.07 min
Lab File: VD062936.D
Acq: 27 Jun 2019 17:22

Tgt Ion: 43 Resp: 9980
Ion Ratio Lower Upper
43 100
72 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

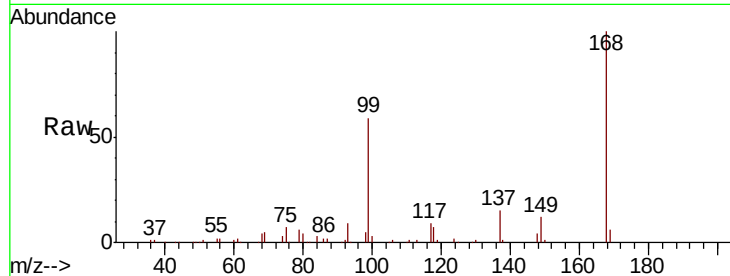




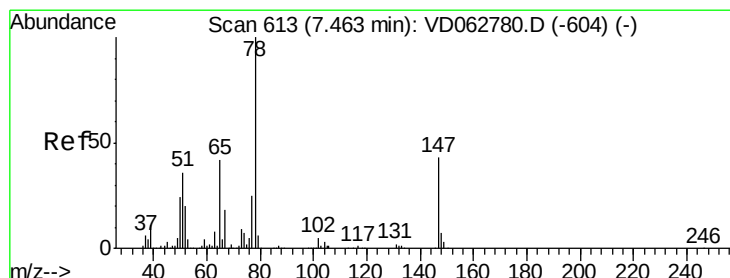
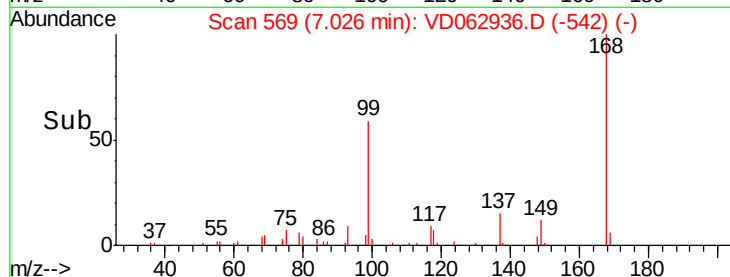
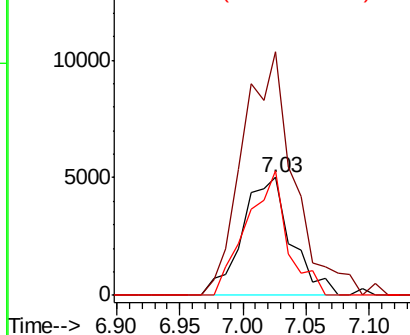
#31
Cyclohexane
Concen: 2.193 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD062936.D
Acq: 27 Jun 2019 17:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 13539
Ion Ratio Lower Upper
56 100
69 206.9 26.6 39.8#
84 105.8 75.5 113.3

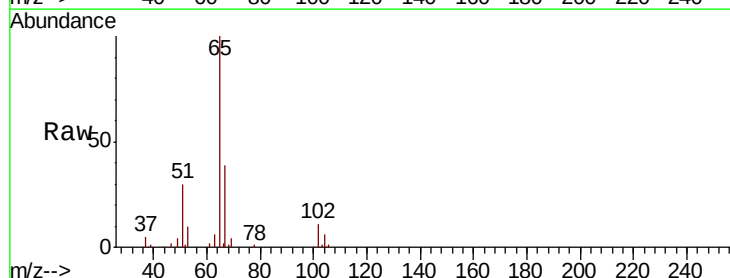


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

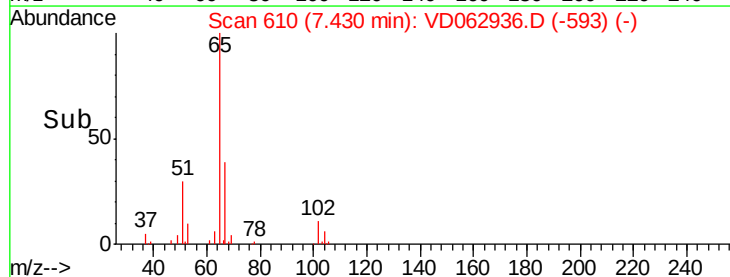
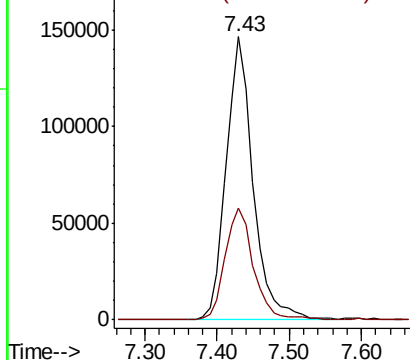


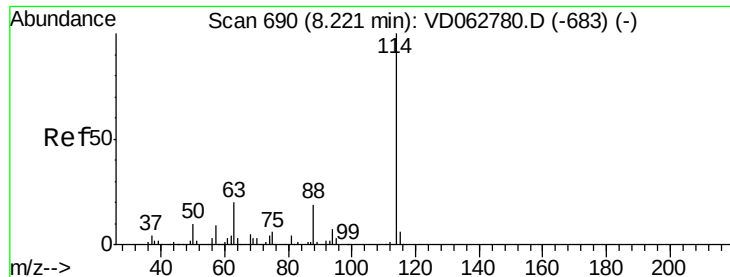
#33
1,2-Dichloroethane-d4
Concen: 57.794 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.03 min
Lab File: VD062936.D
Acq: 27 Jun 2019 17:22

Tgt Ion: 65 Resp: 380000
Ion Ratio Lower Upper
65 100
67 39.4 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: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062936.D

Acq: 27 Jun 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

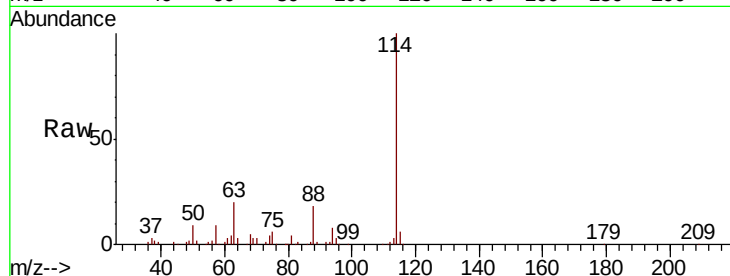
Tot Ion:114 Resp: 811026

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

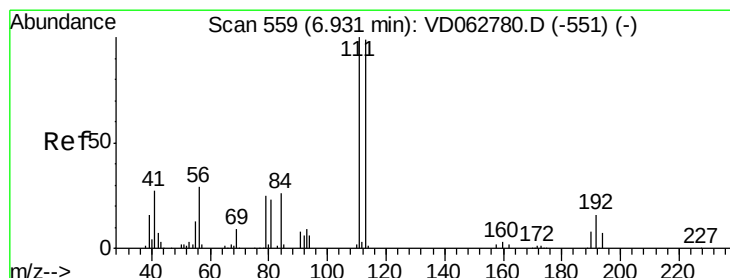
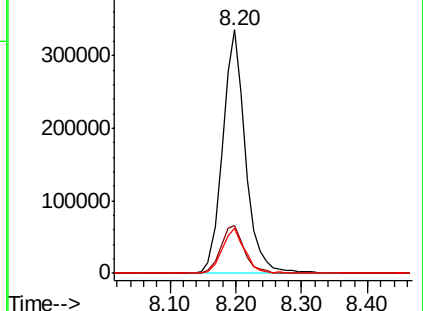
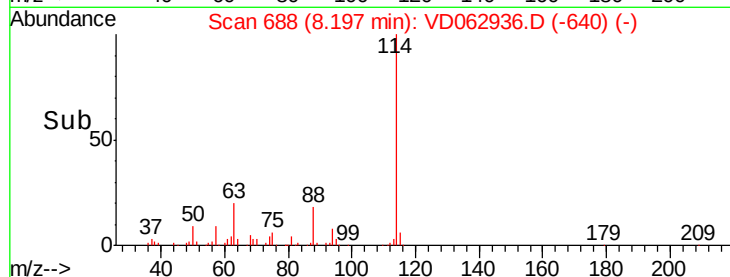
88 18.4 0.0 38.8



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: 54.606 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062936.D

Acq: 27 Jun 2019 17:22

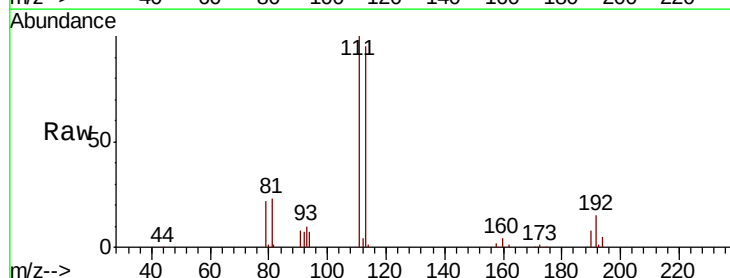
Tgt Ion:113 Resp: 373428

Ion Ratio Lower Upper

113 100

111 105.8 81.2 121.8

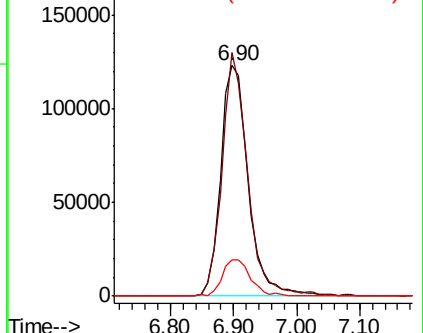
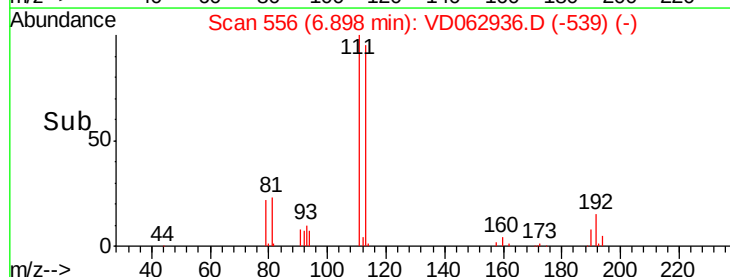
192 15.7 12.9 19.3

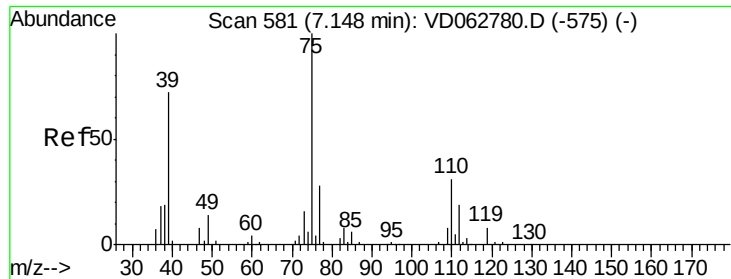


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

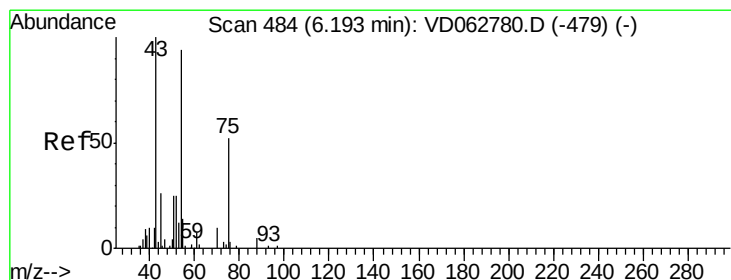
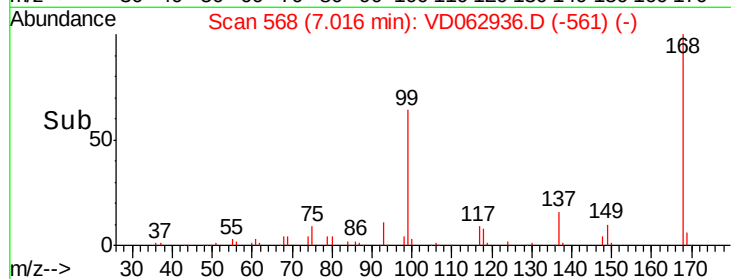
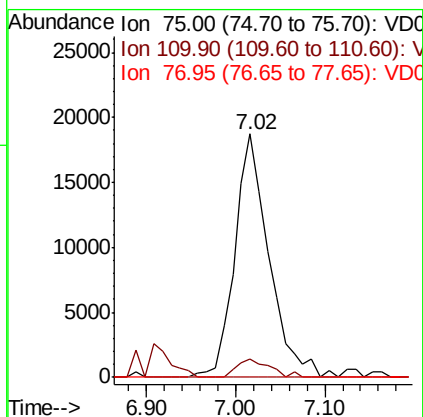
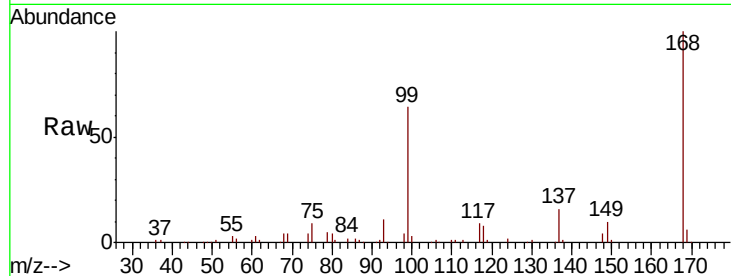




#36
 1,1-Dichloropropene
 Concen: 6.496 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.13 min
 Lab File: VD062936.D
 Acq: 27 Jun 2019 17:22

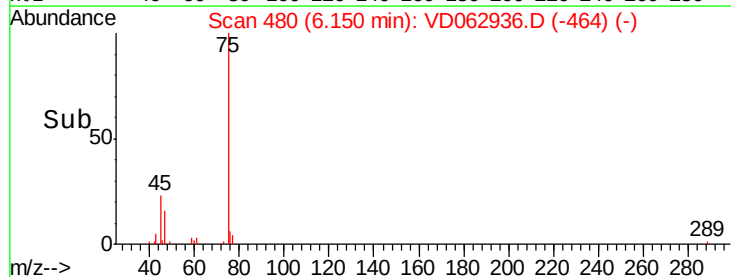
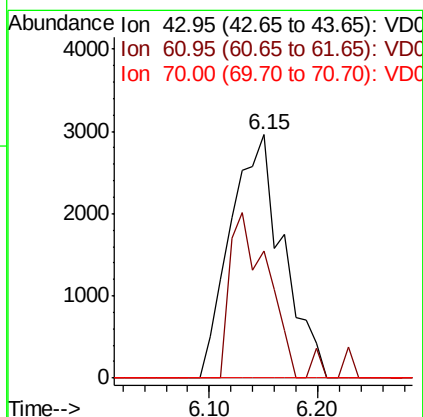
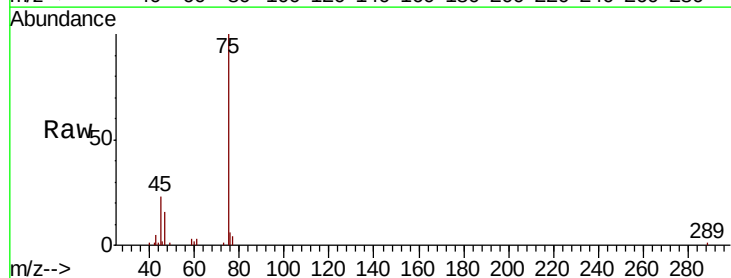
Instrument :
 MSVOA_D
 ClientSampleID :

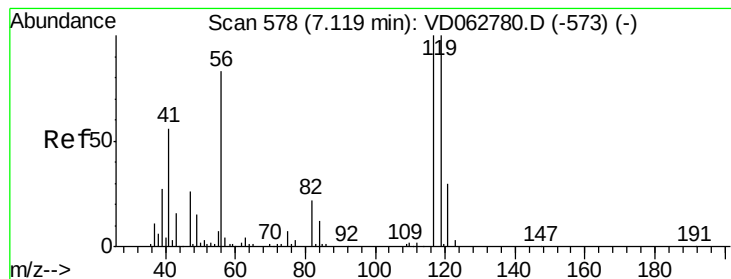
Tot Ion: 75 Resp: 49874
 Ion Ratio Lower Upper
 75 100
 110 7.6 15.0 45.1#
 77 0.0 22.2 33.2#



#37
 Ethyl Acetate
 Concen: 2.038 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.04 min
 Lab File: VD062936.D
 Acq: 27 Jun 2019 17:22

Tgt Ion: 43 Resp: 9981
 Ion Ratio Lower Upper
 43 100
 61 52.1 11.6 17.4#
 70 0.0 6.4 9.6#





#38

Carbon Tetrachloride

Concen: 5.421 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062936.D

Acq: 27 Jun 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

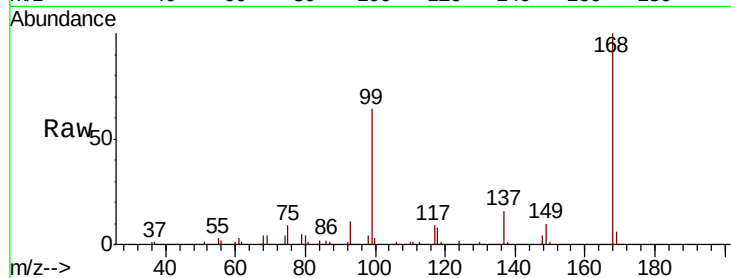
Tot Ion:117 Resp: 62600

Ion Ratio Lower Upper

117 100

119 5.7 75.4 113.2#

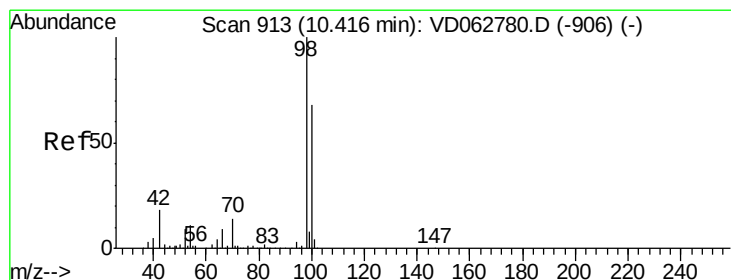
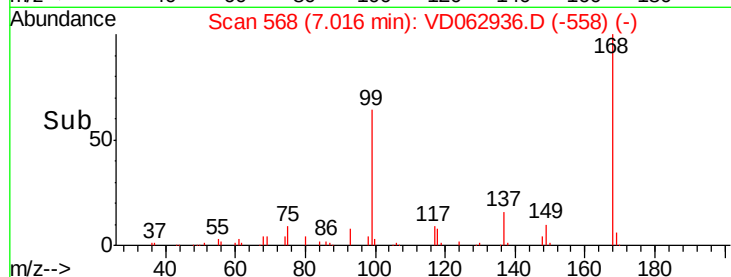
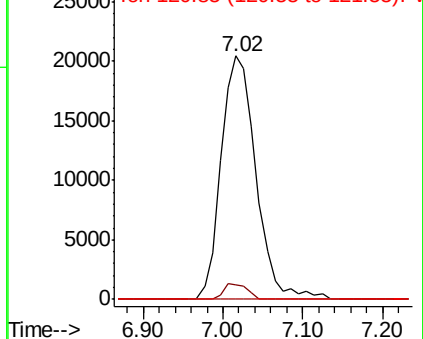
121 0.0 22.3 33.5#



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: 23.604 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD062936.D

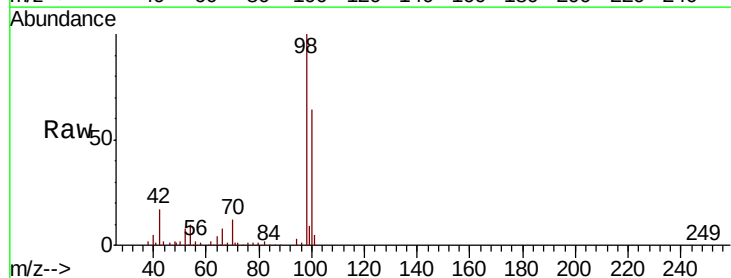
Acq: 27 Jun 2019 17:22

Tgt Ion: 98 Resp: 351315

Ion Ratio Lower Upper

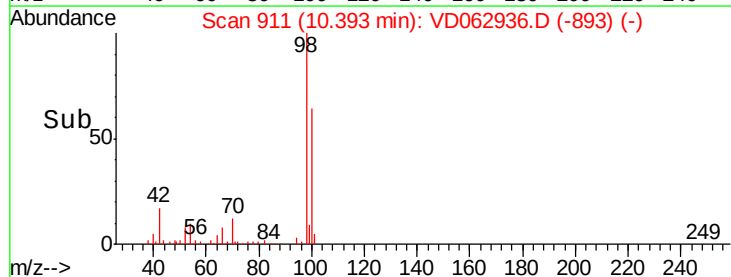
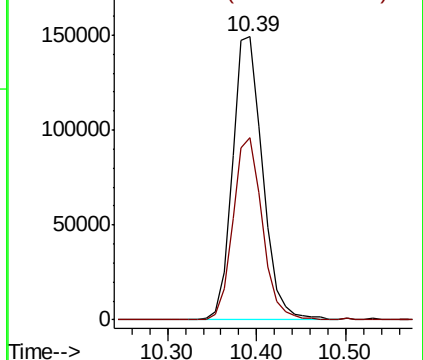
98 100

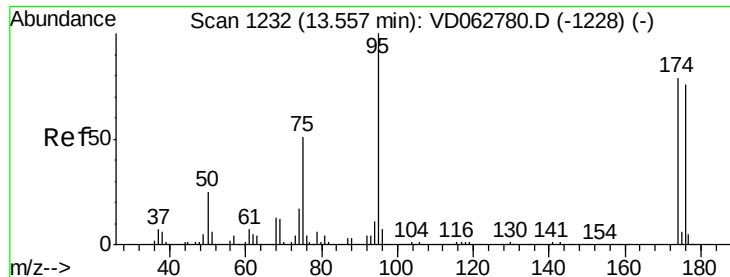
100 64.5 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 30.535 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062936.D

Acq: 27 Jun 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

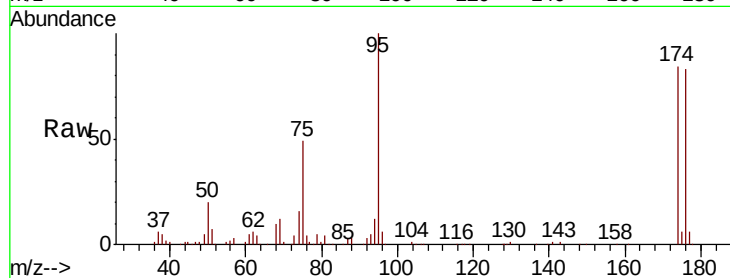
Tot Ion: 95 Resp: 206651

Ion Ratio Lower Upper

95 100

174 84.3 0.0 158.0

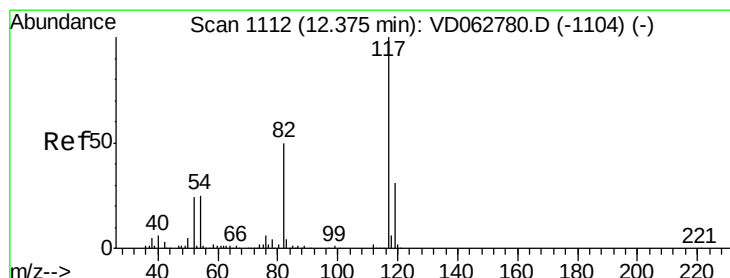
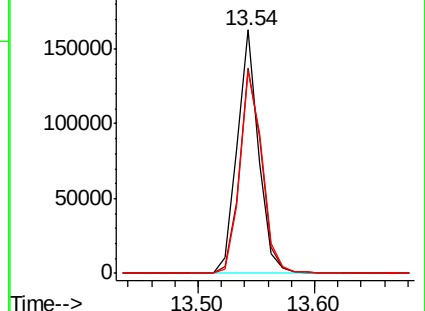
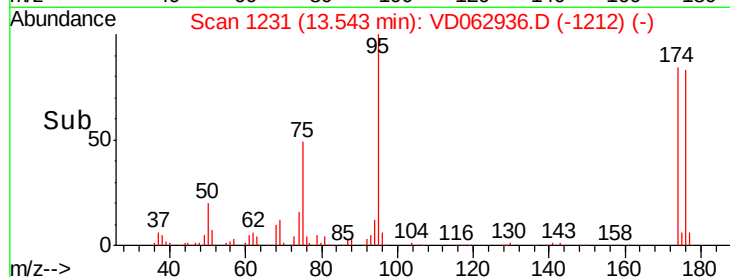
176 83.0 0.0 151.6



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: 12.35 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062936.D

Acq: 27 Jun 2019 17:22

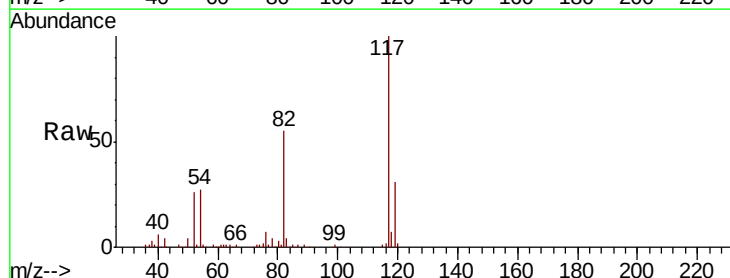
Tgt Ion: 117 Resp: 395918

Ion Ratio Lower Upper

117 100

82 55.1 40.4 60.6

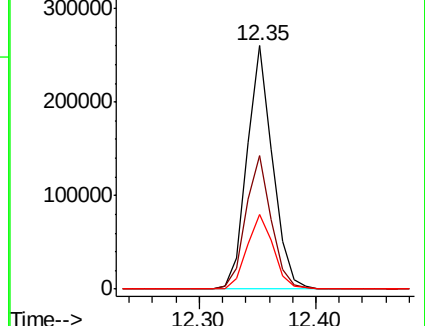
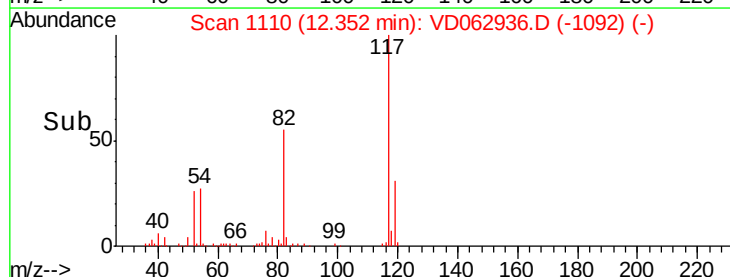
119 30.7 25.2 37.8

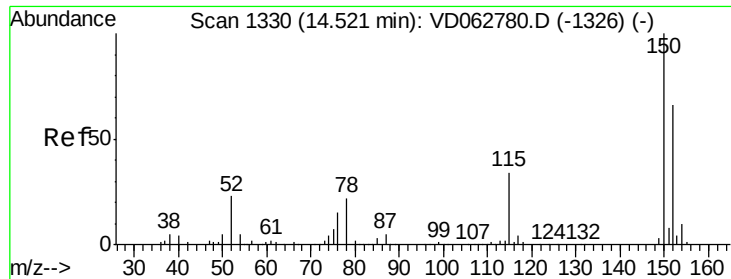


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



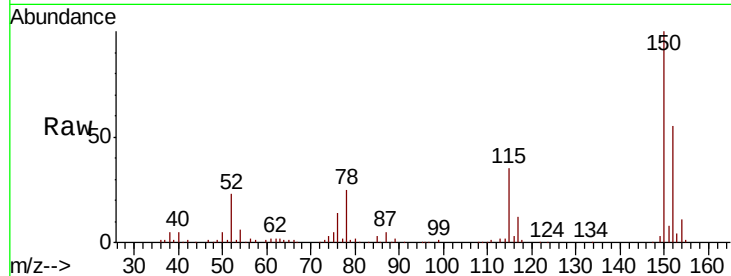


#72

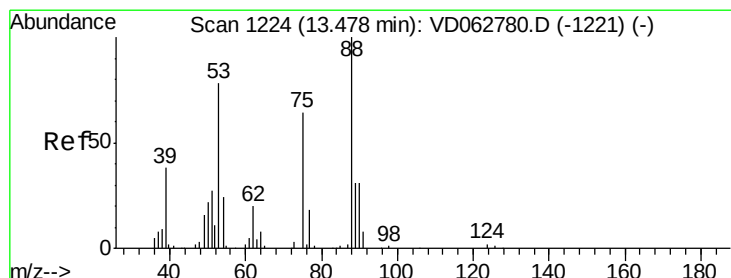
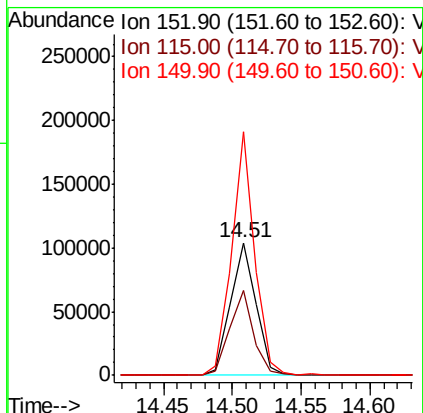
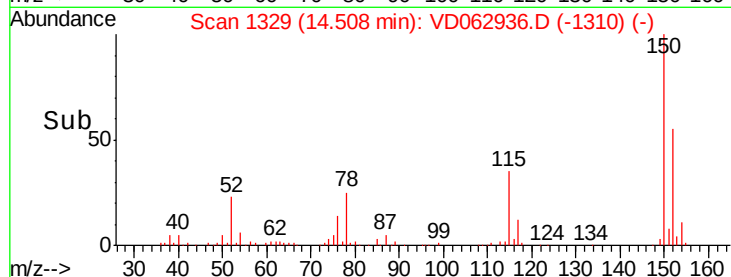
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062936.D
Acq: 27 Jun 2019 17:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 133478
Ion Ratio Lower Upper
152 100
115 63.9 29.2 87.6
150 183.4 0.0 305.8



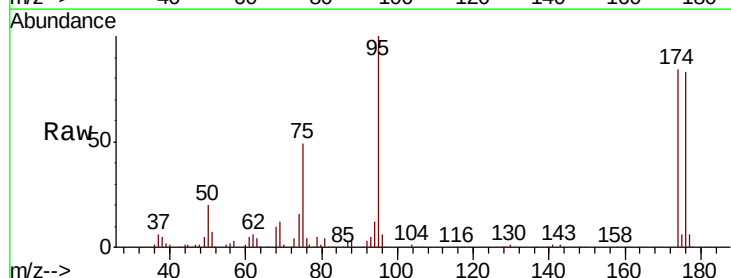
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 244.364 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD062936.D
Acq: 27 Jun 2019 17:22

Tgt Ion: 75 Resp: 98686
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

