

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063041.D
 Acq On : 8 Jul 2019 17:25
 Operator : VA/AP
 Sample : K3693-01
 Misc : 6.44g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200028

Quant Time: Jul 09 05:11:52 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	757913	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1110335	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	864744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	418616	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	391788	47.56	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	95.12%	
35) Dibromofluoromethane	6.91	113	408821	43.67	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	87.34%	
50) Toluene-d8	10.40	98	831857	40.82	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	81.64%	
62) 4-Bromofluorobenzene	13.55	95	341118	36.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.64%	

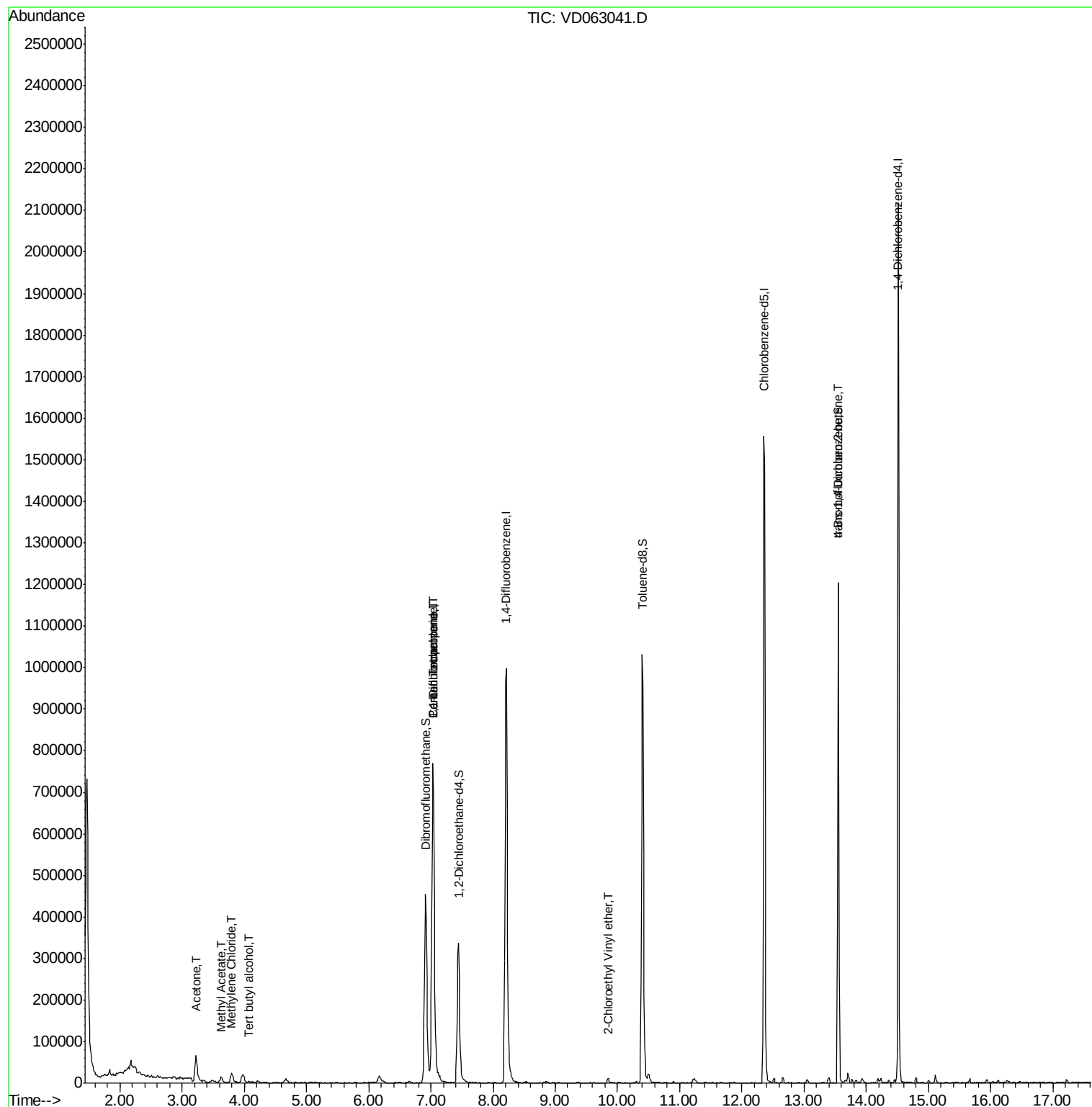
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	4856	12.942	ug/l #	77
16) Acetone	3.22	43	115466	63.906	ug/l #	92
18) Methyl Acetate	3.63	43	21045	8.462	ug/l	93
20) Methylene Chloride	3.79	84	12996	2.068	ug/l	94
36) 1,1-Dichloropropene	7.04	75	58252	5.542	ug/l #	56
37) Ethyl Acetate	6.17	43	1349	Below Cal	#	1
38) Carbon Tetrachloride	7.03	117	77163	4.881	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.86	63	5413	2.025	ug/l #	88
81) trans-1,4-Dichloro-2-buten	13.55	75	169041	133.465	ug/l #	2

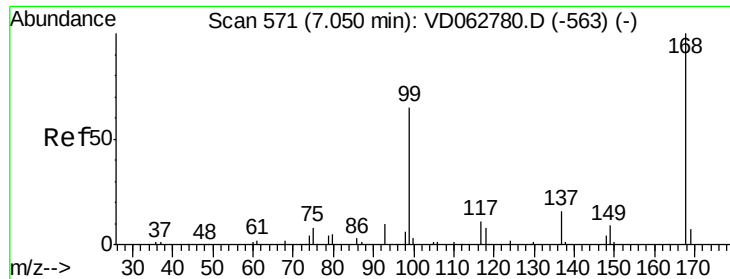
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063041.D

Acq: 8 Jul 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

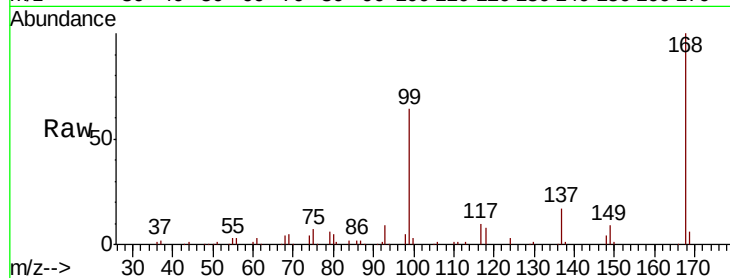
RBR-200028

Tot Ion:168 Resp: 757913

Ion Ratio Lower Upper

168 100

99 64.4 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

250000

200000

150000

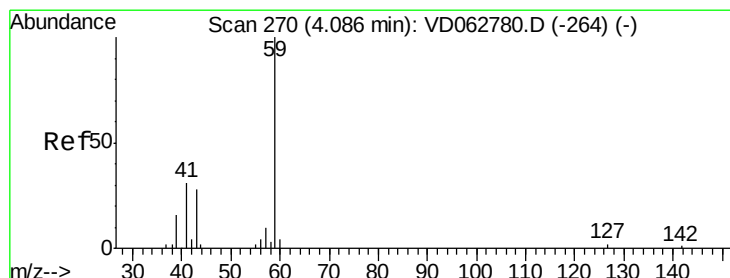
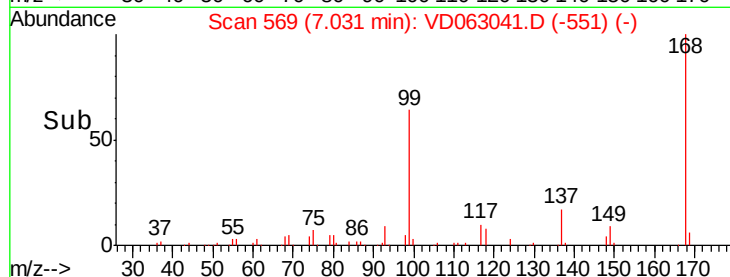
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#11

Tert butyl alcohol

Concen: 12.942 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD063041.D

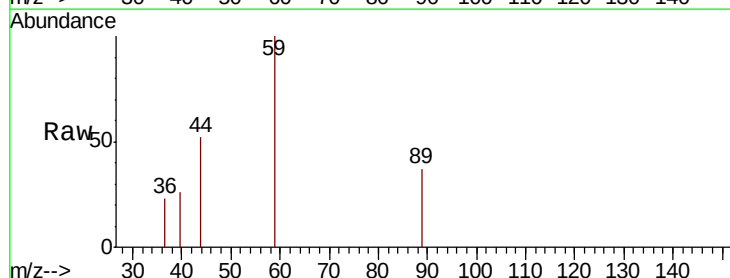
Acq: 8 Jul 2019 17:25

Tgt Ion: 59 Resp: 4856

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

6000

5000

4000

3000

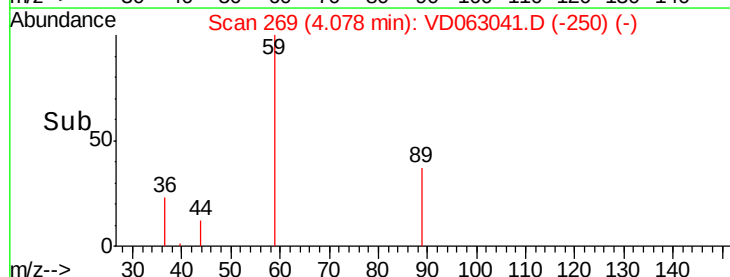
2000

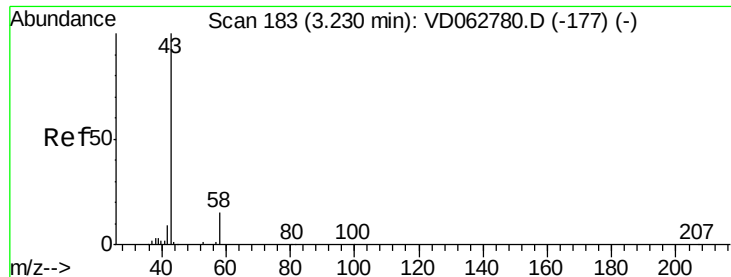
1000

0

4.00 4.05 4.10 4.15

Time-->





#16

Acetone

Concen: 63.906 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063041.D

Acq: 8 Jul 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

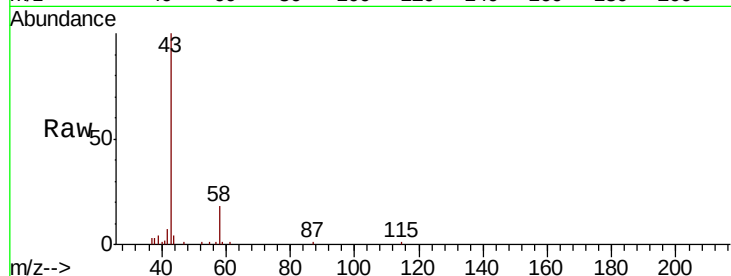
RBR-200028

Tot Ion: 43 Resp: 115466

Ion Ratio Lower Upper

43 100

58 18.3 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

40000

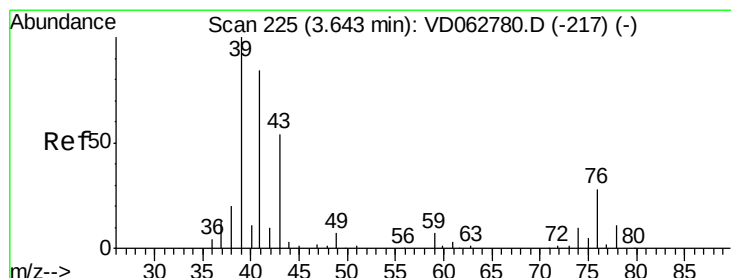
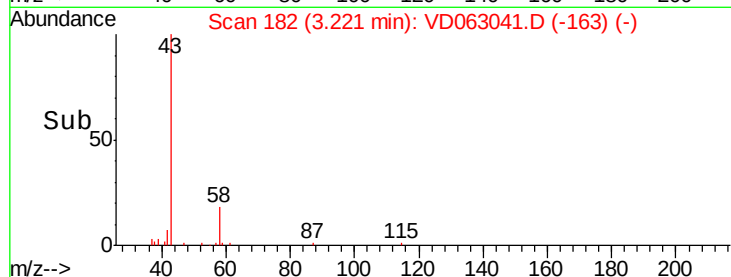
30000

20000

10000

0

Time--> 3.10 3.20 3.30



#18

Methyl Acetate

Concen: 8.462 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD063041.D

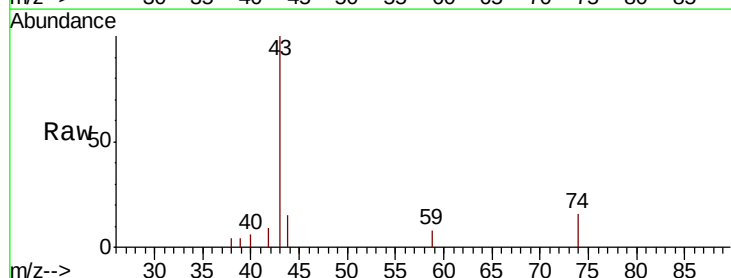
Acq: 8 Jul 2019 17:25

Tgt Ion: 43 Resp: 21045

Ion Ratio Lower Upper

43 100

74 15.9 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.63

8000

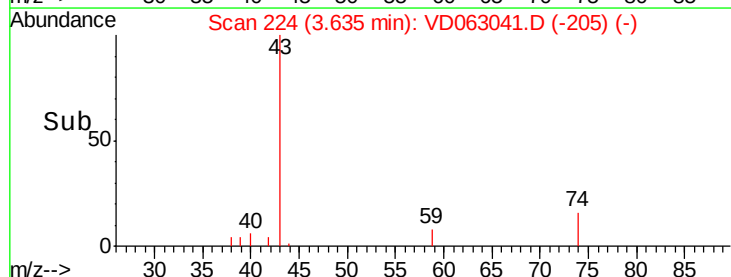
6000

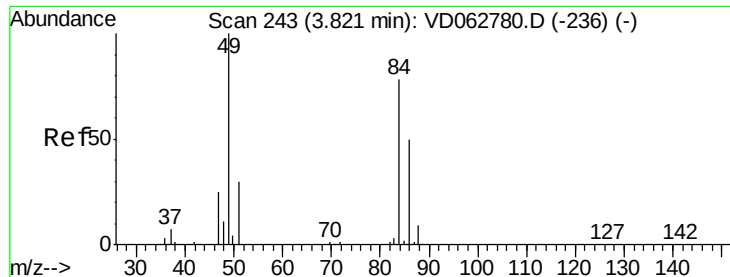
4000

2000

0

Time--> 3.55 3.60 3.65 3.70

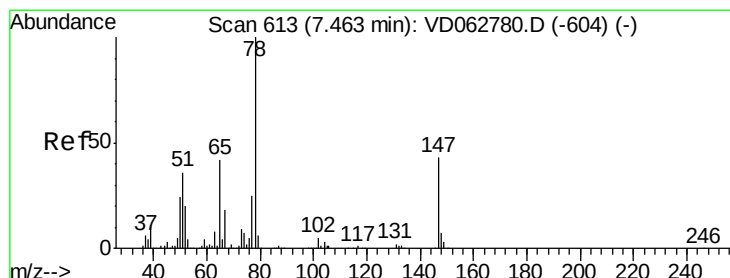
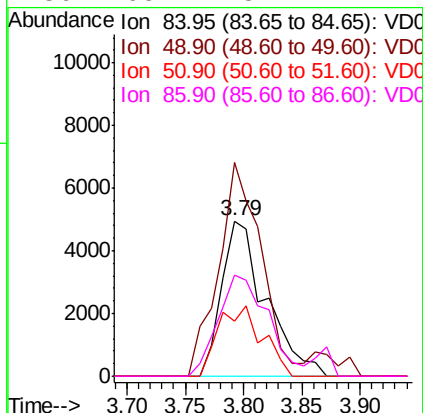
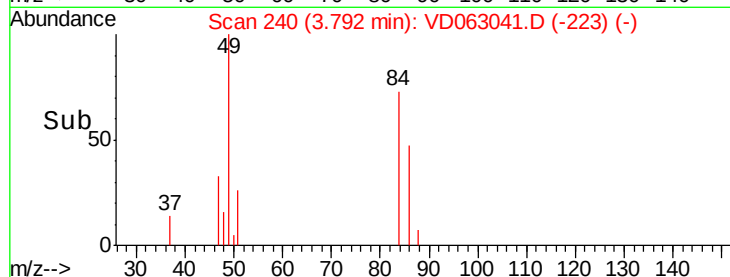
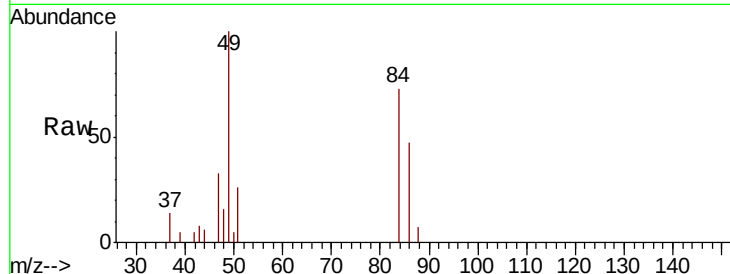




#20
Methylene Chloride
Concen: 2.068 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD063041.D
Acq: 8 Jul 2019 17:25

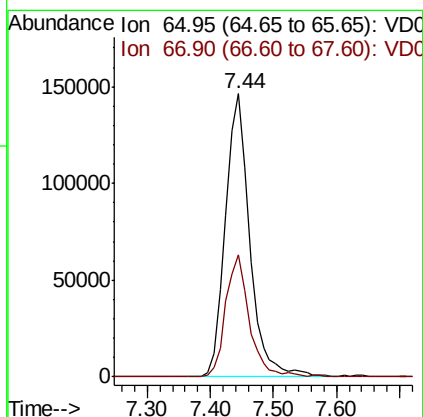
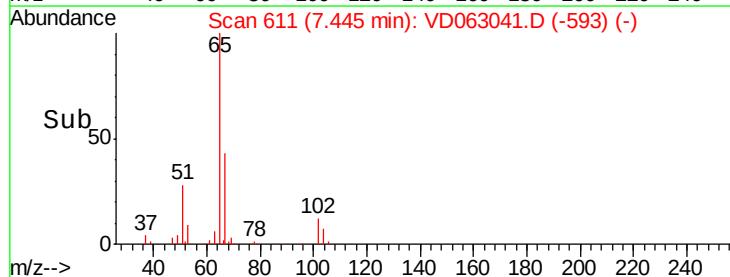
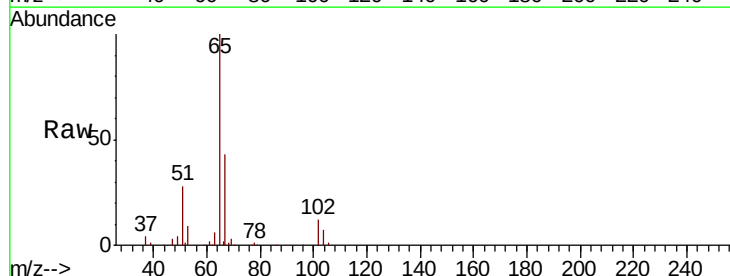
Instrument :
MSVOA_D
ClientSampleId :
RBR-200028

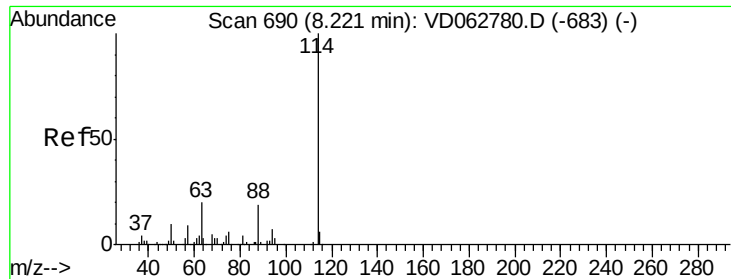
Tot Ion: 84 Resp: 12996
Ion Ratio Lower Upper
84 100
49 137.6 102.9 154.3
51 35.4 31.2 46.8
86 65.1 51.4 77.2



#33
1,2-Dichloroethane-d4
Concen: 47.556 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063041.D
Acq: 8 Jul 2019 17:25

Tgt Ion: 65 Resp: 391788
Ion Ratio Lower Upper
65 100
67 42.9 0.0 87.4

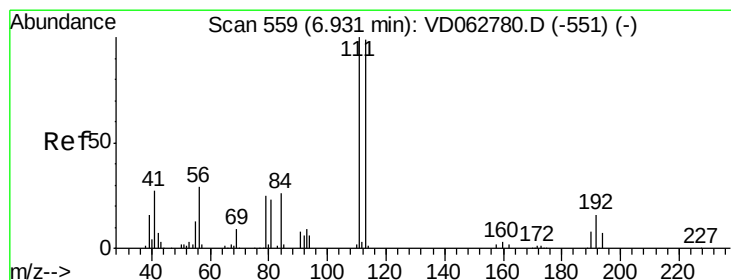
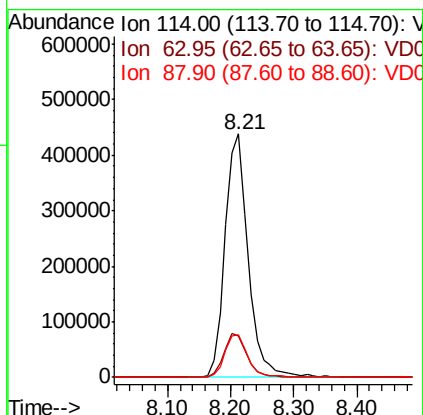
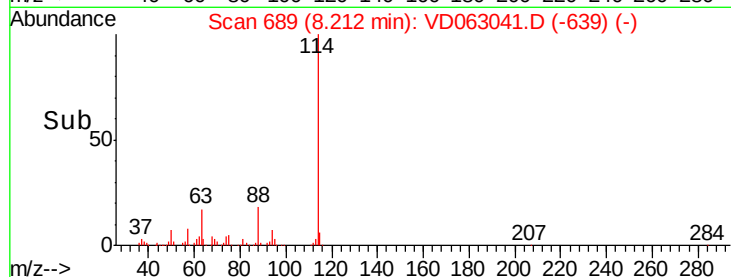
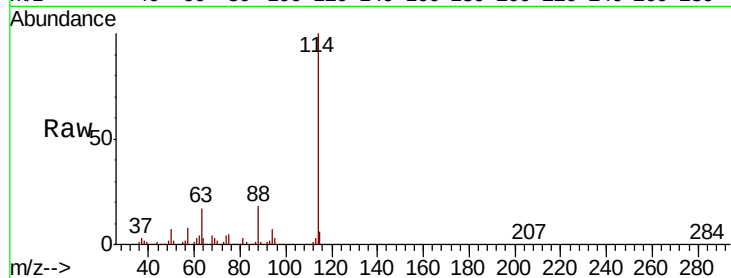




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD063041.D
 Acq: 8 Jul 2019 17:25

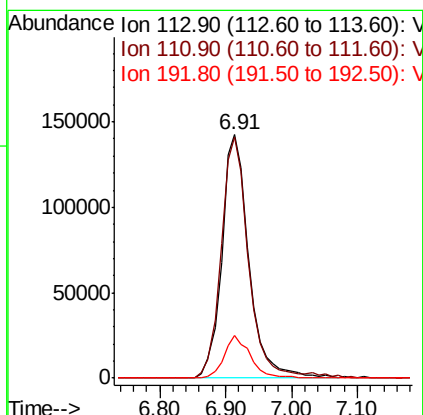
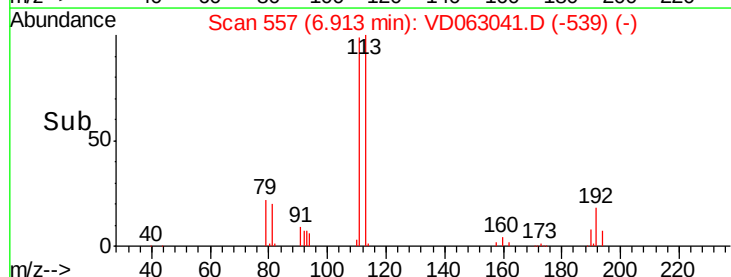
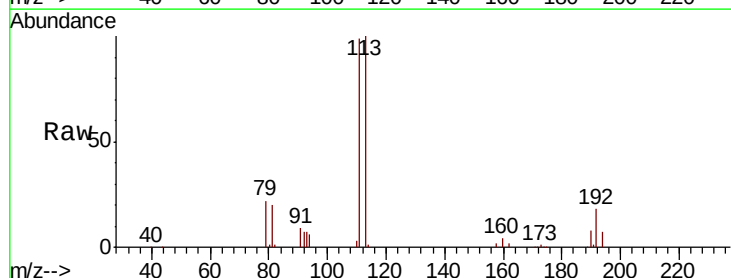
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200028

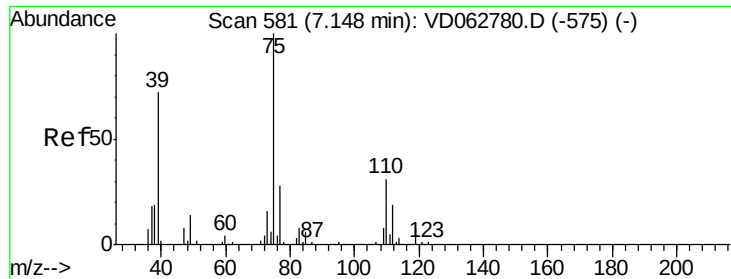
Tot Ion:114 Resp: 1110335
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 40.0
 88 17.5 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 43.667 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD063041.D
 Acq: 8 Jul 2019 17:25

Tgt Ion:113 Resp: 408821
 Ion Ratio Lower Upper
 113 100
 111 98.9 81.2 121.8
 192 17.6 12.9 19.3





#36

1,1-Dichloropropene

Concen: 5.542 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD063041.D

Acq: 8 Jul 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

RBR-200028

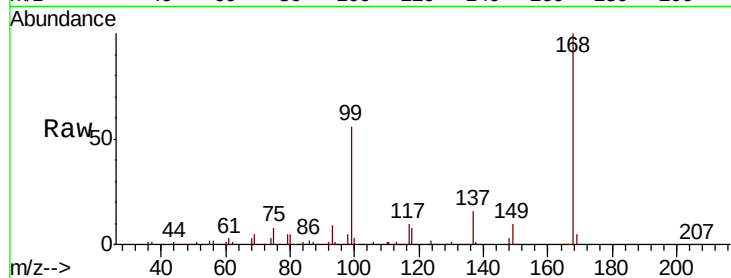
Tot Ion: 75 Resp: 58252

Ion Ratio Lower Upper

75 100

110 10.5 15.0 45.1#

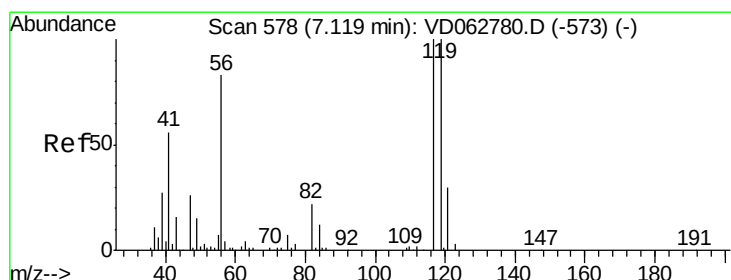
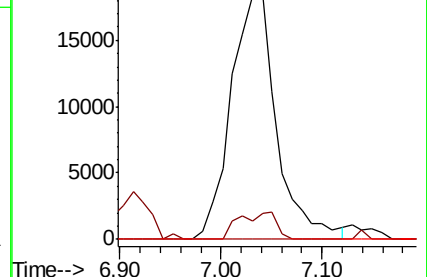
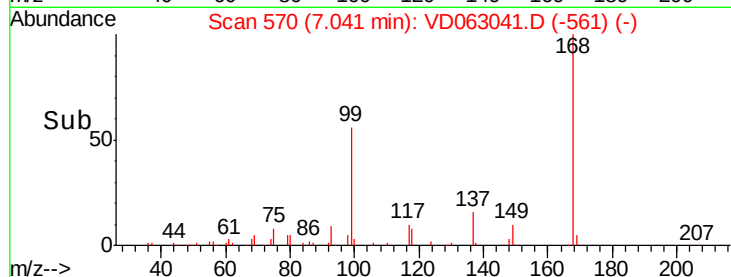
77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VD063041.D (-561) (-)

Ion 109.90 (109.60 to 110.60): VD063041.D (-561) (-)

Ion 76.95 (76.65 to 77.65): VD063041.D (-561) (-)



#38

Carbon Tetrachloride

Concen: 4.881 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD063041.D

Acq: 8 Jul 2019 17:25

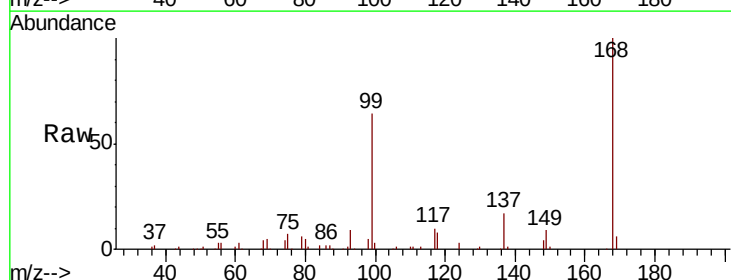
Tgt Ion: 117 Resp: 77163

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.2#

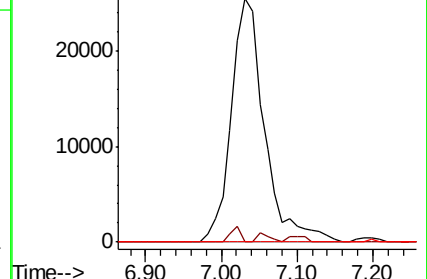
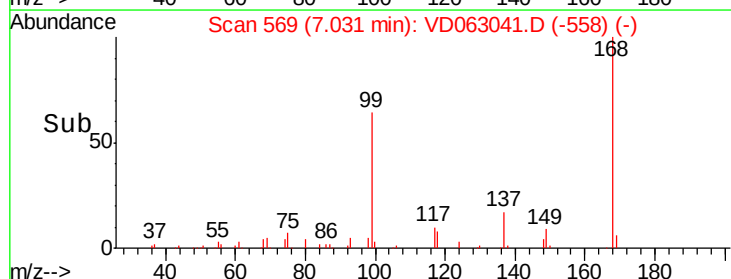
121 0.0 22.3 33.5#

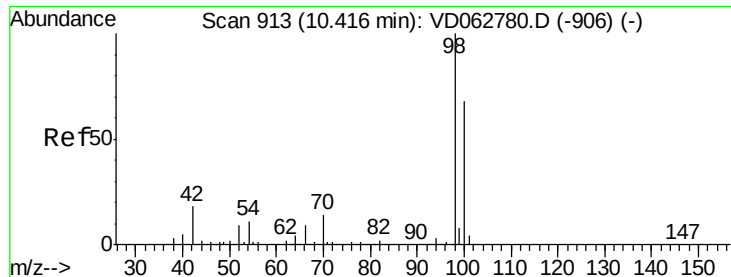


Abundance Ion 116.85 (116.55 to 117.55): VD063041.D (-558) (-)

Ion 118.85 (118.55 to 119.55): VD063041.D (-558) (-)

Ion 120.85 (120.55 to 121.55): VD063041.D (-558) (-)

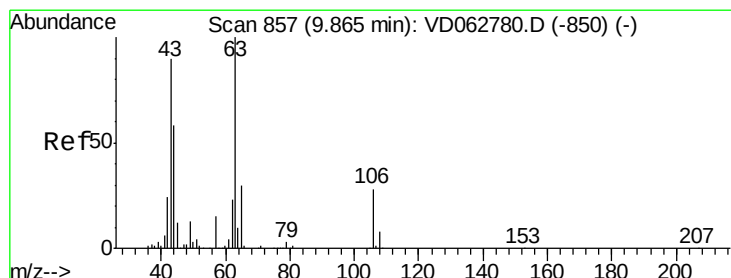
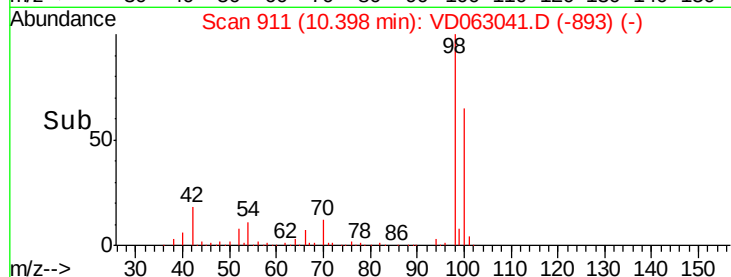
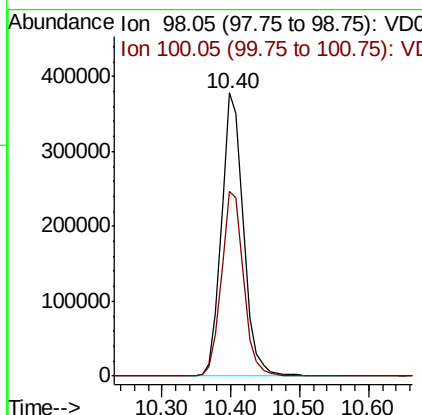
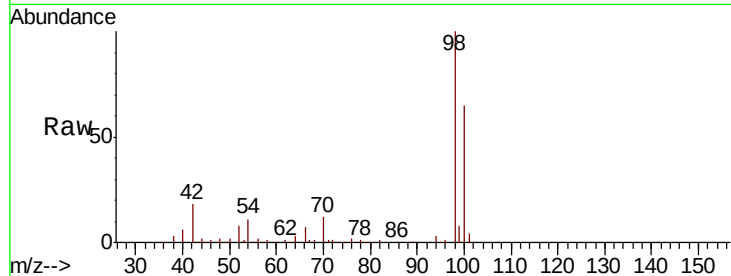




#50
Toluene-d8
Concen: 40.824 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD063041.D
Acq: 8 Jul 2019 17:25

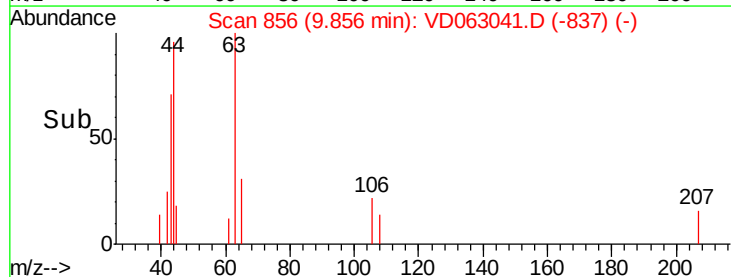
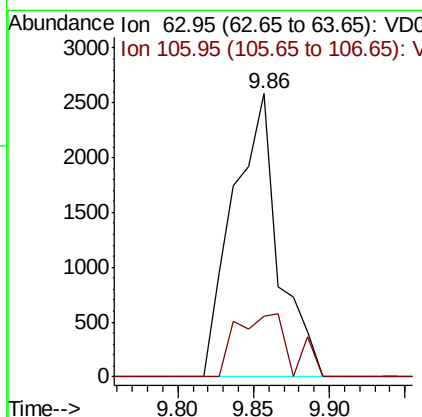
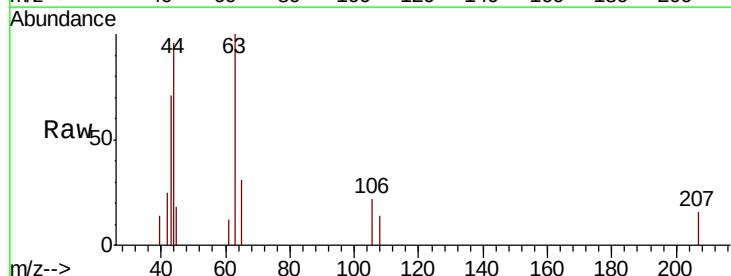
Instrument :
MSVOA_D
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RBR-200028

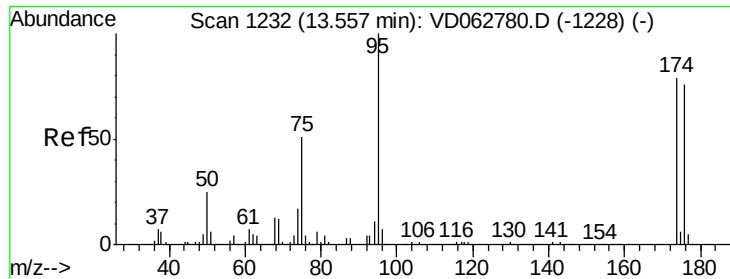
Tot Ion: 98 Resp: 831857
Ion Ratio Lower Upper
98 100
100 65.2 54.7 82.1



#58
2-Chloroethyl Vinyl ether
Concen: 2.025 ug/l
RT: 9.86 min Scan# 856
Delta R.T. -0.01 min
Lab File: VD063041.D
Acq: 8 Jul 2019 17:25

Tgt Ion: 63 Resp: 5413
Ion Ratio Lower Upper
63 100
106 21.5 22.1 33.1#





#62

4-Bromofluorobenzene

Concen: 36.816 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063041.D

Acq: 8 Jul 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

RBR-200028

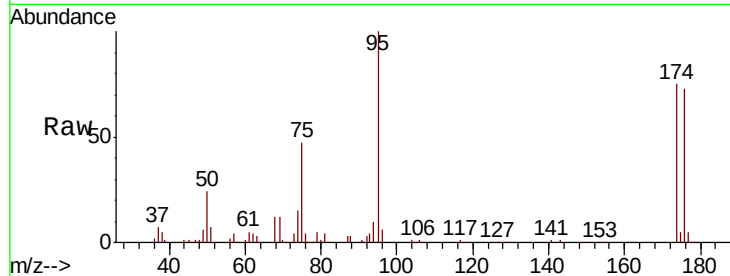
Tot Ion: 95 Resp: 341118

Ion Ratio Lower Upper

95 100

174 75.1 0.0 158.0

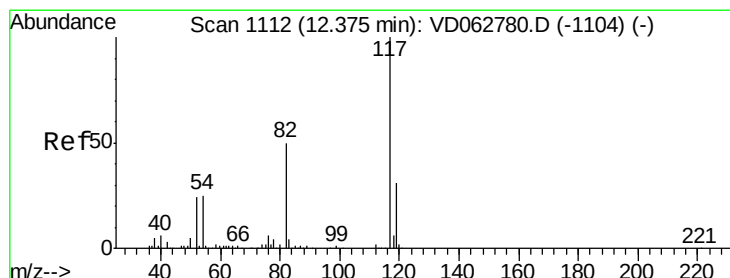
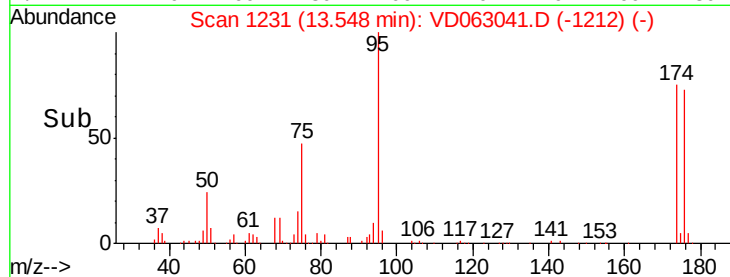
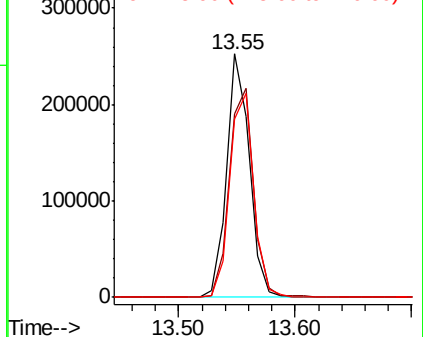
176 73.2 0.0 151.6



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: VD063041.D

Acq: 8 Jul 2019 17:25

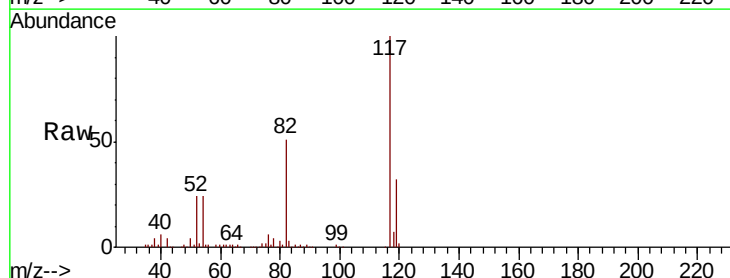
Tgt Ion: 117 Resp: 864744

Ion Ratio Lower Upper

117 100

82 51.0 40.4 60.6

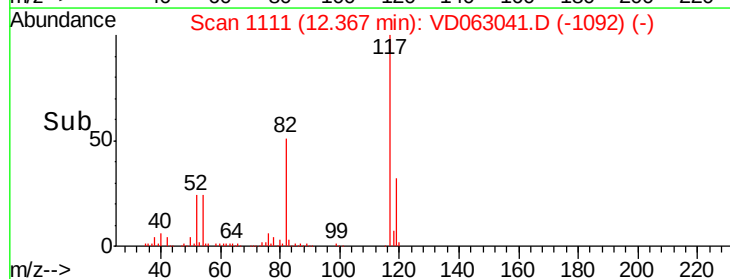
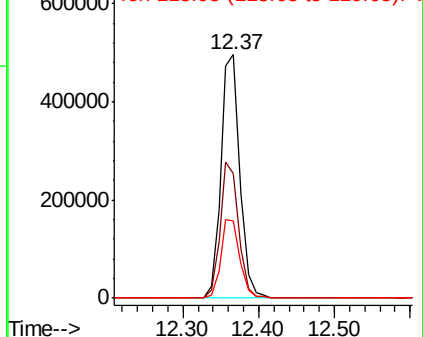
119 31.9 25.2 37.8

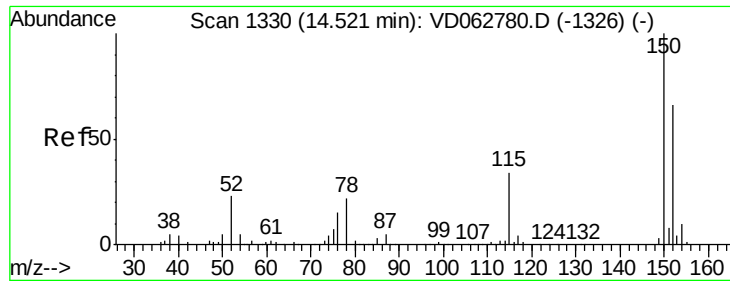


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



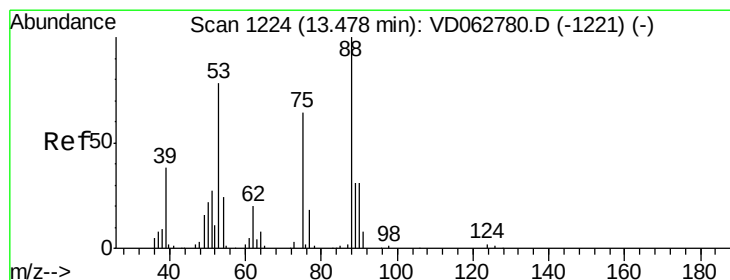
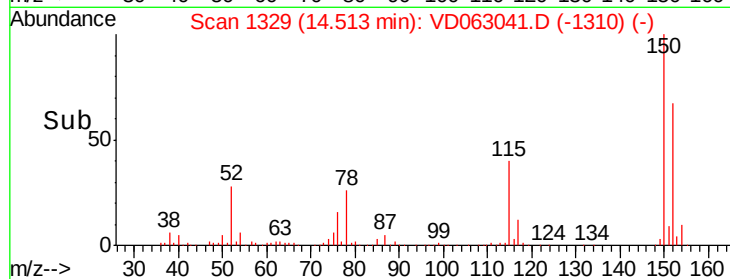
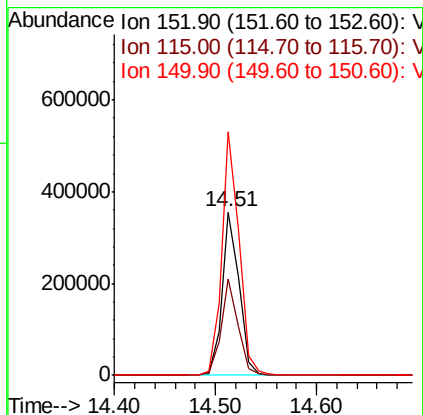
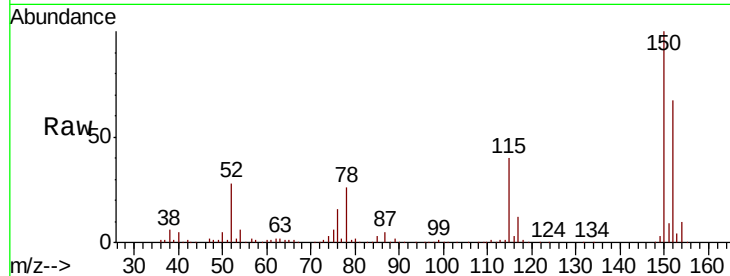


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063041.D
Acq: 8 Jul 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :
RBR-200028

Tot Ion:152 Resp: 418616
Ion Ratio Lower Upper
152 100
115 59.4 29.2 87.6
150 149.4 0.0 305.8



#81

trans-1,4-Dichloro-2-butene
Concen: 133.465 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD063041.D
Acq: 8 Jul 2019 17:25

Tgt Ion: 75 Resp: 169041
Ion Ratio Lower Upper
75 100
53 0.0 97.8 146.8#
89 0.0 39.4 59.2#

