

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063044.D
 Acq On : 8 Jul 2019 18:47
 Operator : VA/AP
 Sample : K3697-04
 Misc : 6.55a/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200035

Quant Time: Jul 09 05:12:19 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	7.04	168	839570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1105301	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	831556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	406482	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	400856	43.92	ug/l	-0.02
Spiked Amount			Recovery	=	87.84%	
35) Dibromofluoromethane	6.91	113	423544	45.45	ug/l	-0.02
Spiked Amount			Recovery	=	90.90%	
50) Toluene-d8	10.41	98	823298	40.59	ug/l	0.00
Spiked Amount			Recovery	=	81.18%	
62) 4-Bromofluorobenzene	13.56	95	358206	38.84	ug/l	0.00
Spiked Amount			Recovery	=	77.68%	

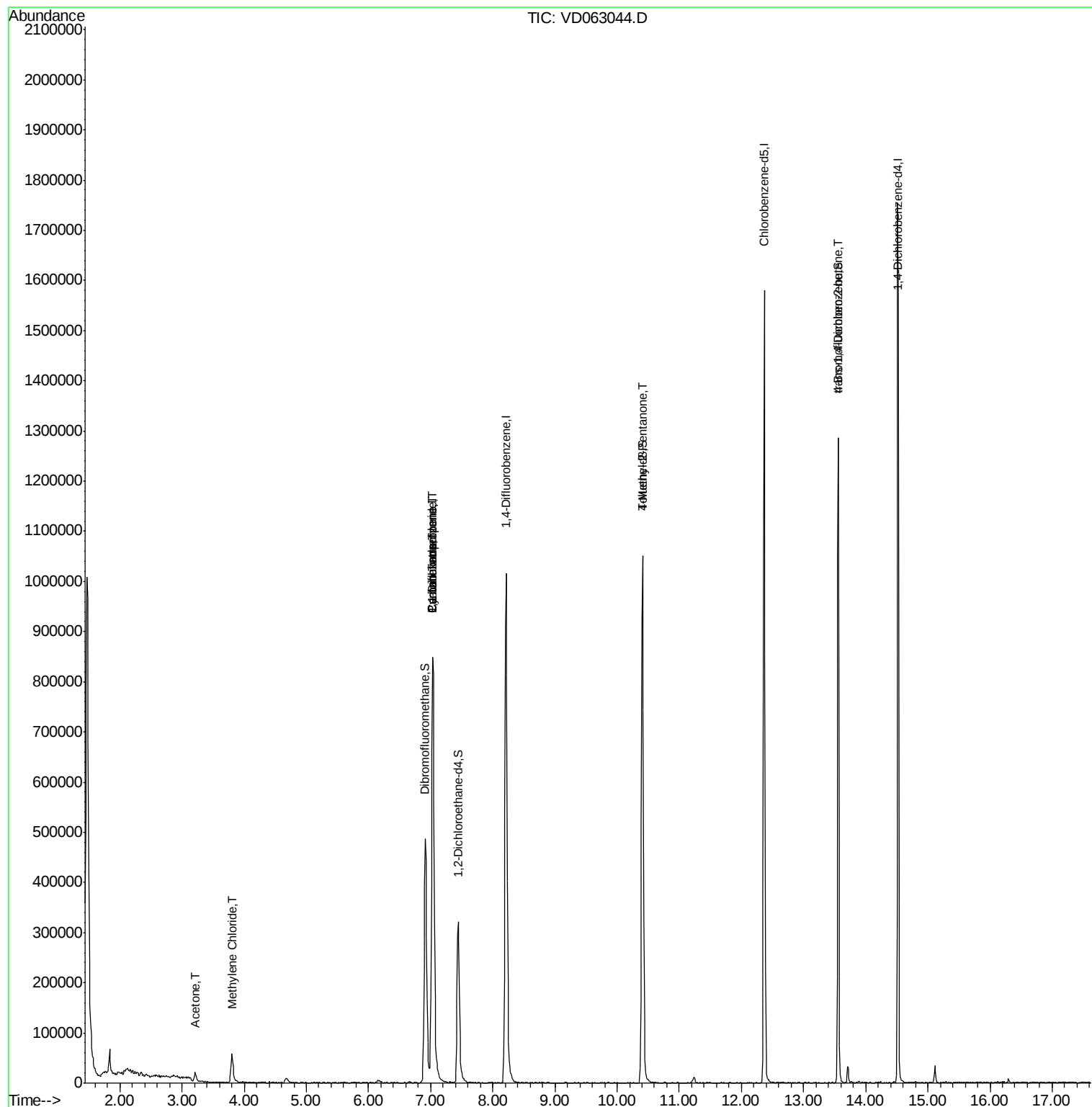
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	32360	10.792	ug/l	99
20) Methylene Chloride	3.80	84	35976	5.169	ug/l #	91
31) Cyclohexane	7.03	56	18276	2.133	ug/l #	17
36) 1,1-Dichloropropene	7.03	75	62897	6.011	ug/l #	54
37) Ethyl Acetate	6.14	43	201	Below Cal	#	69
38) Carbon Tetrachloride	7.04	117	83541	5.309	ug/l #	17
51) 4-Methyl-2-Pentanone	10.41	43	4981	1.281	ug/l #	3
81) trans-1,4-Dichloro-2-buten	13.56	75	175252	142.499	ug/l #	2

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

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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: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD063044.D

Acq: 8 Jul 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

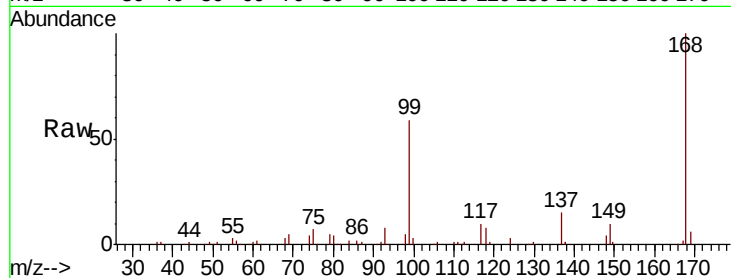
RBR-200035

Tot Ion:168 Resp: 839570

Ion Ratio Lower Upper

168 100

99 58.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

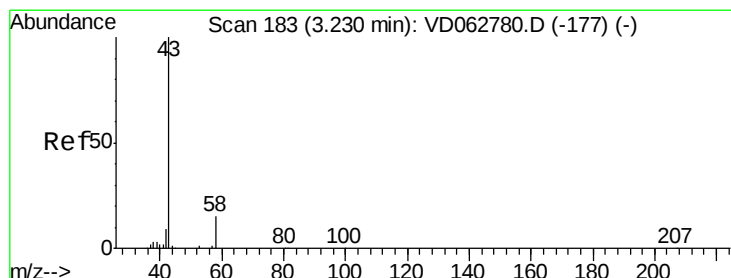
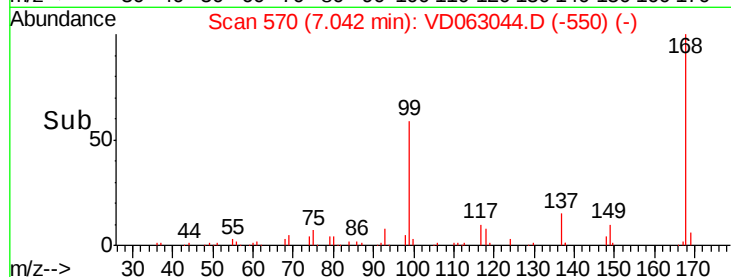
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50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 10.792 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063044.D

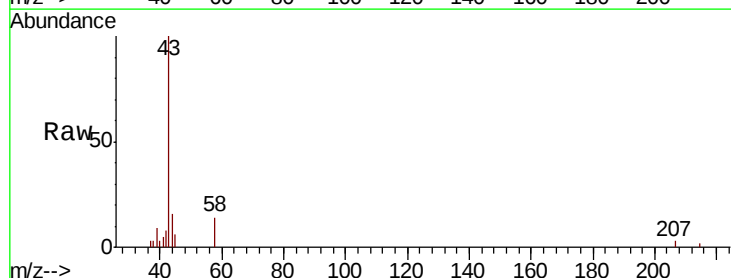
Acq: 8 Jul 2019 18:47

Tgt Ion: 43 Resp: 32360

Ion Ratio Lower Upper

43 100

58 14.3 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

15000

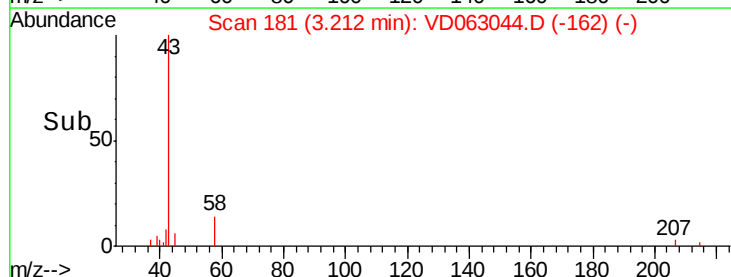
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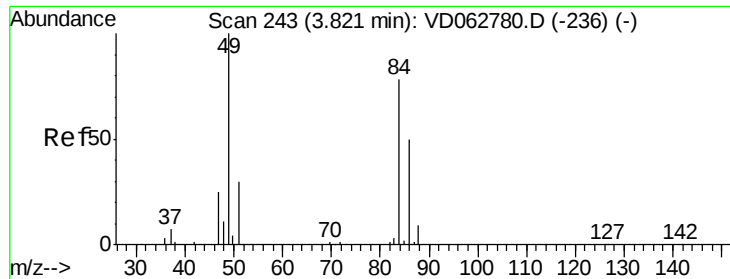
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Time-->

3.10 3.15 3.20 3.25 3.30

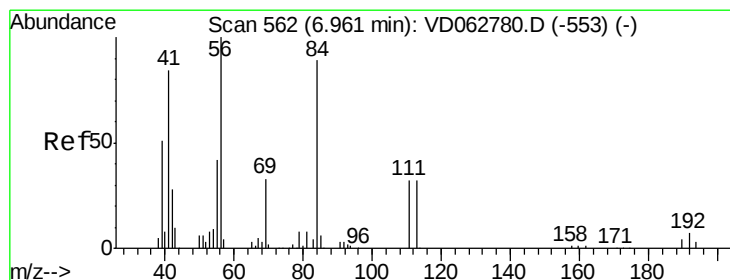
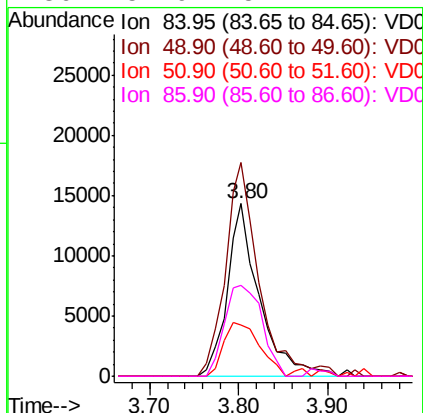
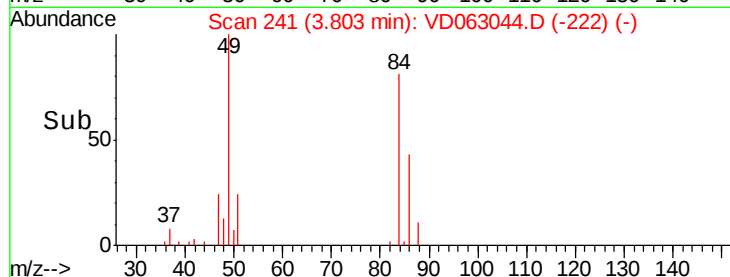
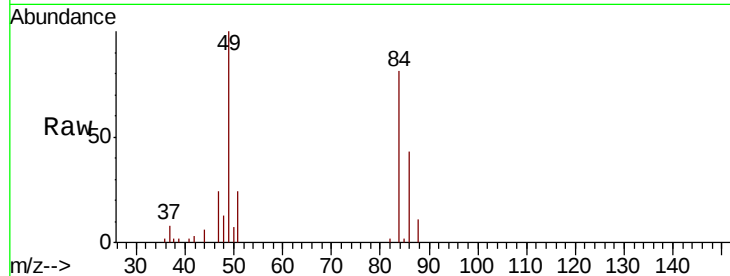




#20
Methvlene Chloride
Concen: 5.169 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063044.D
Acq: 8 Jul 2019 18:47

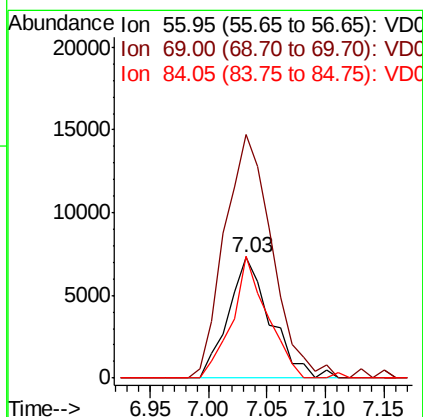
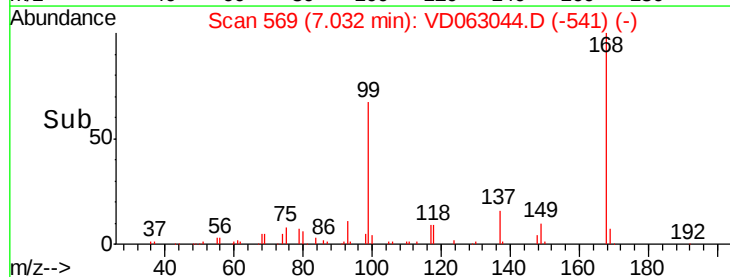
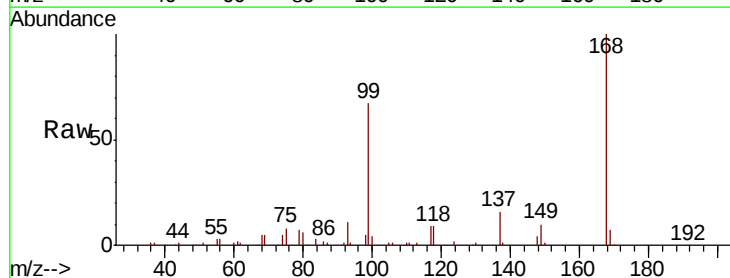
Instrument :
MSVOA_D
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RBR-200035

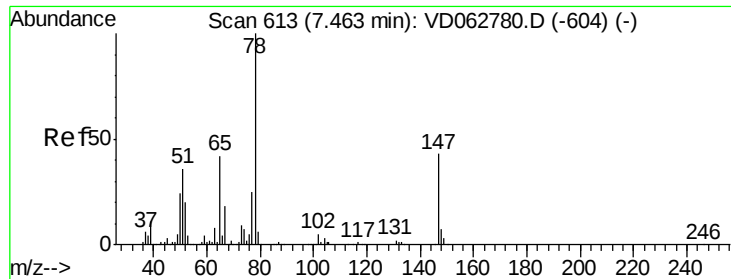
Tot Ion: 84 Resp: 35976
Ion Ratio Lower Upper
84 100
49 123.9 102.9 154.3
51 29.9 31.2 46.8#
86 52.9 51.4 77.2



#31
Cyclohexane
Concen: 2.133 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD063044.D
Acq: 8 Jul 2019 18:47

Tgt Ion: 56 Resp: 18276
Ion Ratio Lower Upper
56 100
69 202.1 26.6 39.8#
84 101.1 75.5 113.3





#33

1,2-Dichloroethane-d4

Concen: 43.925 ug/l

RT: 7.45 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063044.D

Acq: 8 Jul 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

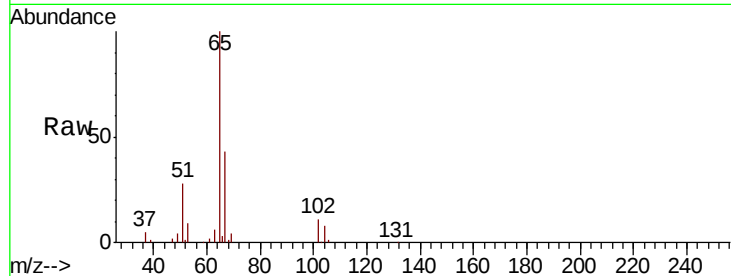
RBR-200035

Tot Ion: 65 Resp: 400856

Ion Ratio Lower Upper

65 100

67 42.8 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

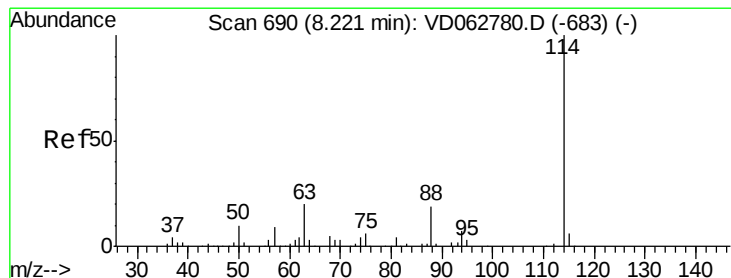
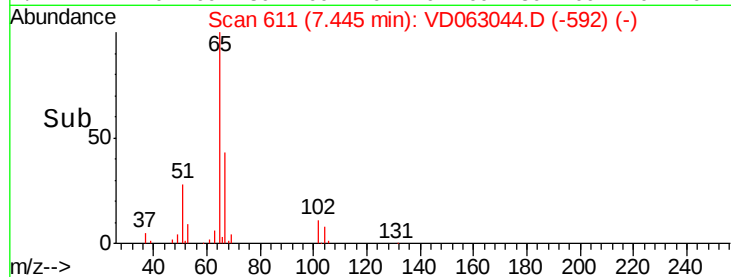
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD063044.D

Acq: 8 Jul 2019 18:47

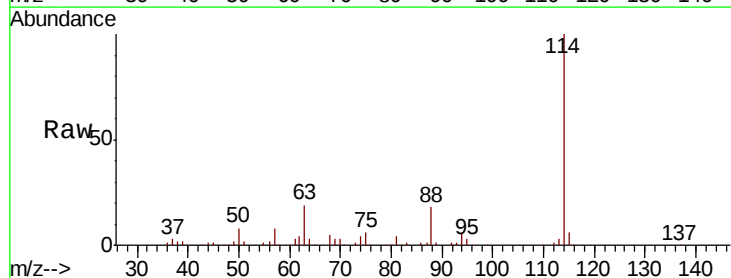
Tgt Ion: 114 Resp: 1105301

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 17.7 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

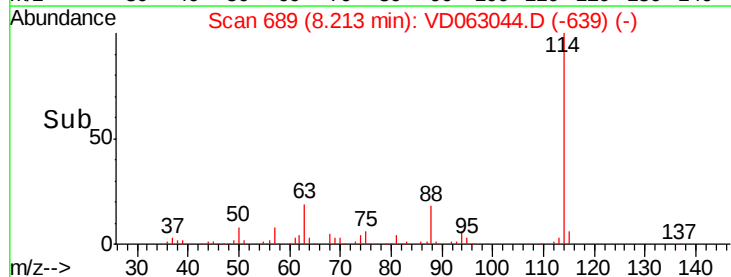
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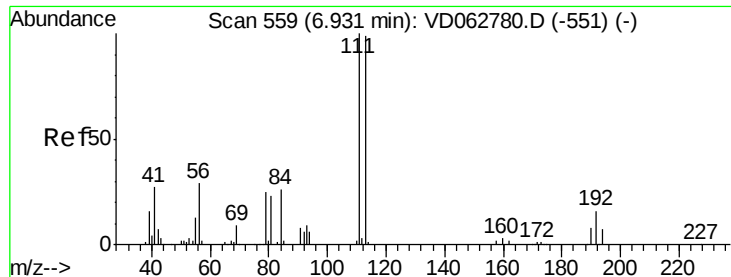
100000

0

8.00 8.20 8.40

Time-->

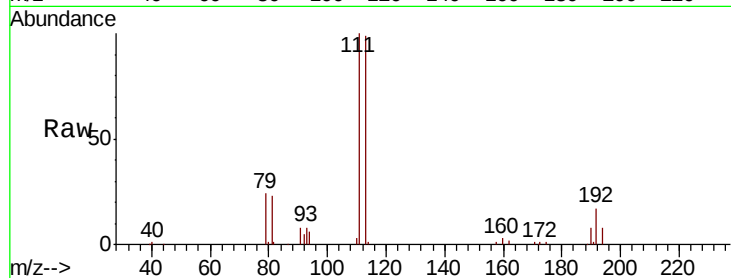




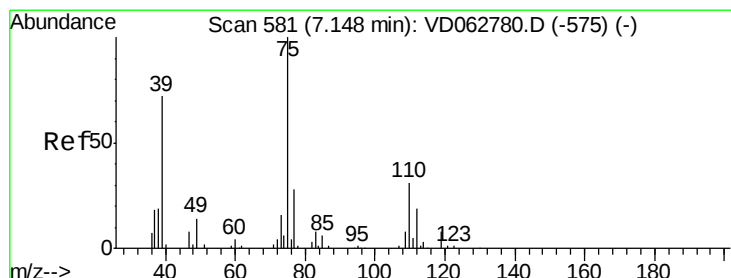
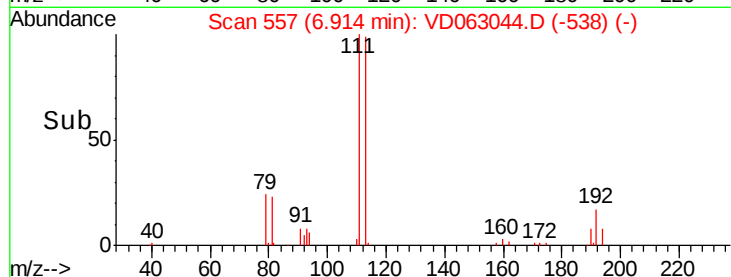
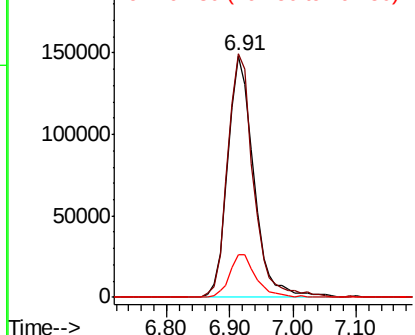
#35
Dibromofluoromethane
Concen: 45.445 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD063044.D
Acq: 8 Jul 2019 18:47

Instrument :
MSVOA_D
ClientSampleId :
RBR-200035

Tot Ion:113 Resp: 423544
Ion Ratio Lower Upper
113 100
111 101.0 81.2 121.8
192 17.4 12.9 19.3

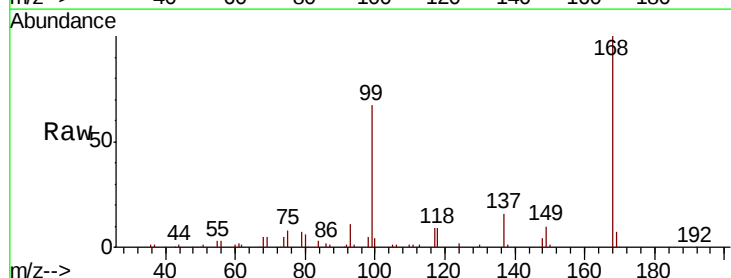


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

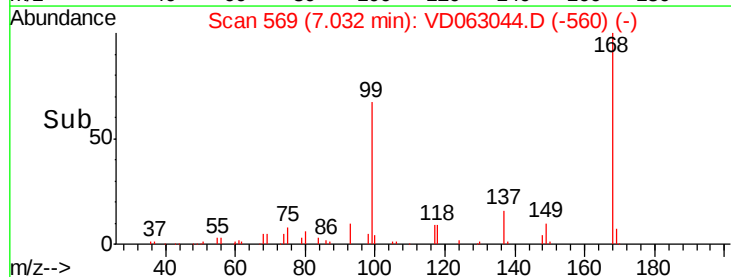
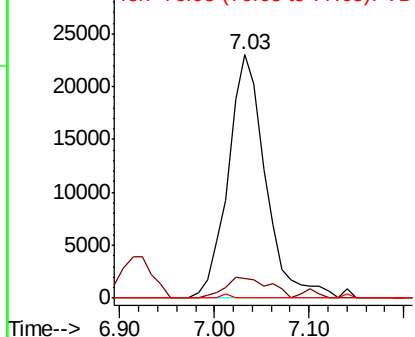


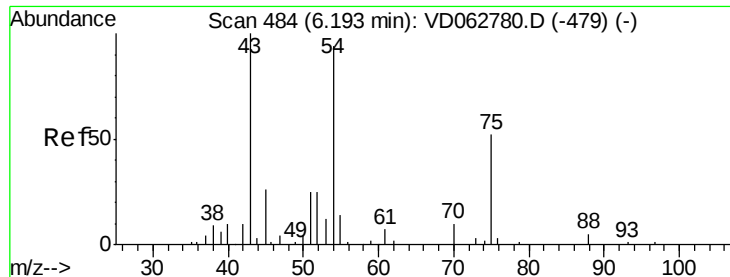
#36
1,1-Dichloropropene
Concen: 6.011 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.12 min
Lab File: VD063044.D
Acq: 8 Jul 2019 18:47

Tgt Ion: 75 Resp: 62897
Ion Ratio Lower Upper
75 100
110 8.1 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

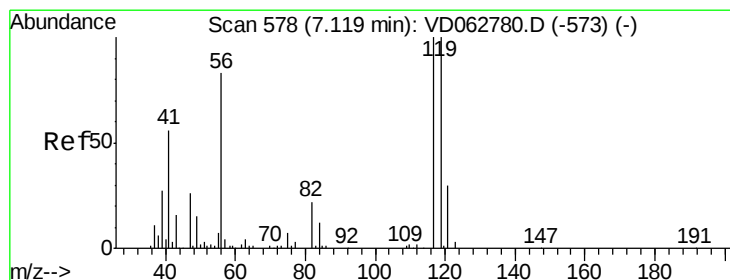
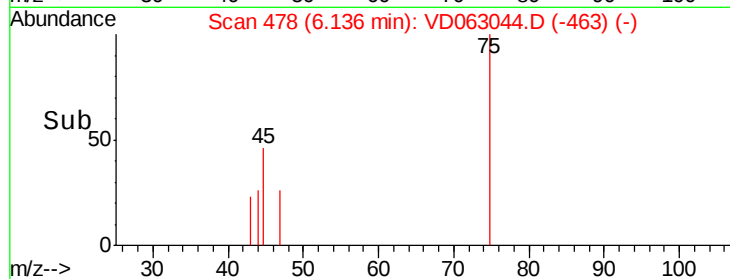
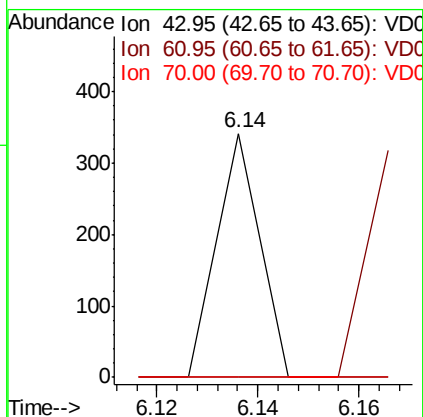
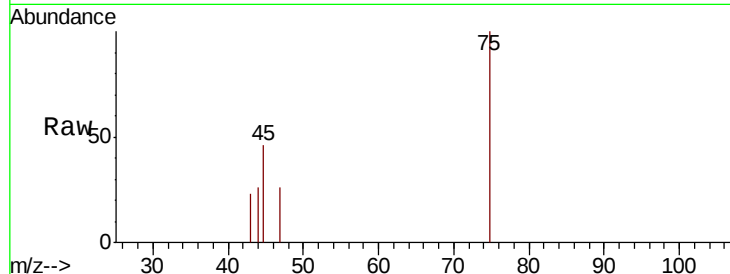




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.14 min Scan# 478
Delta R.T. -0.06 min
Lab File: VD063044.D
Acq: 8 Jul 2019 18:47

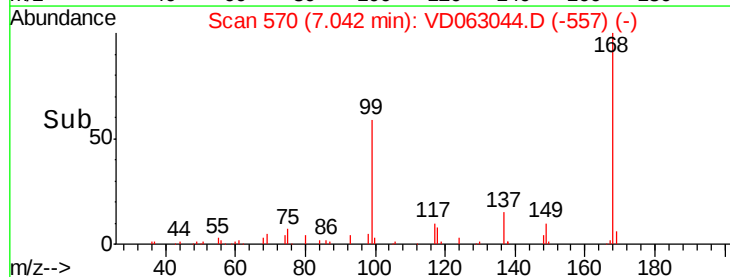
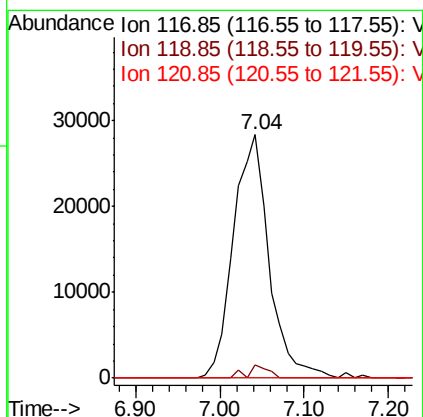
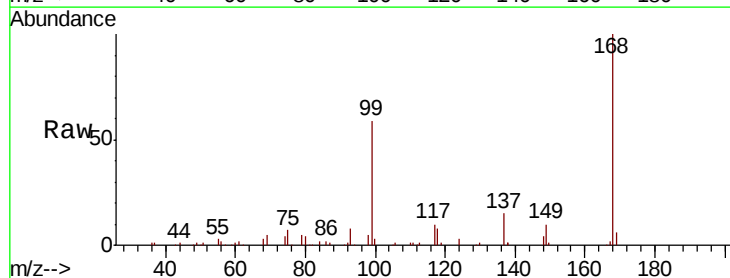
Instrument :
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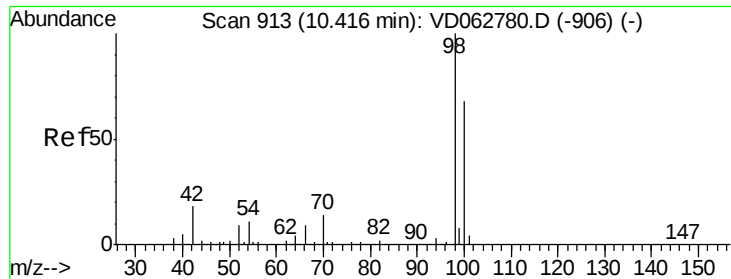
Tot Ion: 43 Resp: 201
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 5.309 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD063044.D
Acq: 8 Jul 2019 18:47

Tgt Ion: 117 Resp: 83541
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 22.3 33.5#

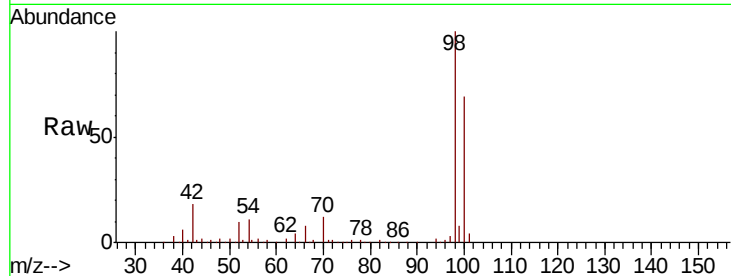




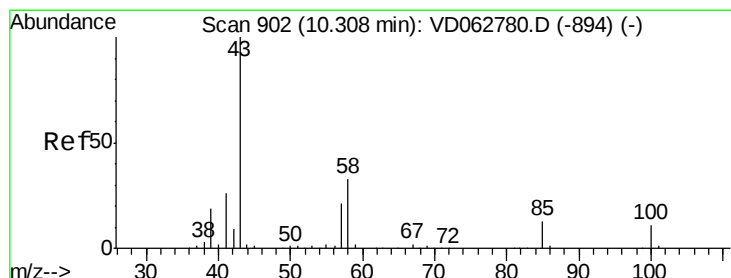
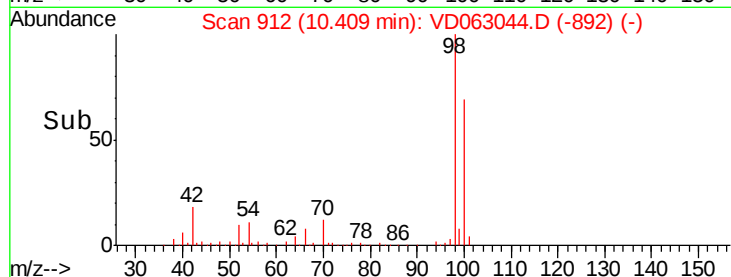
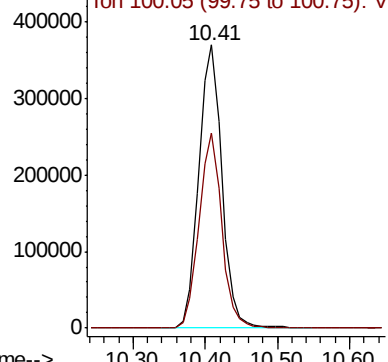
#50
Toluene-d8
Concen: 40.588 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063044.D
Acq: 8 Jul 2019 18:47

Instrument :
MSVOA_D
ClientSampleId :
RBR-200035

Tot Ion: 98 Resp: 823298
Ion Ratio Lower Upper
98 100
100 68.9 54.7 82.1

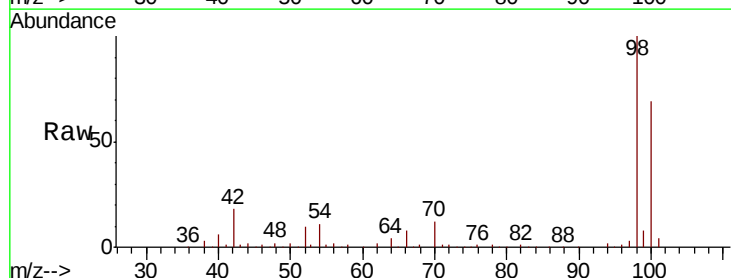


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

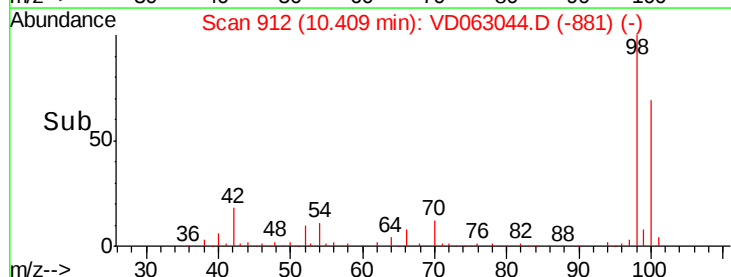
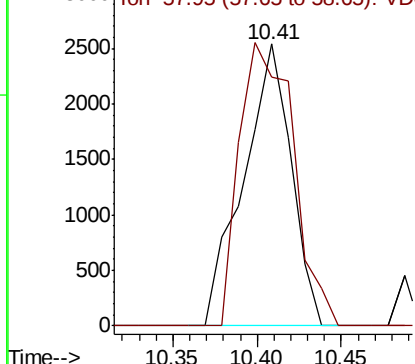


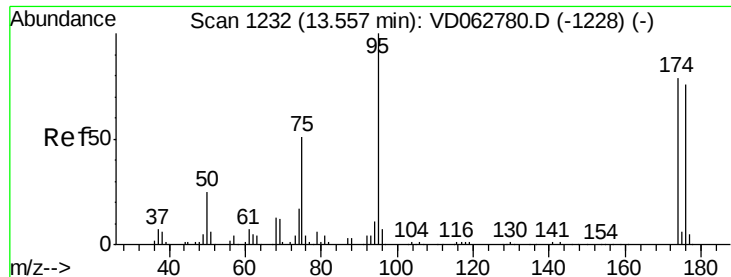
#51
4-Methyl-2-Pentanone
Concen: 1.281 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.10 min
Lab File: VD063044.D
Acq: 8 Jul 2019 18:47

Tgt Ion: 43 Resp: 4981
Ion Ratio Lower Upper
43 100
58 88.2 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 38.837 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063044.D

Acq: 8 Jul 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

RBR-200035

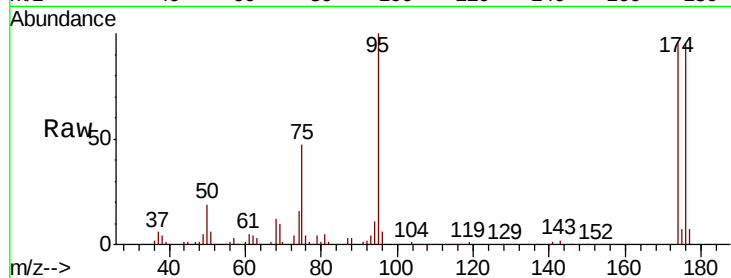
Tot Ion: 95 Resp: 358206

Ion Ratio Lower Upper

95 100

174 95.8 0.0 158.0

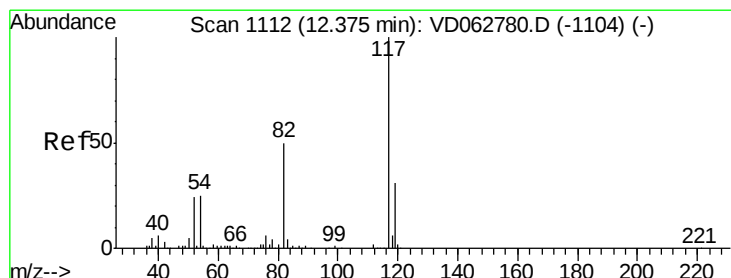
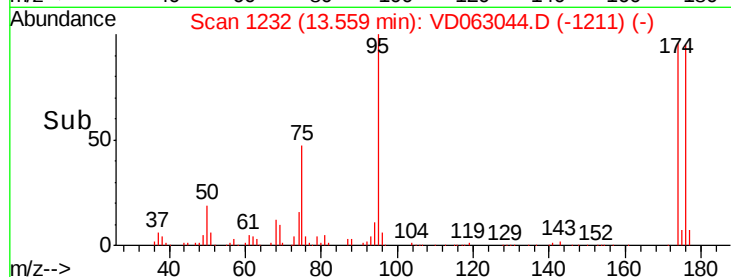
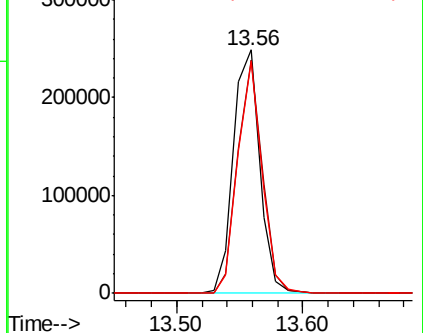
176 95.5 0.0 151.6



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: VD063044.D

Acq: 8 Jul 2019 18:47

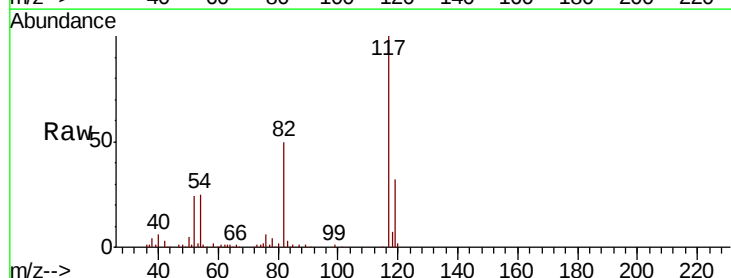
Tgt Ion: 117 Resp: 831556

Ion Ratio Lower Upper

117 100

82 49.6 40.4 60.6

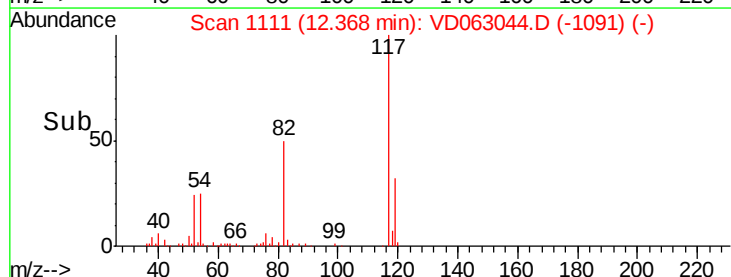
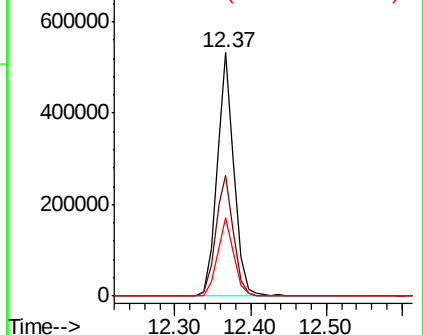
119 32.4 25.2 37.8

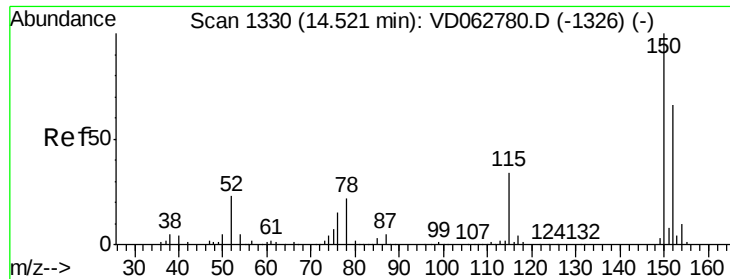


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063044.D

Acq: 8 Jul 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

RBR-200035

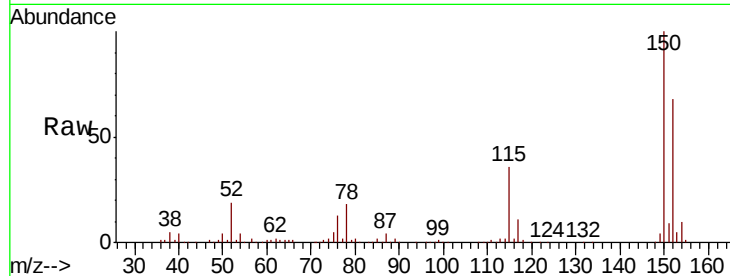
Tot Ion:152 Resp: 406482

Ion Ratio Lower Upper

152 100

115 53.5 29.2 87.6

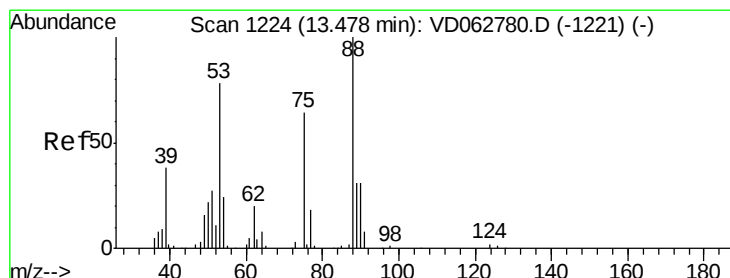
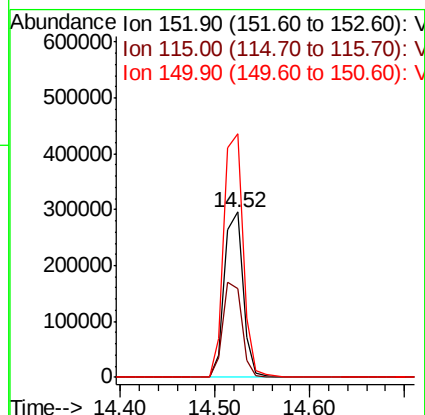
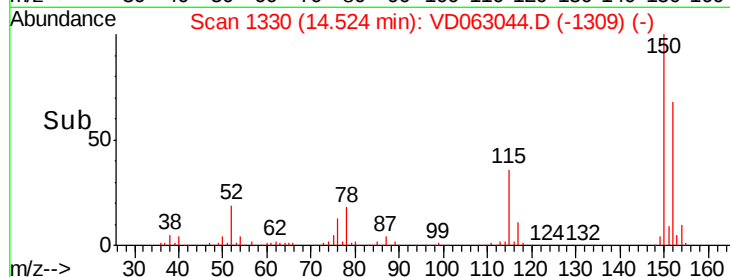
150 147.1 0.0 305.8



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: 142.499 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063044.D

Acq: 8 Jul 2019 18:47

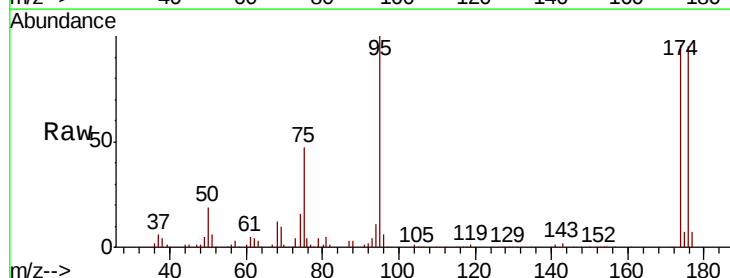
Tgt Ion: 75 Resp: 175252

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

