

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062624.D
 Acq On : 6 Jun 2019 13:37
 Operator : FY/SY
 Sample : K3218-04
 Misc : 4.91g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200027

Quant Time: Jun 07 03:24:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:42:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	783892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1023986	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	877247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	434412	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	323884	30.14	ug/l	0.00
Spiked Amount			Recovery	=	60.28%	
35) Dibromofluoromethane	6.93	113	332133	31.91	ug/l	0.00
Spiked Amount			Recovery	=	63.82%	
50) Toluene-d8	10.42	98	637450	28.43	ug/l	0.00
Spiked Amount			Recovery	=	56.86%	
62) 4-Bromofluorobenzene	13.56	95	280465	26.54	ug/l	0.00
Spiked Amount			Recovery	=	53.08%	

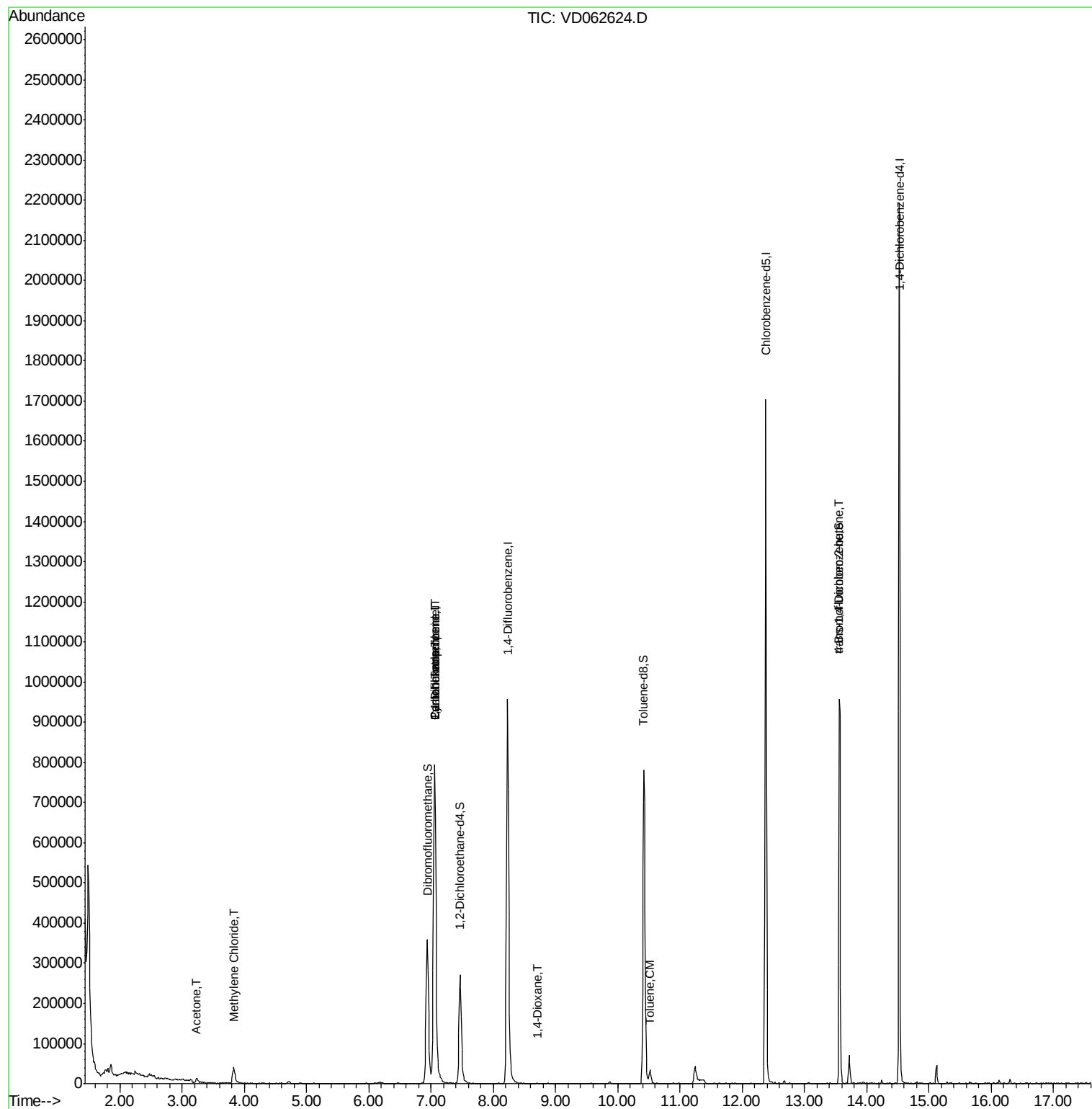
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	869	Below Cal	#	41
16) Acetone	3.23	43	26681	13.816	ug/l	96
20) Methylene Chloride	3.83	84	27544	3.665	ug/l #	74
31) Cyclohexane	7.05	56	19579	2.213	ug/l #	18
36) 1,1-Dichloropropene	7.05	75	63269	5.747	ug/l #	49
38) Carbon Tetrachloride	7.06	117	86220	5.218	ug/l #	15
49) 1,4-Dioxane	8.70	88	186	5.644	ug/l #	25
52) Toluene	10.53	92	14870	1.031	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.56	75	140887	96.722	ug/l #	1

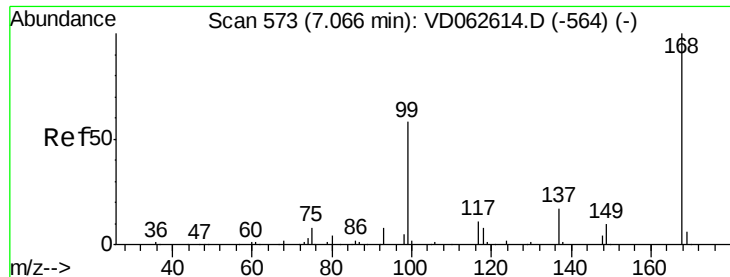
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060519\
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Quant Title : SW846 8260
QLast Update : Thu Jun 06 05:42:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

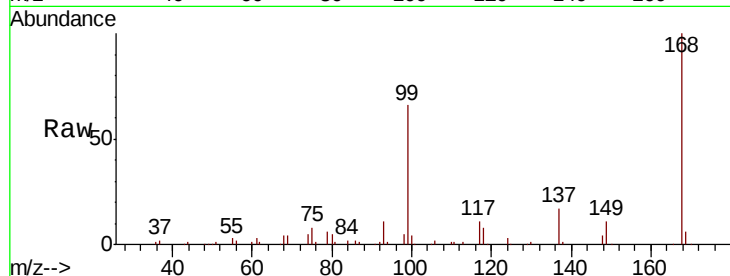
RBR-200027

Tot Ion:168 Resp: 783892

Ion Ratio Lower Upper

168 100

99 66.5 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

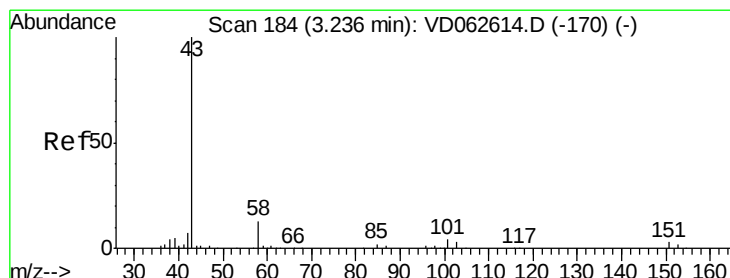
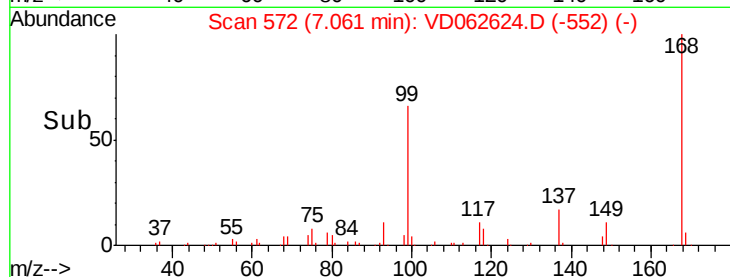
100000

50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#16

Acetone

Concen: 13.816 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062624.D

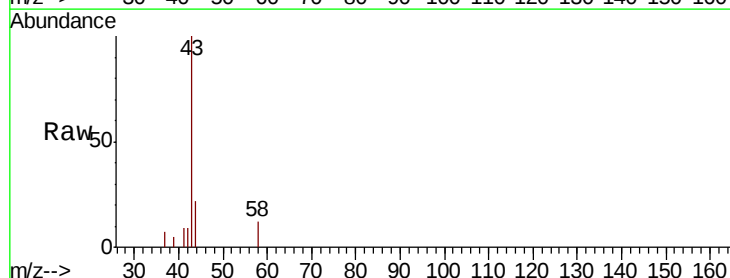
Acq: 6 Jun 2019 13:37

Tgt Ion: 43 Resp: 26681

Ion Ratio Lower Upper

43 100

58 11.9 10.7 16.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

8000

6000

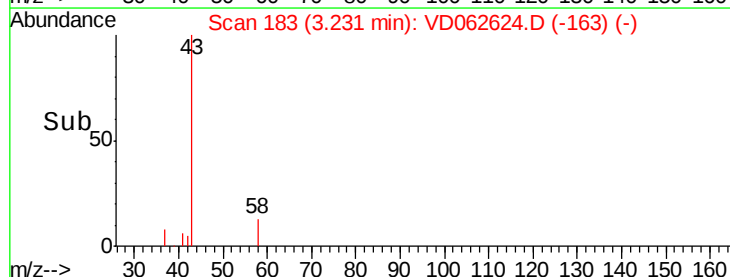
4000

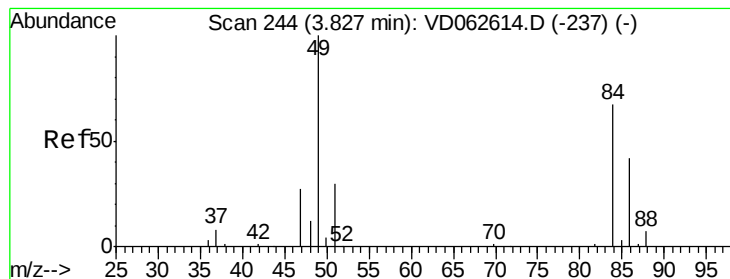
2000

0

Time-->

3.10 3.20 3.30 3.40





#20

Methvlene Chloride

Concen: 3.665 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

RBR-200027

Tot Ion: 84 Resp: 27544

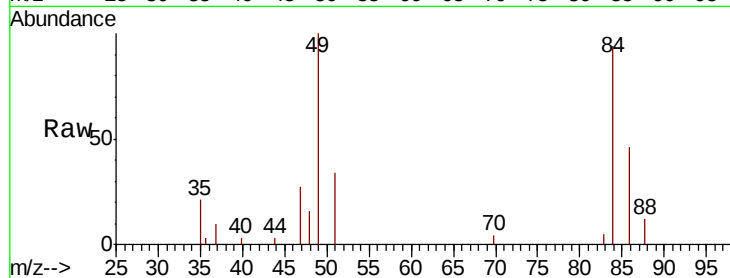
Ion Ratio Lower Upper

84 100

49 106.8 119.0 178.6#

51 35.9 35.4 53.2

86 49.4 50.0 75.0#

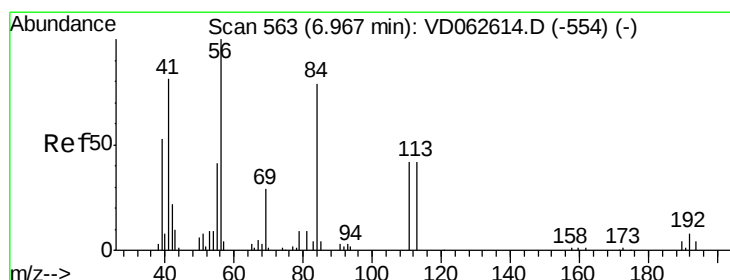
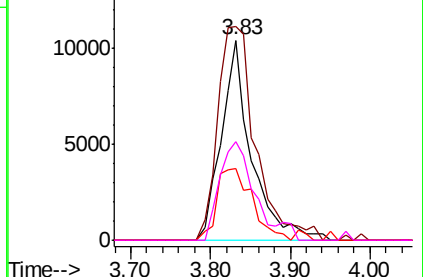
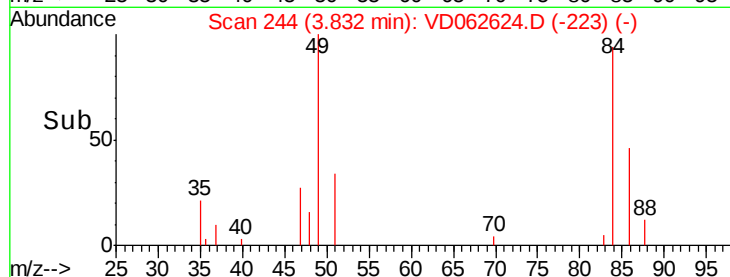


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.213 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

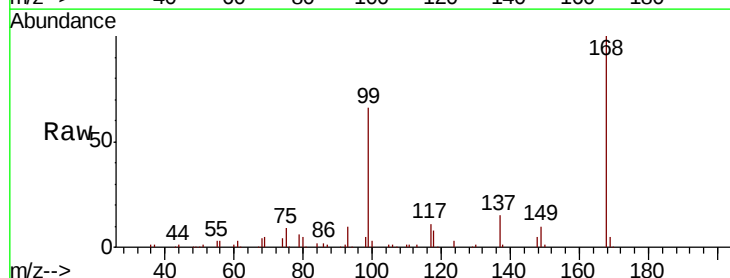
Tgt Ion: 56 Resp: 19579

Ion Ratio Lower Upper

56 100

69 176.1 23.0 34.4#

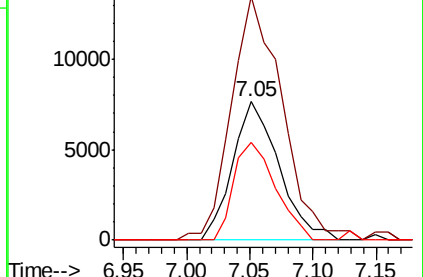
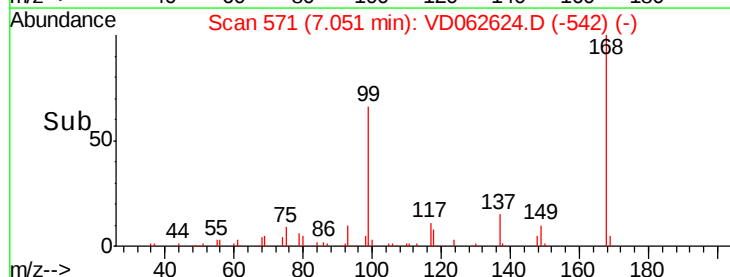
84 70.4 66.0 99.0

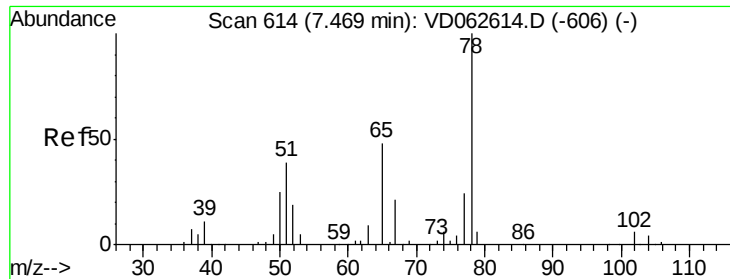


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 30.141 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

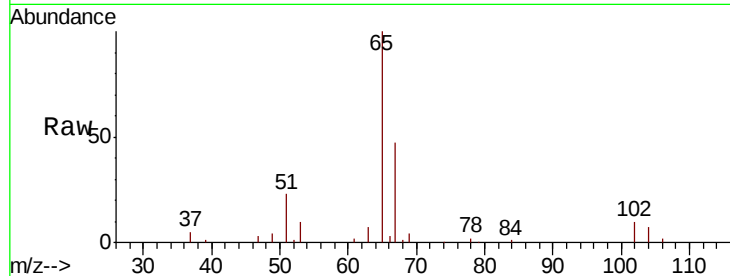
RBR-200027

Tot Ion: 65 Resp: 323884

Ion Ratio Lower Upper

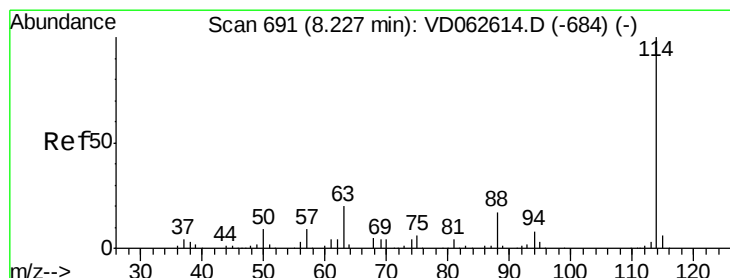
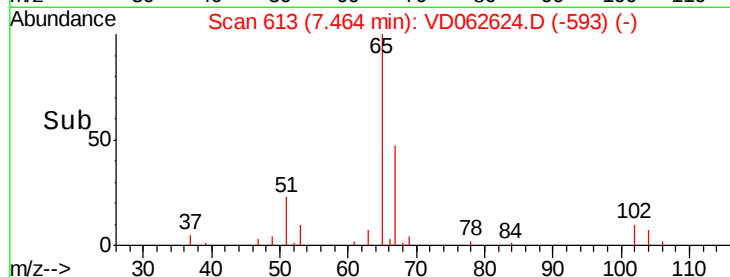
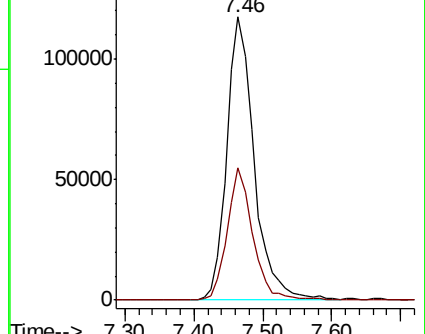
65 100

67 46.8 0.0 86.2



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: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

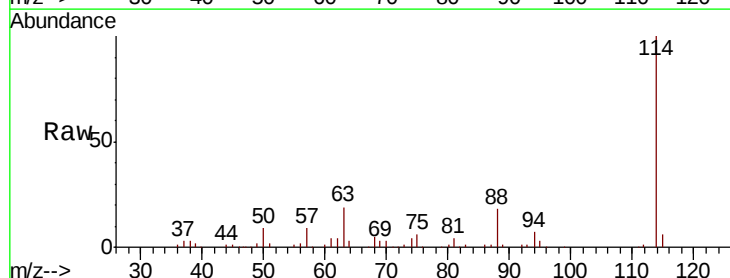
Tgt Ion: 114 Resp: 1023986

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

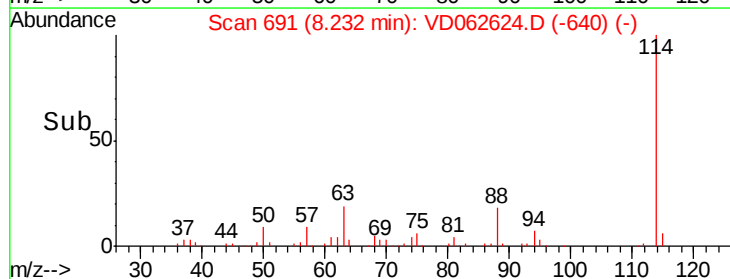
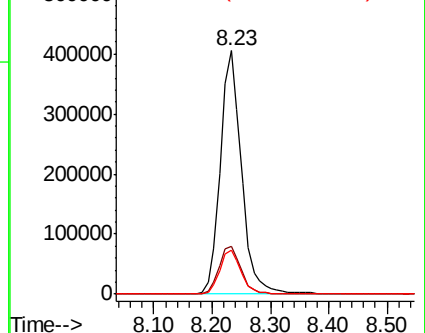
88 17.9 0.0 34.2

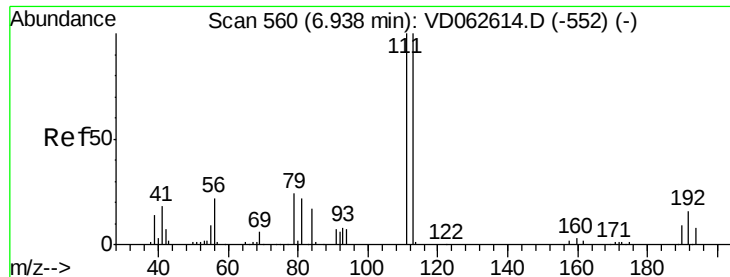


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

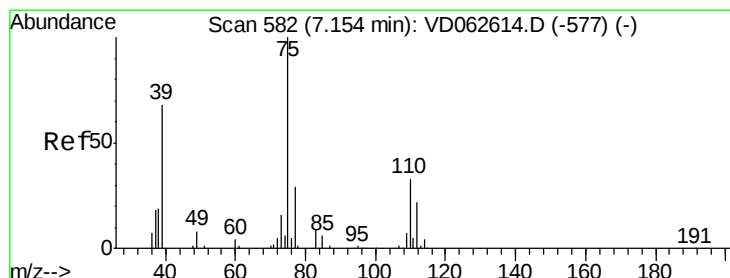
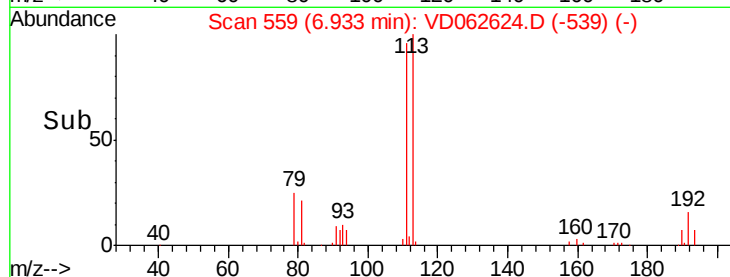
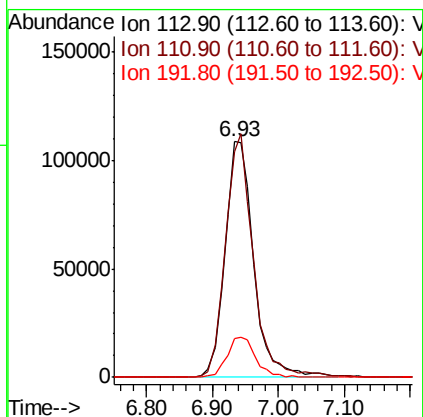
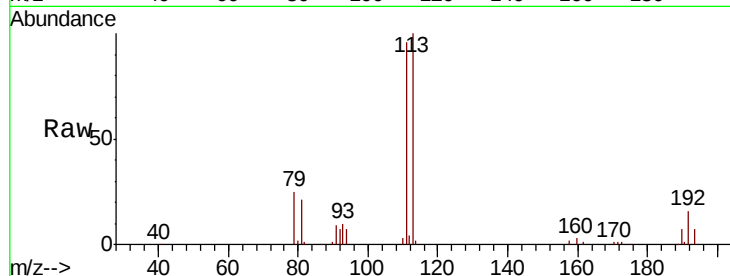




#35
Dibromofluoromethane
Concen: 31.913 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD062624.D
Acq: 6 Jun 2019 13:37

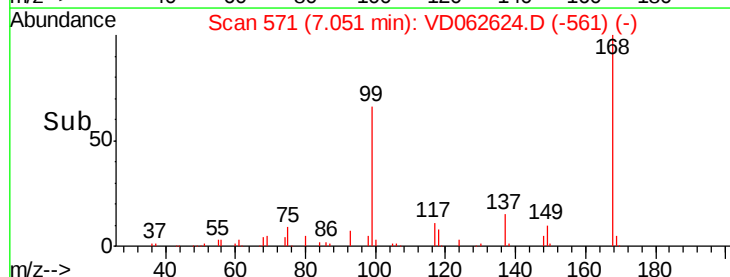
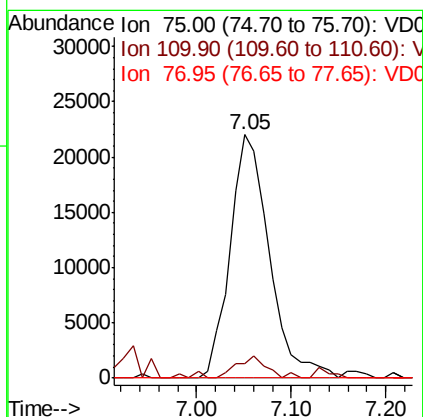
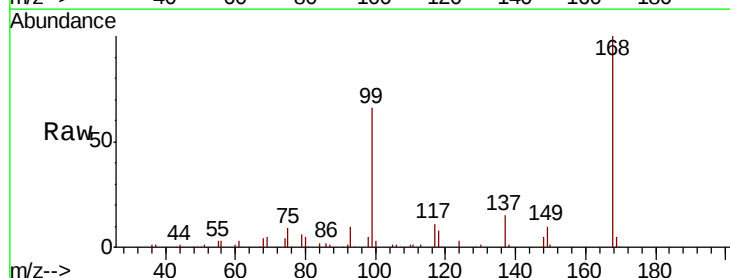
Instrument :
MSVOA_D
ClientSampleId :
RBR-200027

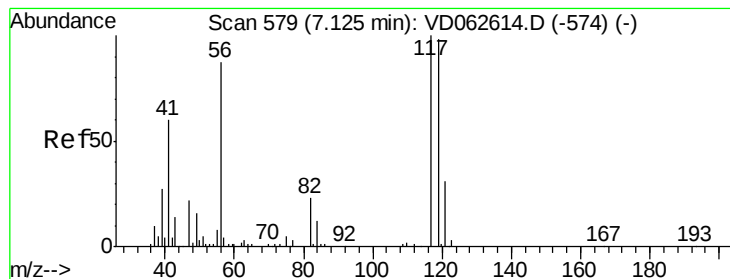
Tot Ion:113 Resp: 332133
Ion Ratio Lower Upper
113 100
111 96.0 80.1 120.1
192 16.3 13.0 19.6



#36
1,1-Dichloropropene
Concen: 5.747 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.10 min
Lab File: VD062624.D
Acq: 6 Jun 2019 13:37

Tgt Ion: 75 Resp: 63269
Ion Ratio Lower Upper
75 100
110 6.2 16.5 49.5#
77 0.0 23.3 34.9#





#38

Carbon Tetrachloride

Concen: 5.218 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

RBR-200027

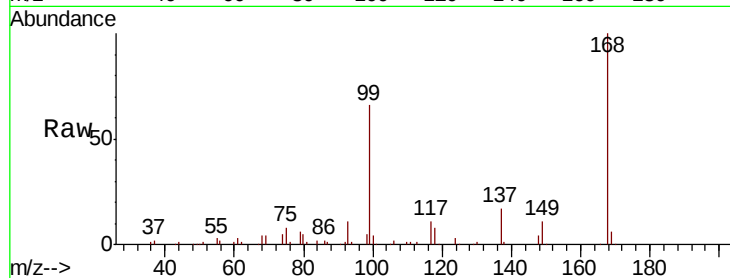
Tot Ion:117 Resp: 86220

Ion Ratio Lower Upper

117 100

119 2.0 74.1 111.1#

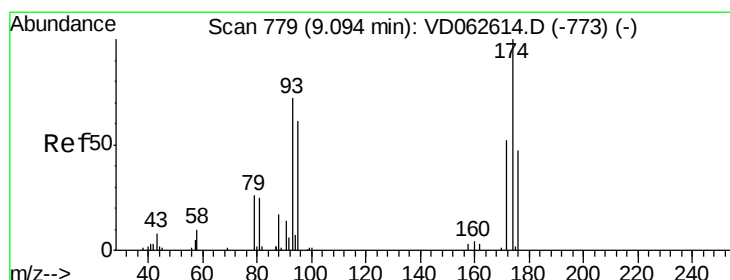
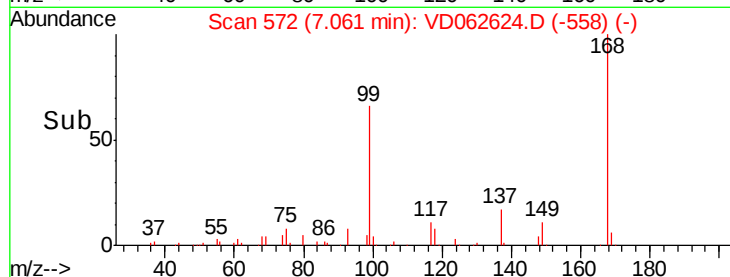
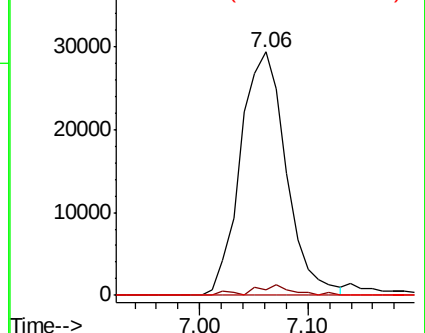
121 0.0 23.5 35.3#



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: 5.644 ug/l

RT: 8.70 min Scan# 739

Delta R.T. -0.39 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

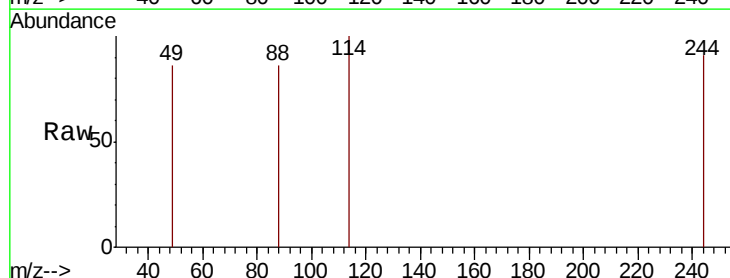
Tgt Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 0.0 39.3 58.9#

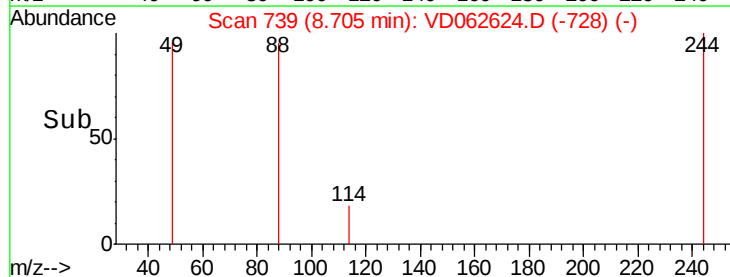
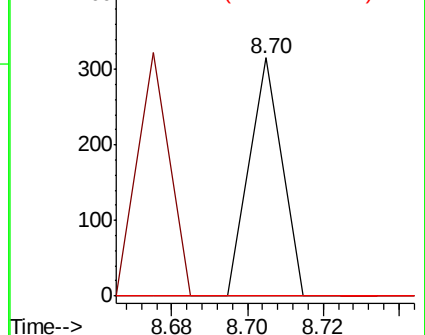
58 0.0 45.3 67.9#

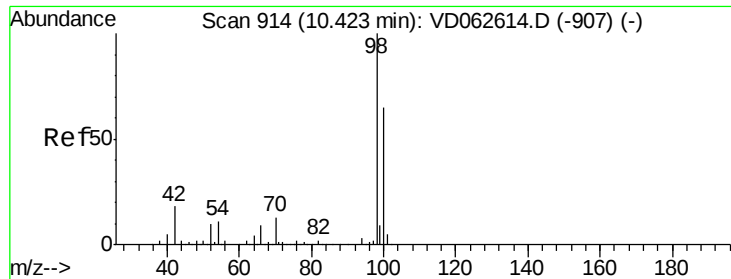


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

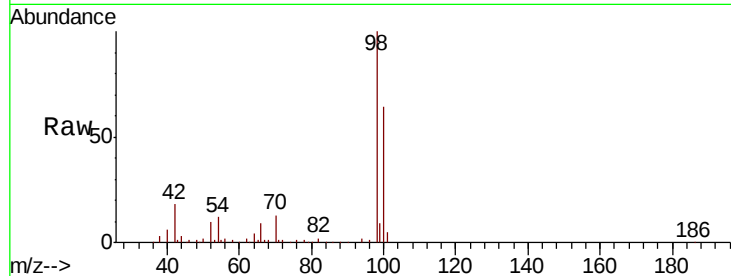




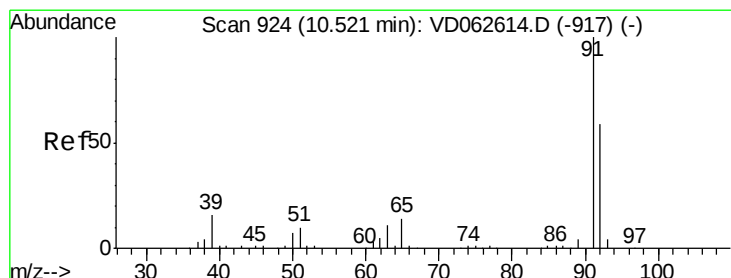
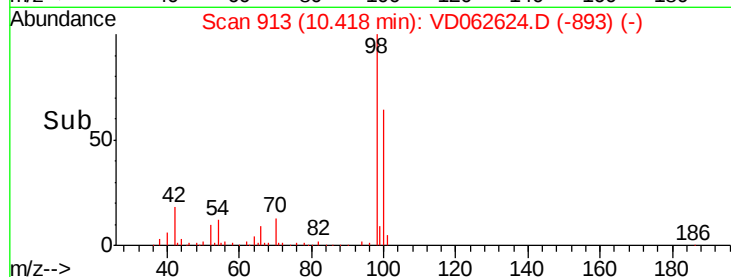
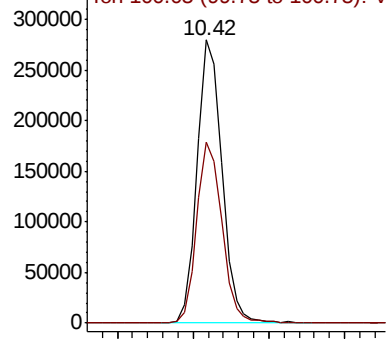
#50
Toluene-d8
Concen: 28.432 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062624.D
Acq: 6 Jun 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
RBR-200027

Tot Ion: 98 Resp: 637450
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2

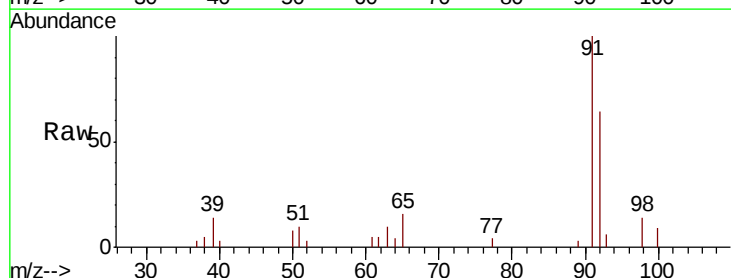


Abundance Ion 98.05 (97.75 to 98.75): VD062614.D (-907) (-)
Ion 100.05 (99.75 to 100.75): VD062614.D (-907) (-)

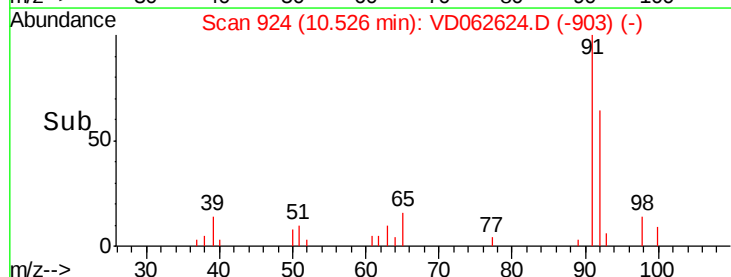
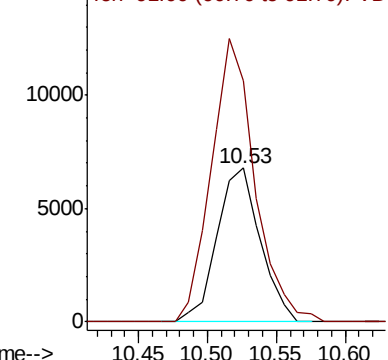


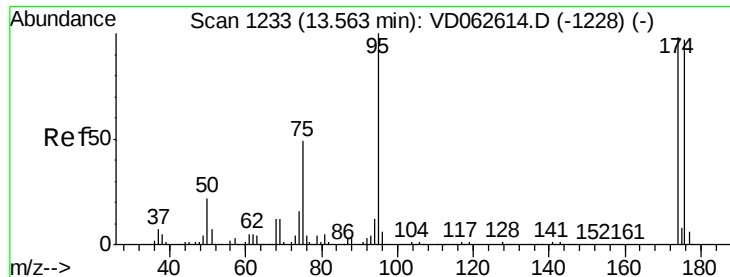
#52
Toluene
Concen: 1.031 ug/l
RT: 10.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: VD062624.D
Acq: 6 Jun 2019 13:37

Tgt Ion: 92 Resp: 14870
Ion Ratio Lower Upper
92 100
91 156.7 134.7 202.1



Abundance Ion 92.00 (91.70 to 92.70): VD062614.D (-917) (-)
Ion 91.00 (90.70 to 91.70): VD062614.D (-917) (-)





#62

4-Bromofluorobenzene

Concen: 26.535 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

RBR-200027

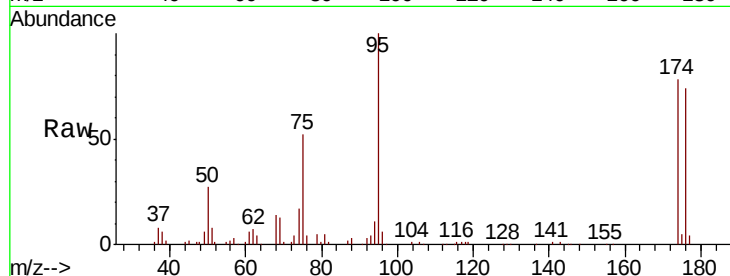
Tot Ion: 95 Resp: 280465

Ion Ratio Lower Upper

95 100

174 78.5 0.0 195.8

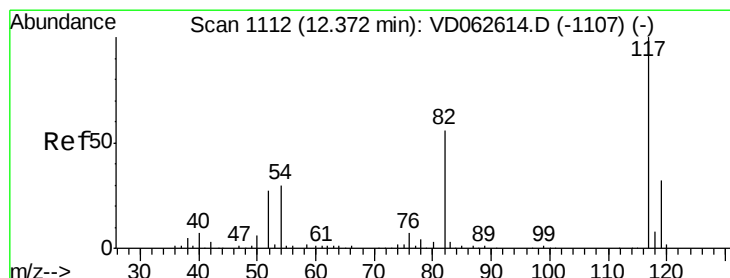
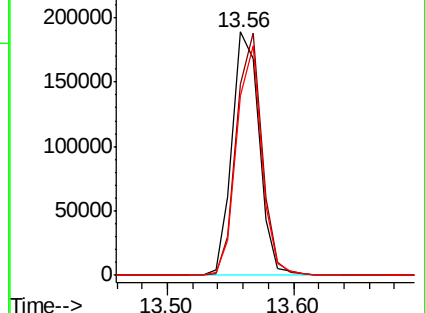
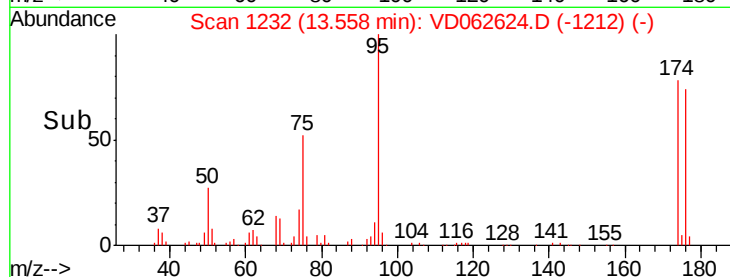
176 74.0 0.0 193.2



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# 1112

Delta R.T. 0.00 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

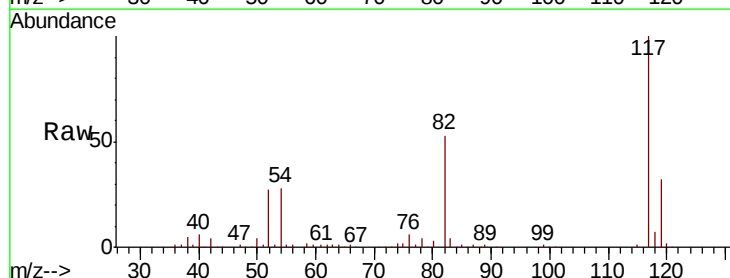
Tgt Ion: 117 Resp: 877247

Ion Ratio Lower Upper

117 100

82 52.8 45.0 67.6

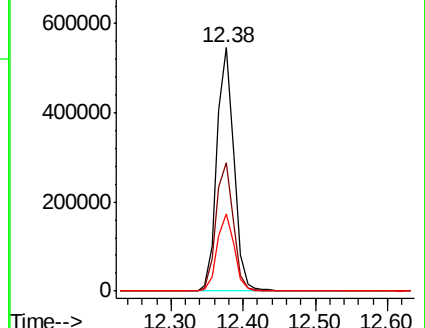
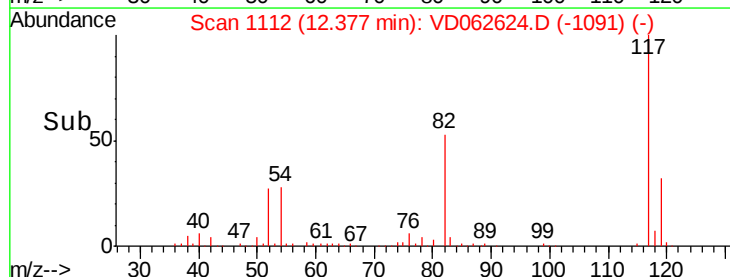
119 32.0 25.7 38.5

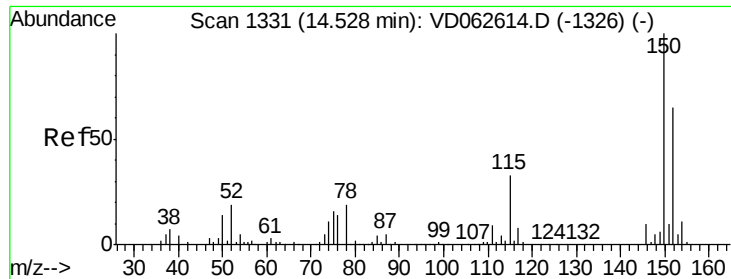


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.01 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

RBR-200027

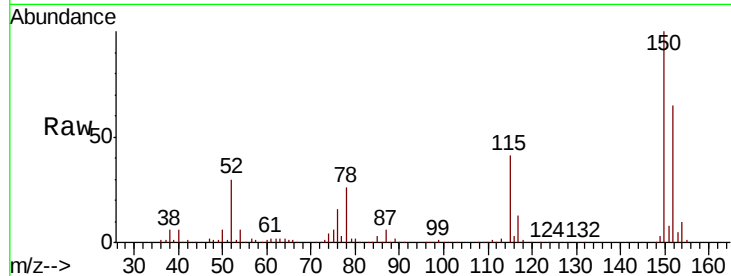
Tot Ion:152 Resp: 434412

Ion Ratio Lower Upper

152 100

115 62.8 27.1 81.3

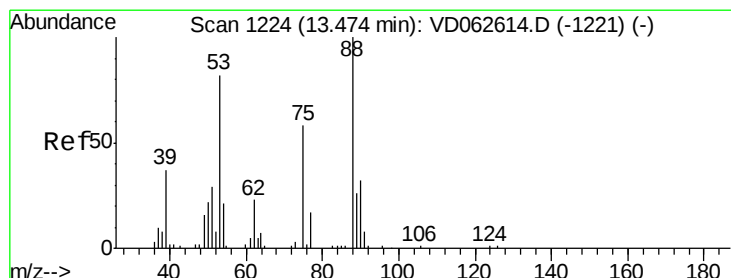
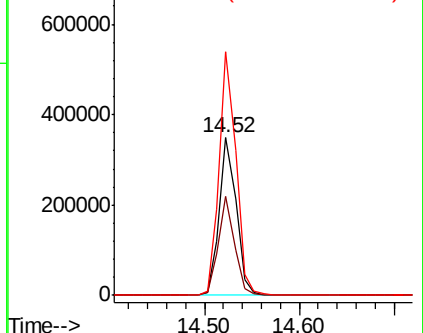
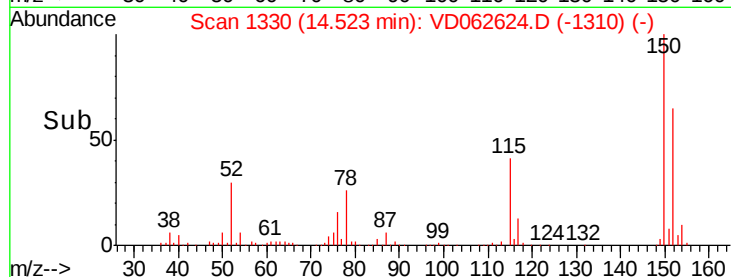
150 154.3 0.0 315.0



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: 96.722 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062624.D

Acq: 6 Jun 2019 13:37

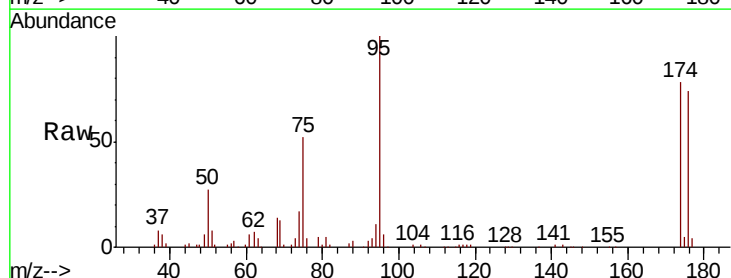
Tgt Ion: 75 Resp: 140887

Ion Ratio Lower Upper

75 100

53 0.0 113.2 169.8#

89 0.0 36.9 55.3#



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

