

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
 Data File : VD063403.D
 Acq On : 6 Aug 2019 17:10
 Operator : JC/SY
 Sample : K4164-04RE
 Misc : 6.26g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-2000051

Quant Time: Aug 07 06:43:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	972717	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1304222	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1146311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	600709	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	505815	46.86	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	93.72%	
35) Dibromofluoromethane	6.93	113	573460	51.50	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	103.00%	
50) Toluene-d8	10.42	98	1215827	48.79	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	13.56	95	521681	45.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.88%	

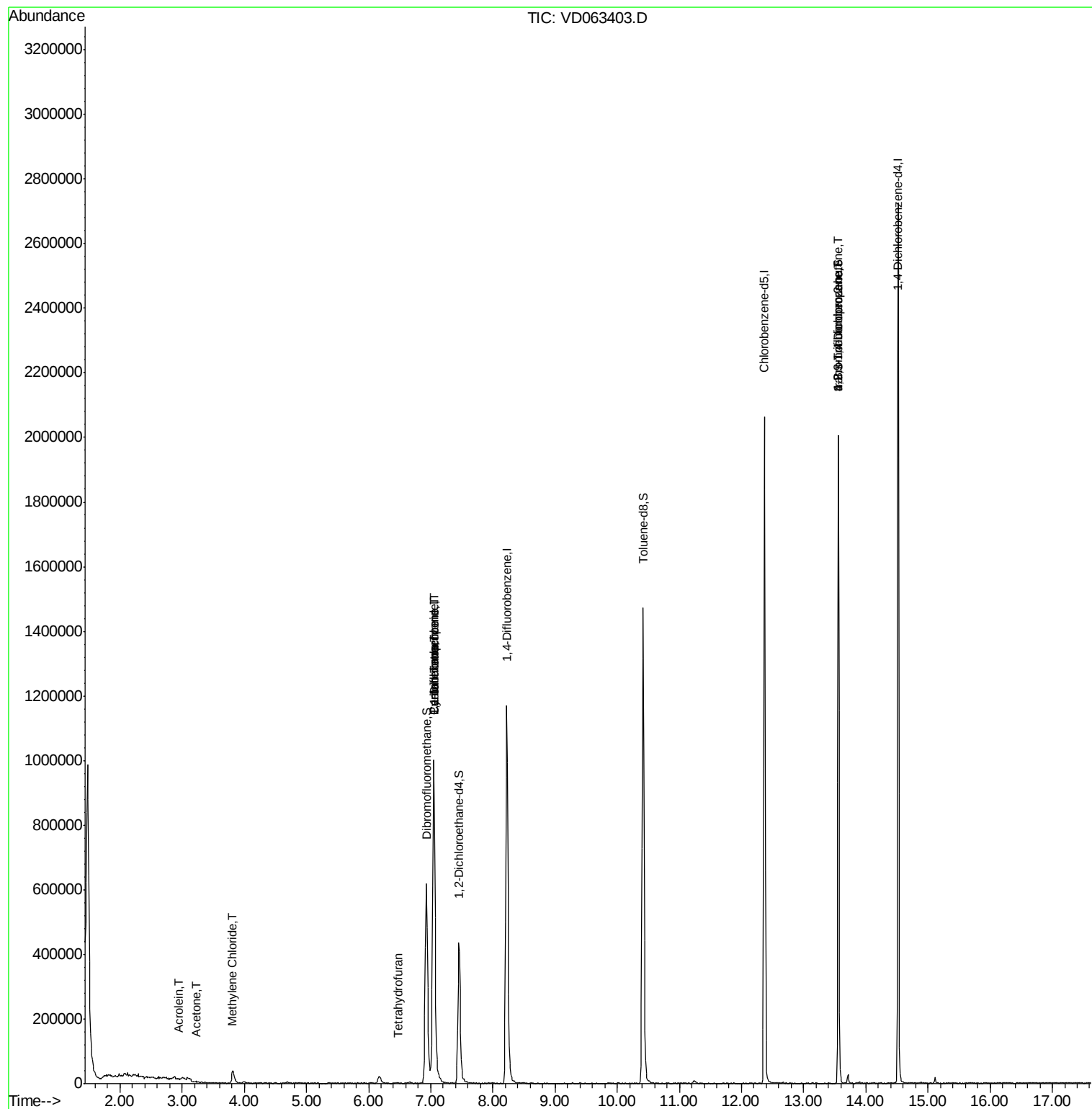
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.95	56	496	1.088	ug/l	85
16) Acetone	3.22	43	7692	3.658	ug/l	96
20) Methylene Chloride	3.81	84	24657	2.901	ug/l #	80
29) Tetrahydrofuran	6.47	42	1211	1.212	ug/l #	71
31) Cyclohexane	7.04	56	19498	2.028	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	74772	6.282	ug/l #	51
38) Carbon Tetrachloride	7.05	117	96660	5.394	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	175753	24.358	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	245217	122.392	ug/l #	3

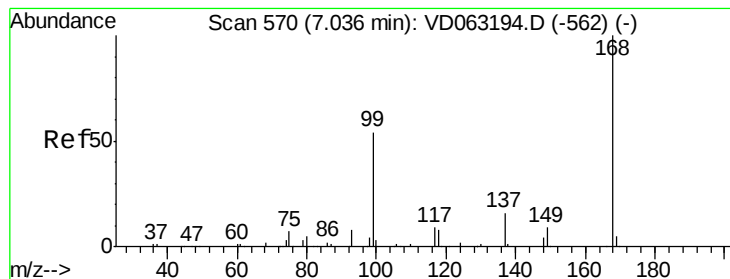
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
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Quant Time: Aug 07 06:43:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

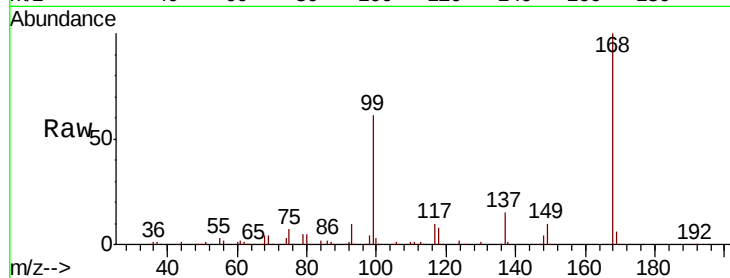
RBR-2000051

Tgt Ion:168 Resp: 972717

Ion Ratio Lower Upper

168 100

99 61.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

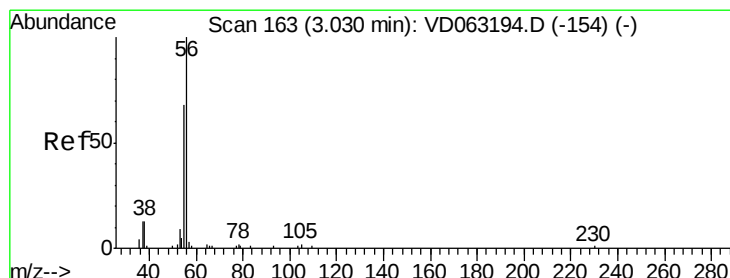
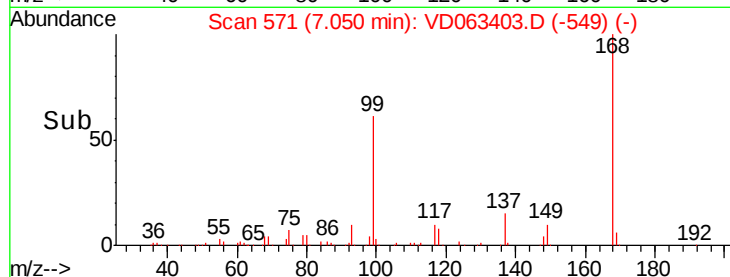
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 1.088 ug/l

RT: 2.95 min Scan# 155

Delta R.T. -0.08 min

Lab File: VD063403.D

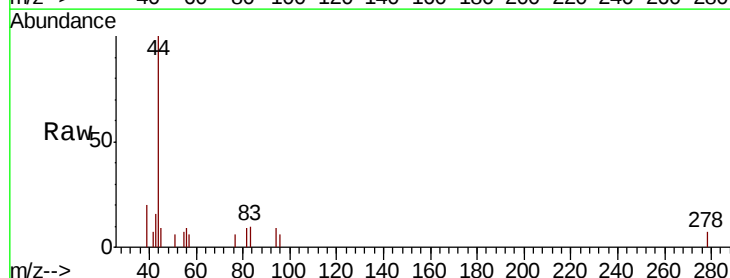
Acq: 6 Aug 2019 17:10

Tgt Ion: 56 Resp: 496

Ion Ratio Lower Upper

56 100

55 81.1 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

800

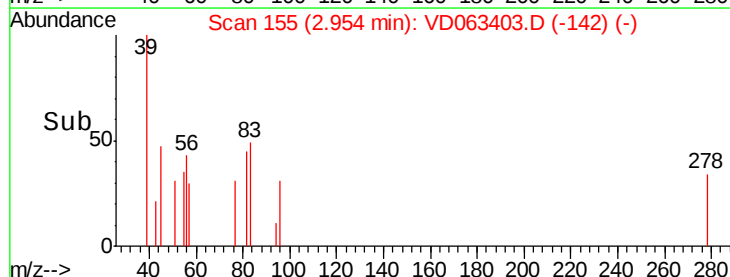
600

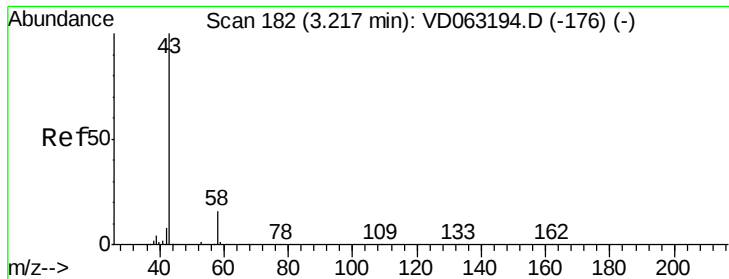
400

200

0

Time-->





#16

Acetone

Concen: 3.658 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

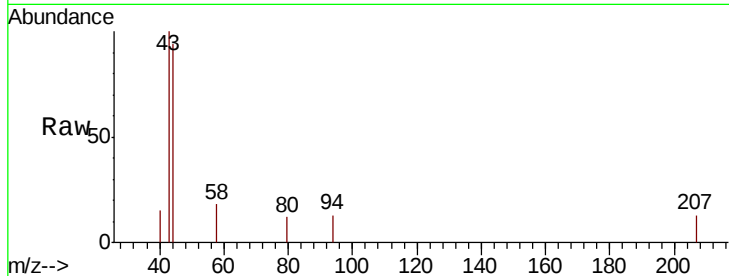
RBR-2000051

Tgt Ion: 43 Resp: 7692

Ion Ratio Lower Upper

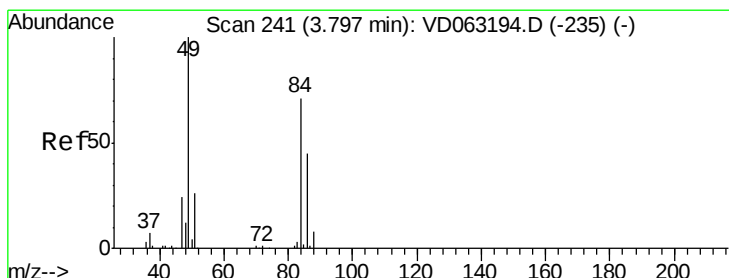
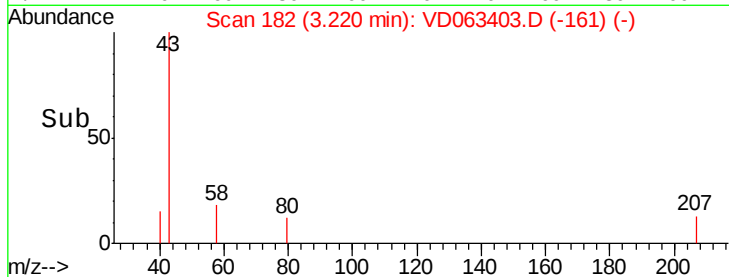
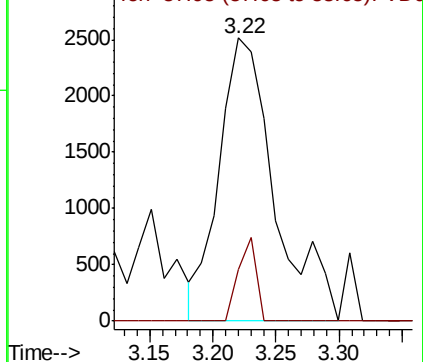
43 100

58 18.1 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.901 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

Tgt Ion: 84 Resp: 24657

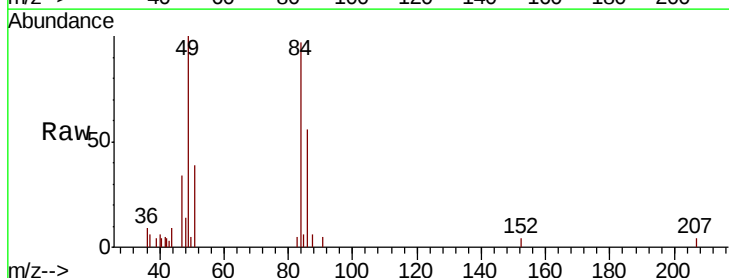
Ion Ratio Lower Upper

84 100

49 103.4 112.5 168.7#

51 40.5 29.6 44.4

86 58.1 50.4 75.6

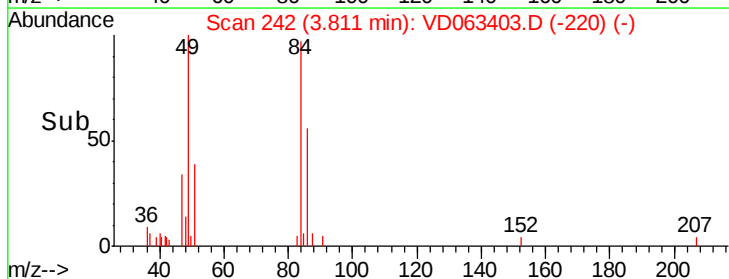
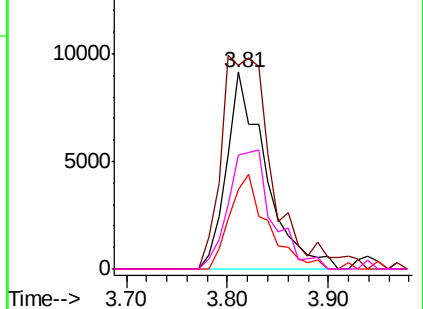


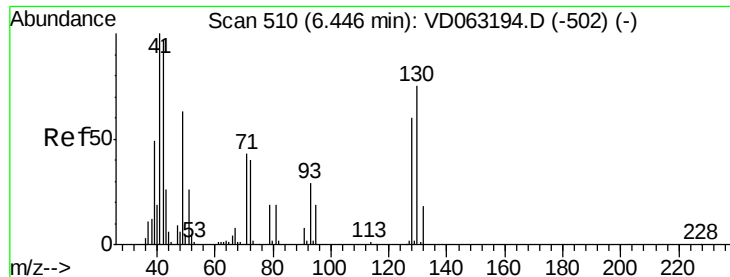
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.212 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

RBR-2000051

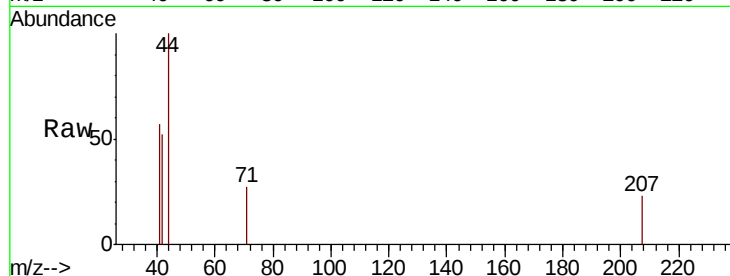
Tgt Ion: 42 Resp: 1211

Ion Ratio Lower Upper

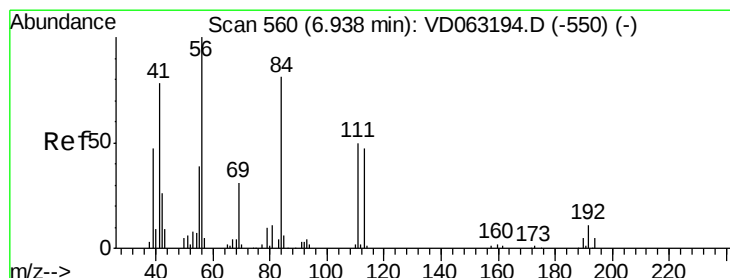
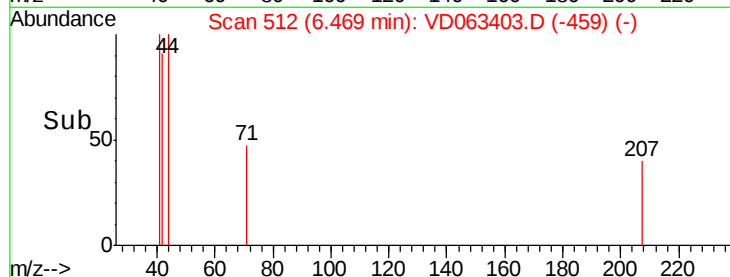
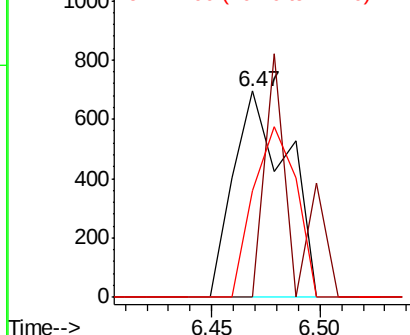
42 100

72 58.8 33.4 50.2#

71 65.2 35.7 53.5#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.028 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

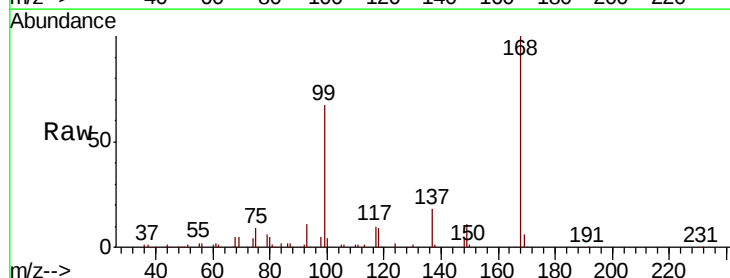
Tgt Ion: 56 Resp: 19498

Ion Ratio Lower Upper

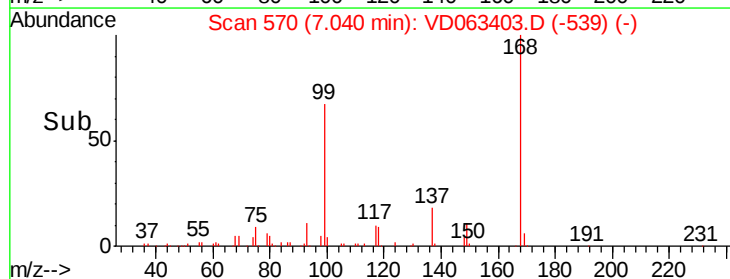
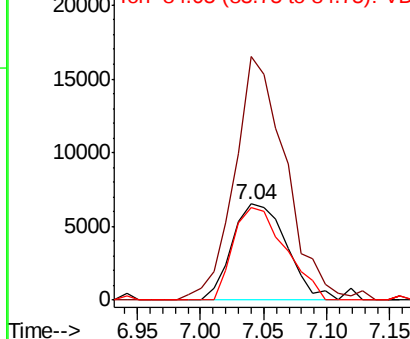
56 100

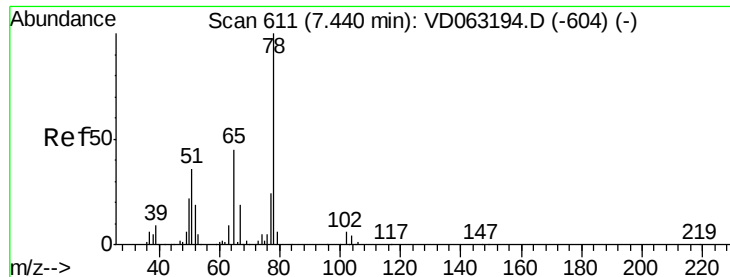
69 254.1 24.5 36.7#

84 96.4 64.9 97.3



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: 46.864 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

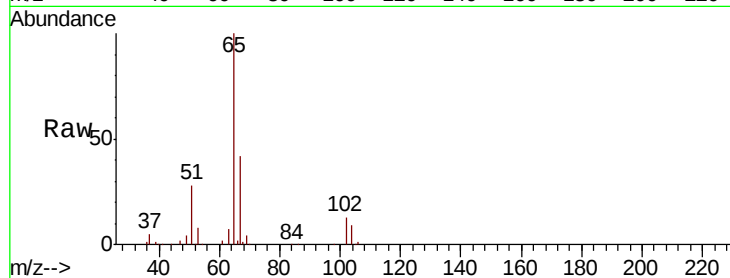
RBR-2000051

Tgt Ion: 65 Resp: 505815

Ion Ratio Lower Upper

65 100

67 41.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

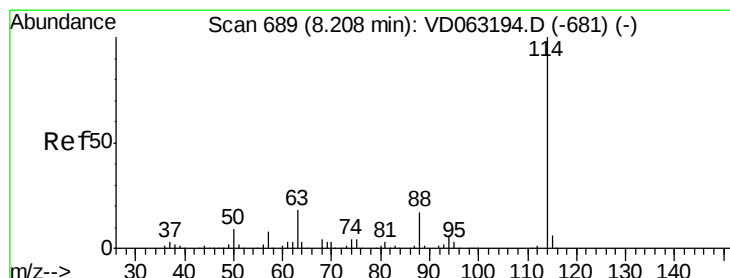
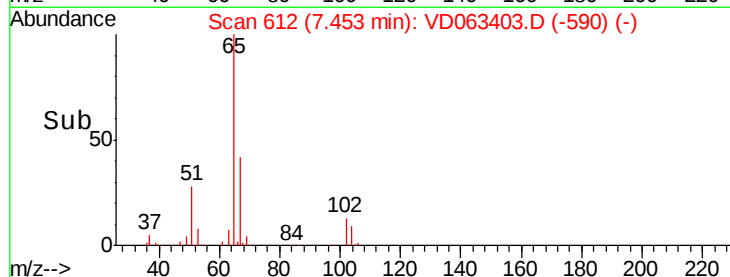
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

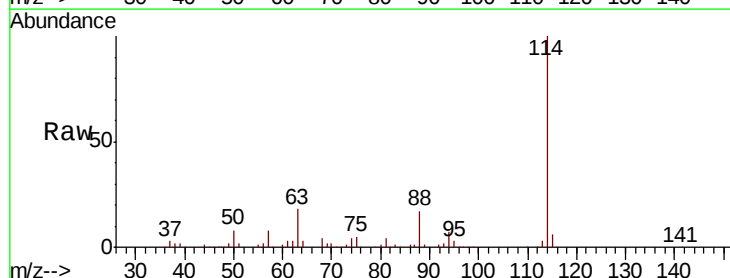
Tgt Ion: 114 Resp: 1304222

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

88 16.6 0.0 34.6



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

8.22

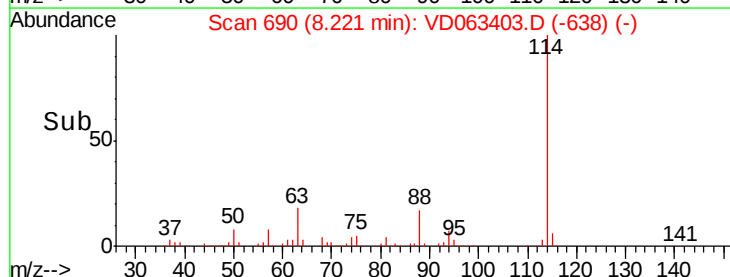
600000

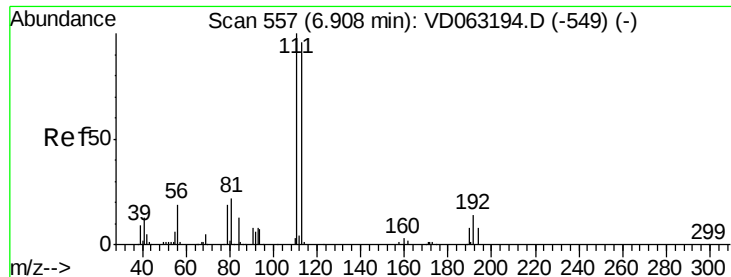
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.499 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

RBR-2000051

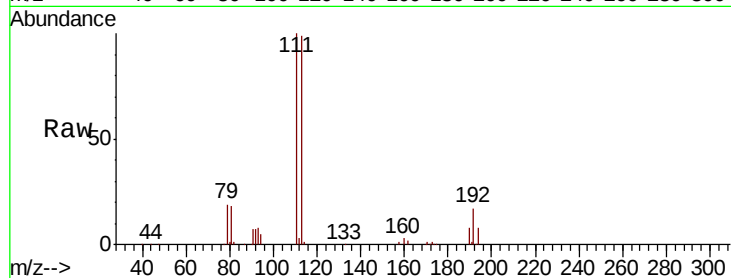
Tgt Ion:113 Resp: 573460

Ion Ratio Lower Upper

113 100

111 100.6 83.2 124.8

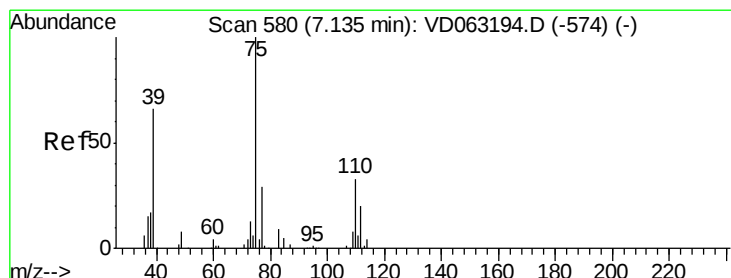
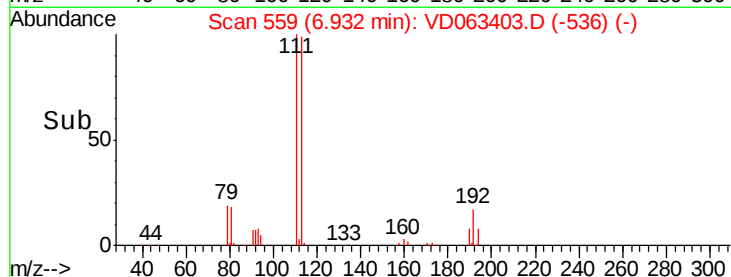
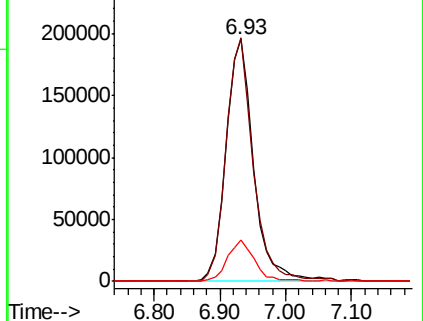
192 16.9 11.8 17.8



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: 6.282 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

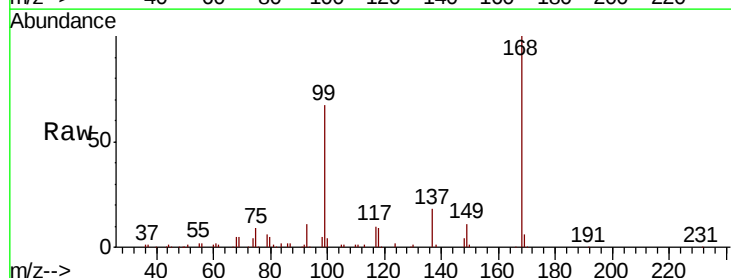
Tgt Ion: 75 Resp: 74772

Ion Ratio Lower Upper

75 100

110 6.9 16.1 48.2#

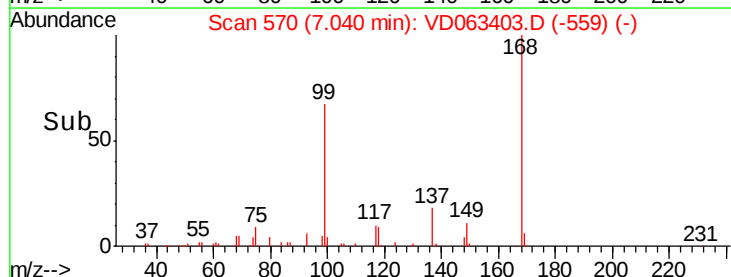
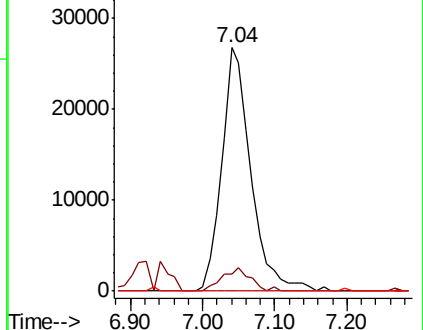
77 0.0 22.7 34.1#

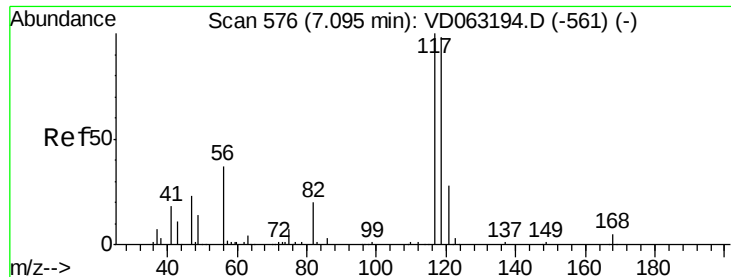


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.394 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

Instrument :

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ClientSampleId :

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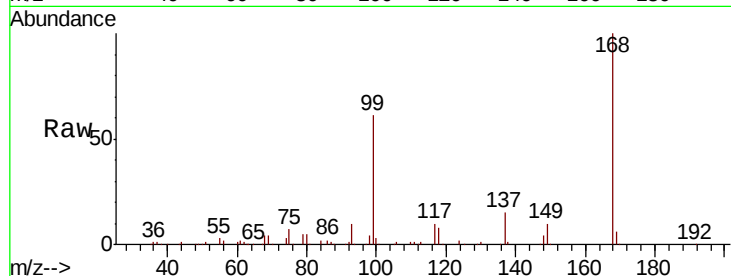
Tgt Ion:117 Resp: 96660

Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

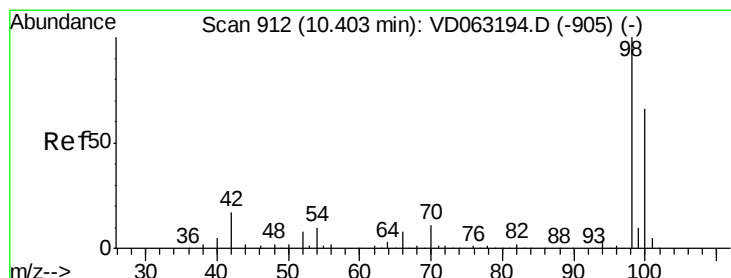
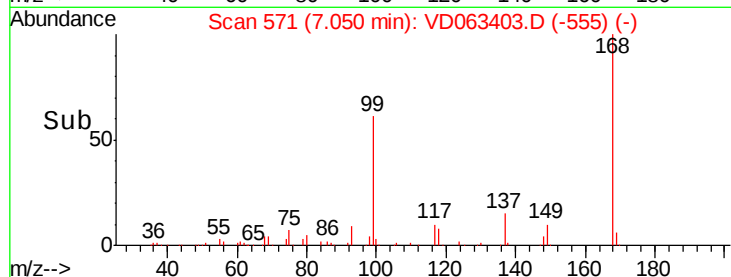
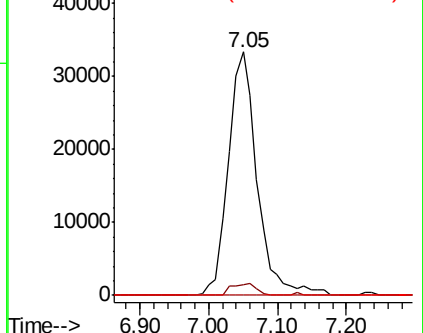
121 0.0 22.1 33.1#



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: 48.788 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063403.D

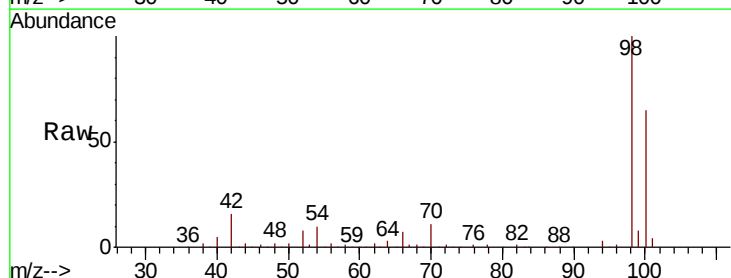
Acq: 6 Aug 2019 17:10

Tgt Ion: 98 Resp: 1215827

Ion Ratio Lower Upper

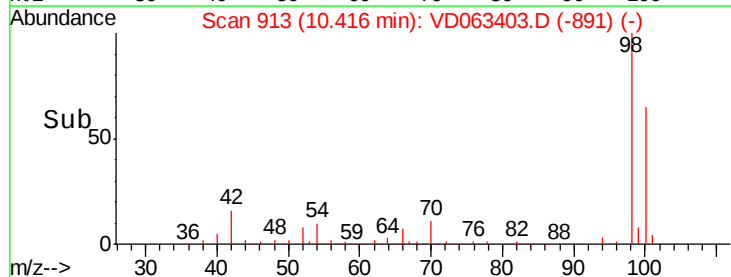
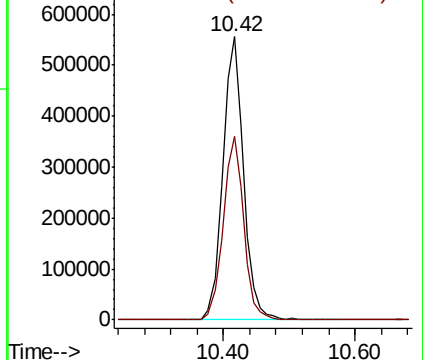
98 100

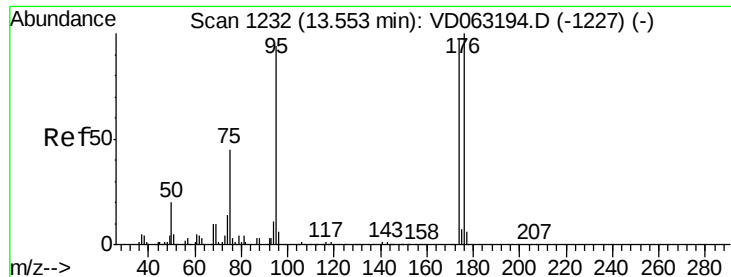
100 65.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 45.938 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

RBR-2000051

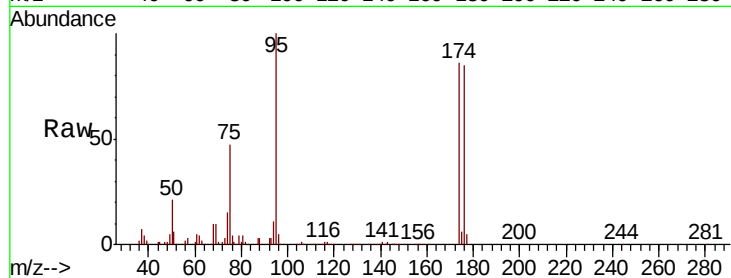
Tgt Ion: 95 Resp: 521681

Ion Ratio Lower Upper

95 100

174 86.0 0.0 205.4

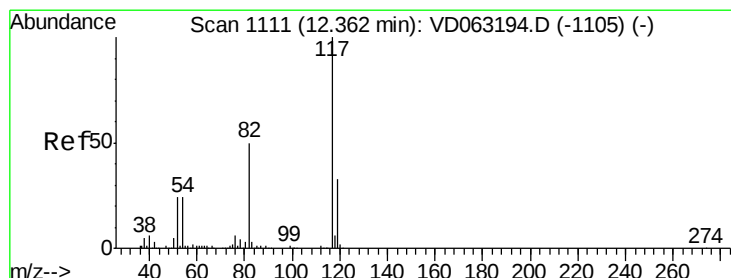
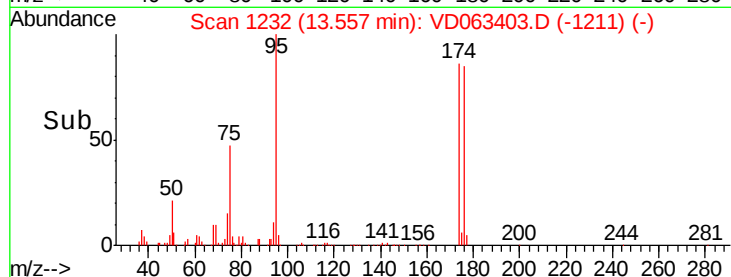
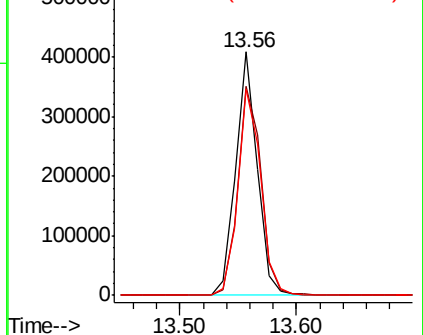
176 84.7 0.0 211.8



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. 0.00 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

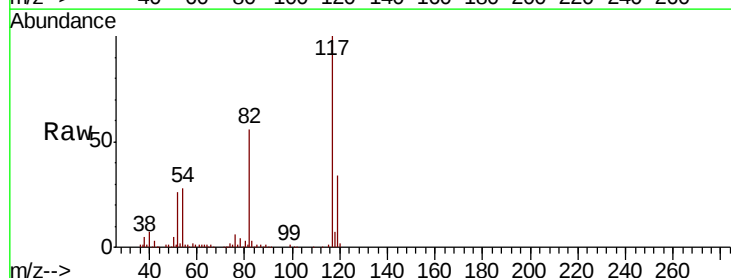
Tgt Ion: 117 Resp: 1146311

Ion Ratio Lower Upper

117 100

82 56.1 40.1 60.1

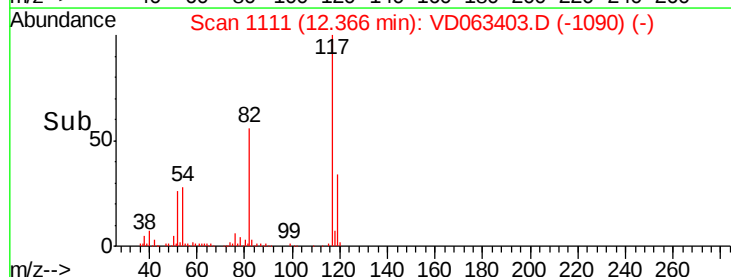
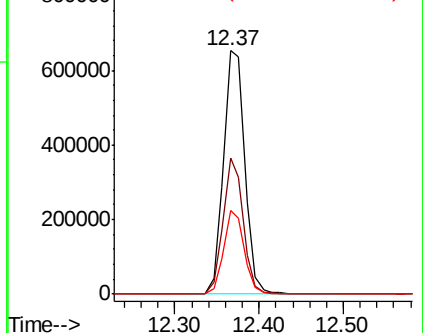
119 34.2 26.5 39.7

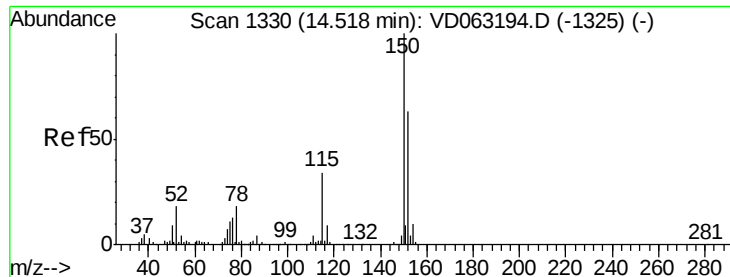


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063403.D

Acq: 6 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

RBR-2000051

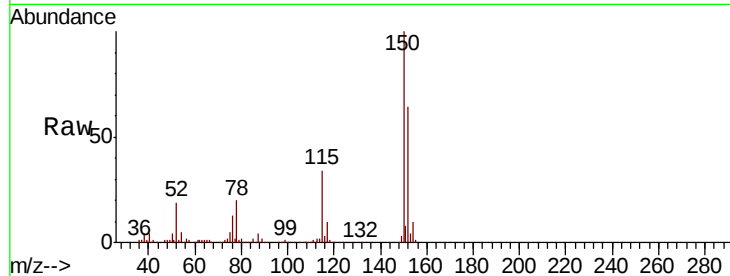
Tgt Ion:152 Resp: 600709

Ion Ratio Lower Upper

152 100

115 54.2 27.5 82.4

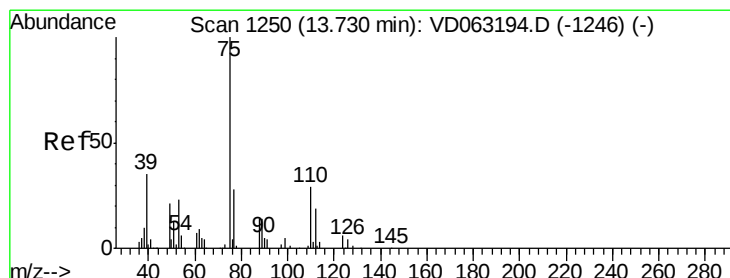
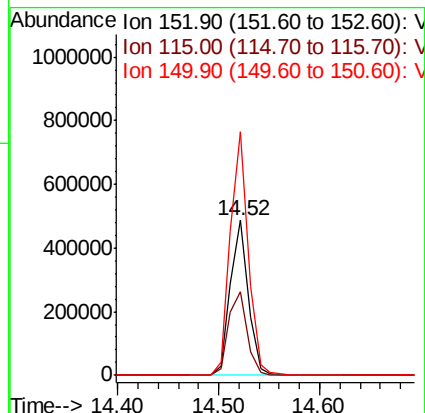
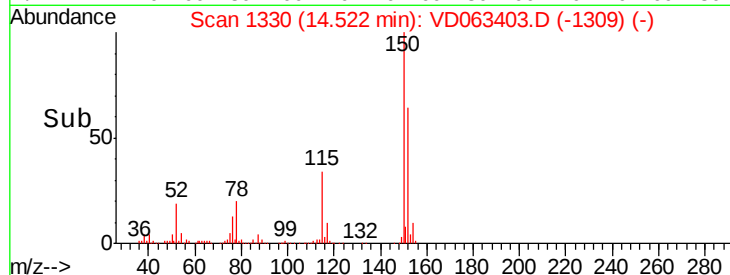
150 157.1 0.0 320.6



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



#76

1,2,3-Trichloropropane

Concen: 24.358 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063403.D

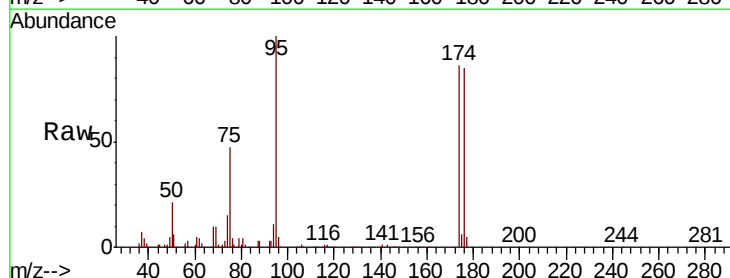
Acq: 6 Aug 2019 17:10

Tgt Ion: 75 Resp: 175753

Ion Ratio Lower Upper

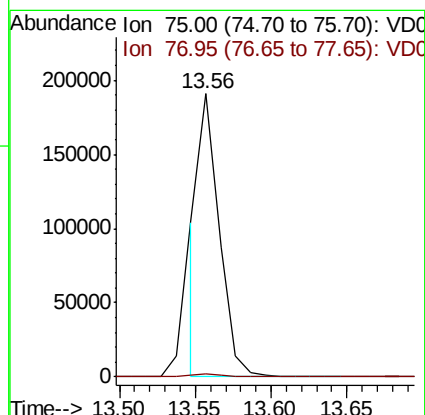
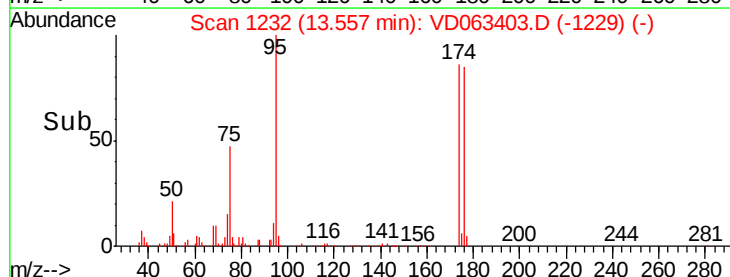
75 100

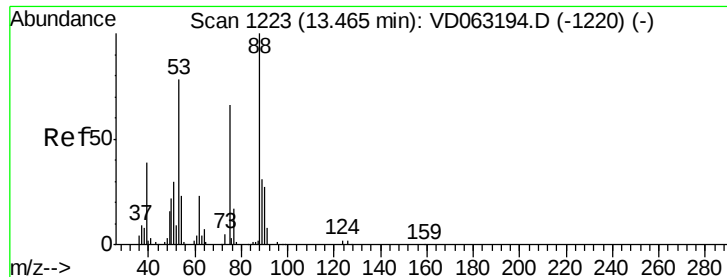
77 1.2 16.0 48.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 122.392 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063403.D

Acq: 6 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

RBR-2000051

Tgt Ion: 75 Resp: 245217

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

