

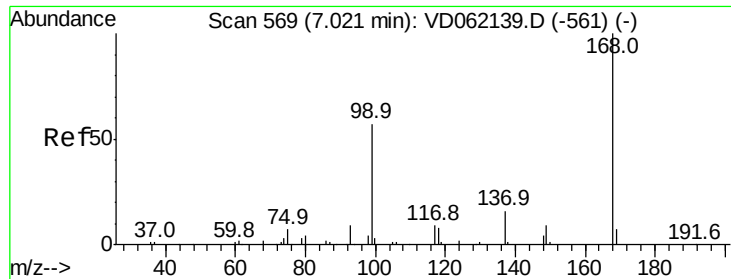
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062442.D
 Acq On : 17 May 2019 16:38
 Operator : FY/SY
 Sample : K2880-02
 Misc : 5.95µ/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251608

Quant Time: May 18 00:05:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	8456	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	10632	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	10082	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	4690	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	3870	49.25	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	6.91	113	3774	42.78	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.56%	
50) Toluene-d8	10.42	98	6673	31.37	ug/l	0.02
Spiked Amount	50.000		Recovery	=	62.74%	
62) 4-Bromofluorobenzene	13.56	95	3971	46.49	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.98%	
Target Compounds						
					Qvalue	
16) Acetone	3.19	43	1862	112.988	ug/l #	50
25) 2-Butanone	6.09	43	224	12.462	ug/l #	56
37) Ethyl Acetate	6.09	43	224	6.059	ug/l #	64
43) Isopropyl Acetate	8.89	43	257	4.902	ug/l #	43
76) 1,2,3-Trichloropropane	13.56	75	1391	24.957	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	1391	88.403	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062442.D

Acq: 17 May 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

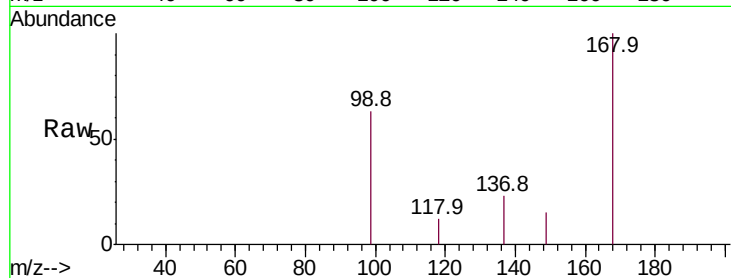
RBR-251608

Tot Ion:168 Resp: 8456

Ion Ratio Lower Upper

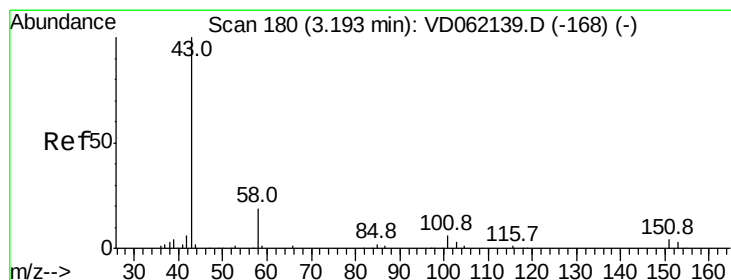
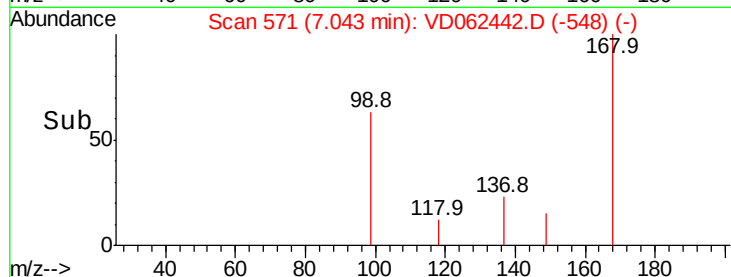
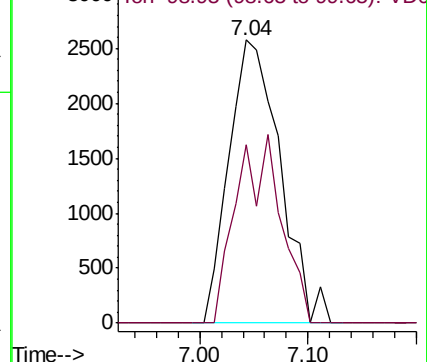
168 100

99 63.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 112.988 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.01 min

Lab File: VD062442.D

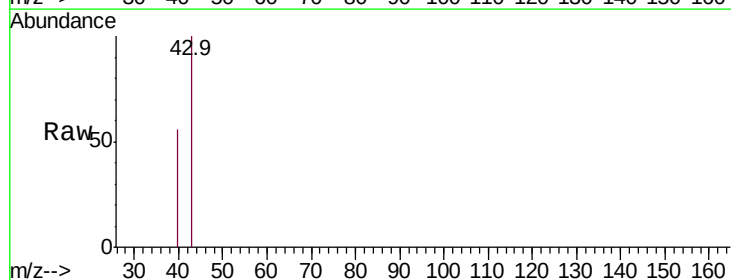
Acq: 17 May 2019 16:38

Tgt Ion: 43 Resp: 1862

Ion Ratio Lower Upper

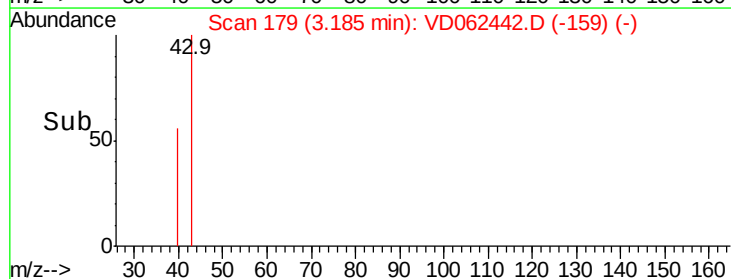
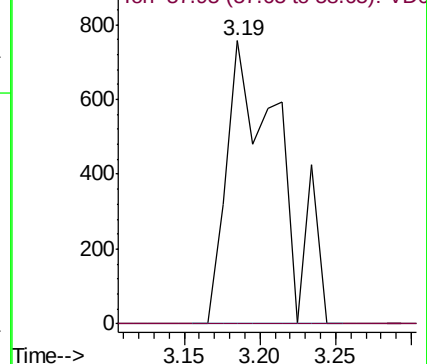
43 100

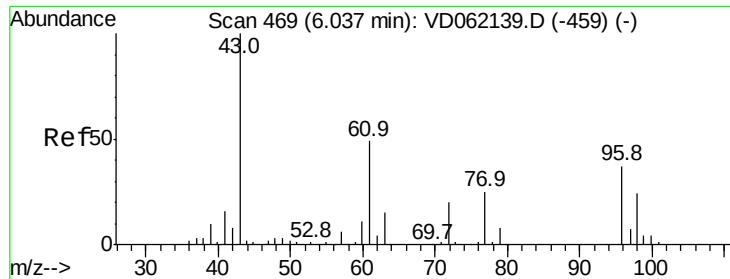
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 12.462 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062442.D

Acq: 17 May 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

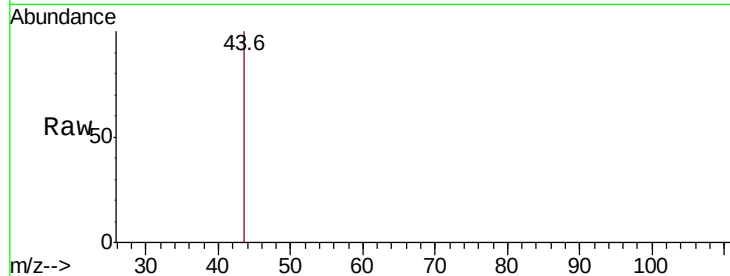
RBR-251608

Tot Ion: 43 Resp: 224

Ion Ratio Lower Upper

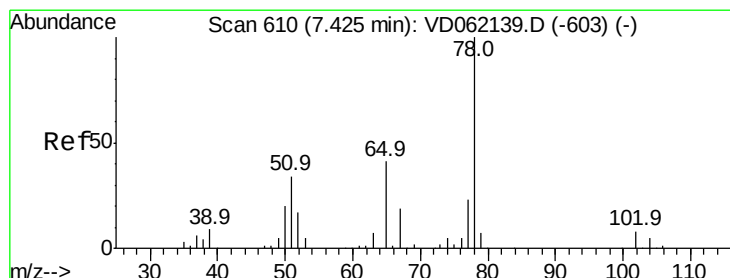
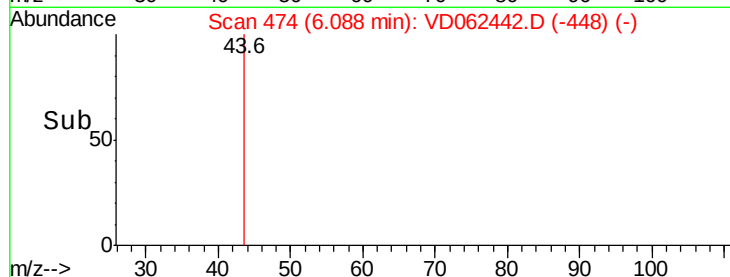
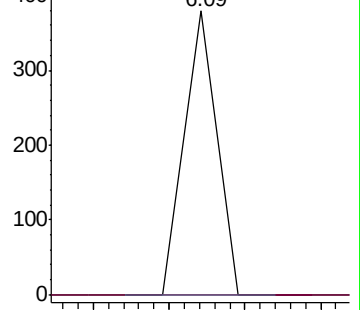
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 49.247 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062442.D

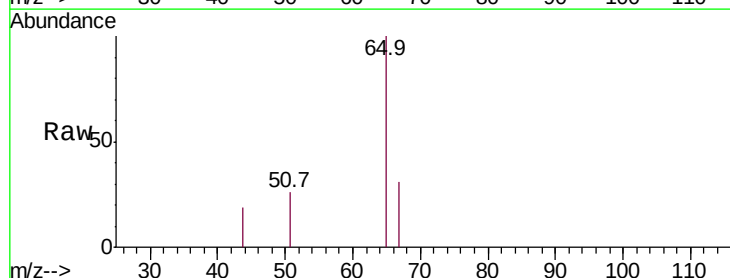
Acq: 17 May 2019 16:38

Tgt Ion: 65 Resp: 3870

Ion Ratio Lower Upper

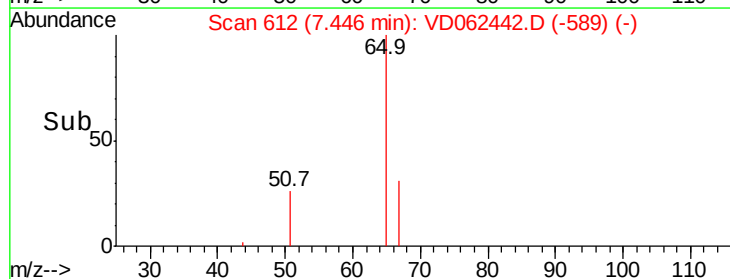
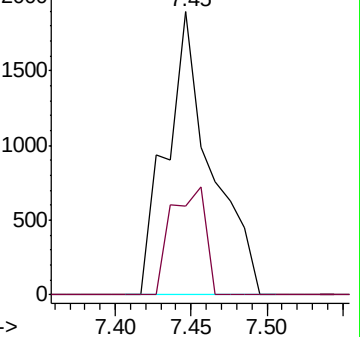
65 100

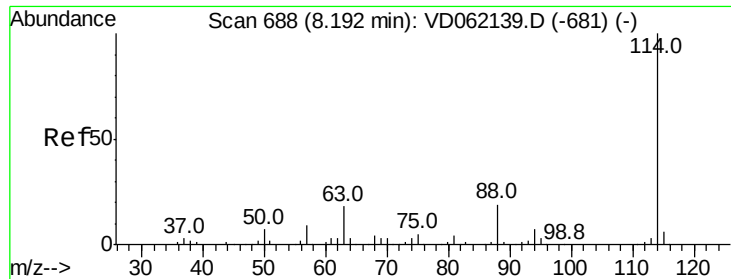
67 31.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

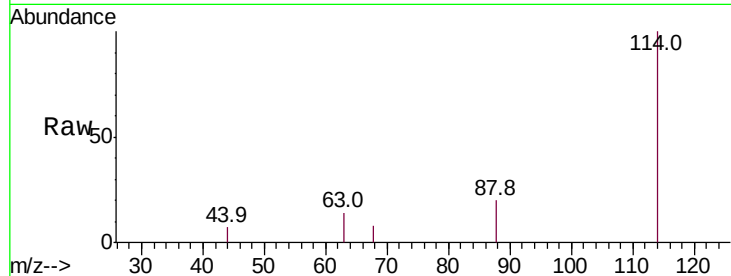




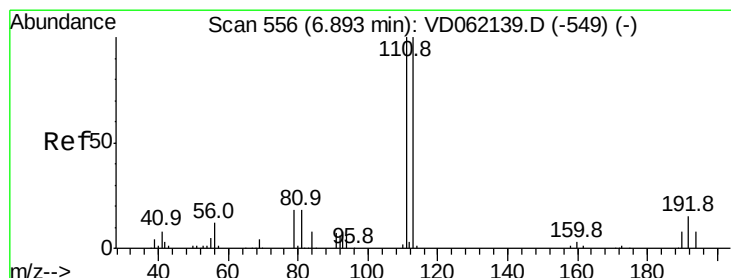
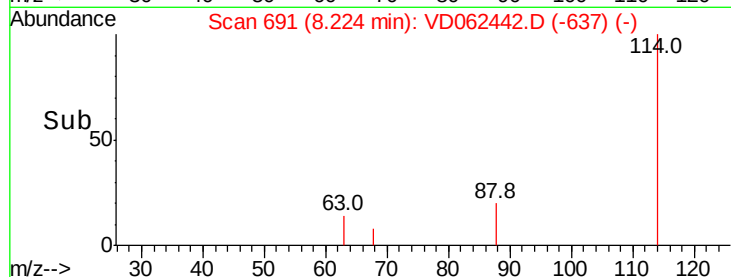
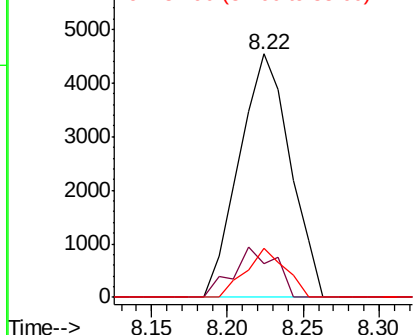
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062442.D
 Acq: 17 May 2019 16:38

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251608

Tot Ion:114 Resp: 10632
 Ion Ratio Lower Upper
 114 100
 63 14.1 0.0 32.4
 88 20.3 0.0 33.6

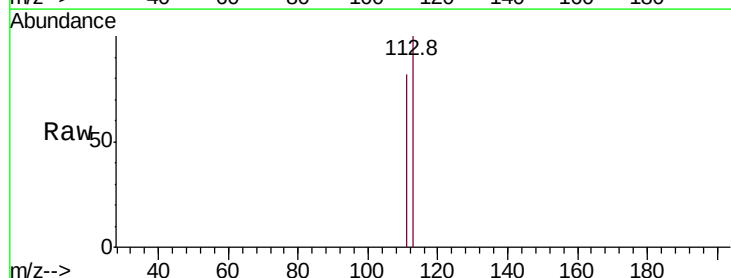


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

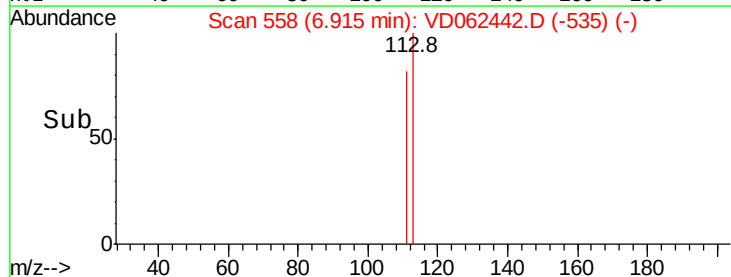
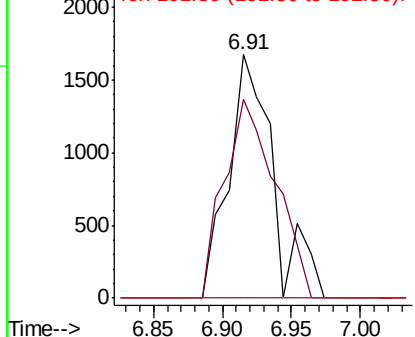


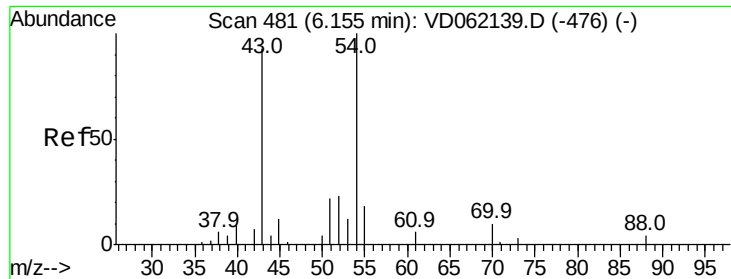
#35
 Dibromofluoromethane
 Concen: 42.782 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD062442.D
 Acq: 17 May 2019 16:38

Tgt Ion:113 Resp: 3774
 Ion Ratio Lower Upper
 113 100
 111 81.8 78.5 117.7
 192 0.0 13.0 19.4#



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





#37

Ethyl Acetate

Concen: 6.059 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.07 min

Lab File: VD062442.D

Acq: 17 May 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

RBR-251608

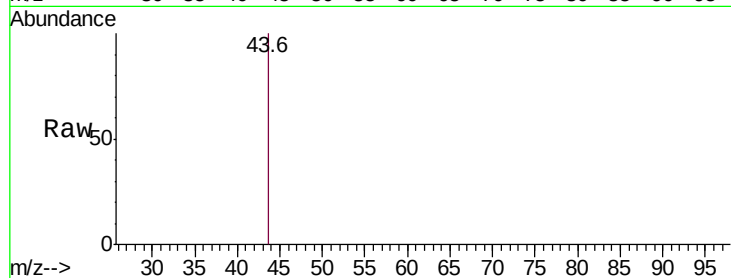
Tot Ion: 43 Resp: 224

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

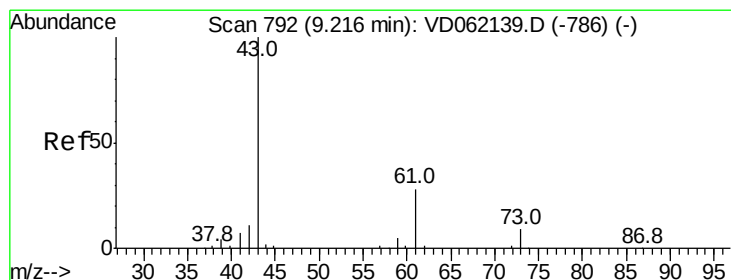
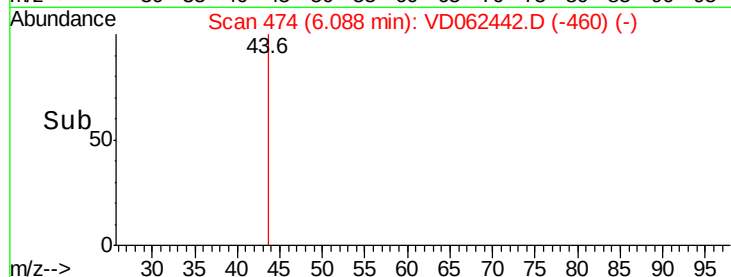
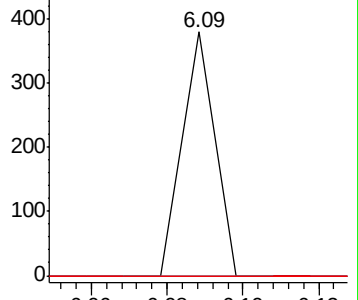
70 0.0 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#43

Isopropyl Acetate

Concen: 4.902 ug/l

RT: 8.89 min Scan# 759

Delta R.T. -0.32 min

Lab File: VD062442.D

Acq: 17 May 2019 16:38

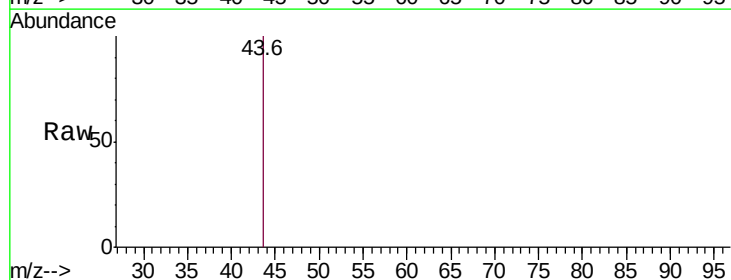
Tgt Ion: 43 Resp: 257

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

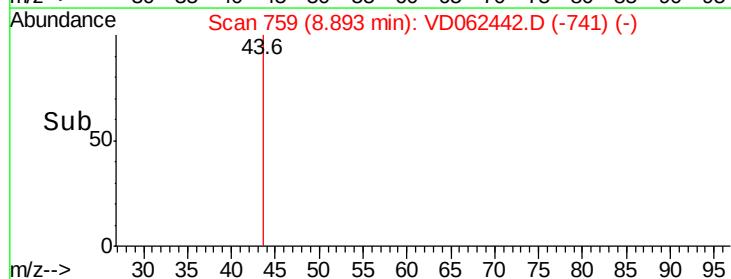
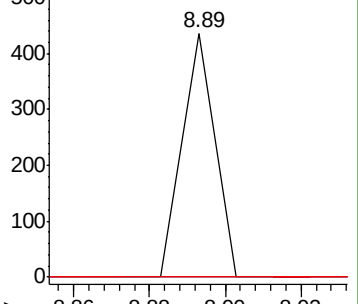
87 0.0 0.0 0.0

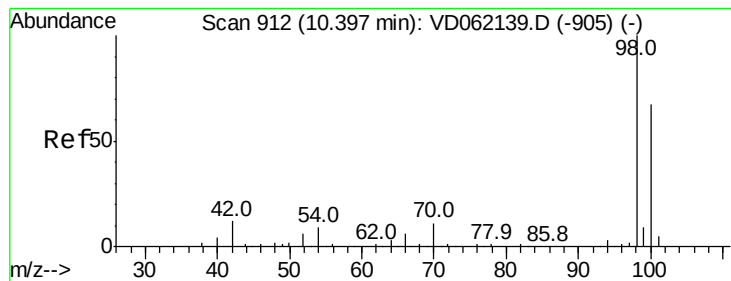


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#50

Toluene-d8

Concen: 31.374 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062442.D

Acq: 17 May 2019 16:38

Instrument :

MSVOA_D

ClientSampleId :

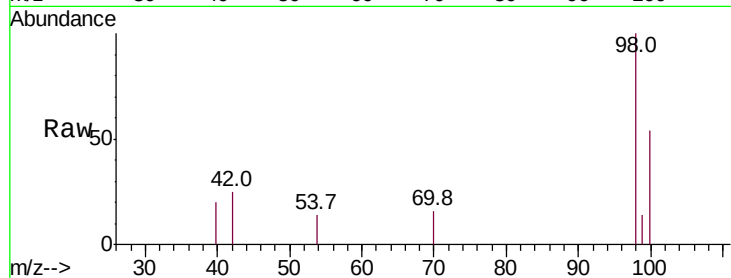
RBR-251608

Tot Ion: 98 Resp: 6673

Ion Ratio Lower Upper

98 100

100 47.7 53.8 80.8#

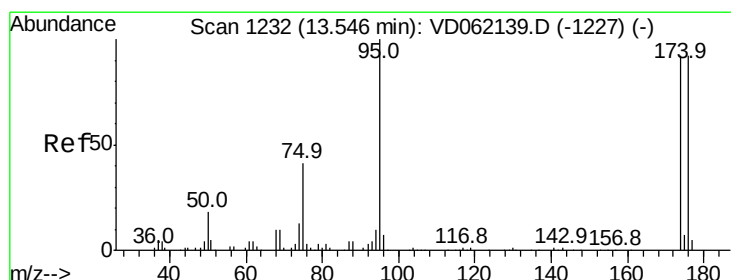
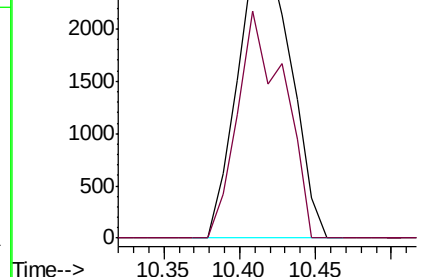
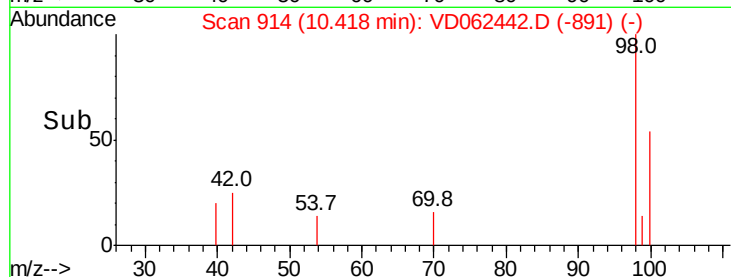


Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.42

Time-->



#62

4-Bromofluorobenzene

Concen: 46.494 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062442.D

Acq: 17 May 2019 16:38

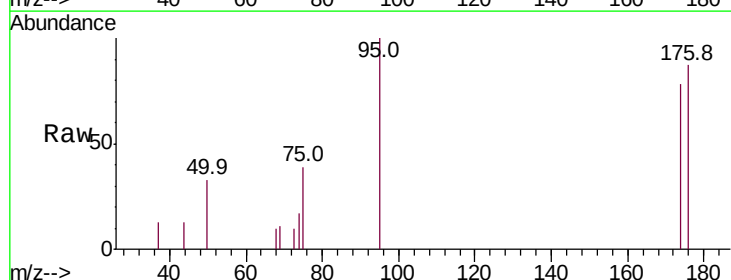
Tgt Ion: 95 Resp: 3971

Ion Ratio Lower Upper

95 100

174 78.2 0.0 181.8

176 86.5 0.0 174.4



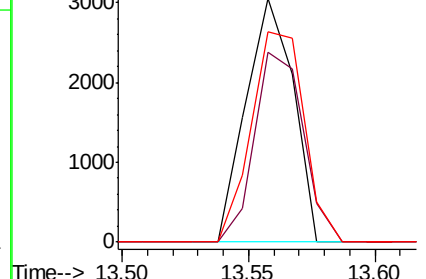
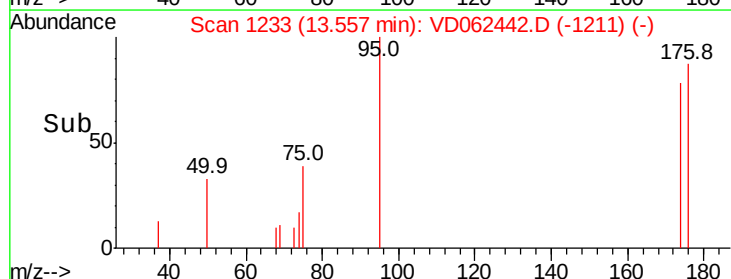
Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

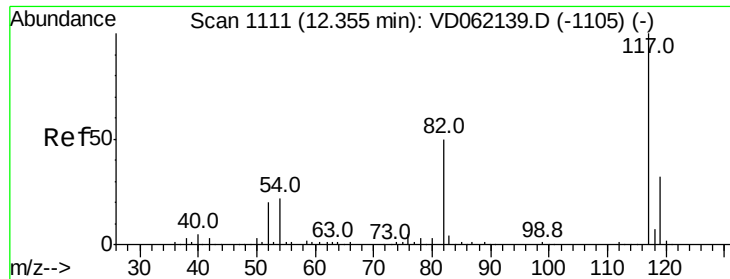
Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

13.56

Time-->

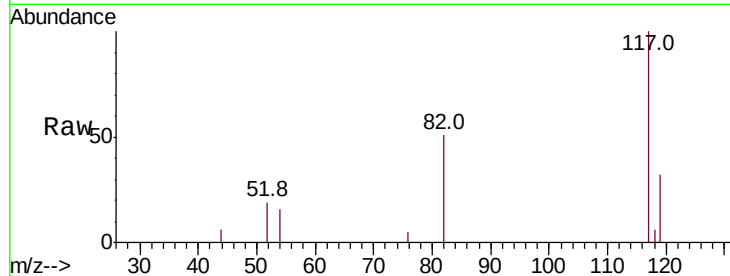




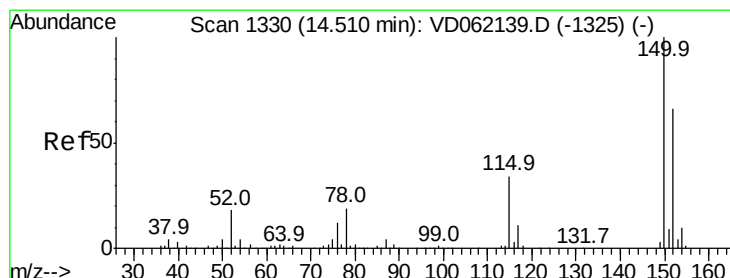
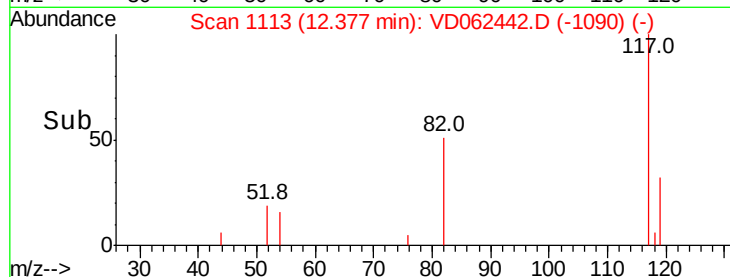
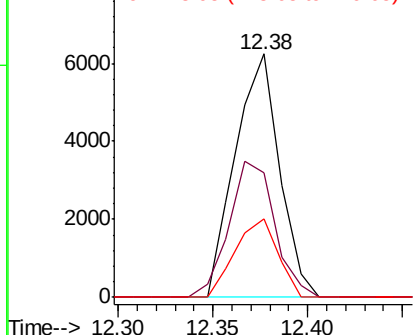
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062442.D
Acq: 17 May 2019 16:38

Instrument :
MSVOA_D
ClientSampleId :
RBR-251608

Tot Ion:117 Resp: 10082
Ion Ratio Lower Upper
117 100
82 51.0 36.2 54.2
119 32.2 26.2 39.4

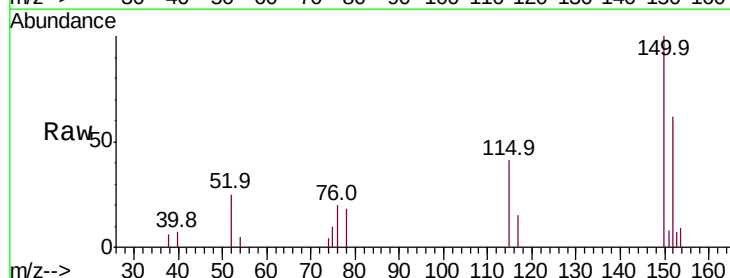


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

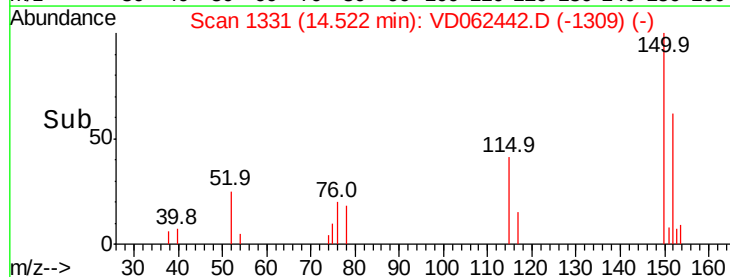
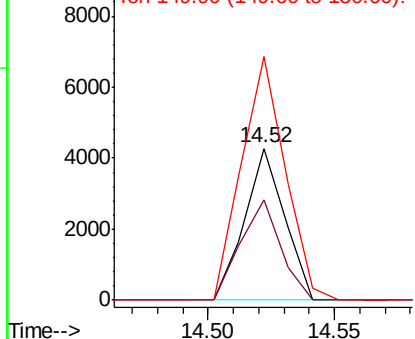


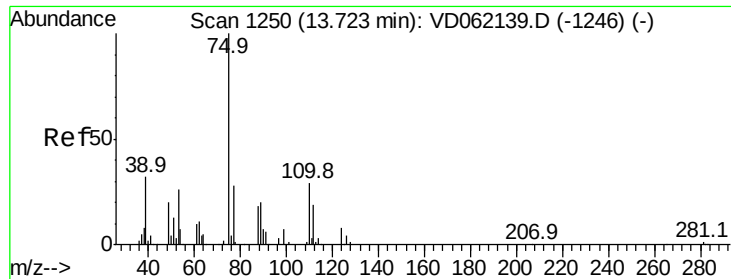
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062442.D
Acq: 17 May 2019 16:38

Tgt Ion:152 Resp: 4690
Ion Ratio Lower Upper
152 100
115 66.3 30.9 92.7
150 160.4 0.0 314.8



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

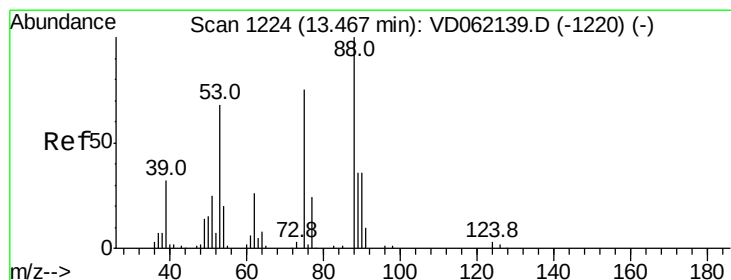
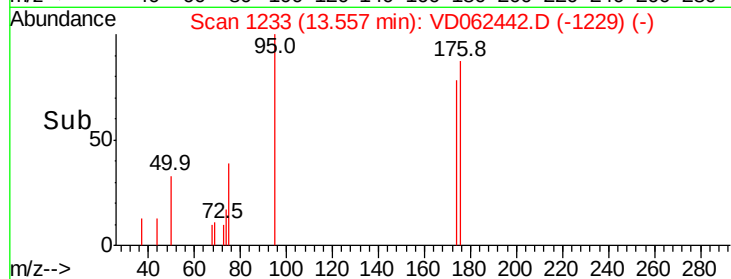
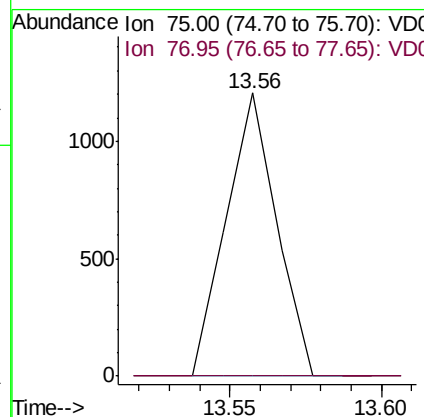
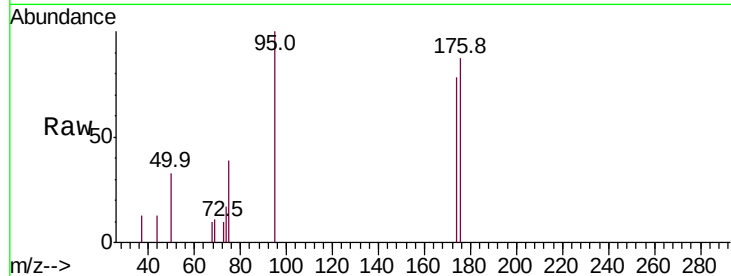




#76
 1,2,3-Trichloropropane
 Concen: 24.957 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD062442.D
 Acq: 17 May 2019 16:38

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251608

Tot Ion: 75 Resp: 1391
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.403 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD062442.D
 Acq: 17 May 2019 16:38

Tgt Ion: 75 Resp: 1391
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

