

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062378.D
 Acq On : 15 May 2019 7:14
 Operator : FY/SY
 Sample : K2779-03
 Misc : 6.14g/5mL/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200050

Quant Time: May 15 08:54:09 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	7.08	168	79347	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	125333	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	113117	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	63364	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	60135	81.55	ug/l	0.04
Spiked Amount			Recovery	=	163.10%	
35) Dibromofluoromethane	6.95	113	54909	52.80	ug/l	0.05
Spiked Amount			Recovery	=	105.60%	
50) Toluene-d8	10.42	98	82703	32.99	ug/l	0.02
Spiked Amount			Recovery	=	65.98%	
62) 4-Bromofluorobenzene	13.56	95	44314	44.01	ug/l	0.02
Spiked Amount			Recovery	=	88.02%	

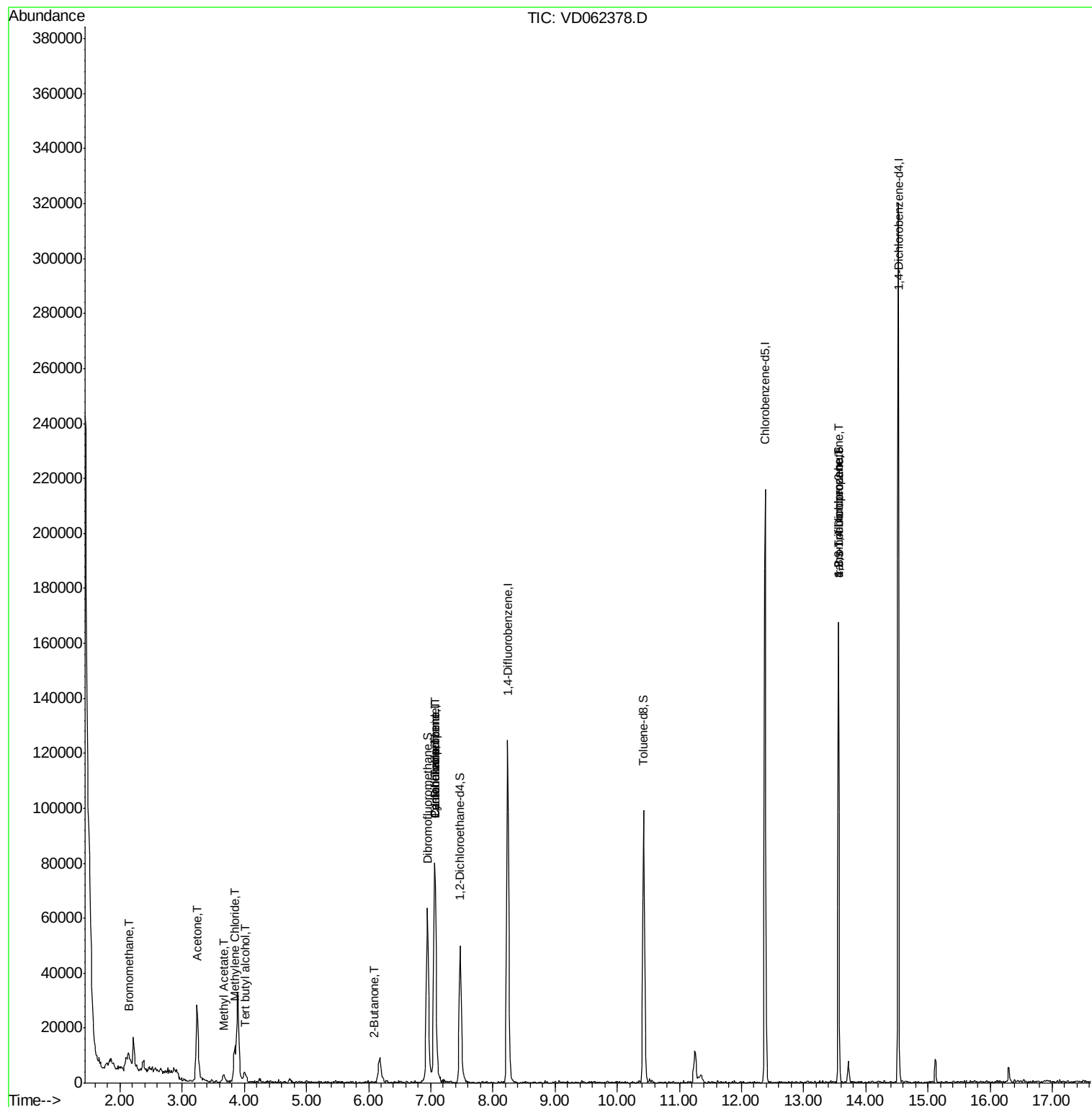
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	270	2.138	ug/l #	12
11) Tert butyl alcohol	4.01	59	3142	83.477	ug/l #	76
16) Acetone	3.24	43	54234	350.719	ug/l #	83
18) Methyl Acetate	3.66	43	5389	19.299	ug/l #	53
20) Methylene Chloride	3.85	84	7005	10.849	ug/l #	91
25) 2-Butanone	6.08	43	218	1.292	ug/l #	56
31) Cyclohexane	7.06	56	1582	2.045	ug/l #	16
36) 1,1-Dichloropropene	7.07	75	6252	6.084	ug/l #	40
38) Carbon Tetrachloride	7.08	117	8034	5.649	ug/l #	12
76) 1,2,3-Trichloropropane	13.56	75	21120	28.047	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	21596	101.588	ug/l #	16

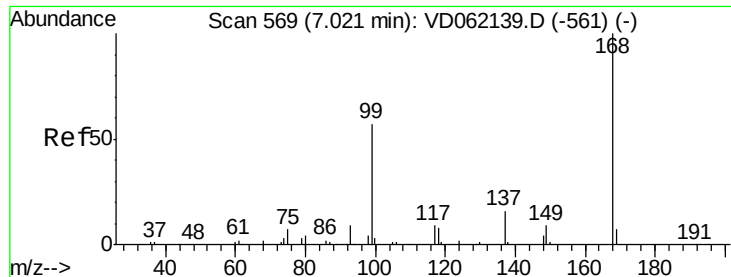
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062378.D

Acq: 15 May 2019 7:14

Instrument :

MSVOA_D

ClientSampleId :

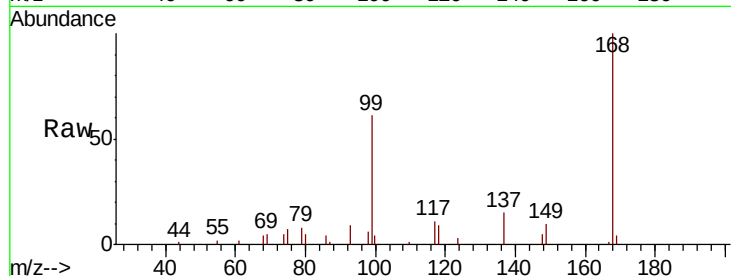
RBR-200050

Tot Ion:168 Resp: 79347

Ion Ratio Lower Upper

168 100

99 60.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

25000

20000

15000

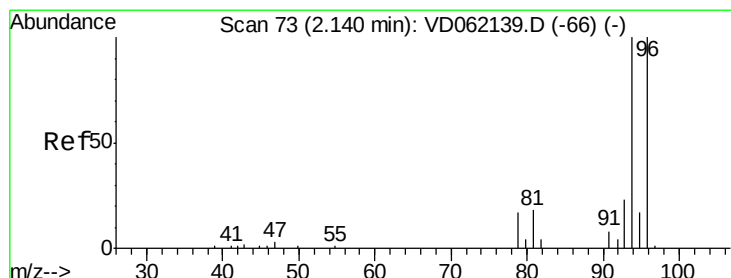
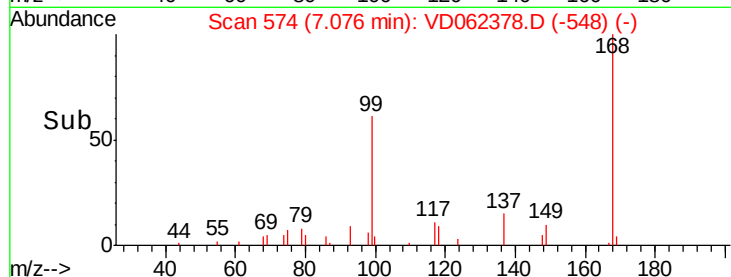
10000

5000

0

Time-->

7.00 7.10 7.20



#5

Bromomethane

Concen: 2.138 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD062378.D

Acq: 15 May 2019 7:14

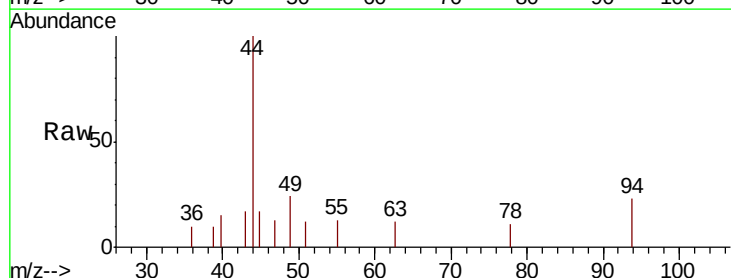
Tgt Ion: 94 Resp: 270

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

1000

800

600

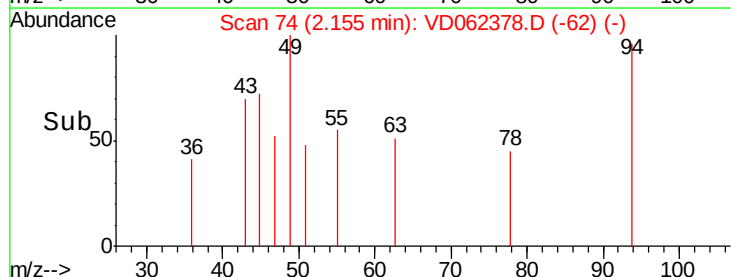
400

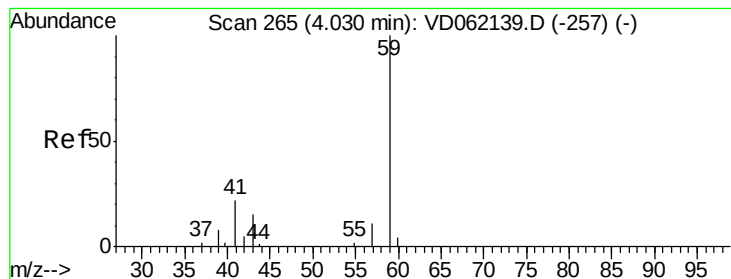
200

0

Time-->

2.14 2.16 2.18



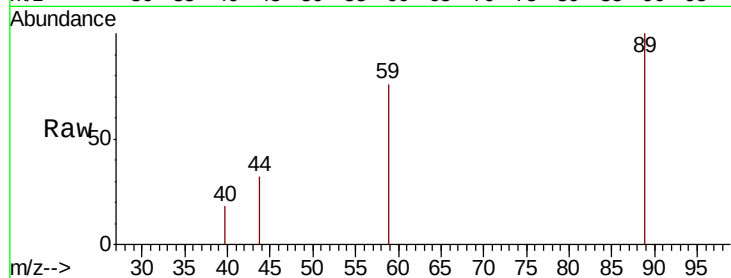


#11

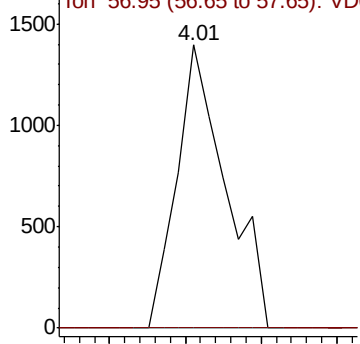
Tert butyl alcohol
 Concen: 83.477 ug/l
 RT: 4.01 min Scan# 262
 Delta R.T. -0.02 min
 Lab File: VD062378.D
 Acq: 15 May 2019 7:14

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200050

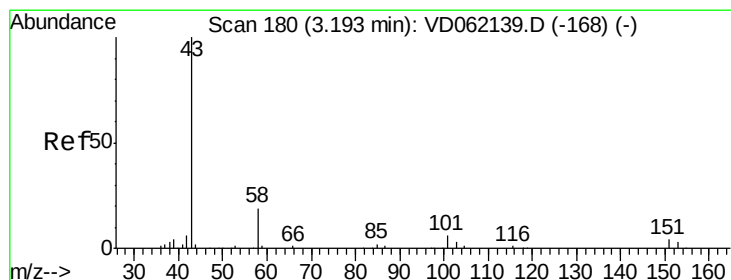
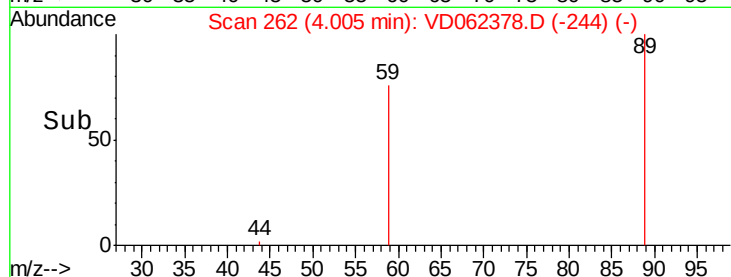
Tot Ion: 59 Resp: 3142
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



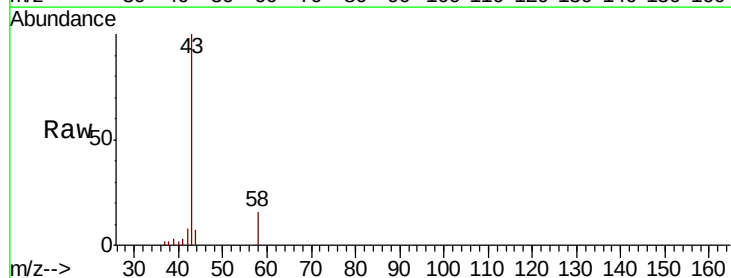
Time-->



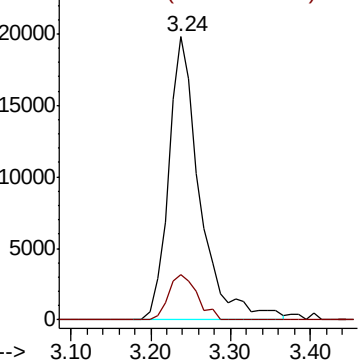
#16

Acetone
 Concen: 350.719 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.04 min
 Lab File: VD062378.D
 Acq: 15 May 2019 7:14

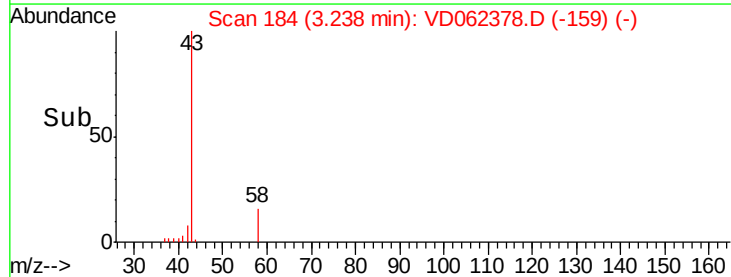
Tgt Ion: 43 Resp: 54234
 Ion Ratio Lower Upper
 43 100
 58 16.2 19.9 29.9#

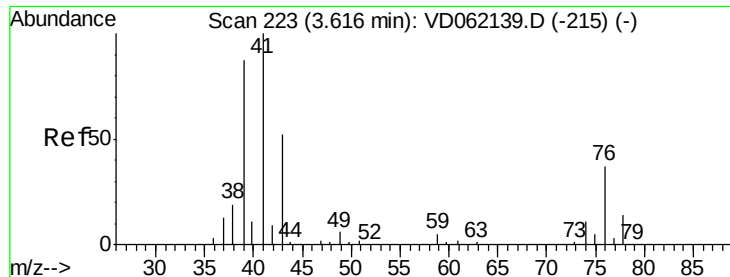


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC



Time-->

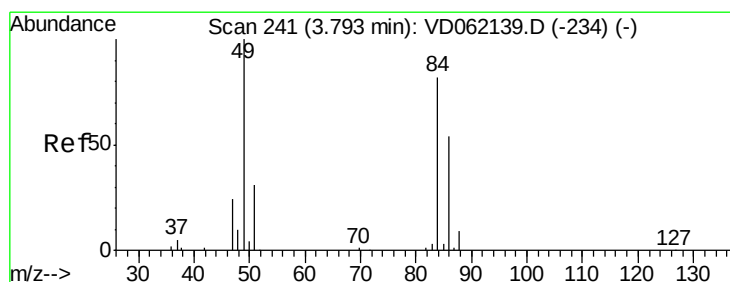
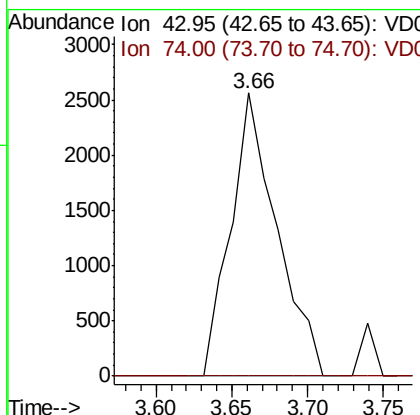
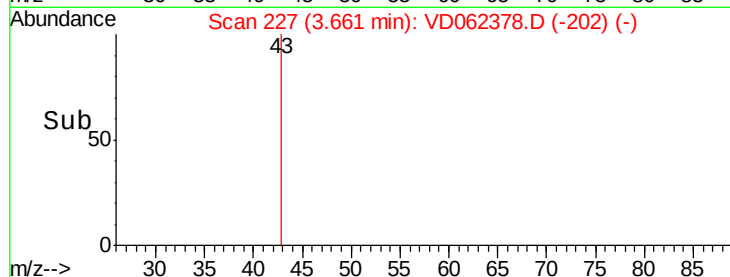
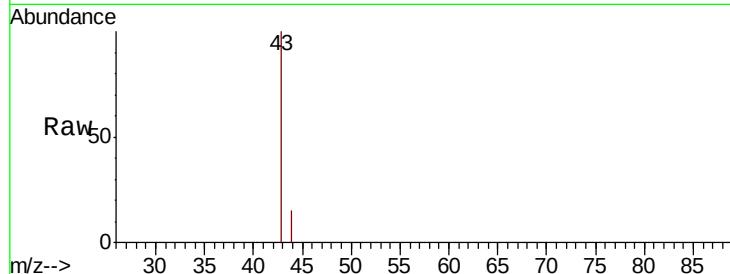




#18
Methyl Acetate
Concen: 19.299 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD062378.D
Acq: 15 May 2019 7:14

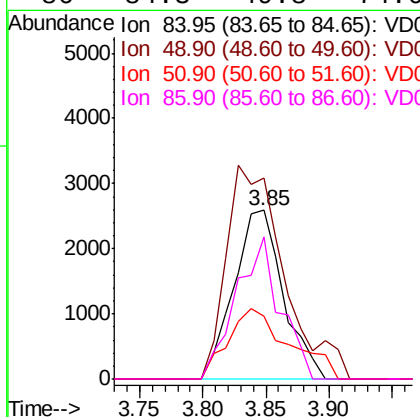
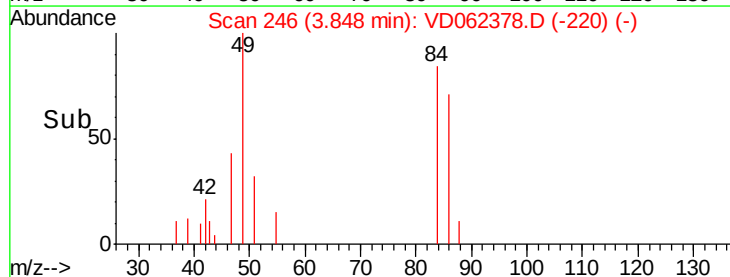
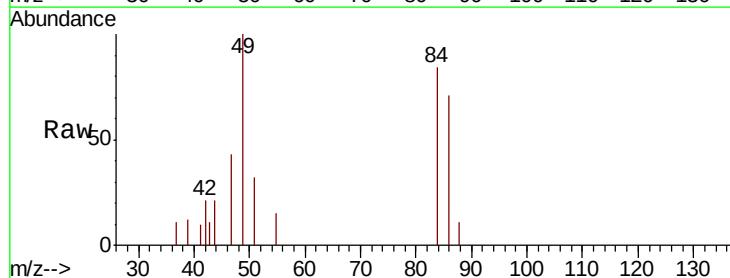
Instrument :
MSVOA_D
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RBR-200050

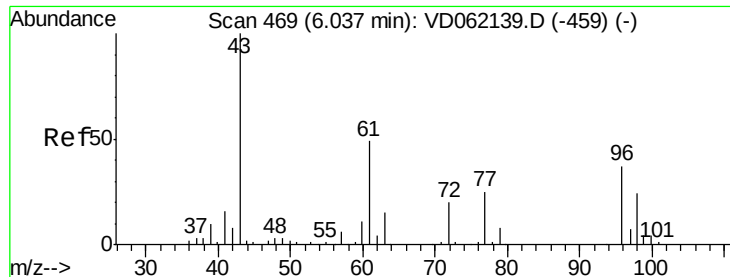
Tot Ion: 43 Resp: 5389
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 10.849 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.05 min
Lab File: VD062378.D
Acq: 15 May 2019 7:14

Tgt Ion: 84 Resp: 7005
Ion Ratio Lower Upper
84 100
49 119.0 94.0 141.0
51 37.5 29.0 43.4
86 84.3 49.8 74.6#





#25

2-Butanone

Concen: 1.292 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062378.D

Acq: 15 May 2019 7:14

Instrument :

MSVOA_D

ClientSampleId :

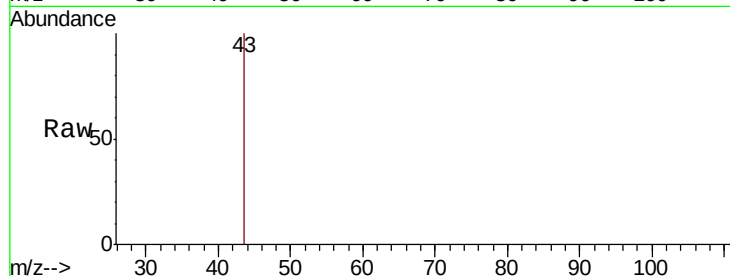
RBR-200050

Tot Ion: 43 Resp: 218

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

6.08

400

300

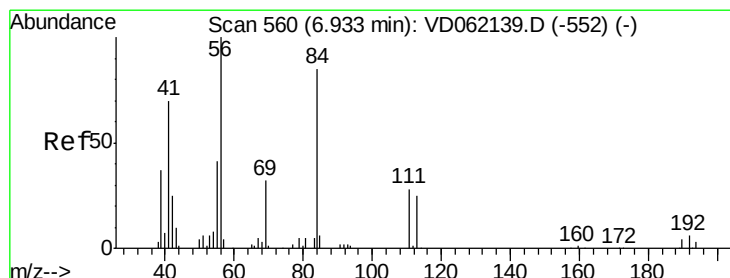
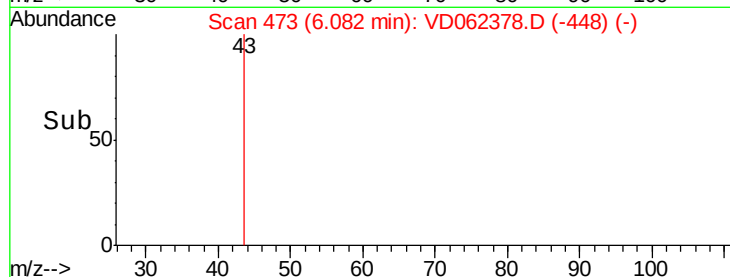
200

100

0

6.06 6.08 6.10

Time-->



#31

Cyclohexane

Concen: 2.045 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062378.D

Acq: 15 May 2019 7:14

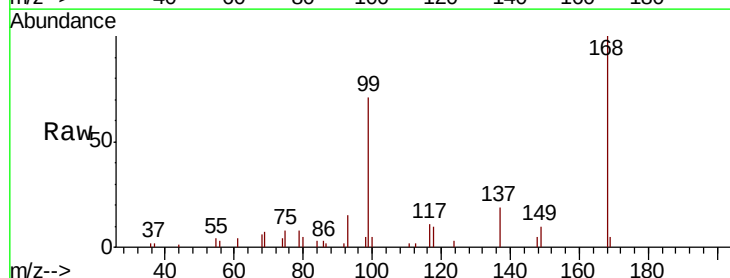
Tgt Ion: 56 Resp: 1582

Ion Ratio Lower Upper

56 100

69 204.9 25.8 38.6#

84 86.5 72.2 108.4



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

2000

1500

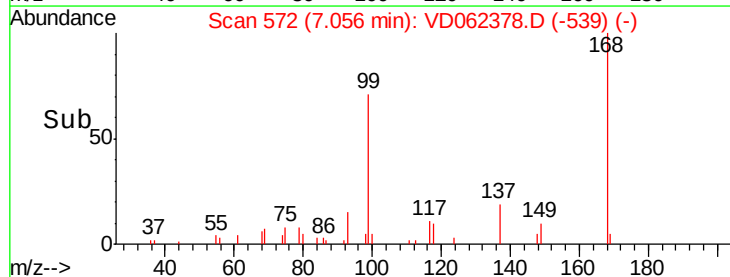
1000

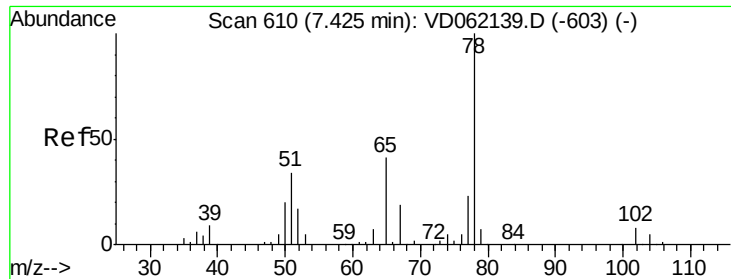
500

0

7.00 7.05 7.10

Time-->

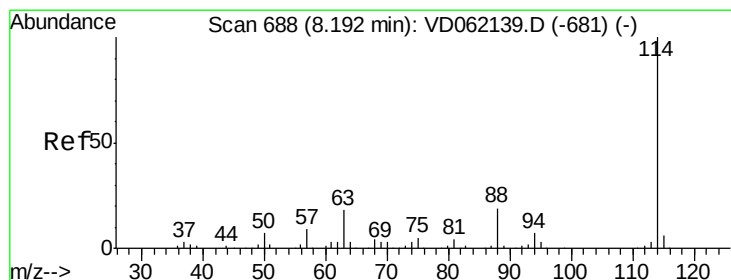
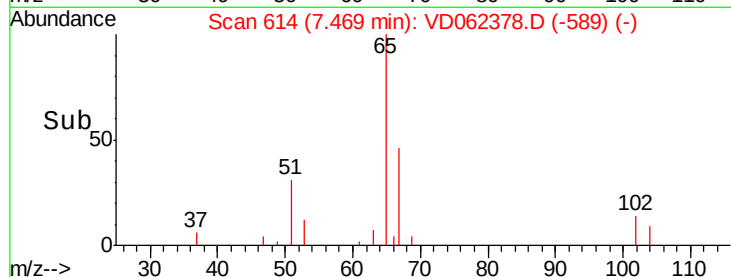
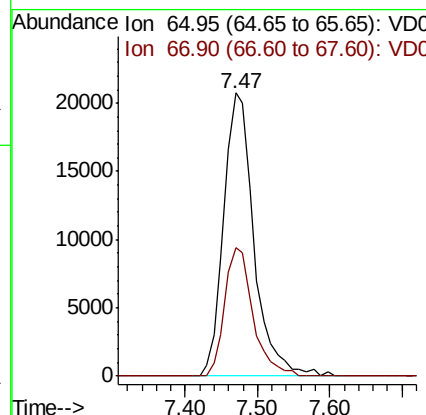
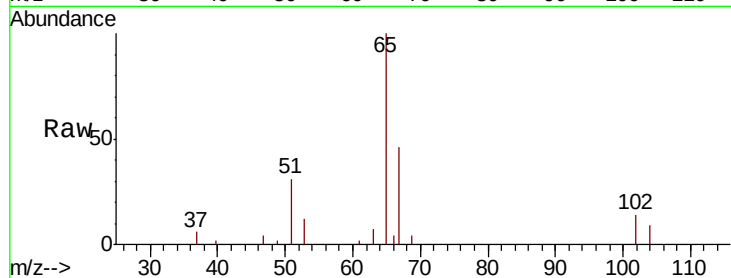




#33
 1,2-Dichloroethane-d4
 Concen: 81.552 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062378.D
 Acq: 15 May 2019 7:14

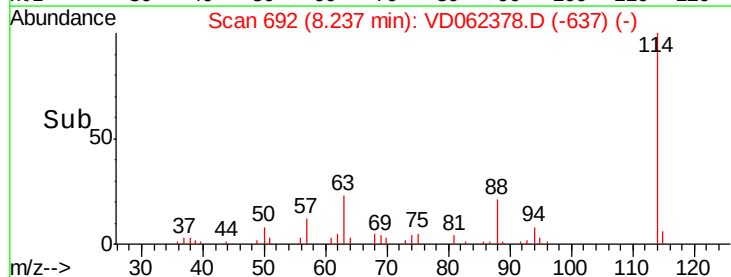
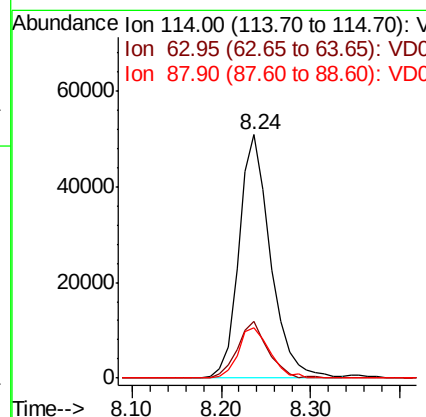
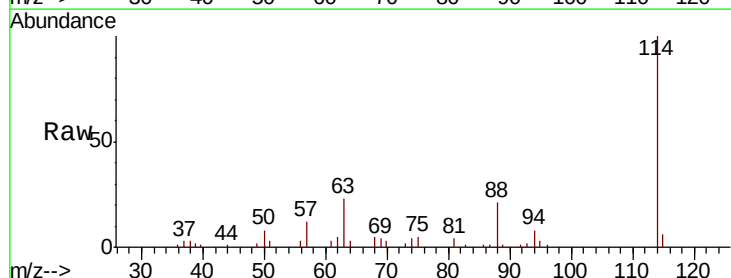
Instrument :
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 RBR-200050

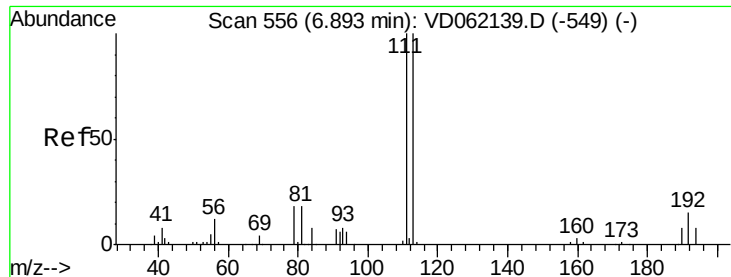
Tot Ion: 65 Resp: 60135
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062378.D
 Acq: 15 May 2019 7:14

Tgt Ion: 114 Resp: 125333
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 32.4
 88 20.6 0.0 33.6

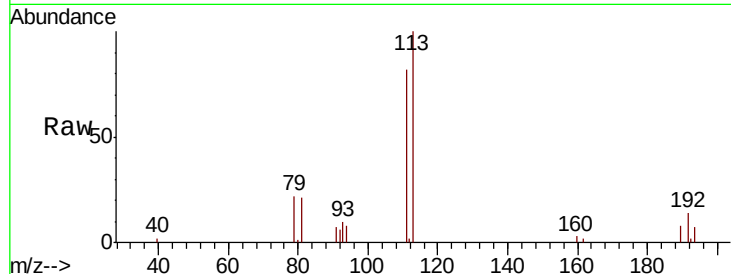




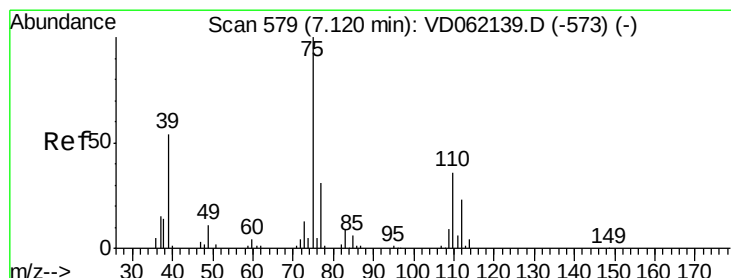
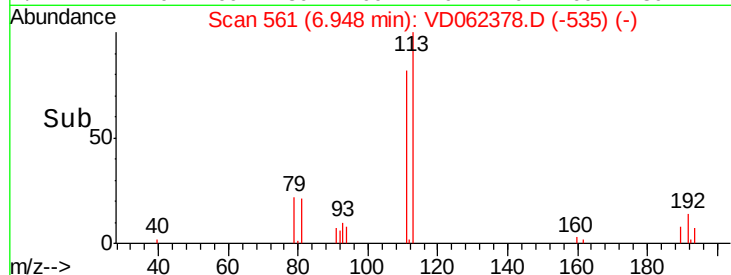
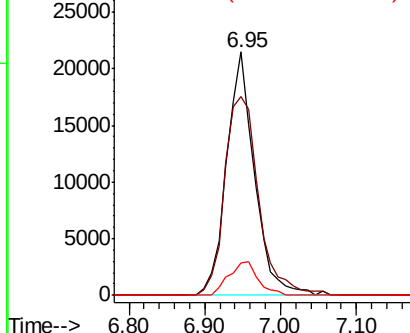
#35
 Dibromofluoromethane
 Concen: 52.802 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062378.D
 Acq: 15 May 2019 7:14

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200050

Tot Ion:113 Resp: 54909
 Ion Ratio Lower Upper
 113 100
 111 81.9 78.5 117.7
 192 15.1 13.0 19.4

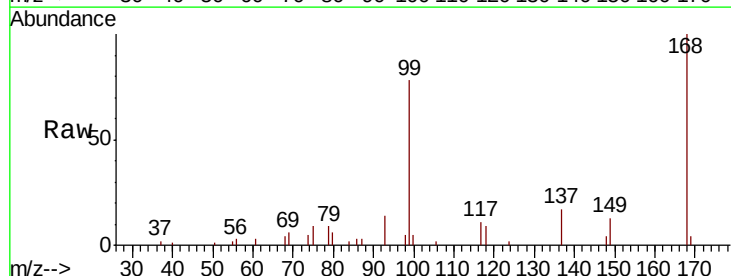


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

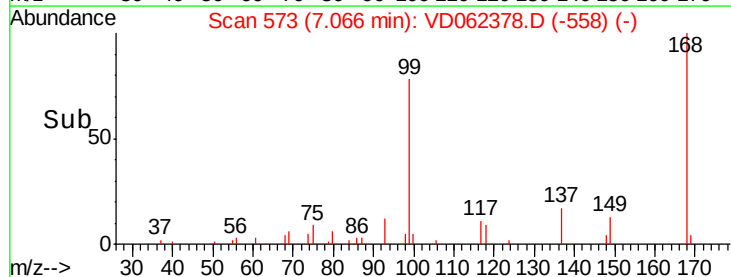
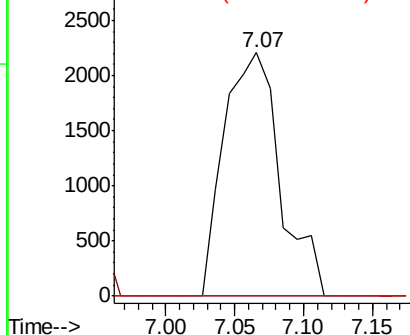


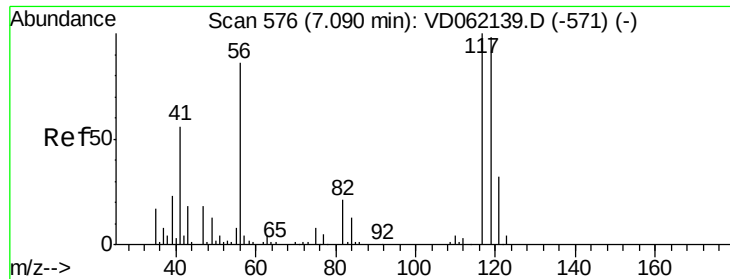
#36
 1,1-Dichloropropene
 Concen: 6.084 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD062378.D
 Acq: 15 May 2019 7:14

Tgt Ion: 75 Resp: 6252
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.1 57.1#
 77 0.0 25.6 38.4#



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

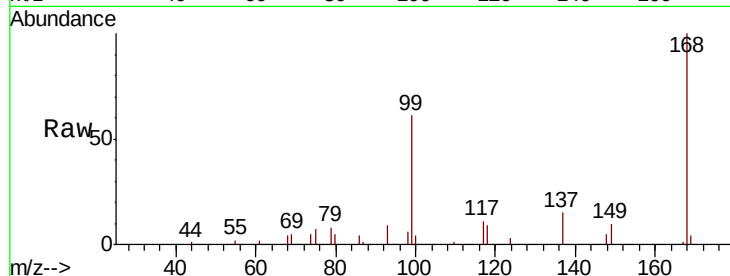




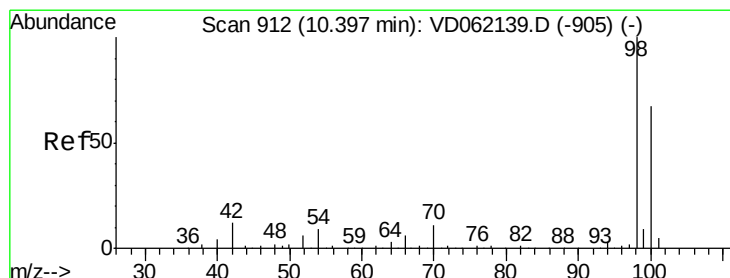
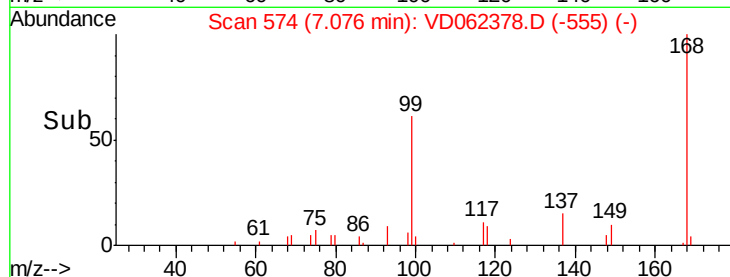
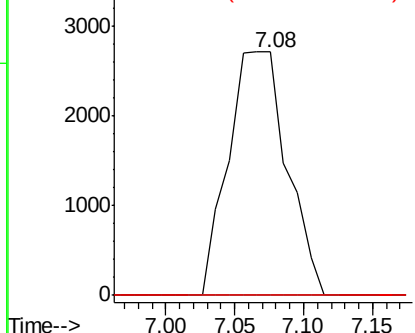
#38
Carbon Tetrachloride
Concen: 5.649 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.01 min
Lab File: VD062378.D
Acq: 15 May 2019 7:14

Instrument :
MSVOA_D
ClientSampleId :
RBR-200050

Tot Ion:117 Resp: 8034
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

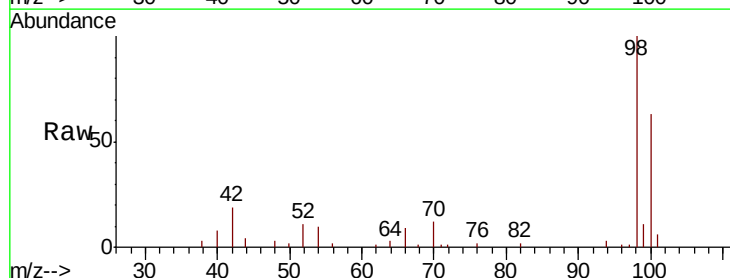


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

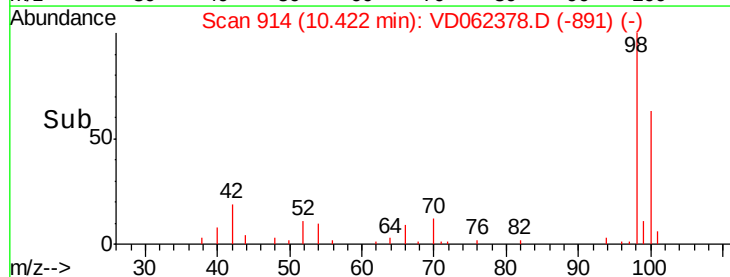
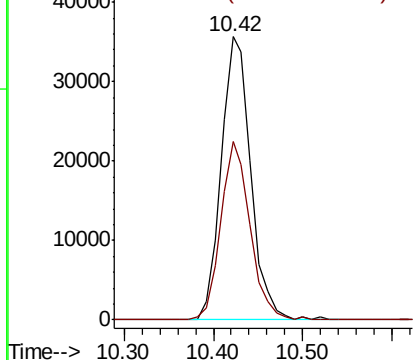


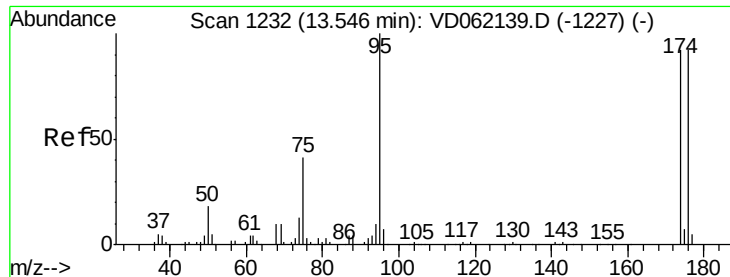
#50
Toluene-d8
Concen: 32.985 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062378.D
Acq: 15 May 2019 7:14

Tgt Ion: 98 Resp: 82703
Ion Ratio Lower Upper
98 100
100 63.2 53.8 80.8



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





#62

4-Bromofluorobenzene

Concen: 44.013 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062378.D

Acq: 15 May 2019 7:14

Instrument :

MSVOA_D

ClientSampleId :

RBR-200050

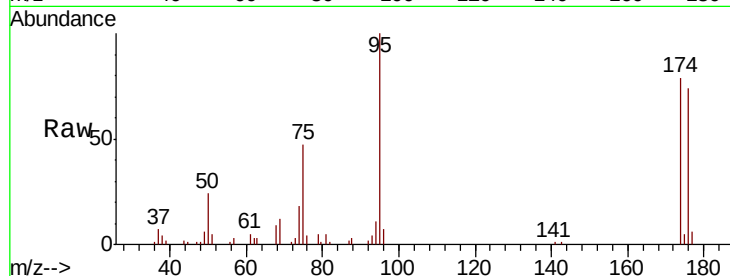
Tot Ion: 95 Resp: 44314

Ion Ratio Lower Upper

95 100

174 79.3 0.0 181.8

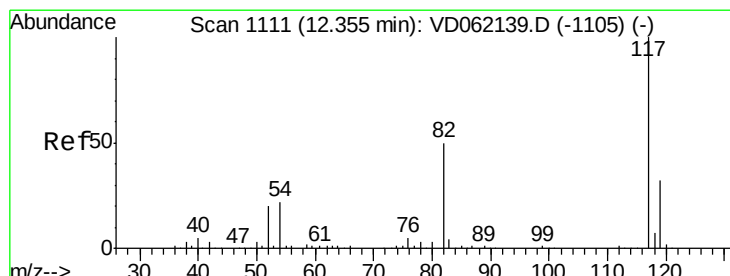
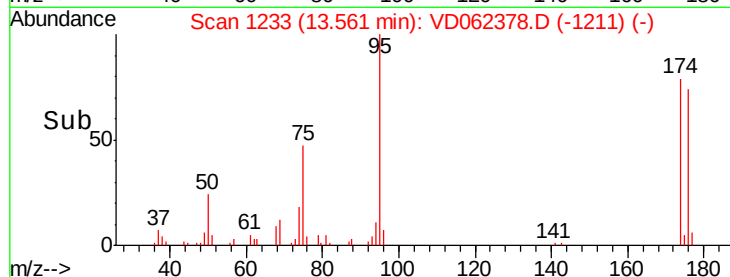
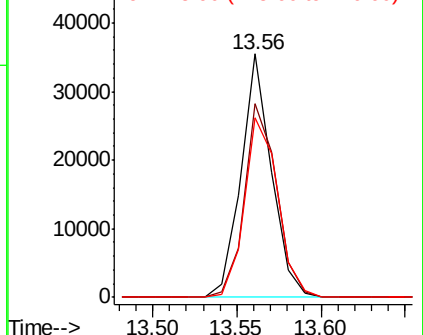
176 73.7 0.0 174.4



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# 1113

Delta R.T. 0.02 min

Lab File: VD062378.D

Acq: 15 May 2019 7:14

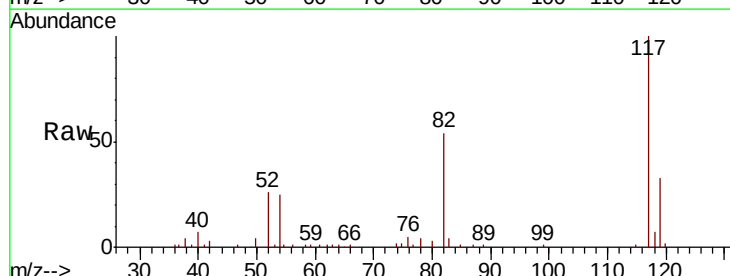
Tgt Ion: 117 Resp: 113117

Ion Ratio Lower Upper

117 100

82 54.0 36.2 54.2

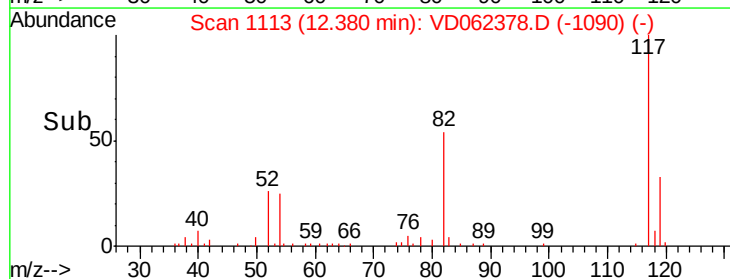
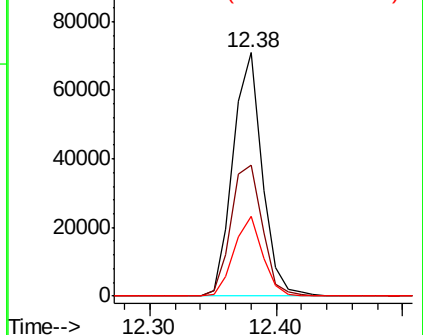
119 33.0 26.2 39.4

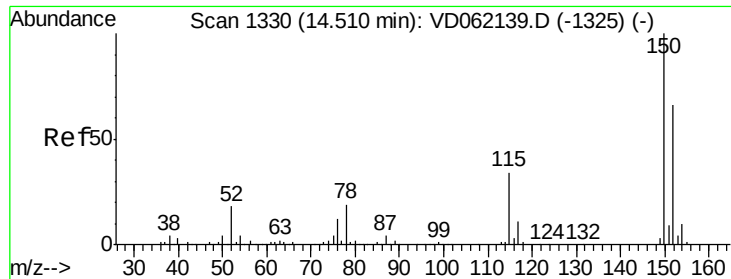


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062378.D

Acq: 15 May 2019 7:14

Instrument :

MSVOA_D

ClientSampleId :

RBR-200050

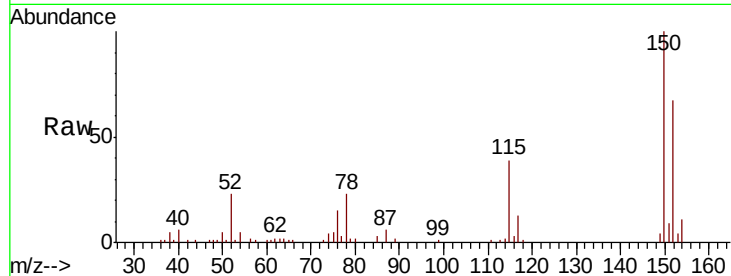
Tot Ion:152 Resp: 63364

Ion Ratio Lower Upper

152 100

115 58.4 30.9 92.7

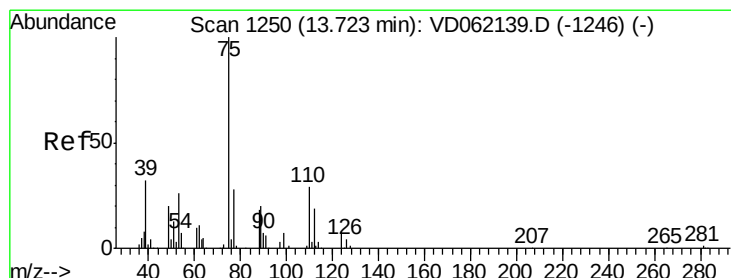
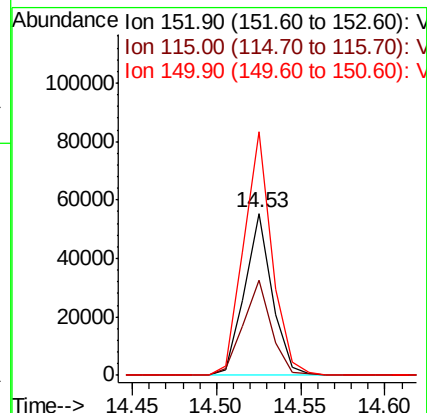
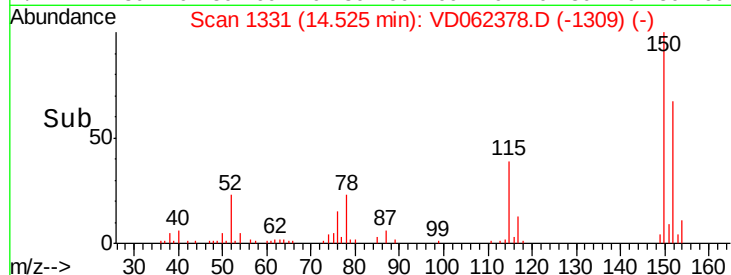
150 150.3 0.0 314.8



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: 28.047 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062378.D

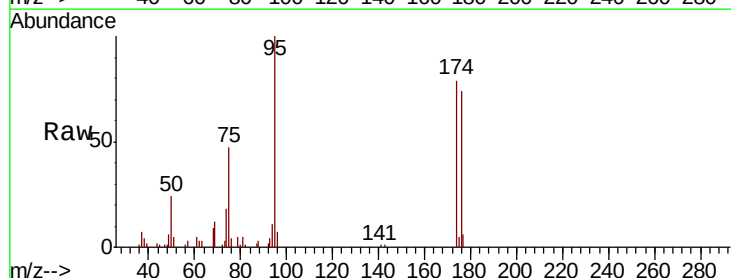
Acq: 15 May 2019 7:14

Tgt Ion: 75 Resp: 21120

Ion Ratio Lower Upper

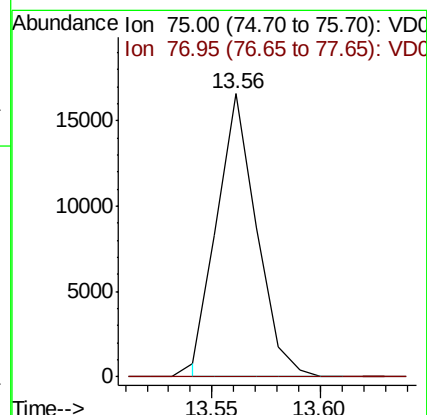
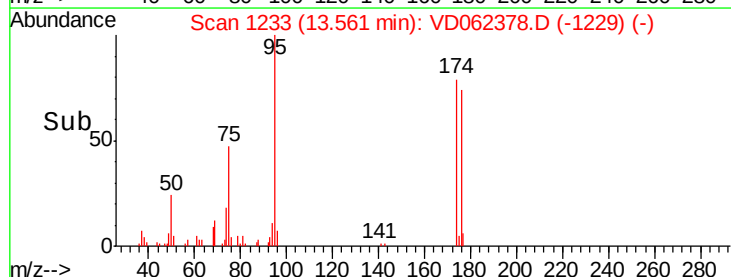
75 100

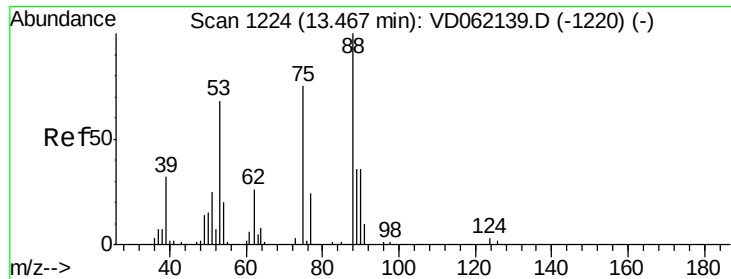
77 0.0 16.4 49.4#



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: 101.588 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062378.D

Acq: 15 May 2019 7:14

Instrument :

MSVOA_D

ClientSampleId :

RBR-200050

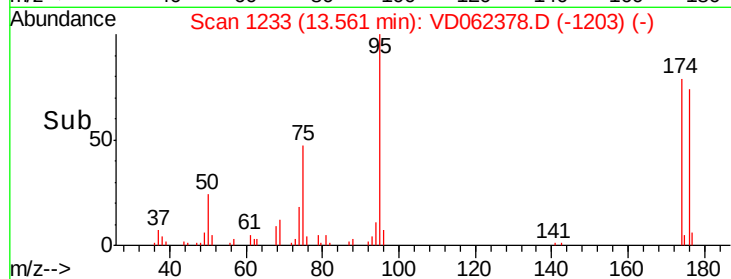
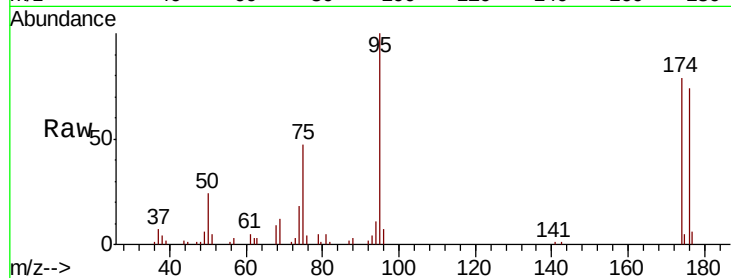
Tot Ion: 75 Resp: 21596

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

