

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067019.D
 Acq On : 02 Oct 2020 04:42
 Operator : VA/SY
 Sample : L4196-01
 Misc : 4.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251609

Quant Time: Oct 02 06:04:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	421587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	713032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	658323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	235385	57.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.94%	
35) Dibromofluoromethane	7.91	113	237665	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.34	98	849578	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.63	95	273818	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

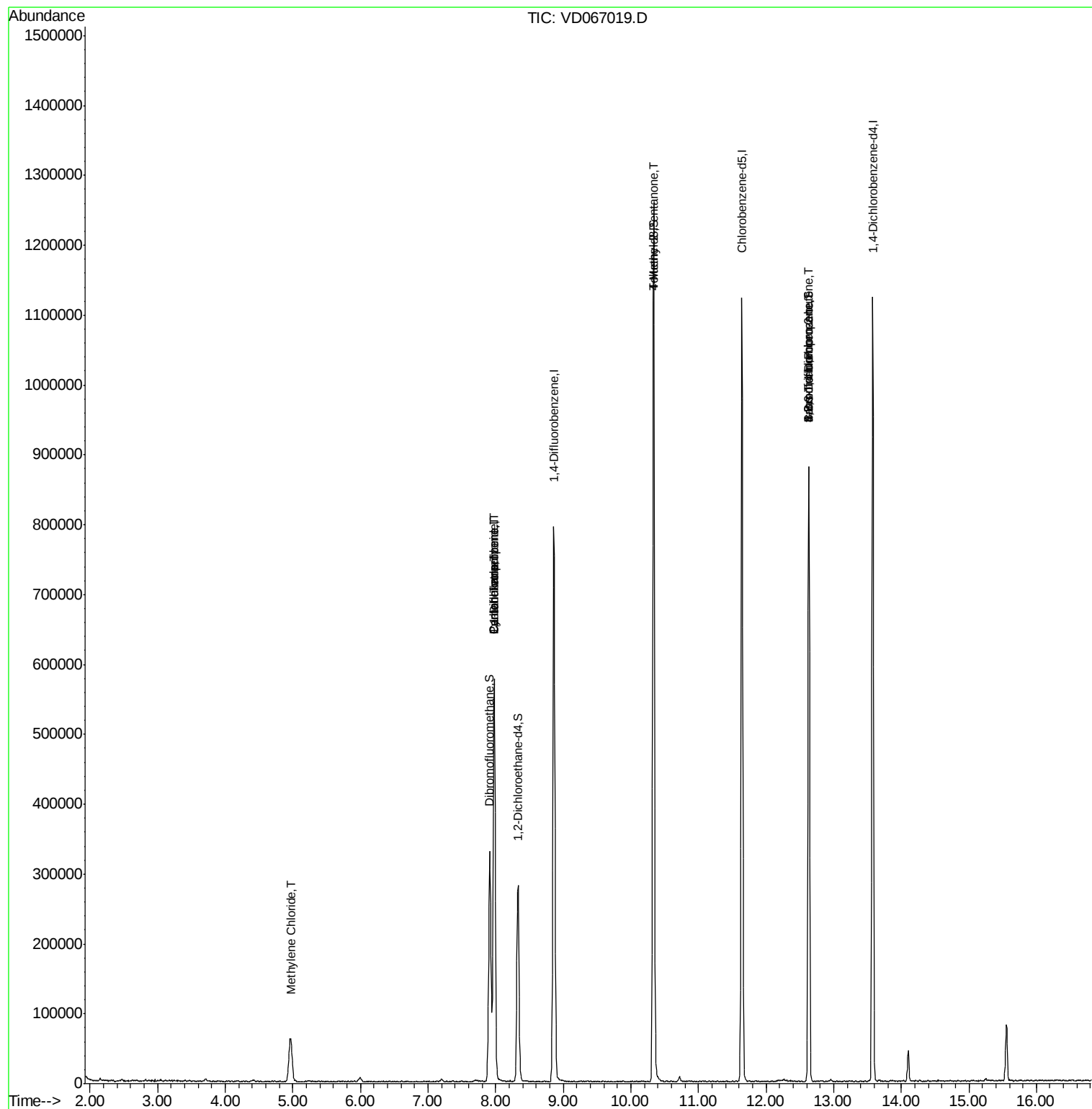
						Qvalue
2) Dichlorodifluoromethane	1.99	85	209	Below Cal	#	40
5) Bromomethane	2.77	94	219	Below Cal	#	76
11) Tert butyl alcohol	5.23	59	249	Below Cal	#	72
20) Methylene Chloride	4.97	84	54293	5.931	ug/l	95
26) 2,2-Dichloropropane	7.21	77	82	Below Cal	#	53
31) Cyclohexane	7.98	56	7923	1.299	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	31478	4.736	ug/l #	50
38) Carbon Tetrachloride	7.98	117	42619	5.927	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	3157	1.494	ug/l #	1
71) Bromoform	12.63	173	2728	1.055	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	139651	53.848	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	139651	134.251	ug/l #	12

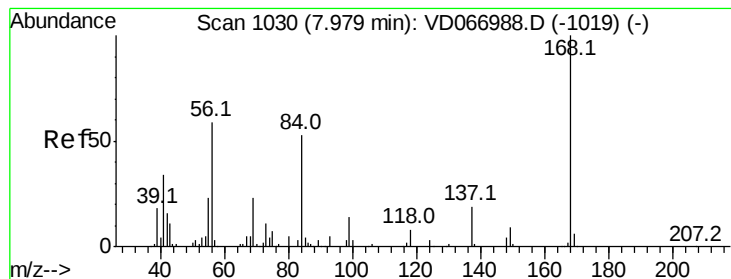
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
Data File : VD067019.D
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Quant Time: Oct 02 06:04:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

Instrument :

MSVOA_D

ClientSampleId :

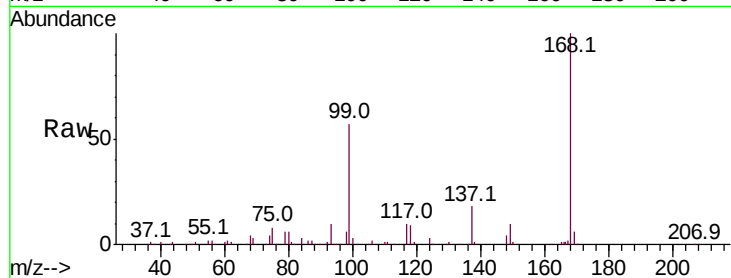
RBR-251609

Tot Ion:168 Resp: 421587

Ion Ratio Lower Upper

168 100

99 56.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

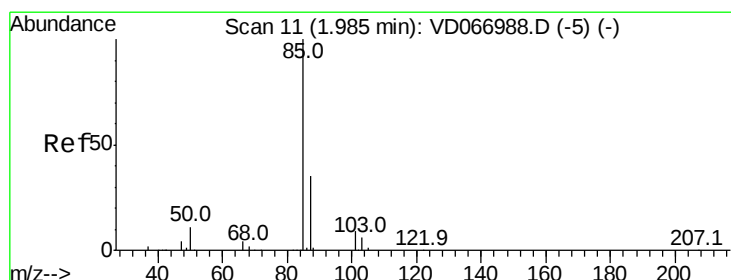
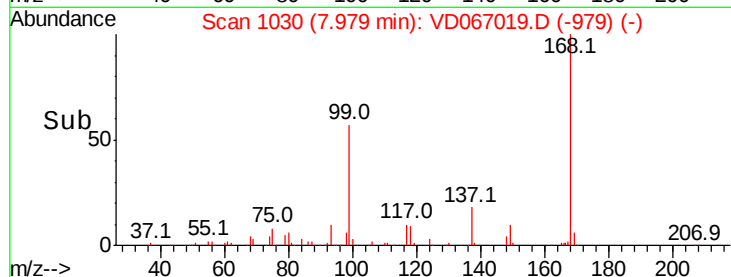
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067019.D

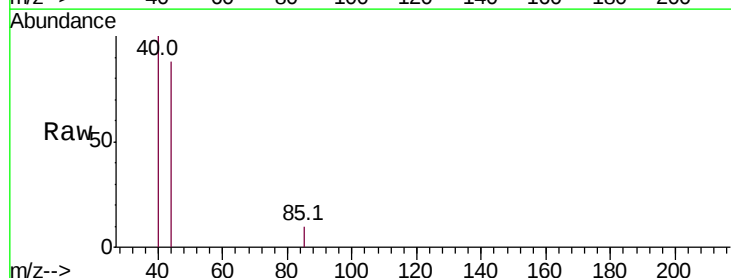
Acq: 02 Oct 2020 04:42

Tgt Ion: 85 Resp: 209

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

300

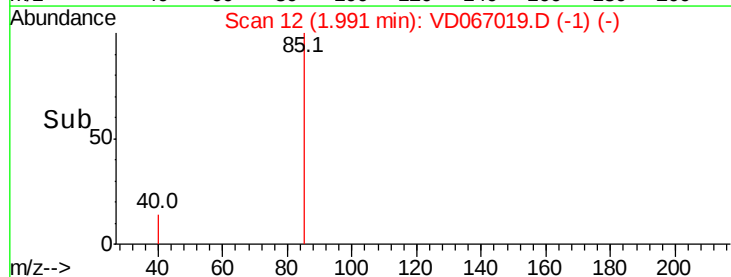
200

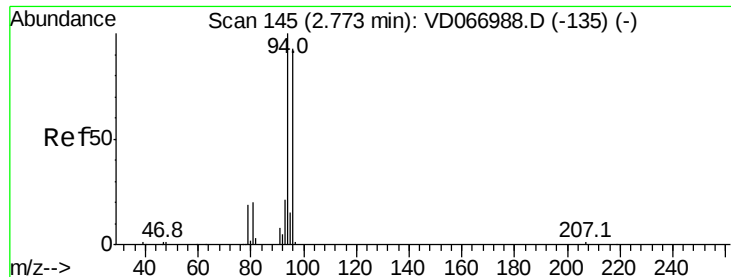
100

0

1.96 1.98 2.00

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

Instrument :

MSVOA_D

ClientSampleId :

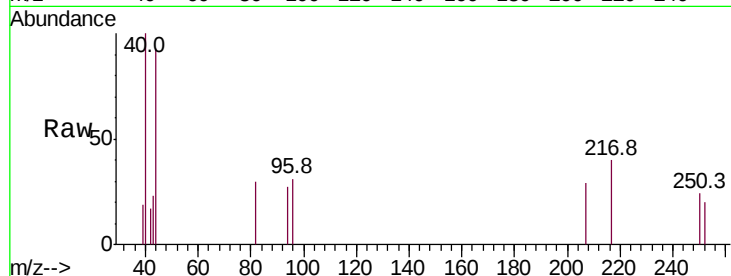
RBR-251609

Tot Ion: 94 Resp: 219

Ion Ratio Lower Upper

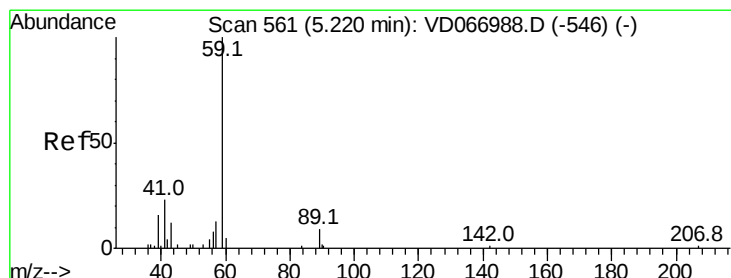
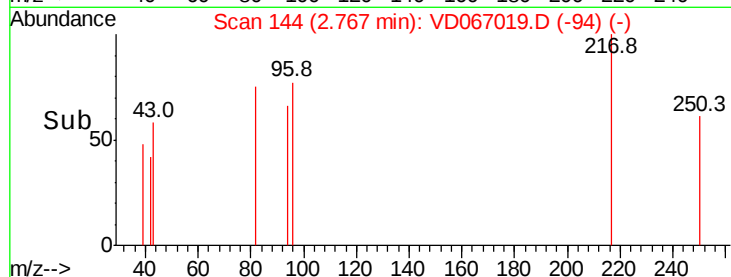
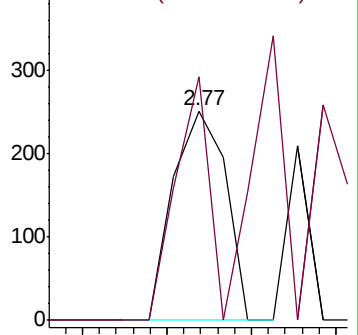
94 100

96 116.7 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD067019.D

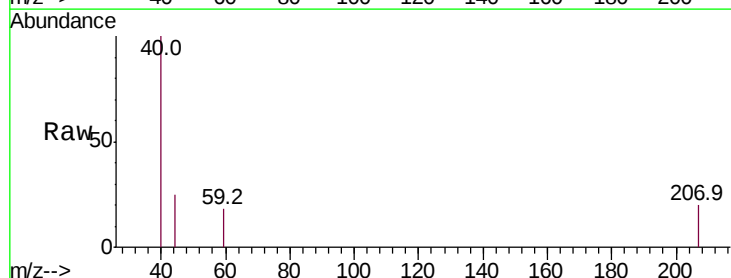
Acq: 02 Oct 2020 04:42

Tgt Ion: 59 Resp: 249

Ion Ratio Lower Upper

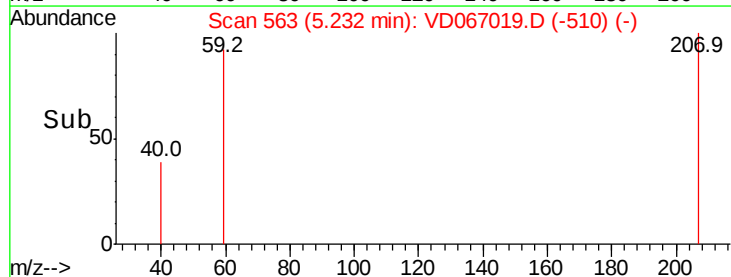
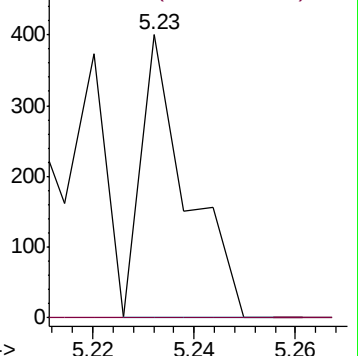
59 100

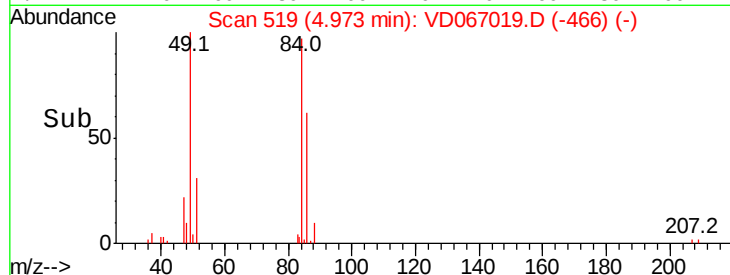
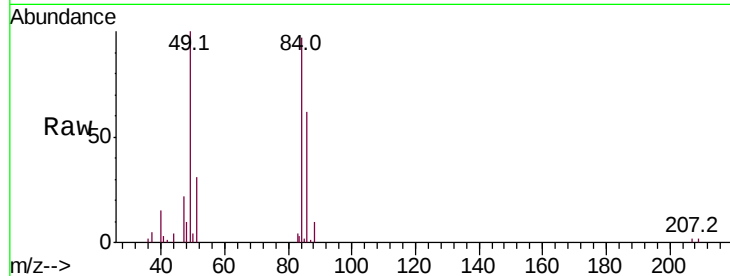
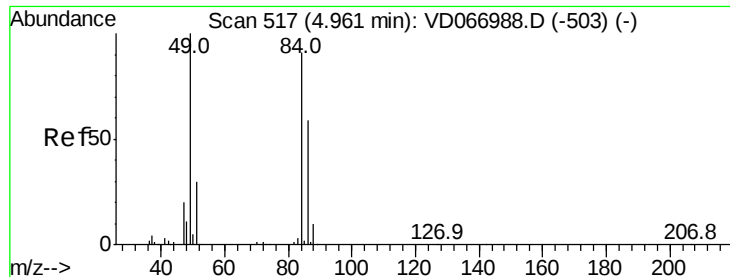
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

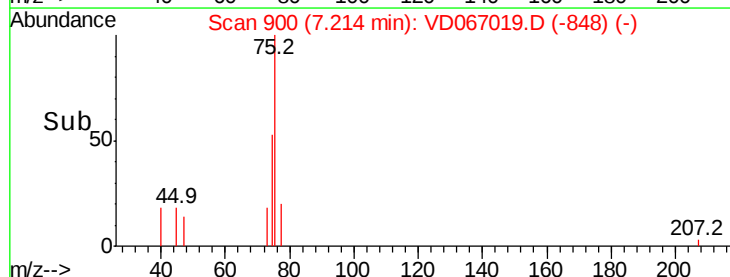
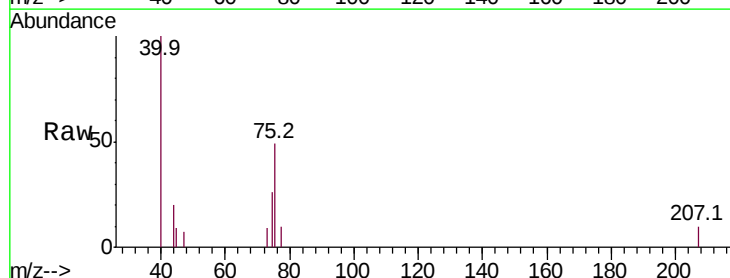
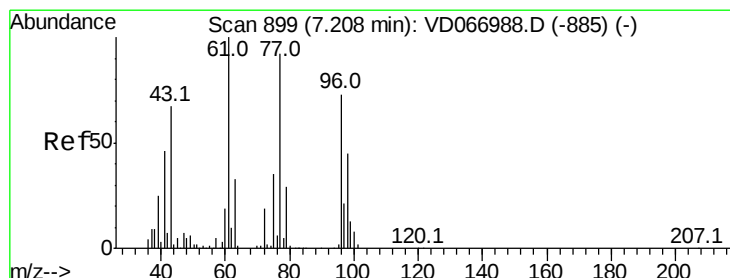
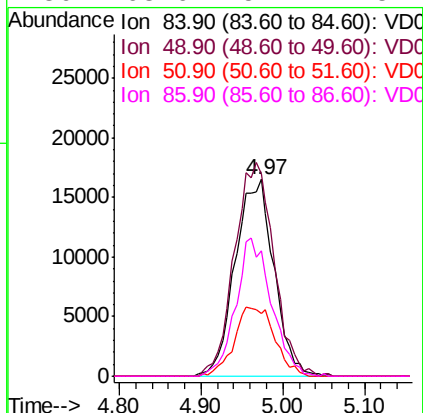




#20
Methvlene Chloride
Concen: 5.931 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067019.D
Acq: 02 Oct 2020 04:42

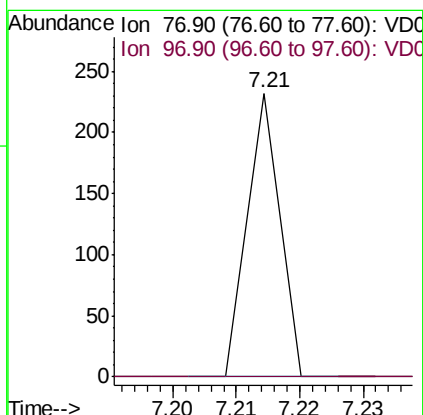
Instrument :
MSVOA_D
ClientSampleId :
RBR-251609

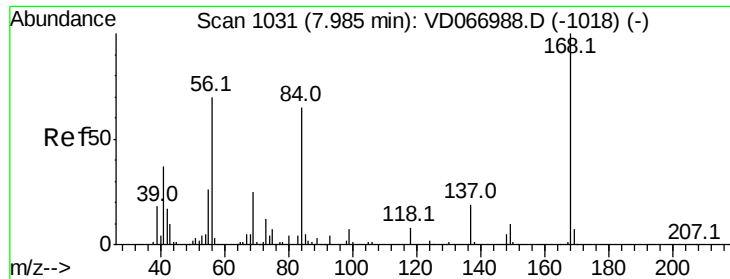
Tot Ion:	84	Resp:	54293
Ion	Ratio	Lower	Upper
84	100		
49	102.7	88.2	132.2
51	32.2	26.6	39.8
86	63.6	52.1	78.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067019.D
Acq: 02 Oct 2020 04:42

Tgt Ion:	77	Resp:	82
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.4	34.2#

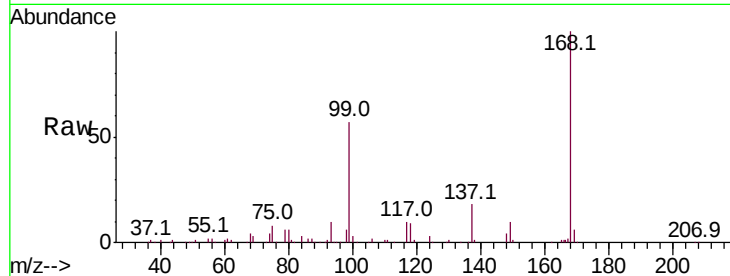




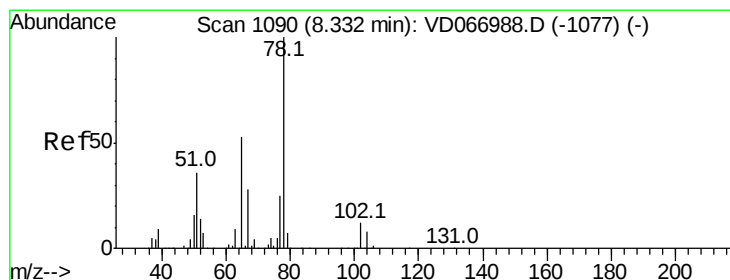
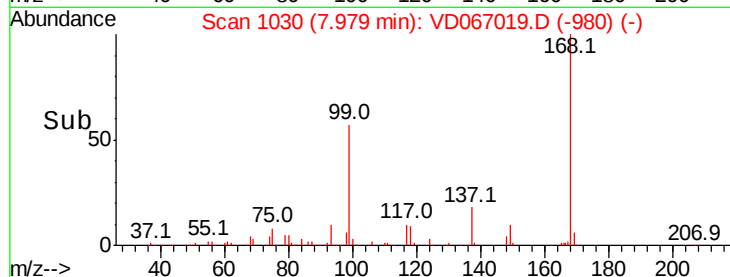
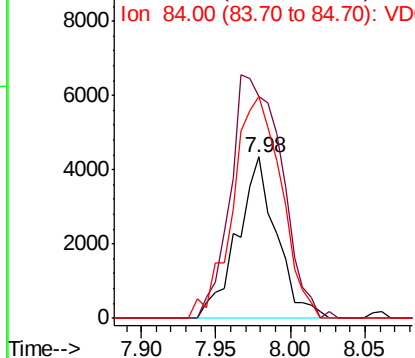
#31
Cyclohexane
Concen: 1.299 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067019.D
Acq: 02 Oct 2020 04:42

Instrument :
MSVOA_D
ClientSampleId :
RBR-251609

Tot Ion: 56 Resp: 7923
Ion Ratio Lower Upper
56 100
69 137.3 29.0 43.6#
84 137.6 74.2 111.2#

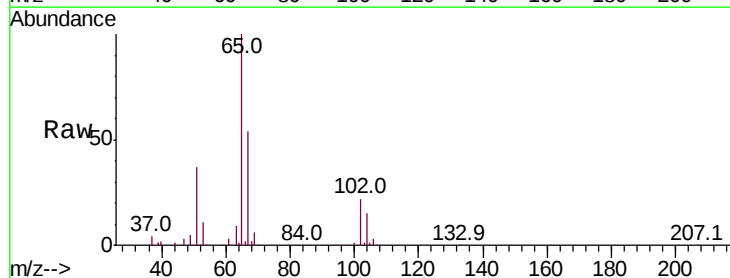


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

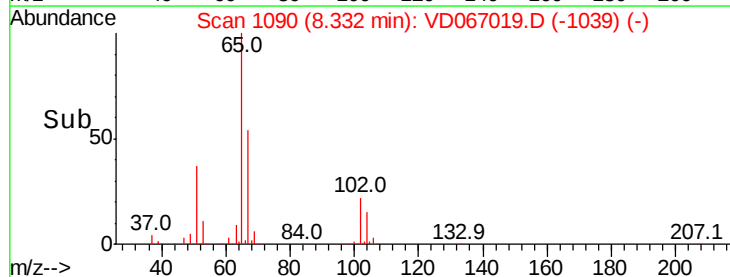
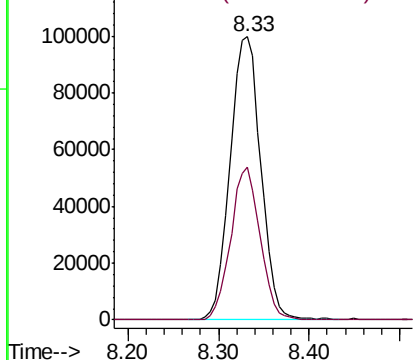


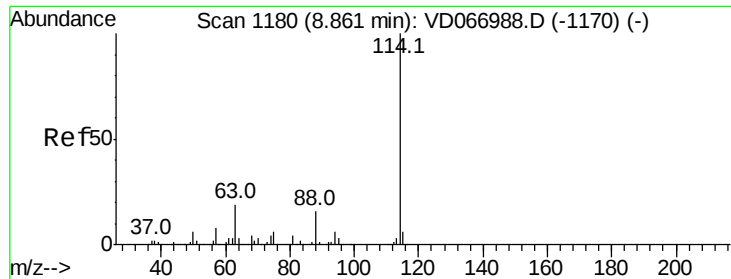
#33
1,2-Dichloroethane-d4
Concen: 57.967 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067019.D
Acq: 02 Oct 2020 04:42

Tgt Ion: 65 Resp: 235385
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

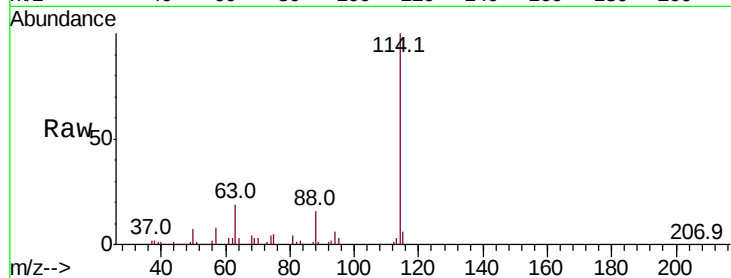




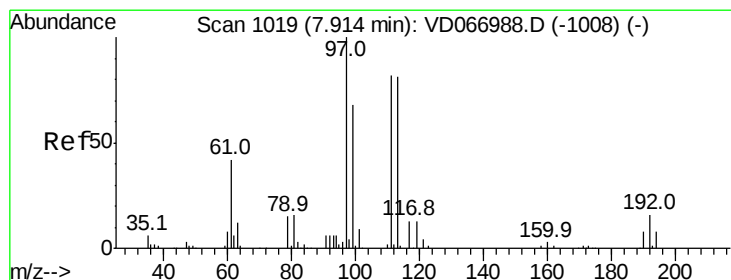
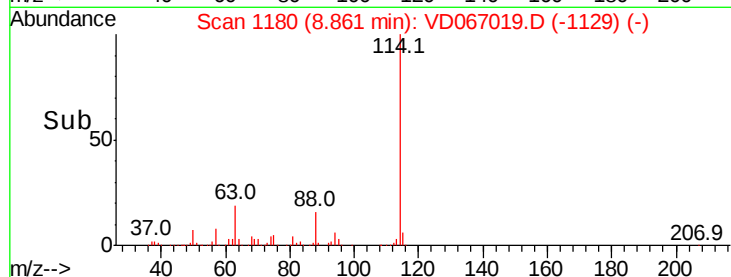
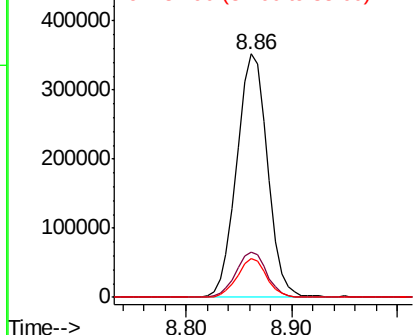
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067019.D
 Acq: 02 Oct 2020 04:42

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251609

Tot Ion:114 Resp: 713032
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 15.9 0.0 31.2

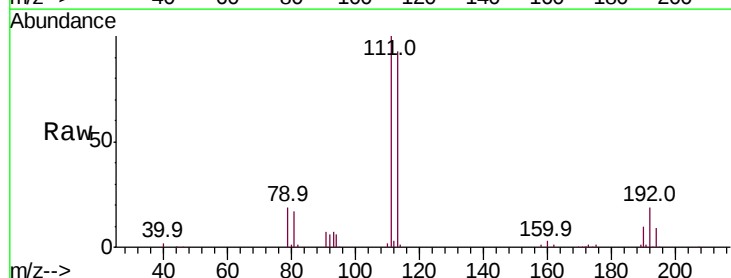


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

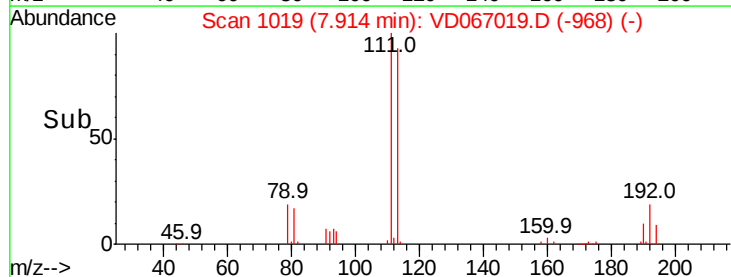
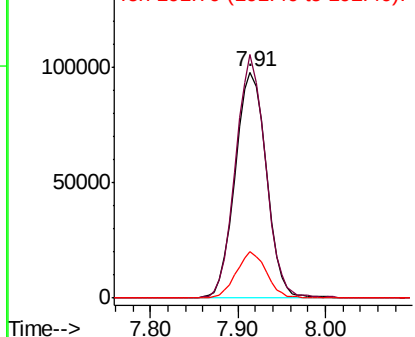


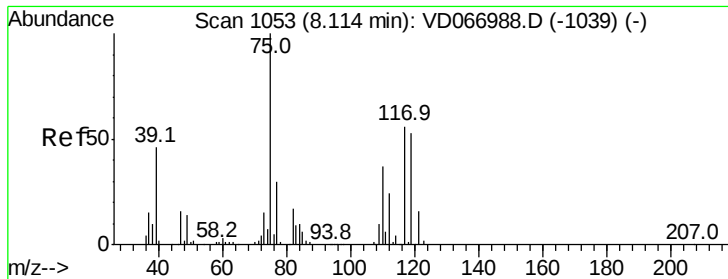
#35
 Dibromofluoromethane
 Concen: 50.913 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067019.D
 Acq: 02 Oct 2020 04:42

Tgt Ion:113 Resp: 237665
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.0 124.4
 192 19.7 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.736 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

Instrument :

MSVOA_D

ClientSampleId :

RBR-251609

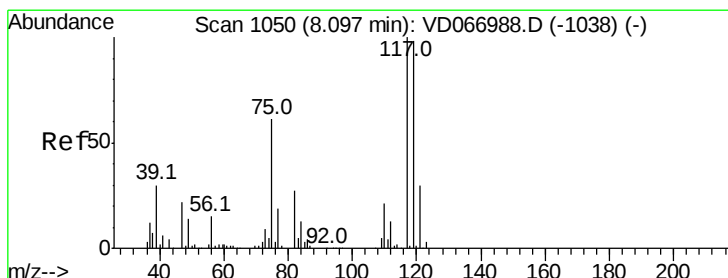
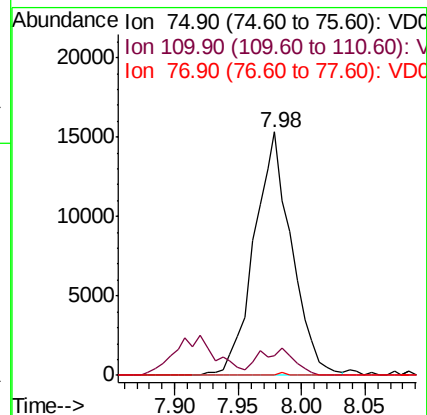
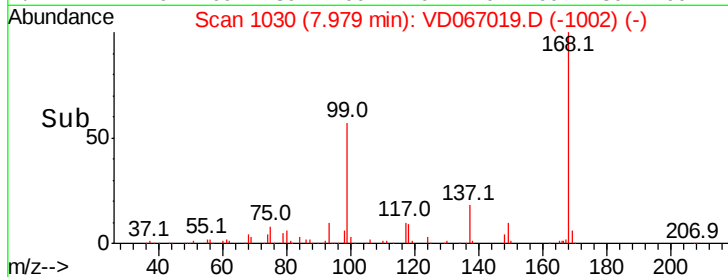
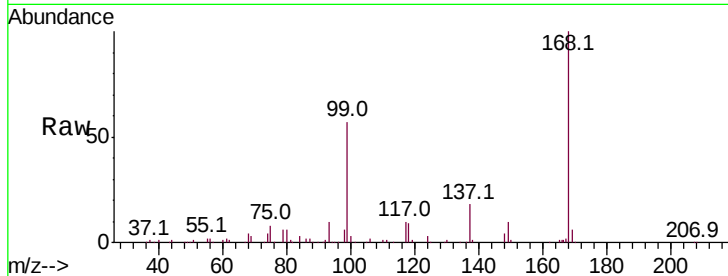
Tot Ion: 75 Resp: 31478

Ion Ratio Lower Upper

75 100

110 10.2 18.4 55.0#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.927 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

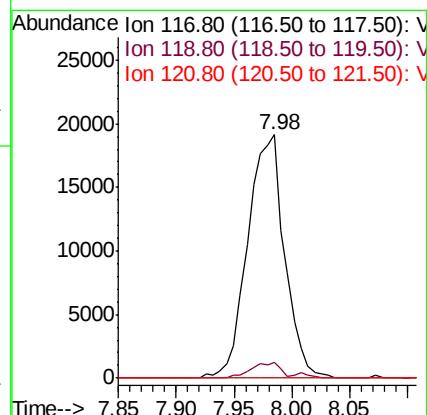
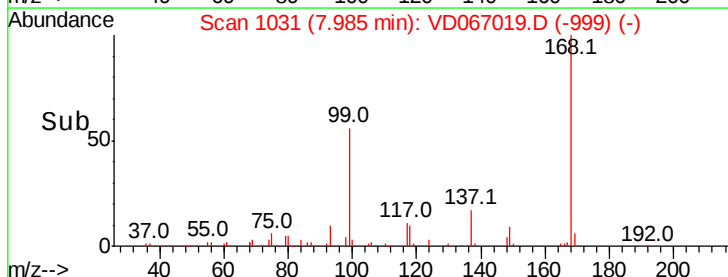
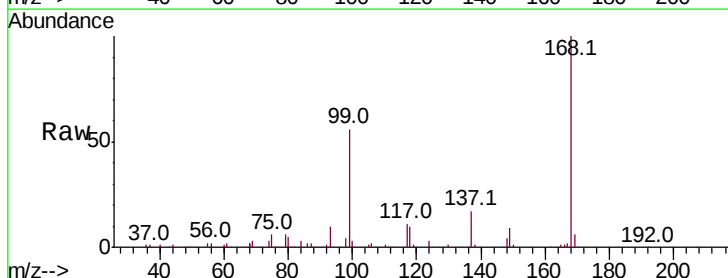
Tgt Ion: 117 Resp: 42619

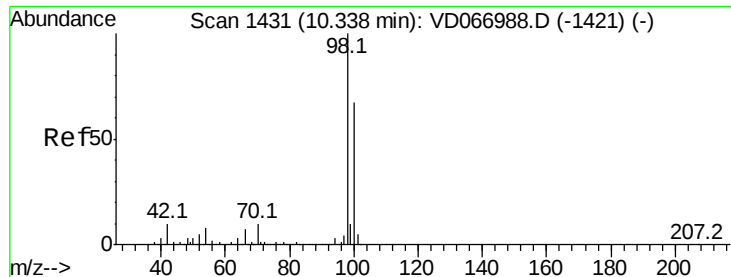
Ion Ratio Lower Upper

117 100

119 6.2 78.7 118.1#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 49.946 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

Instrument :

MSVOA_D

ClientSampleId :

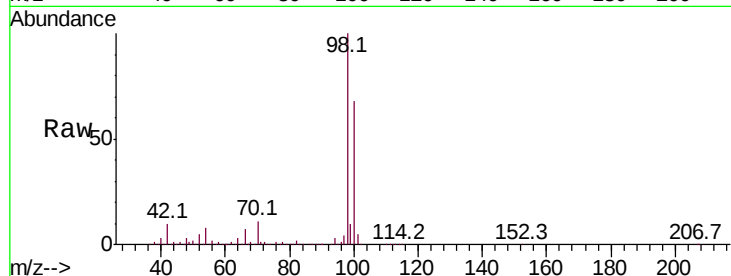
RBR-251609

Tot Ion: 98 Resp: 849578

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

300000

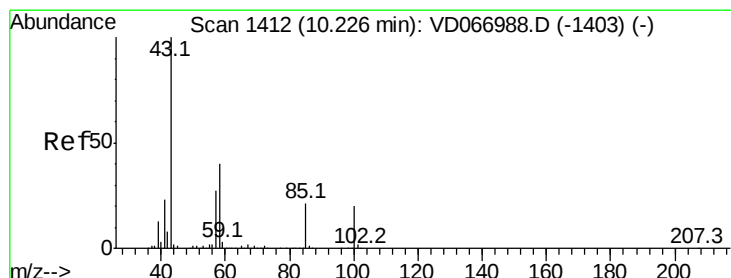
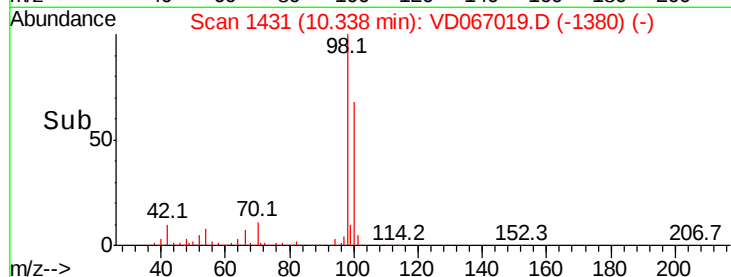
200000

100000

0

Time-->

10.20 10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 1.494 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067019.D

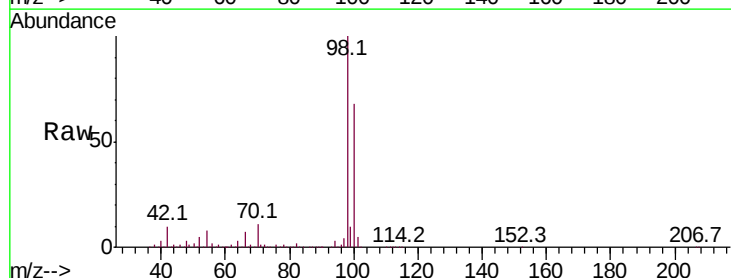
Acq: 02 Oct 2020 04:42

Tgt Ion: 43 Resp: 3157

Ion Ratio Lower Upper

43 100

58 201.0 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4000

3000

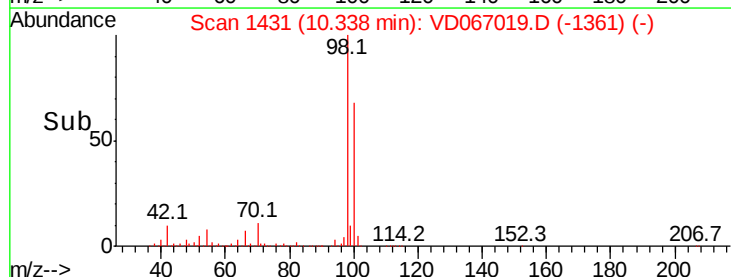
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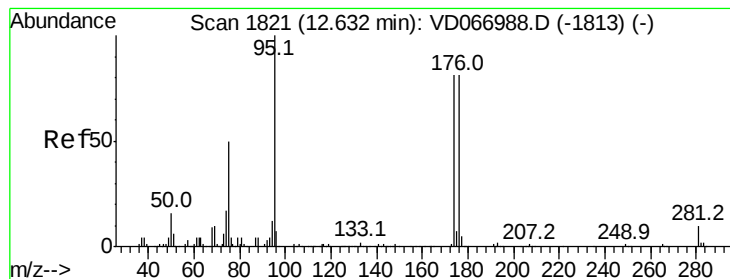
1000

0

Time-->

10.30 10.35 10.40





#62

4-Bromofluorobenzene

Concen: 47.419 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

Instrument :

MSVOA_D

ClientSampleId :

RBR-251609

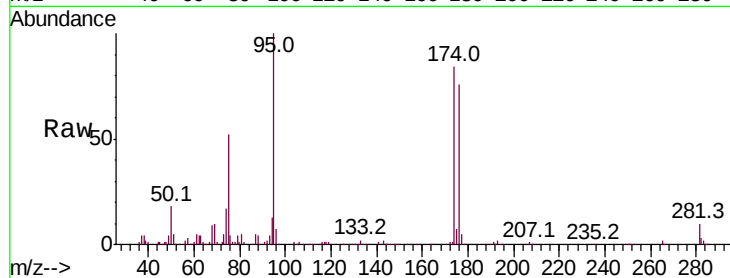
Tot Ion: 95 Resp: 273818

Ion Ratio Lower Upper

95 100

174 85.9 0.0 167.6

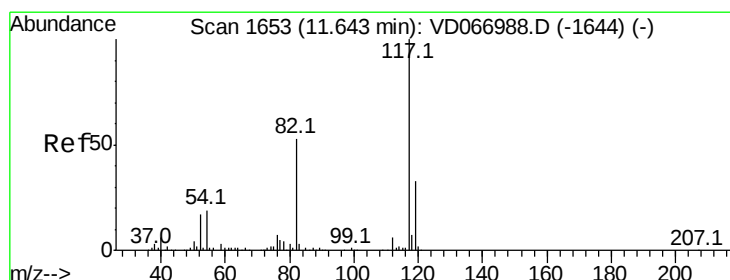
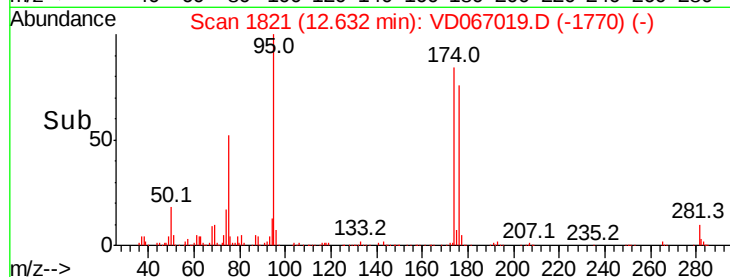
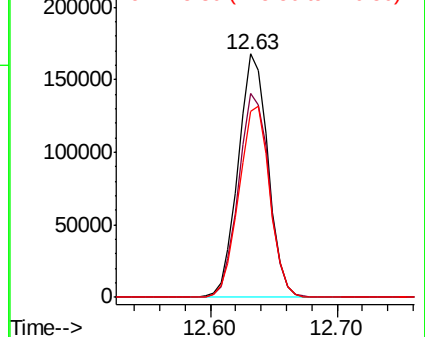
176 80.9 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

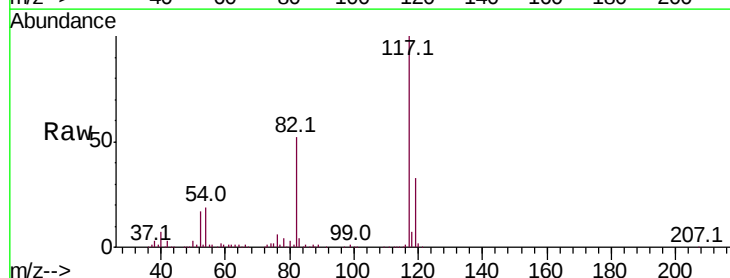
Tgt Ion: 117 Resp: 658323

Ion Ratio Lower Upper

117 100

82 52.2 42.6 63.8

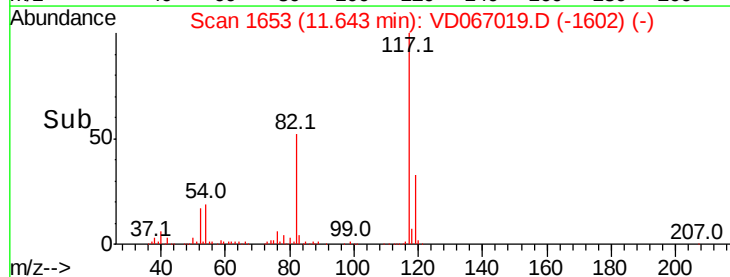
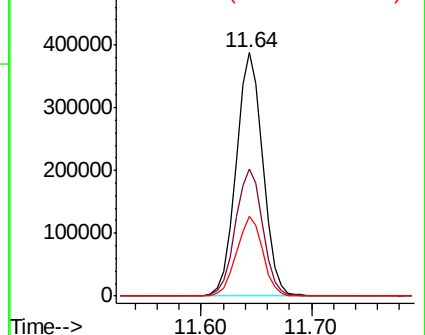
119 32.9 26.3 39.5

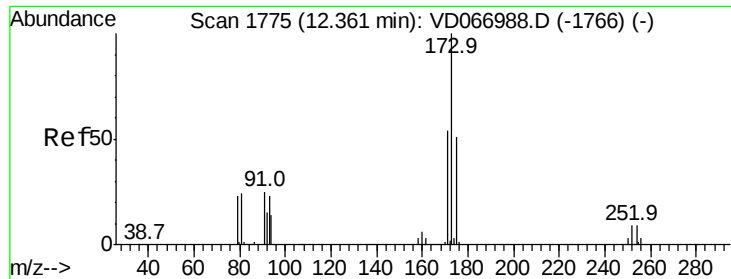


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.055 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

Instrument :

MSVOA_D

ClientSampleId :

RBR-251609

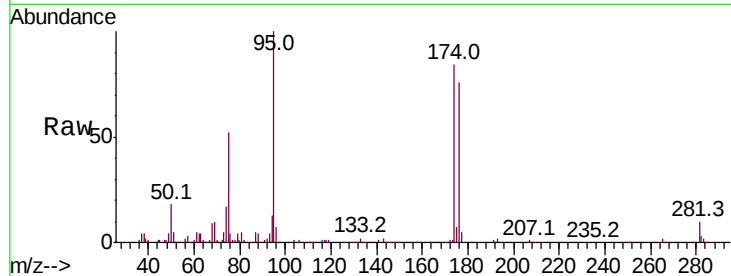
Tot Ion:173 Resp: 2728

Ion Ratio Lower Upper

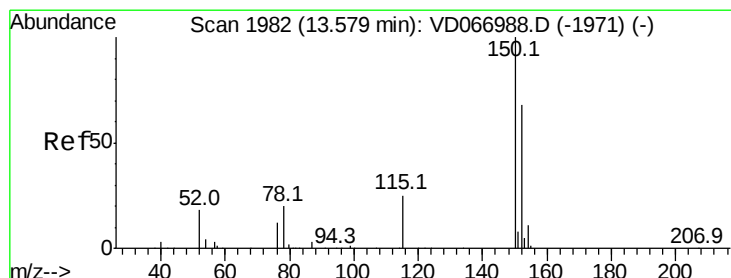
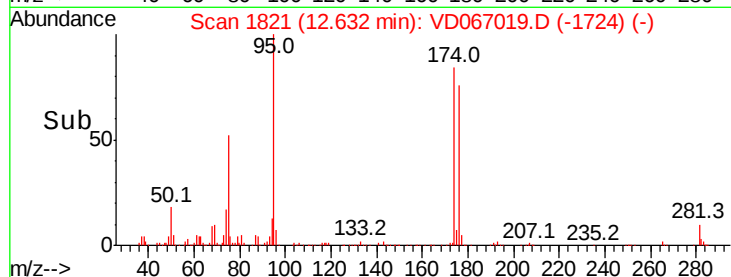
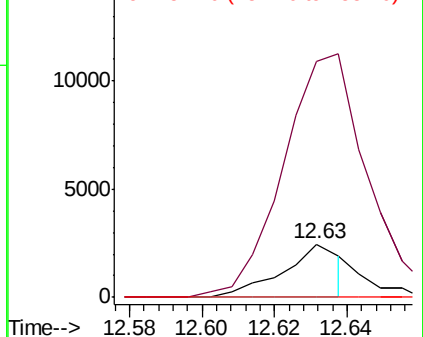
173 100

175 0.0 24.9 74.7#

254 0.0 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

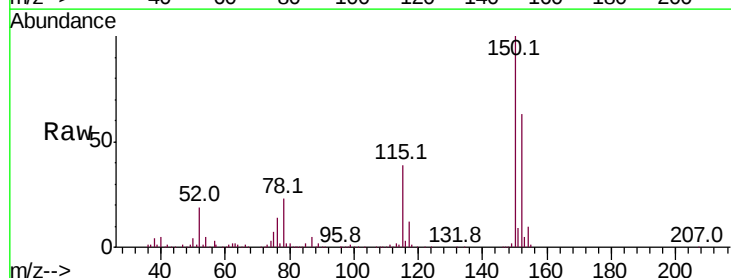
Tgt Ion:152 Resp: 297740

Ion Ratio Lower Upper

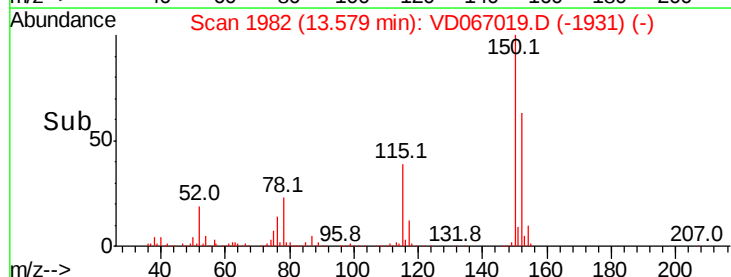
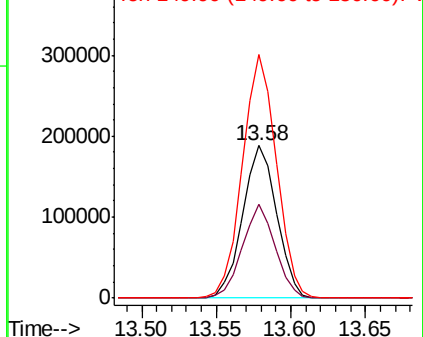
152 100

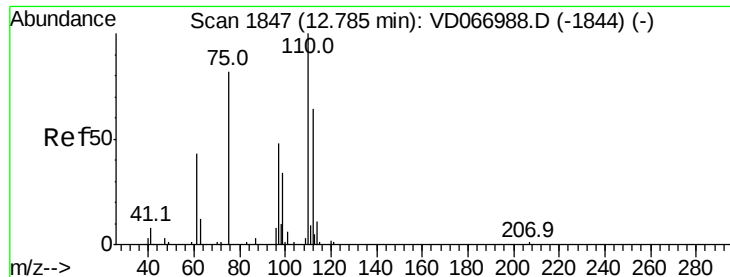
115 59.2 29.6 88.8

150 158.8 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 53.848 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

Instrument :

MSVOA_D

ClientSampleId :

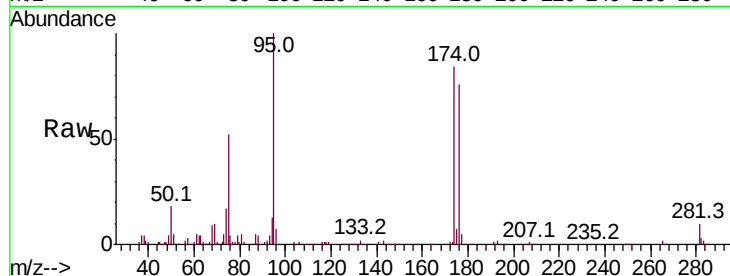
RBR-251609

Tot Ion: 75 Resp: 139651

Ion Ratio Lower Upper

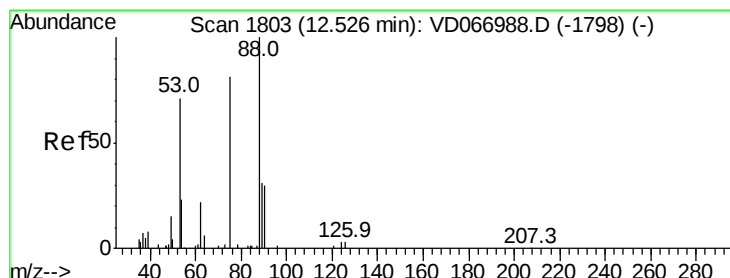
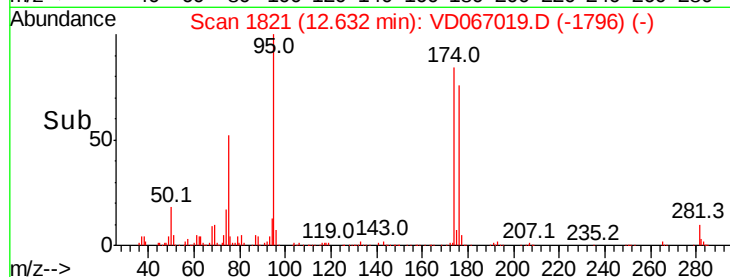
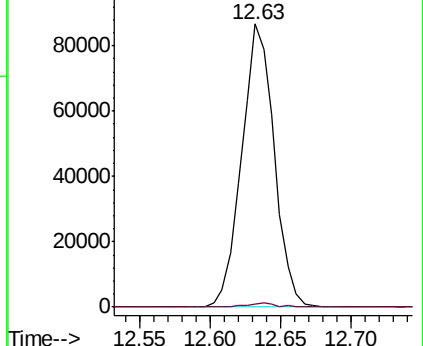
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 134.251 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067019.D

Acq: 02 Oct 2020 04:42

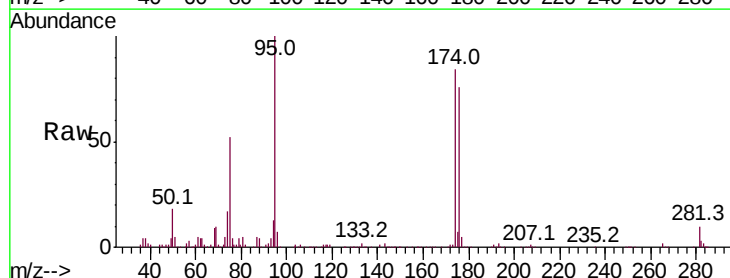
Tgt Ion: 75 Resp: 139651

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.2 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

