

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067017.D
 Acq On : 02 Oct 2020 03:47
 Operator : VA/SY
 Sample : L4195-01
 Misc : 5.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200010

Quant Time: Oct 02 04:14:19 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	390832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	659480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	615128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	267888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	207937	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
35) Dibromofluoromethane	7.91	113	218714	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.34	98	792082	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.63	95	250918	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds

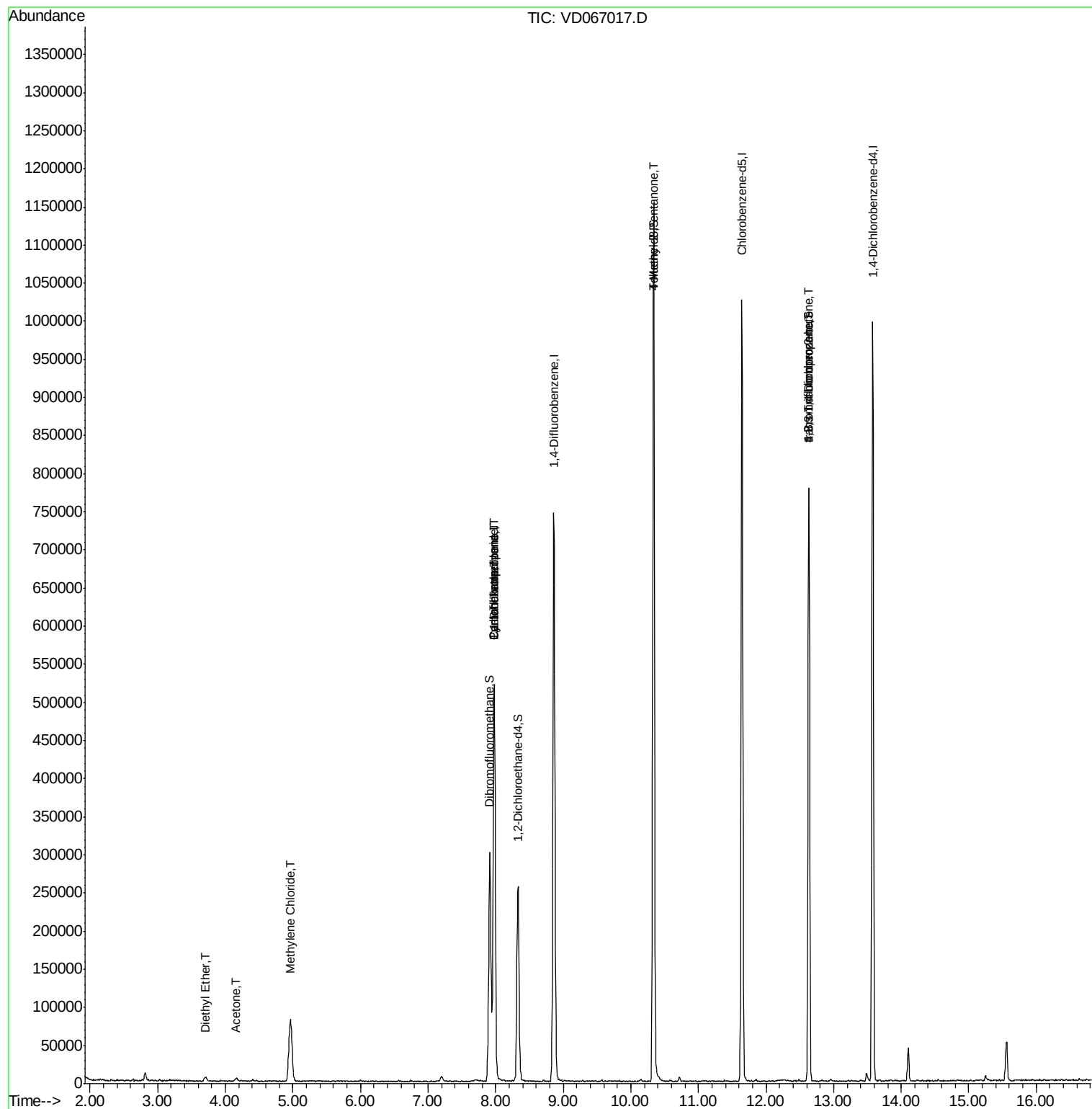
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	507	Below Cal	#	40
5) Bromomethane	2.77	94	665	Below Cal		91
8) Diethyl Ether	3.71	74	3329	1.936	ug/l	94
11) Tert butyl alcohol	5.20	59	272	Below Cal	#	72
16) Acetone	4.16	43	7885	13.721	ug/l #	88
20) Methylene Chloride	4.96	84	70569	11.738	ug/l	98
26) 2,2-Dichloropropane	7.22	77	356	Below Cal	#	53
31) Cyclohexane	7.97	56	7590	1.343	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	29126	4.738	ug/l #	51
38) Carbon Tetrachloride	7.98	117	41265	6.204	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	3492	1.787	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	124868	53.513	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	124868	133.416	ug/l #	12

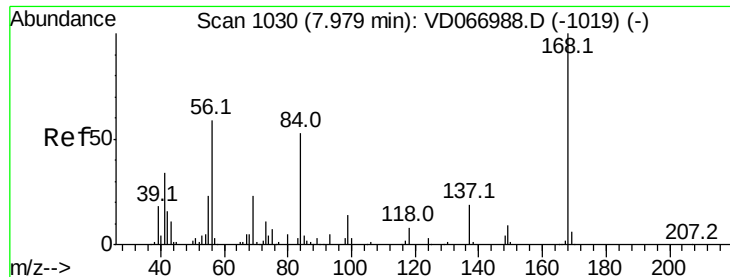
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
Data File : VD067017.D
Acq On : 02 Oct 2020 03:47
Operator : VA/SY
Sample : L4195-01
Misc : 5.30G/5.00ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RBR-200010

Quant Time: Oct 02 04:14:19 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: VD067017.D

Acq: 02 Oct 2020 03:47

Instrument :

MSVOA_D

ClientSampleId :

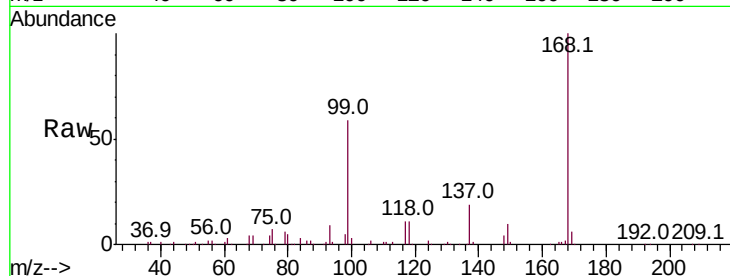
RBR-200010

Tot Ion:168 Resp: 390832

Ion Ratio Lower Upper

168 100

99 58.8 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

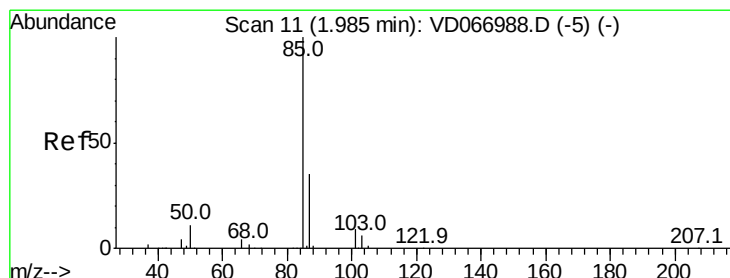
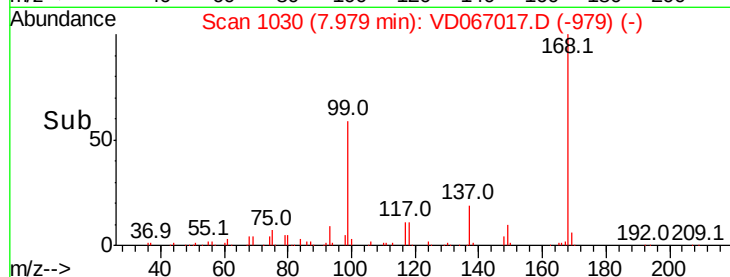
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067017.D

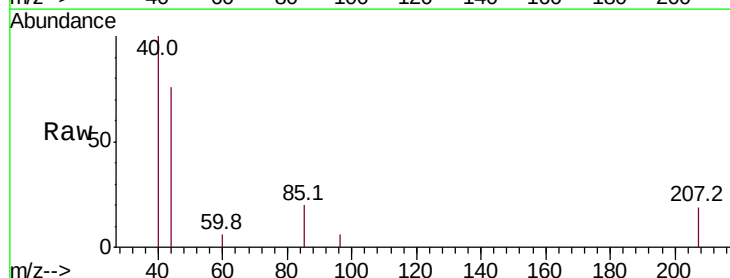
Acq: 02 Oct 2020 03:47

Tgt Ion: 85 Resp: 507

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

1.98

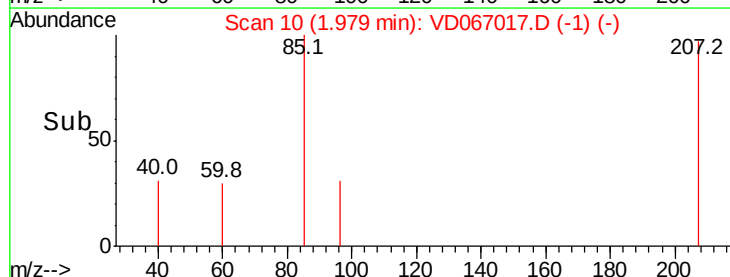
600

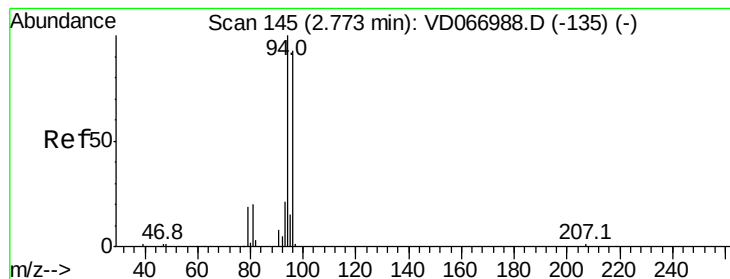
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067017.D

Acq: 02 Oct 2020 03:47

Instrument :

MSVOA_D

ClientSampleId :

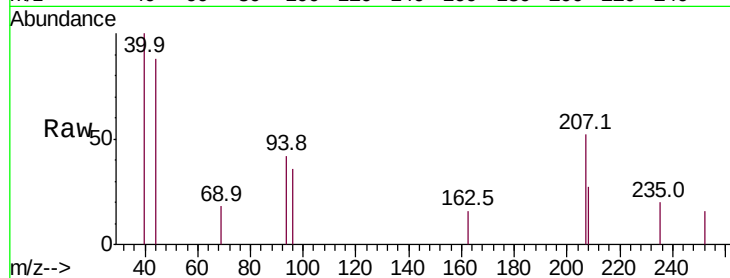
RBR-200010

Tot Ion: 94 Resp: 665

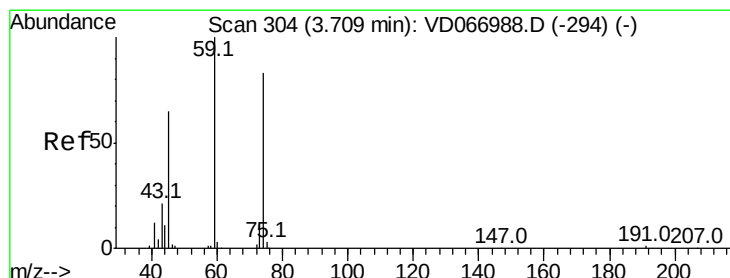
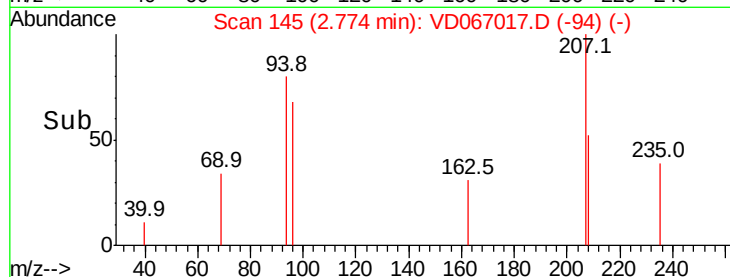
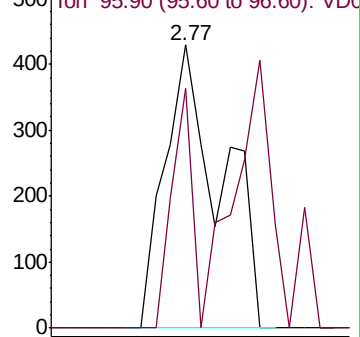
Ion Ratio Lower Upper

94 100

96 84.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC



#8

Diethyl Ether

Concen: 1.936 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD067017.D

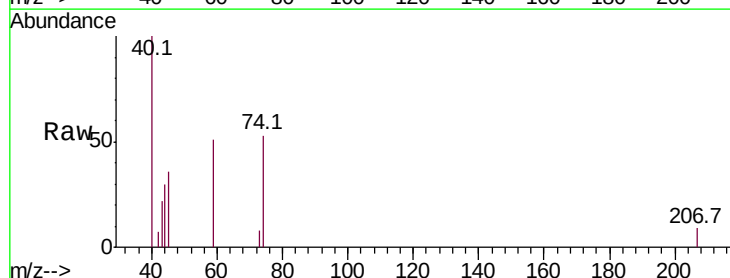
Acq: 02 Oct 2020 03:47

Tgt Ion: 74 Resp: 3329

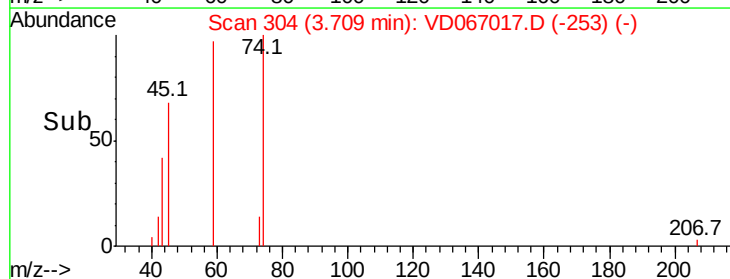
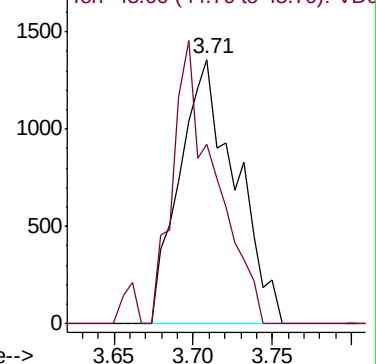
Ion Ratio Lower Upper

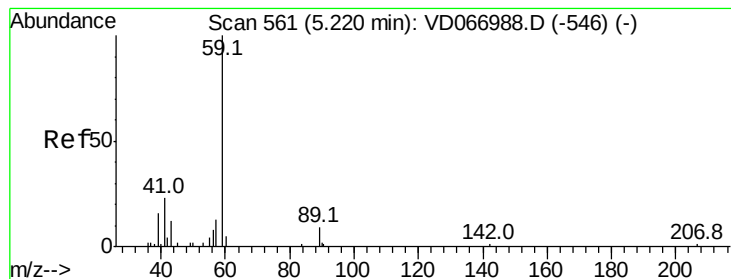
74 100

45 81.0 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC



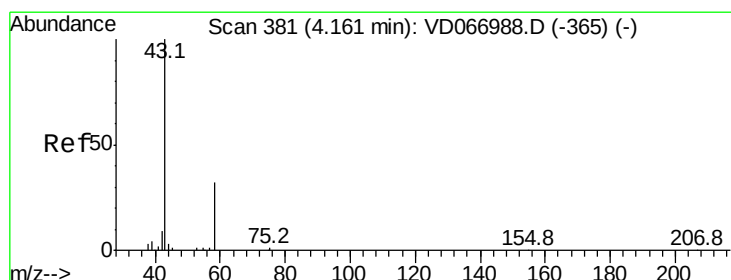
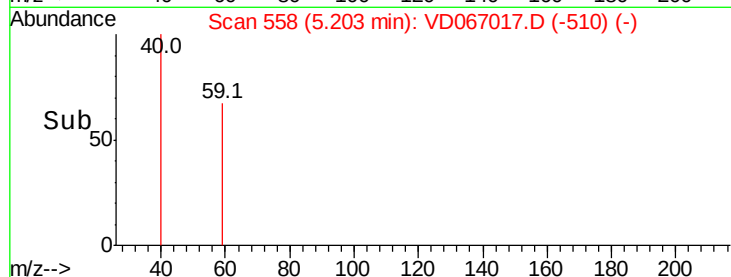
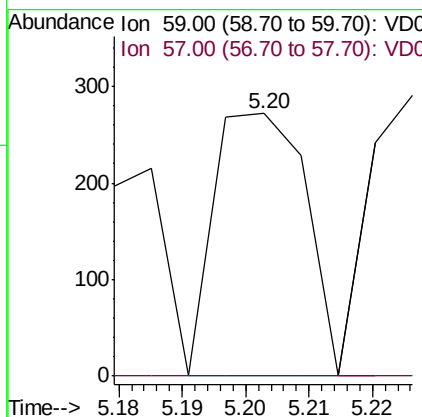
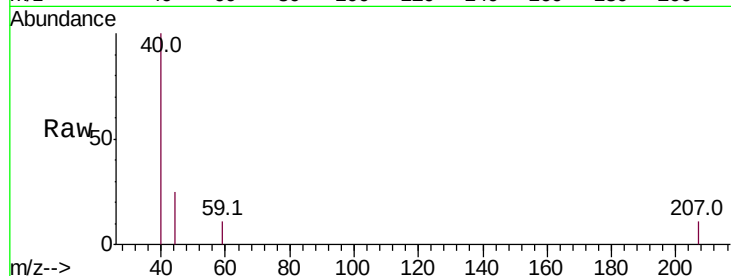


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD067017.D
 Acq: 02 Oct 2020 03:47

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200010

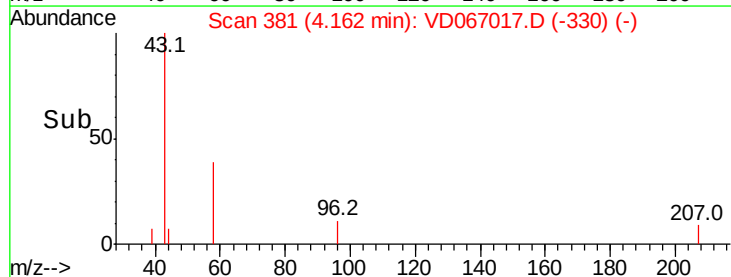
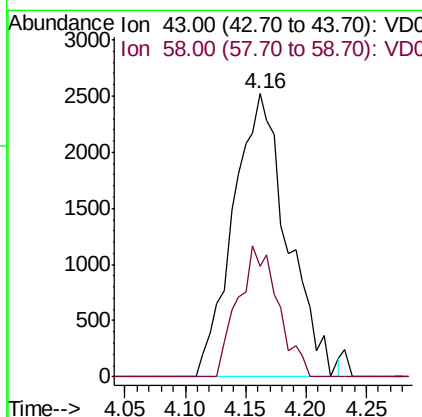
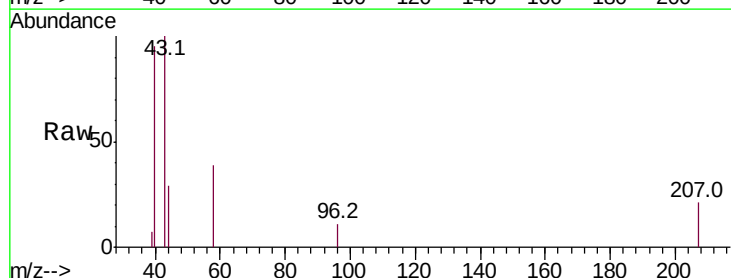
Tot Ion: 59 Resp: 272
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

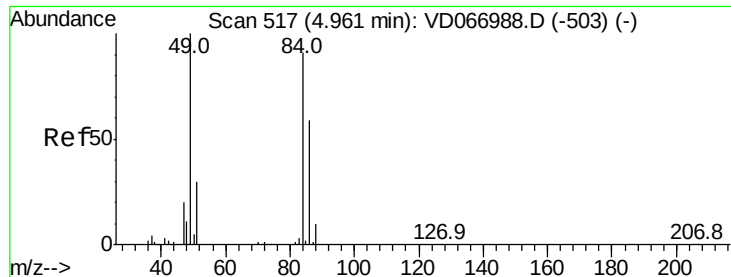


#16

Acetone
 Concen: 13.721 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD067017.D
 Acq: 02 Oct 2020 03:47

Tgt Ion: 43 Resp: 7885
 Ion Ratio Lower Upper
 43 100
 58 39.0 25.9 38.9#





#20

Methylene Chloride

Concen: 11.738 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067017.D

Acq: 02 Oct 2020 03:47

Instrument :

MSVOA_D

ClientSampleId :

RBR-200010

Tot Ion: 84 Resp: 70569

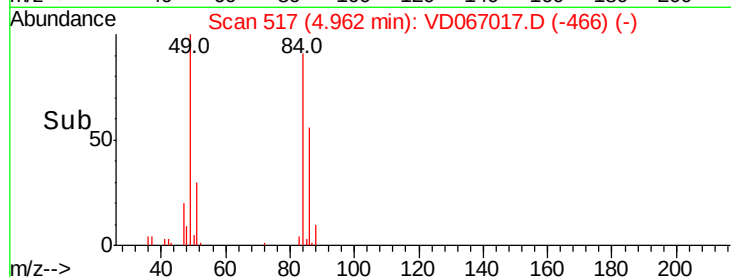
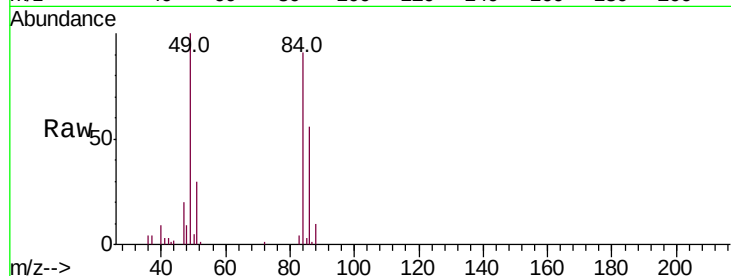
Ion Ratio Lower Upper

84 100

49 110.2 88.2 132.2

51 33.0 26.6 39.8

86 61.3 52.1 78.1

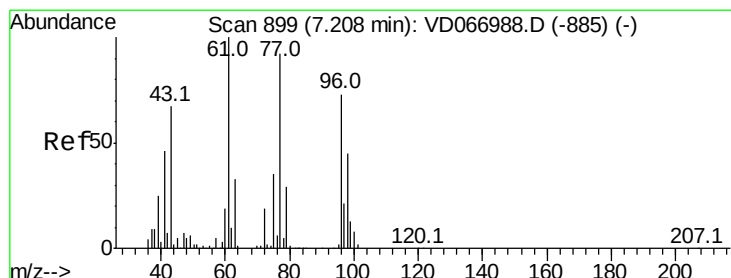
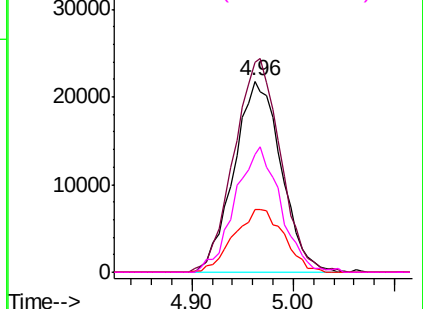


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067017.D

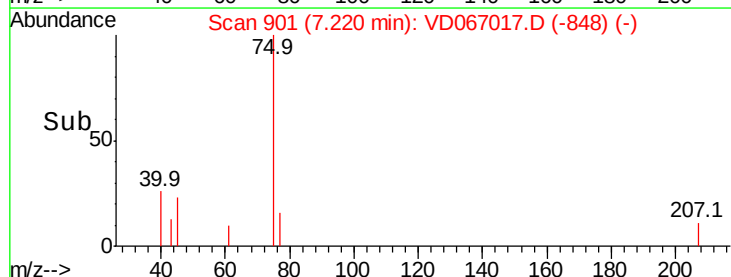
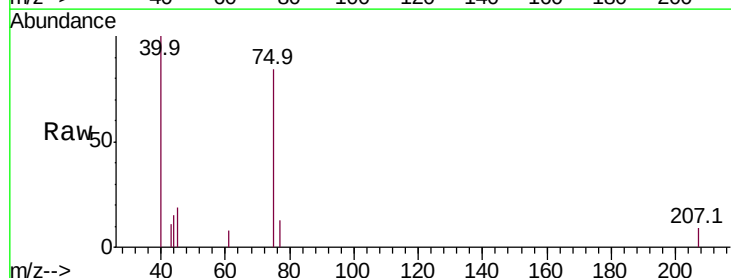
Acq: 02 Oct 2020 03:47

Tgt Ion: 77 Resp: 356

Ion Ratio Lower Upper

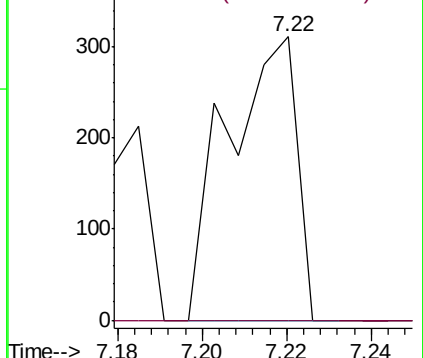
77 100

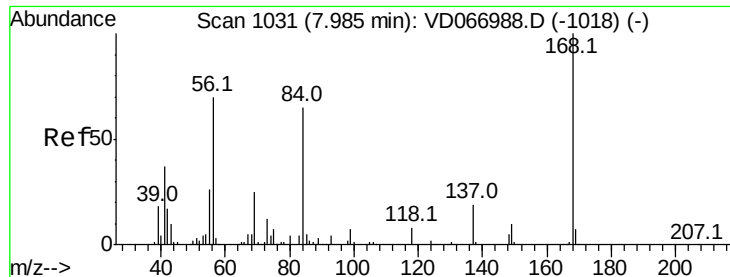
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

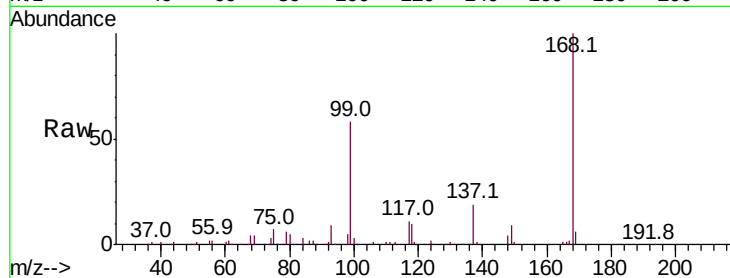




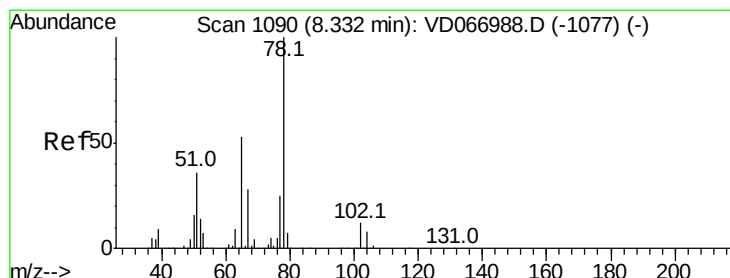
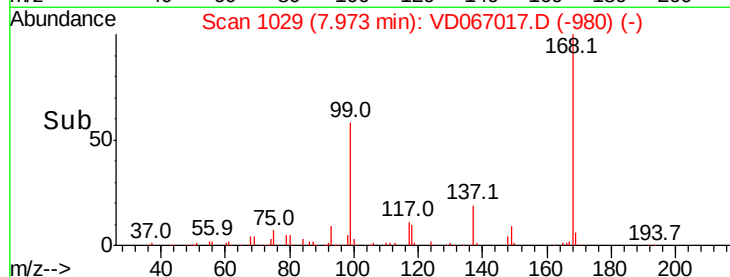
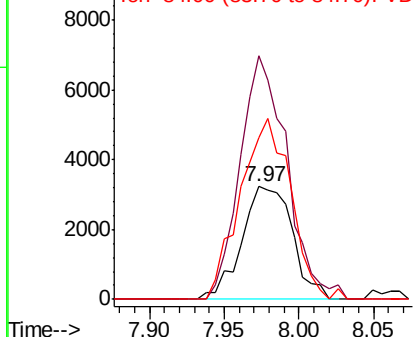
#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067017.D
Acq: 02 Oct 2020 03:47

Instrument :
MSVOA_D
ClientSampleId :
RBR-200010

Tot Ion: 56 Resp: 7590
Ion Ratio Lower Upper
56 100
69 215.4 29.0 43.6#
84 142.6 74.2 111.2#

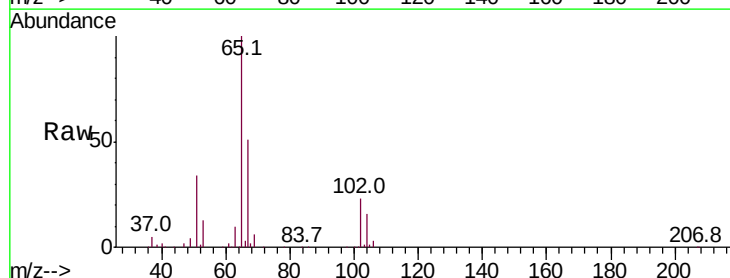


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

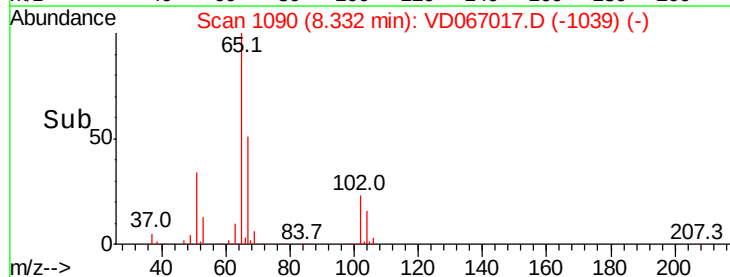
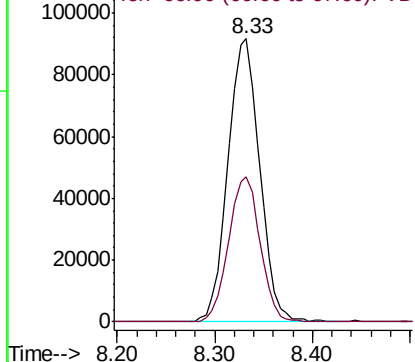


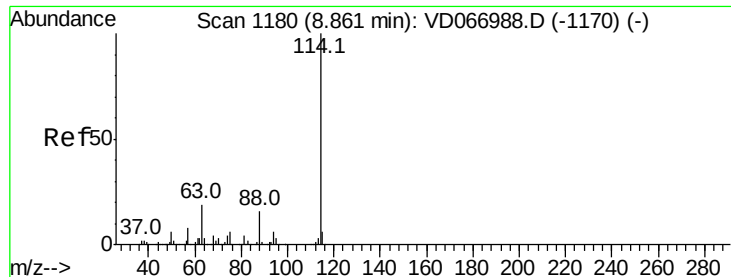
#33
1,2-Dichloroethane-d4
Concen: 55.237 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067017.D
Acq: 02 Oct 2020 03:47

Tgt Ion: 65 Resp: 207937
Ion Ratio Lower Upper
65 100
67 50.9 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: VD067017.D

Acq: 02 Oct 2020 03:47

Instrument :

MSVOA_D

ClientSampleId :

RBR-200010

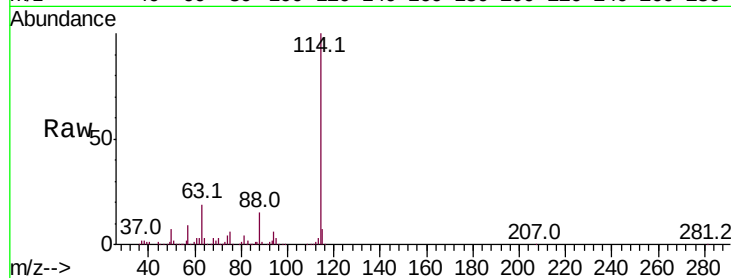
Tot Ion:114 Resp: 659480

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

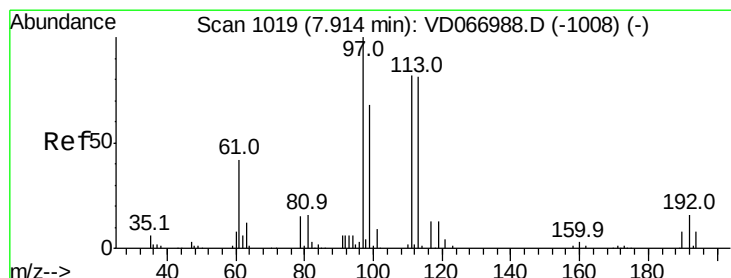
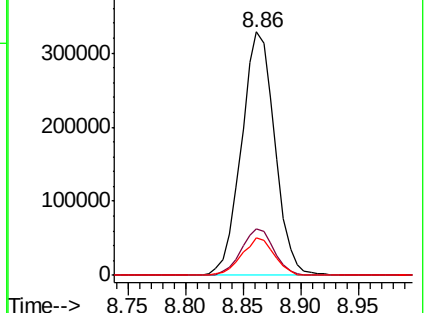
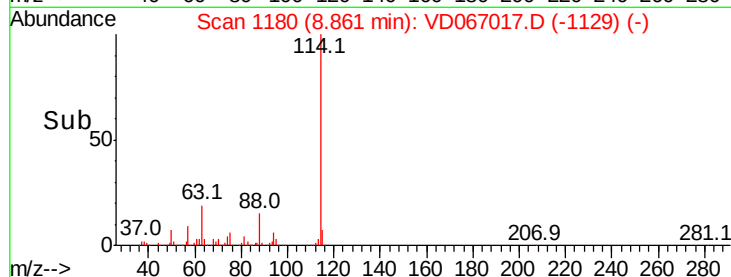
88 15.4 0.0 31.2



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: 50.658 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067017.D

Acq: 02 Oct 2020 03:47

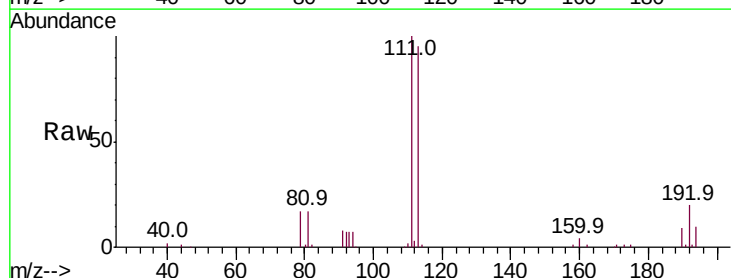
Tgt Ion:113 Resp: 218714

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

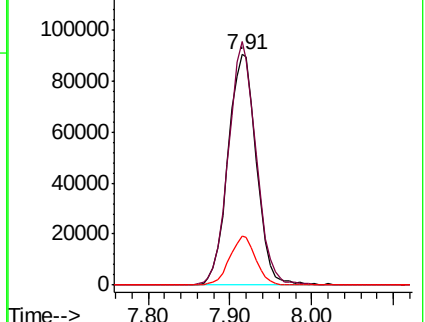
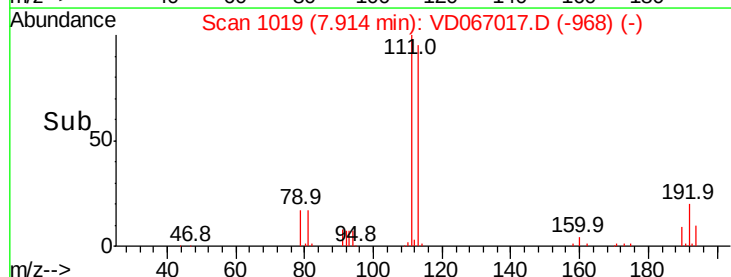
192 19.6 15.5 23.3

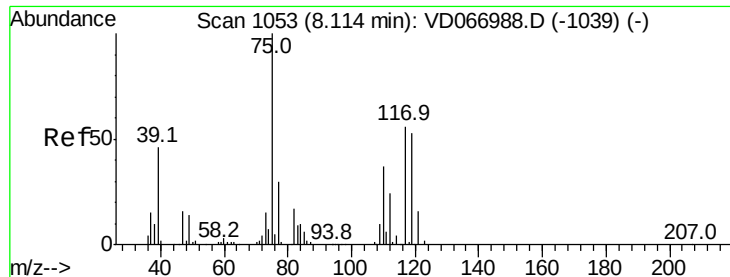


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.738 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067017.D

Acq: 02 Oct 2020 03:47

Instrument :

MSVOA_D

ClientSampleId :

RBR-200010

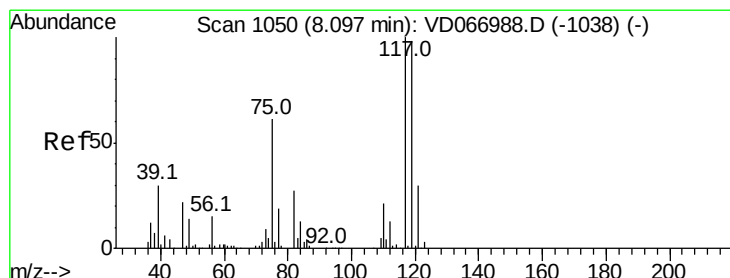
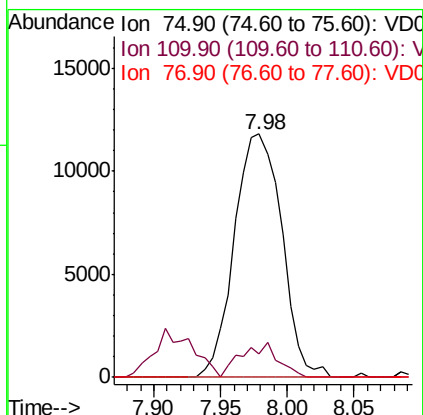
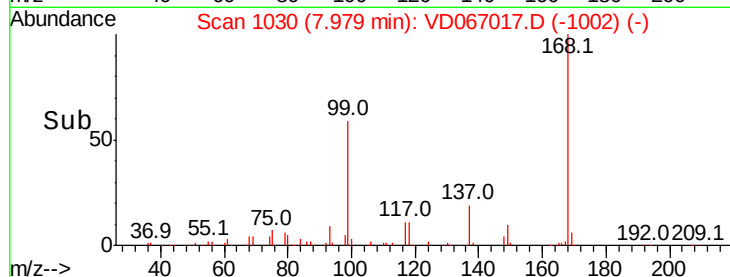
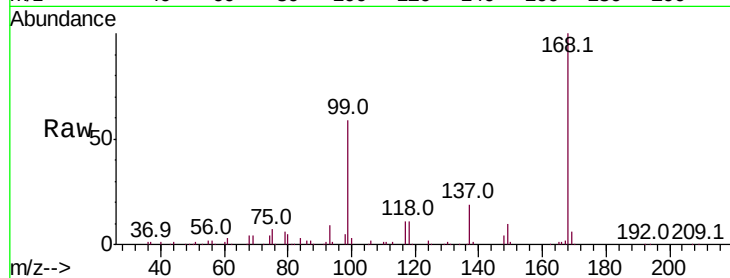
Tot Ion: 75 Resp: 29126

Ion Ratio Lower Upper

75 100

110 11.1 18.4 55.0#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.204 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067017.D

Acq: 02 Oct 2020 03:47

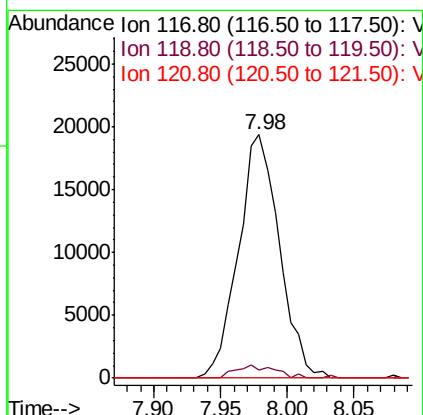
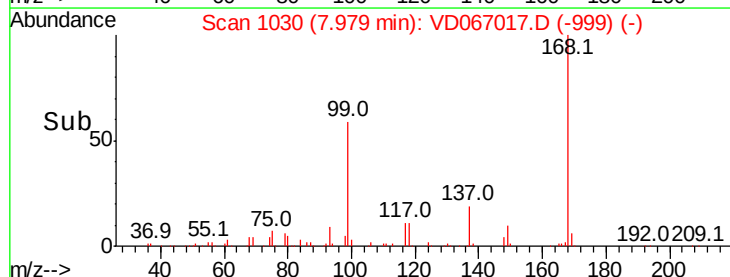
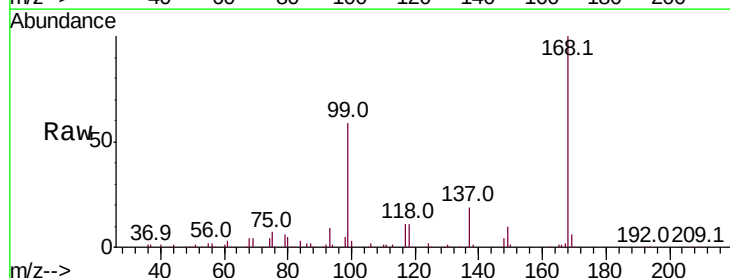
Tgt Ion: 117 Resp: 41265

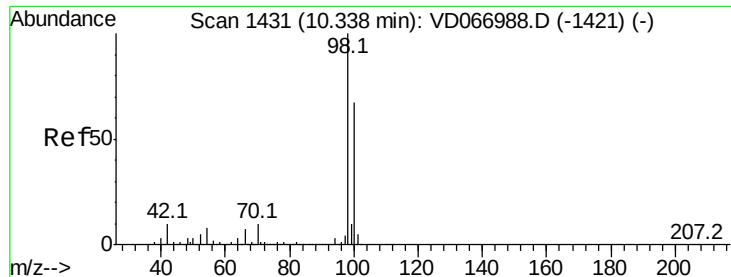
Ion Ratio Lower Upper

117 100

119 3.6 78.7 118.1#

121 0.0 24.2 36.2#

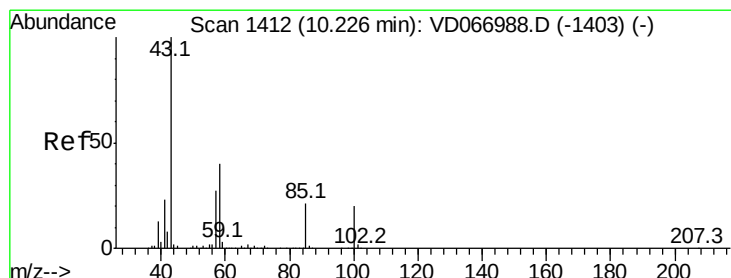
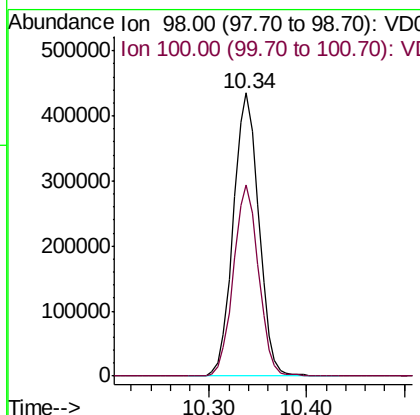
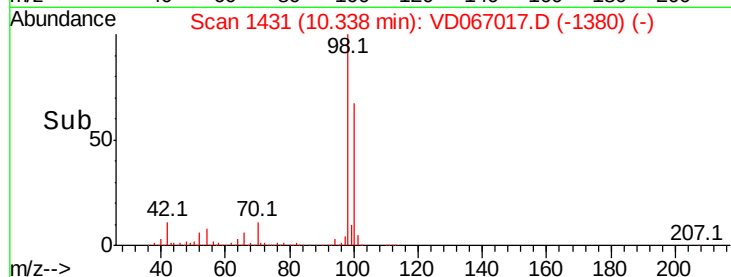
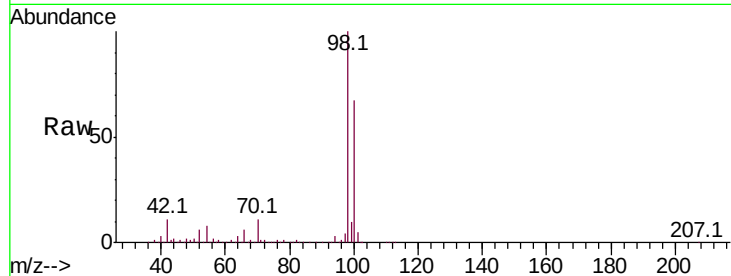




#50
Toluene-d8
Concen: 50.347 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067017.D
Acq: 02 Oct 2020 03:47

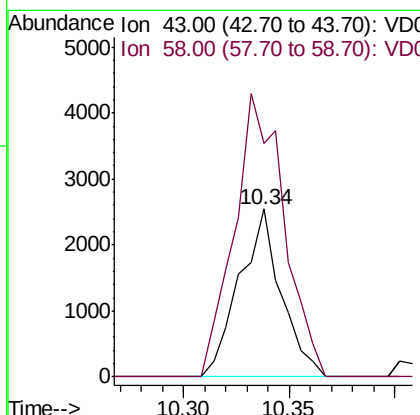
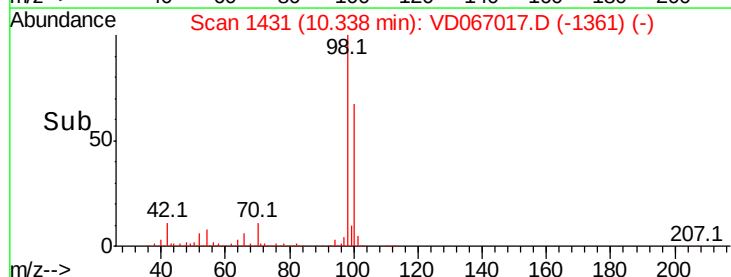
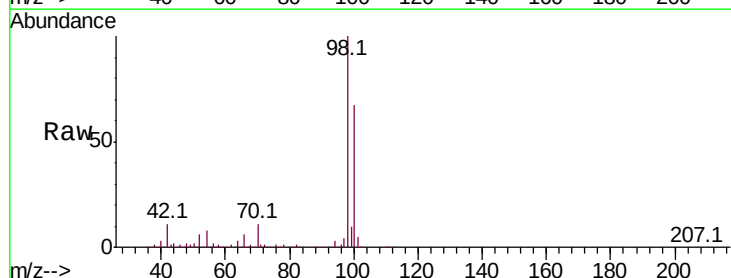
Instrument :
MSVOA_D
ClientSampleId :
RBR-200010

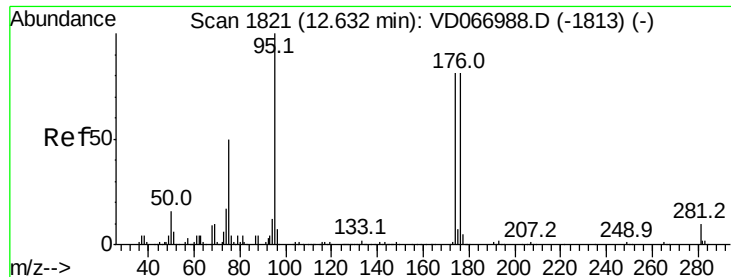
Tot Ion: 98 Resp: 792082
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.787 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067017.D
Acq: 02 Oct 2020 03:47

Tgt Ion: 43 Resp: 3492
Ion Ratio Lower Upper
43 100
58 200.3 33.8 50.8#

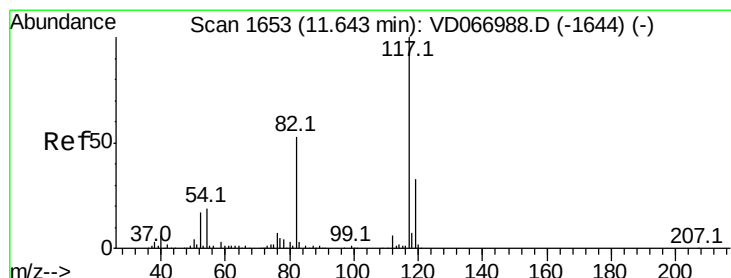
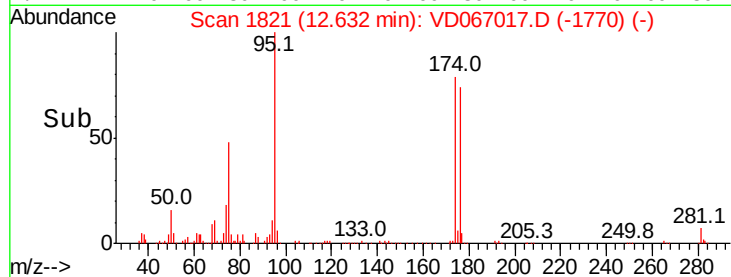
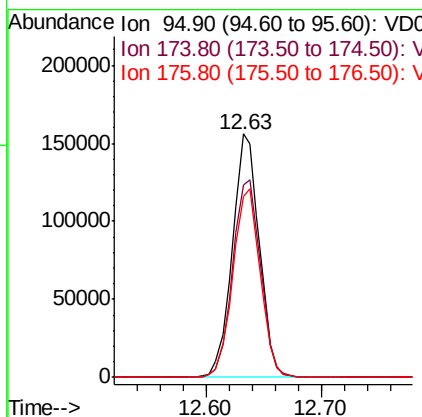
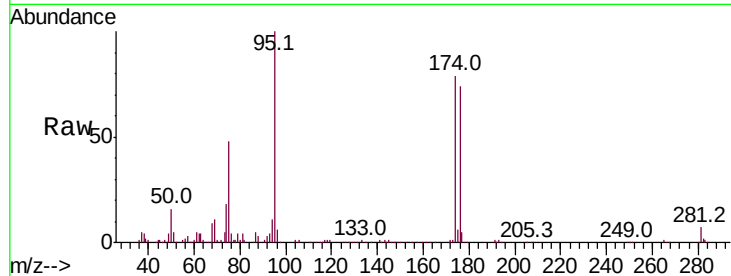




#62
4-Bromofluorobenzene
Concen: 46.982 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067017.D
Acq: 02 Oct 2020 03:47

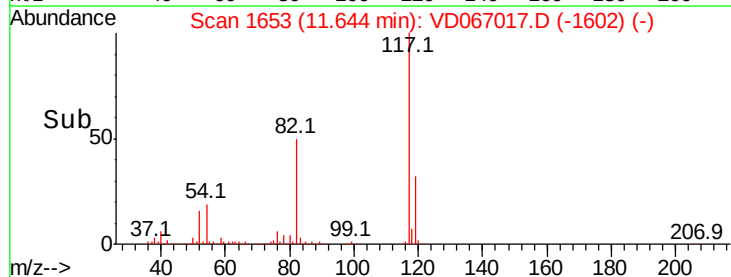
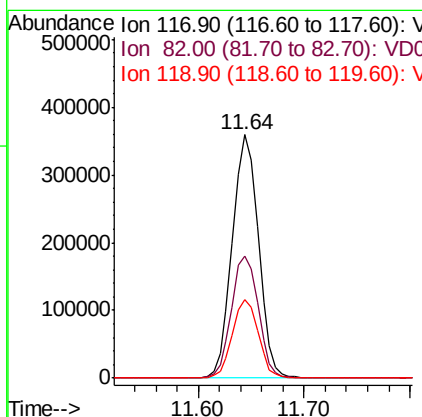
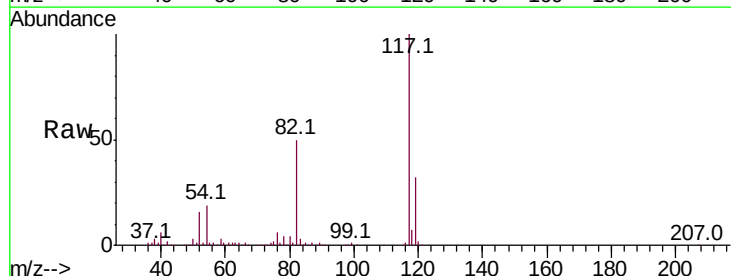
Instrument :
MSVOA_D
ClientSampleId :
RBR-200010

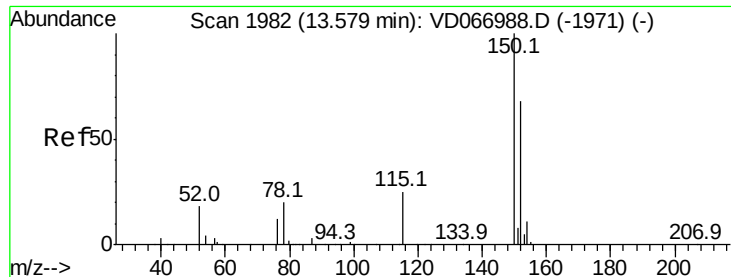
Tot Ion	95	Resp	250918
Ion Ratio	Lower	Upper	
95	100		
174	84.4	0.0	167.6
176	78.9	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067017.D
Acq: 02 Oct 2020 03:47

Tgt Ion	117	Resp	615128
Ion Ratio	Lower	Upper	
117	100		
82	49.9	42.6	63.8
119	32.4	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067017.D

Acq: 02 Oct 2020 03:47

Instrument :

MSVOA_D

ClientSampleId :

RBR-200010

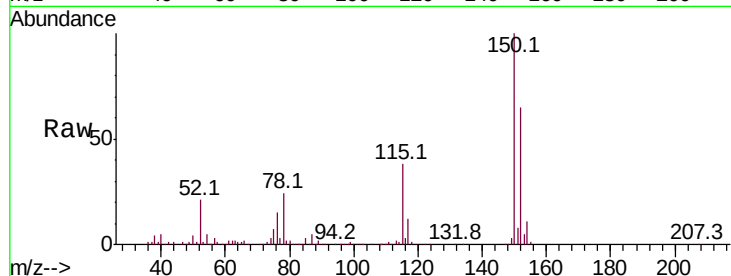
Tot Ion:152 Resp: 267888

Ion Ratio Lower Upper

152 100

115 60.4 29.6 88.8

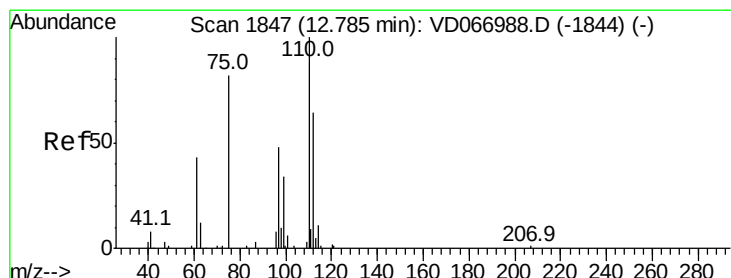
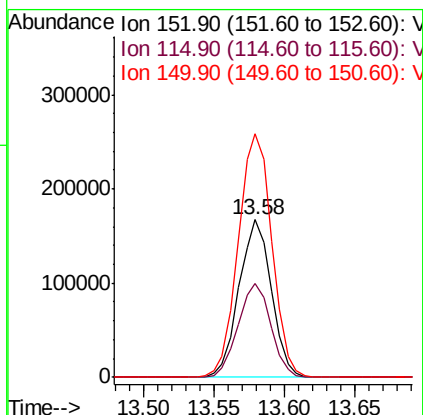
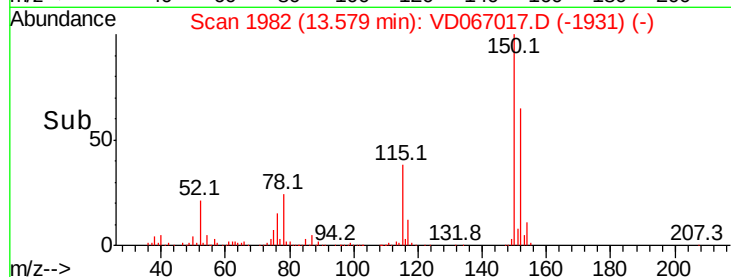
150 160.8 0.0 344.8



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: 53.513 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067017.D

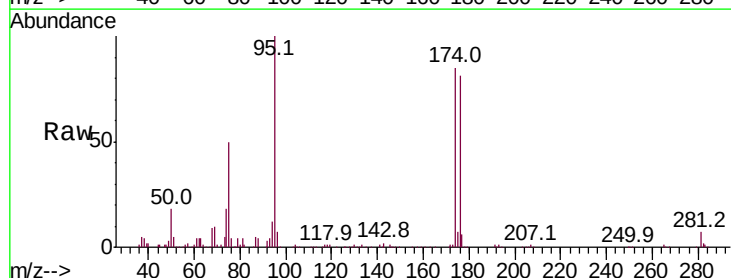
Acq: 02 Oct 2020 03:47

Tgt Ion: 75 Resp: 124868

Ion Ratio Lower Upper

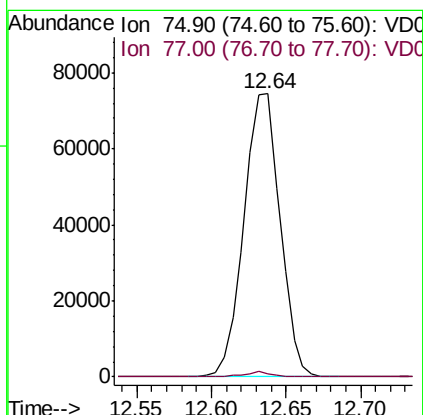
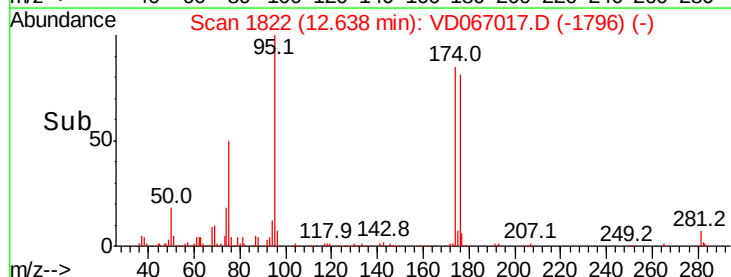
75 100

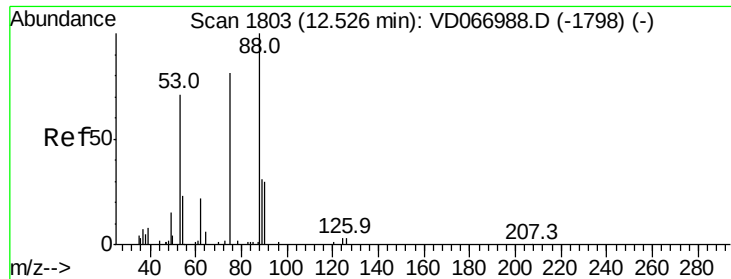
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 133.416 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067017.D

Acq: 02 Oct 2020 03:47

Instrument :

MSVOA_D

ClientSampleId :

RBR-200010

Tot Ion: 75 Resp: 124868

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#

