

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067018.D
 Acq On : 02 Oct 2020 04:14
 Operator : VA/SY
 Sample : L4195-03
 Misc : 5.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251673

Quant Time: Oct 02 04:51:51 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	393535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	665151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	609017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269115	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	197908	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
35) Dibromofluoromethane	7.91	113	214845	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	10.34	98	797164	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.64	95	244373	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	

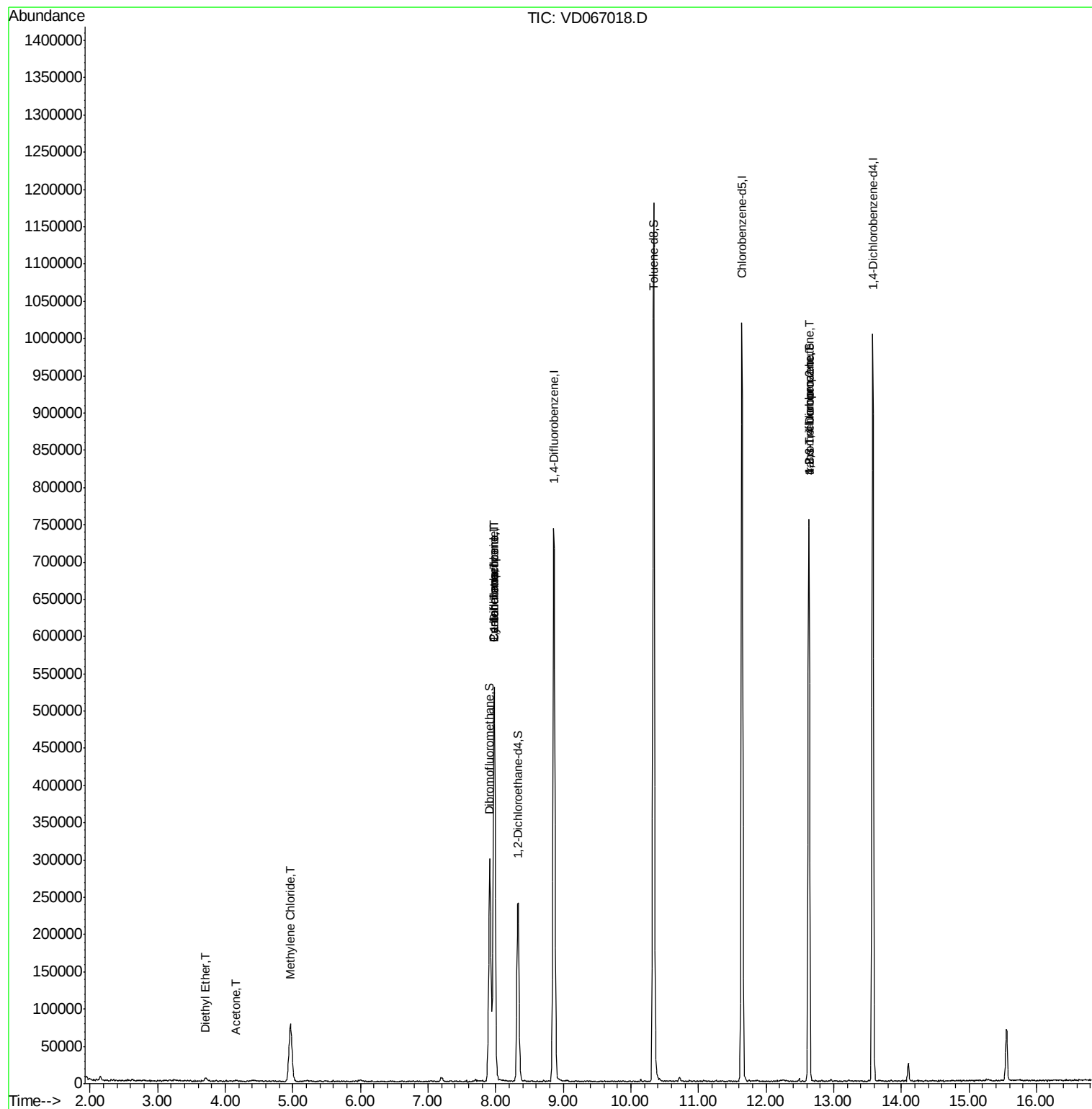
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	443	Below Cal		87
5) Bromomethane	2.77	94	172	Below Cal	#	67
8) Diethyl Ether	3.70	74	2472	1.428	ug/l	84
11) Tert butyl alcohol	5.23	59	773	Below Cal	#	72
16) Acetone	4.16	43	1752	3.028	ug/l	97
20) Methylene Chloride	4.97	84	64234	9.794	ug/l	93
26) 2,2-Dichloropropane	7.20	77	409	Below Cal	#	53
31) Cyclohexane	7.98	56	8266	1.452	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	28855	4.654	ug/l #	50
38) Carbon Tetrachloride	7.98	117	39007	5.815	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	123998	52.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	123998	131.882	ug/l #	12

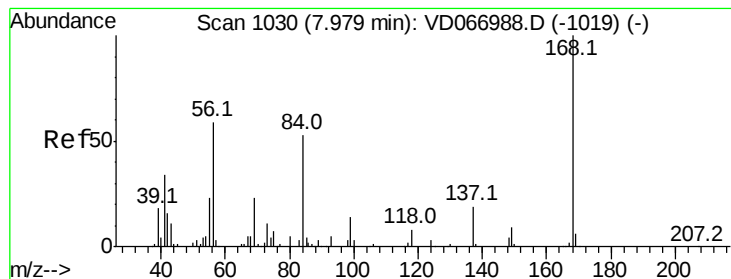
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067018.D

Acq: 02 Oct 2020 04:14

Instrument :

MSVOA_D

ClientSampleId :

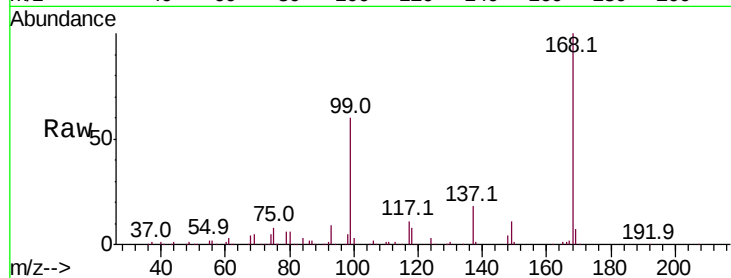
RBR-251673

Tot Ion:168 Resp: 393535

Ion Ratio Lower Upper

168 100

99 59.9 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

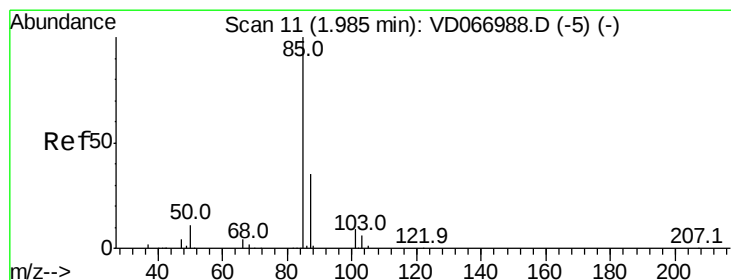
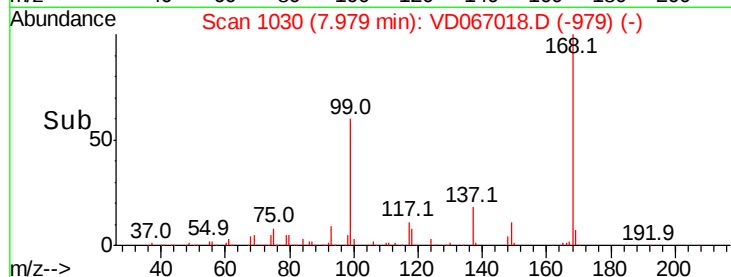
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067018.D

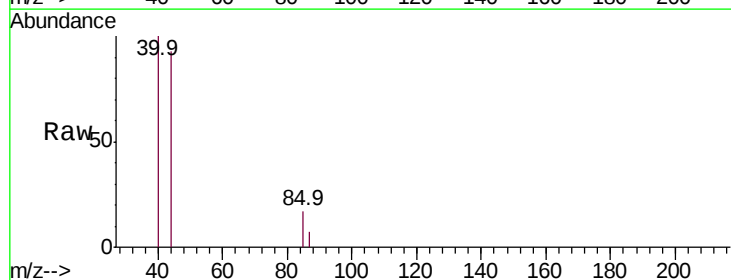
Acq: 02 Oct 2020 04:14

Tgt Ion: 85 Resp: 443

Ion Ratio Lower Upper

85 100

87 42.0 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

600

500

400

300

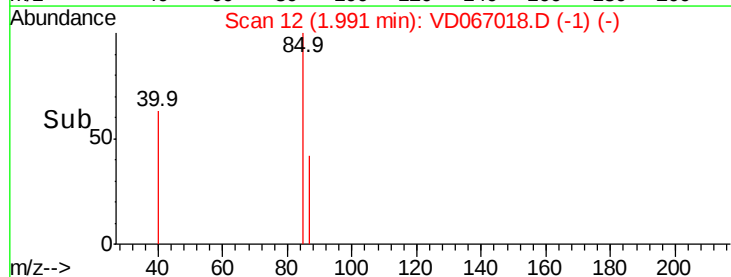
200

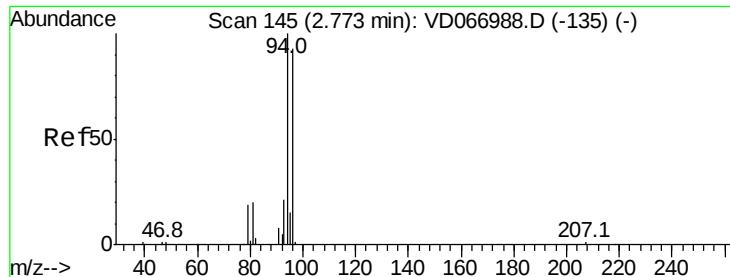
100

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067018.D

Acq: 02 Oct 2020 04:14

Instrument :

MSVOA_D

ClientSampleId :

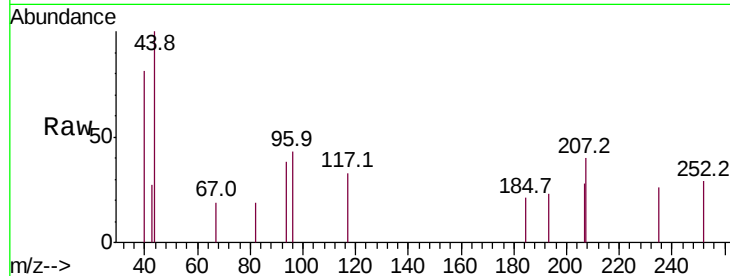
RBR-251673

Tot Ion: 94 Resp: 172

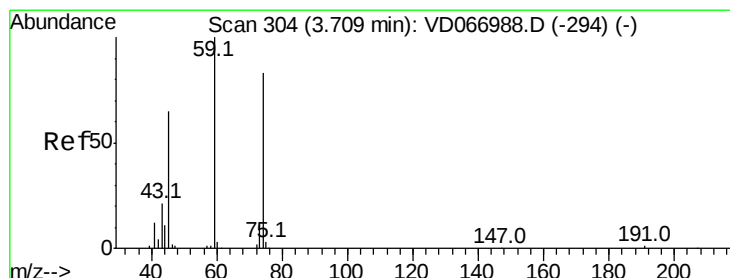
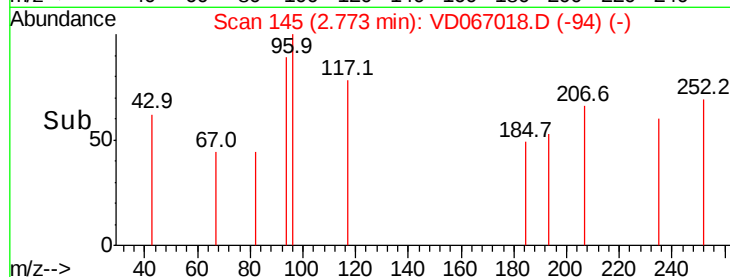
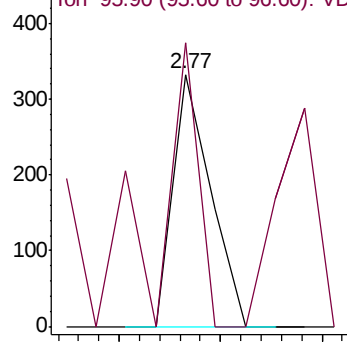
Ion Ratio Lower Upper

94 100

96 61.6 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#8

Diethyl Ether

Concen: 1.428 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067018.D

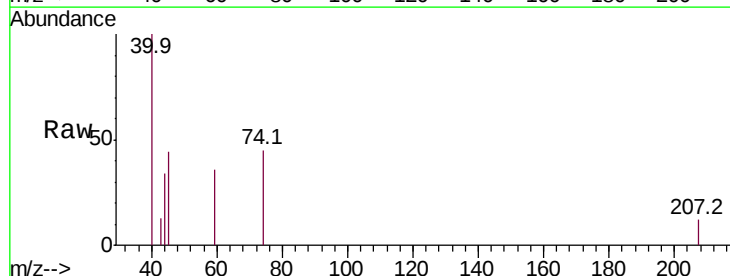
Acq: 02 Oct 2020 04:14

Tgt Ion: 74 Resp: 2472

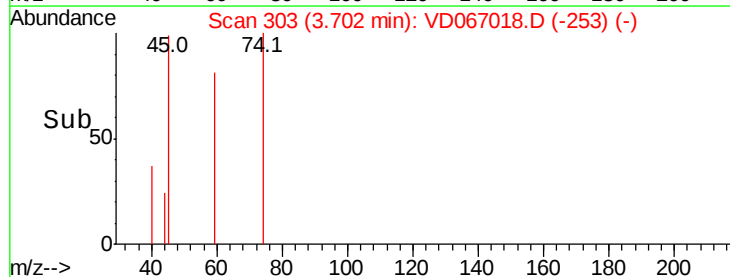
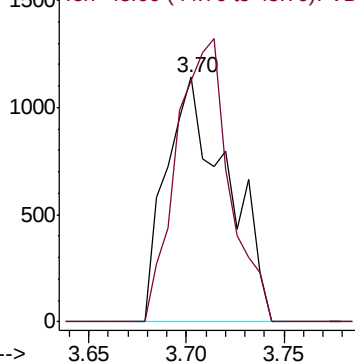
Ion Ratio Lower Upper

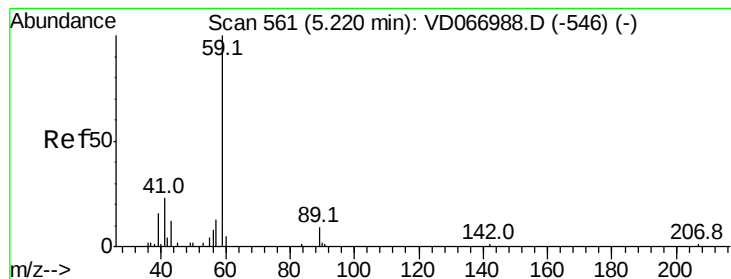
74 100

45 100.5 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC



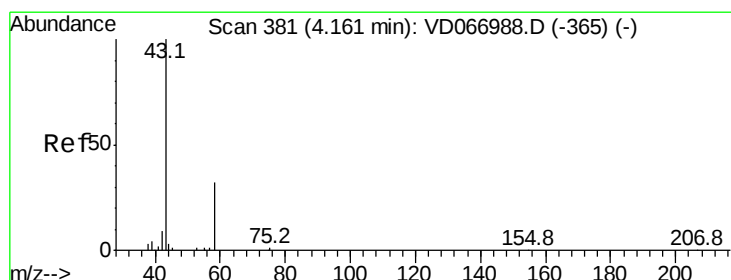
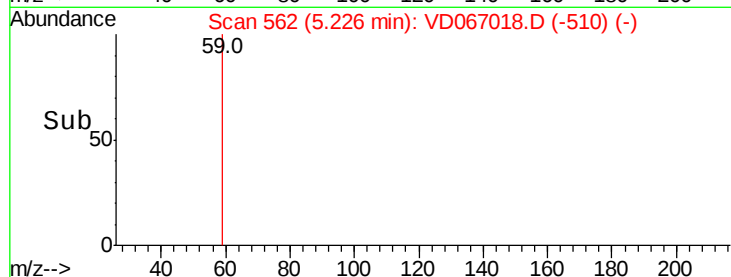
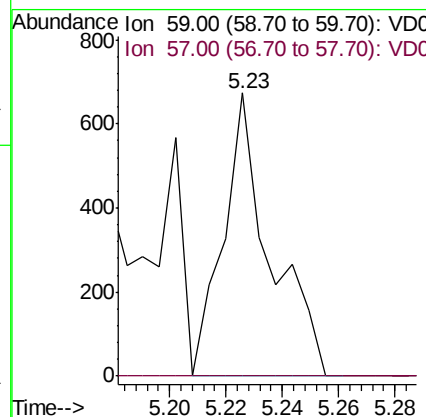
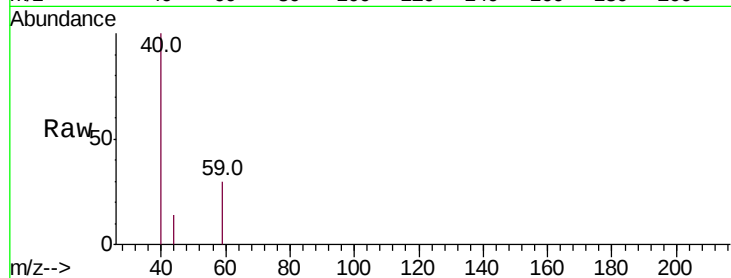


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD067018.D
Acq: 02 Oct 2020 04:14

Instrument :
MSVOA_D
ClientSampleId :
RBR-251673

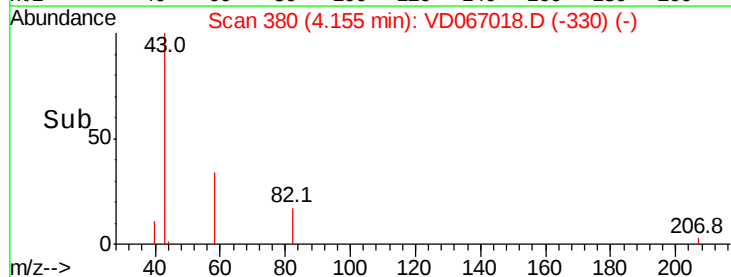
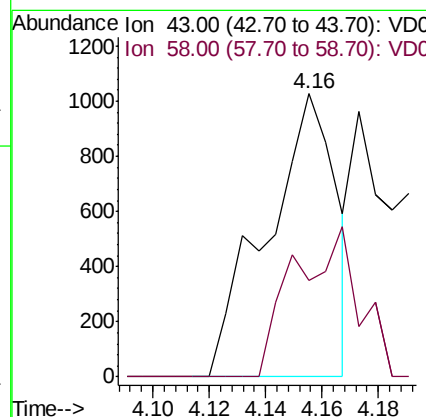
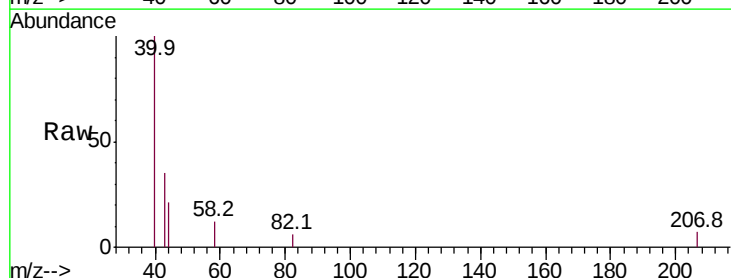
Tot Ion: 59 Resp: 773
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

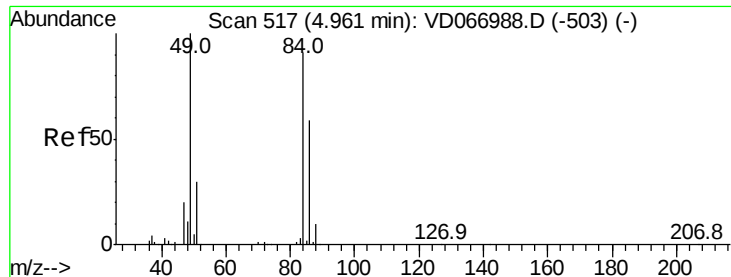


#16

Acetone
Concen: 3.028 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD067018.D
Acq: 02 Oct 2020 04:14

Tgt Ion: 43 Resp: 1752
Ion Ratio Lower Upper
43 100
58 33.9 25.9 38.9

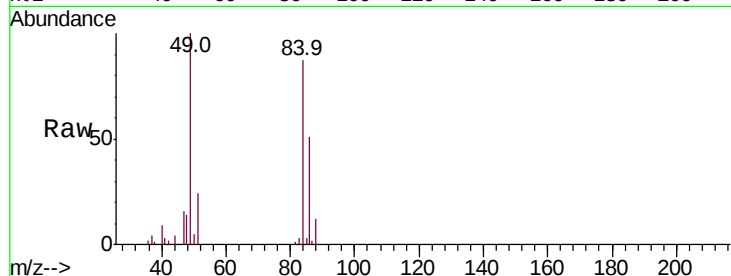




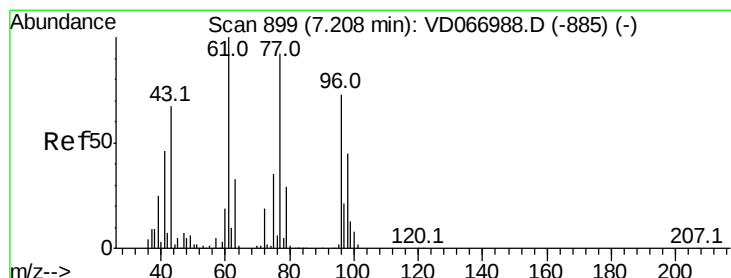
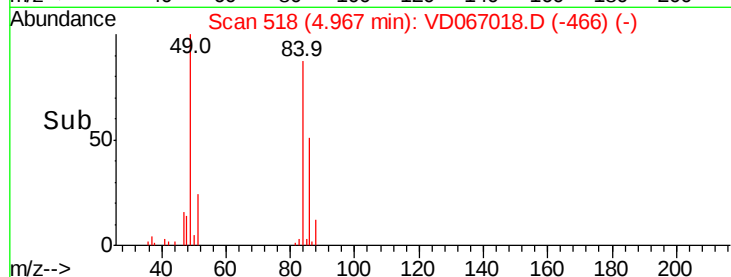
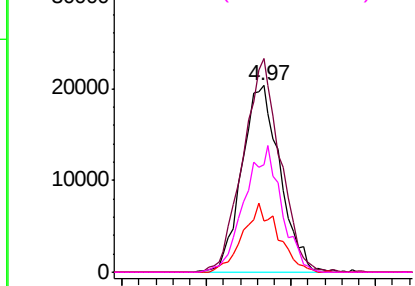
#20
Methvlene Chloride
Concen: 9.794 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067018.D
Acq: 02 Oct 2020 04:14

Instrument :
MSVOA_D
ClientSampleId :
RBR-251673

Tot Ion: 84 Resp: 64234
Ion Ratio Lower Upper
84 100
49 114.4 88.2 132.2
51 27.6 26.6 39.8
86 57.8 52.1 78.1

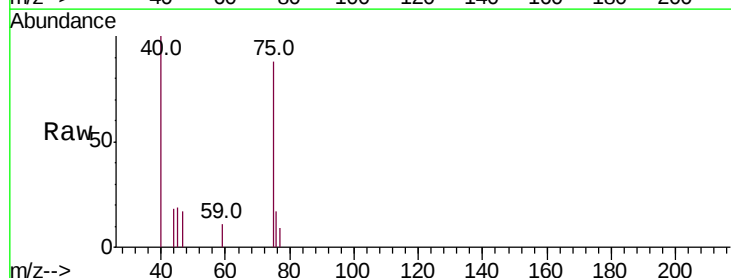


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

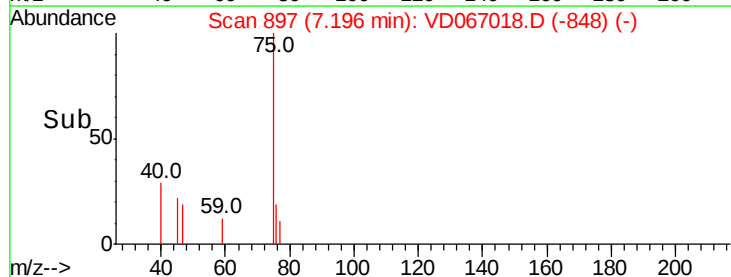
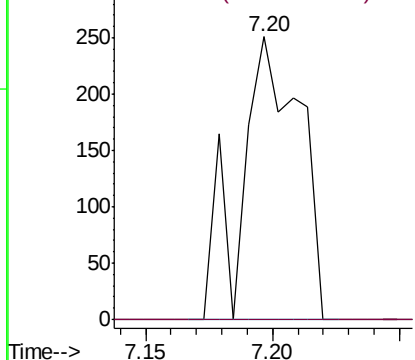


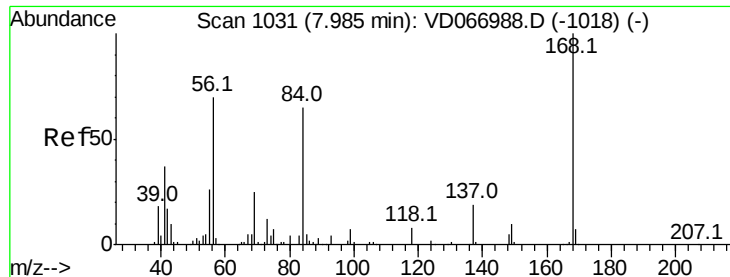
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067018.D
Acq: 02 Oct 2020 04:14

Tgt Ion: 77 Resp: 409
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: 1.452 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067018.D

Acq: 02 Oct 2020 04:14

Instrument :

MSVOA_D

ClientSampleId :

RBR-251673

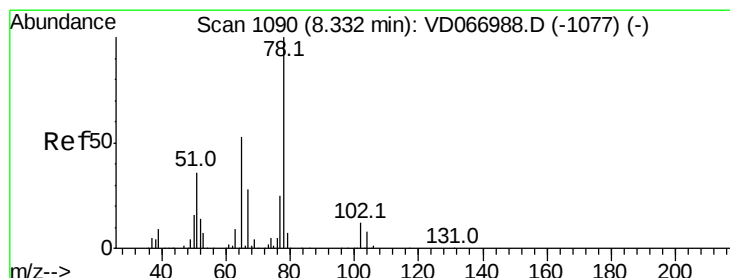
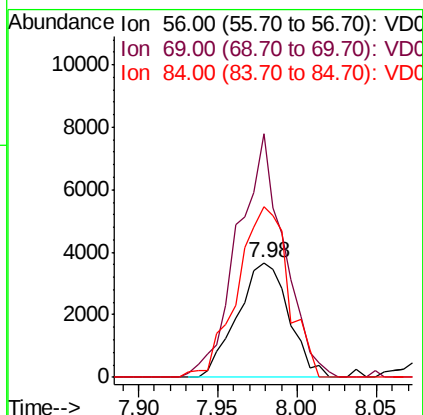
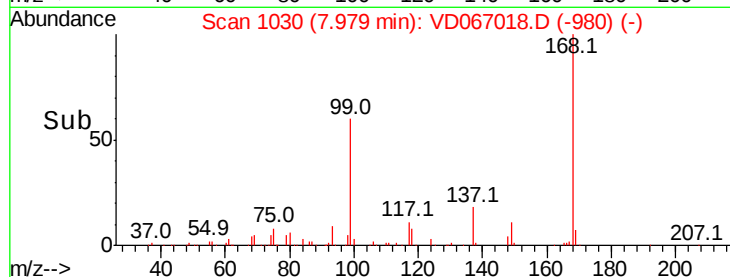
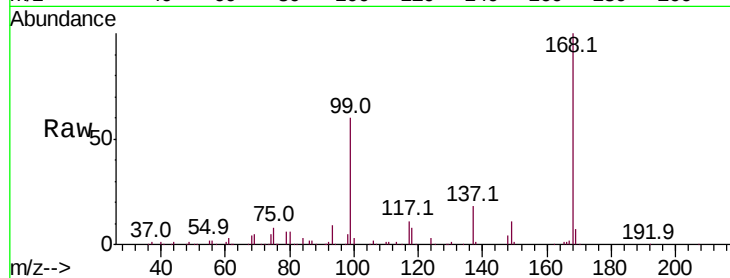
Tot Ion: 56 Resp: 8266

Ion Ratio Lower Upper

56 100

69 211.9 29.0 43.6#

84 148.2 74.2 111.2#



#33

1,2-Dichloroethane-d4

Concen: 52.211 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067018.D

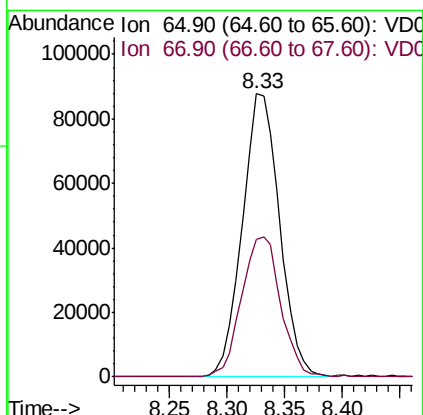
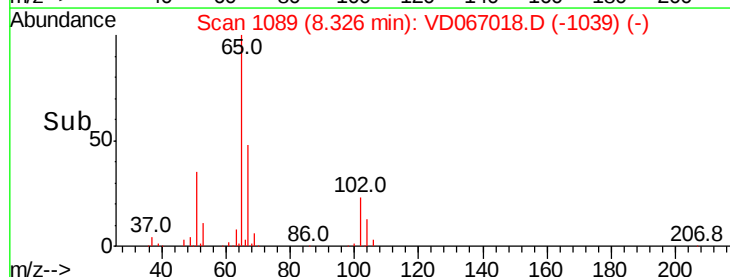
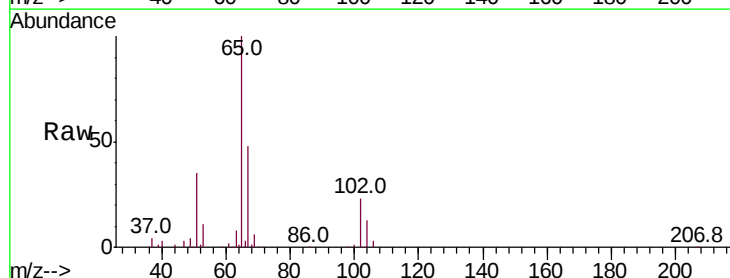
Acq: 02 Oct 2020 04:14

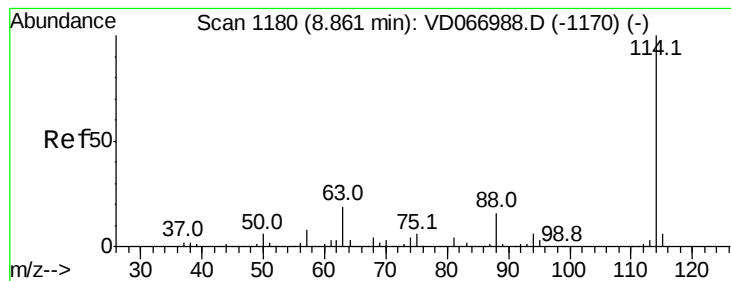
Tgt Ion: 65 Resp: 197908

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD067018.D

Acq: 02 Oct 2020 04:14

Instrument :

MSVOA_D

ClientSampleId :

RBR-251673

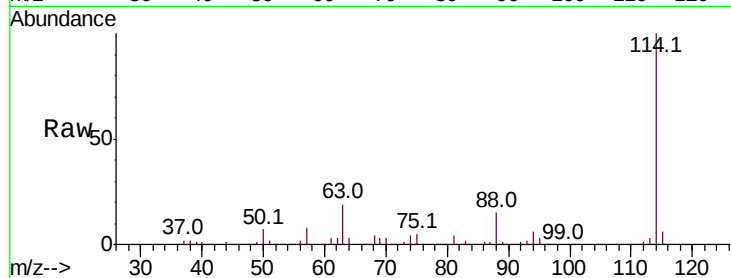
Tot Ion:114 Resp: 665151

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

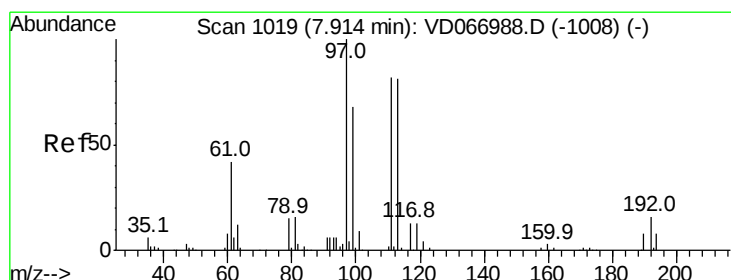
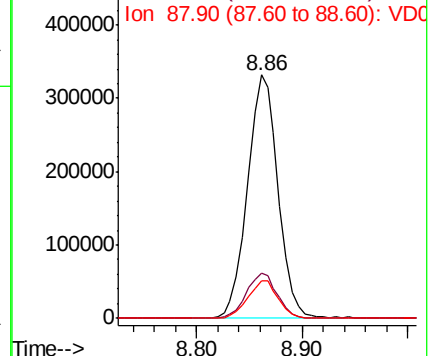
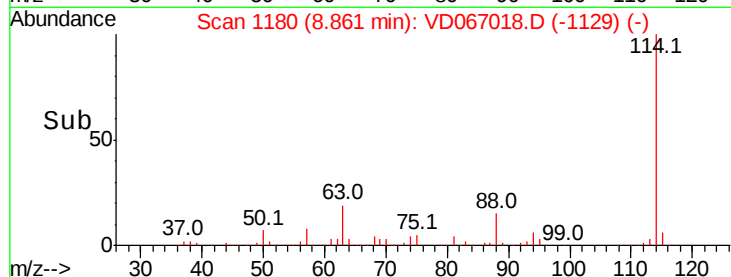
88 15.2 0.0 31.2



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: 49.337 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067018.D

Acq: 02 Oct 2020 04:14

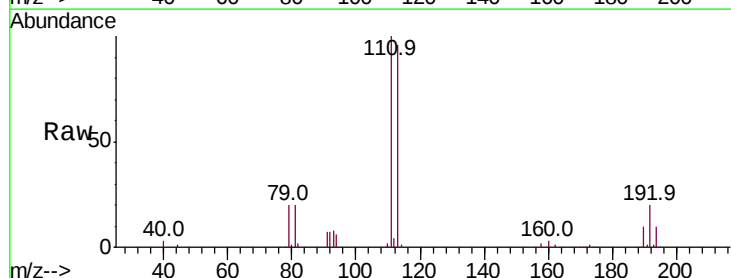
Tgt Ion:113 Resp: 214845

Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.4

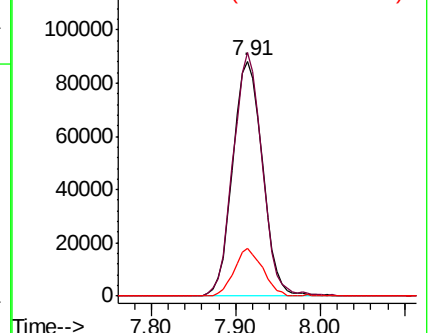
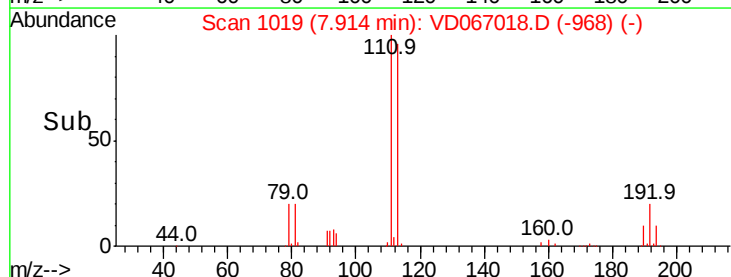
192 19.5 15.5 23.3

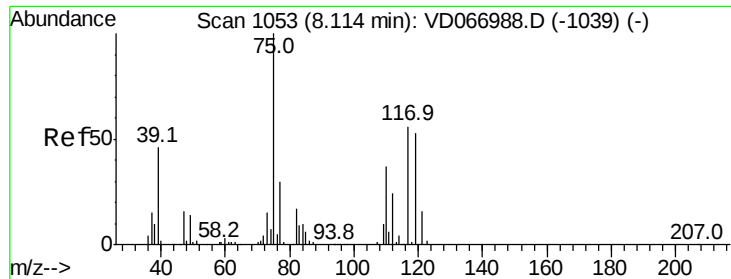


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.654 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067018.D

Acq: 02 Oct 2020 04:14

Instrument :

MSVOA_D

ClientSampleId :

RBR-251673

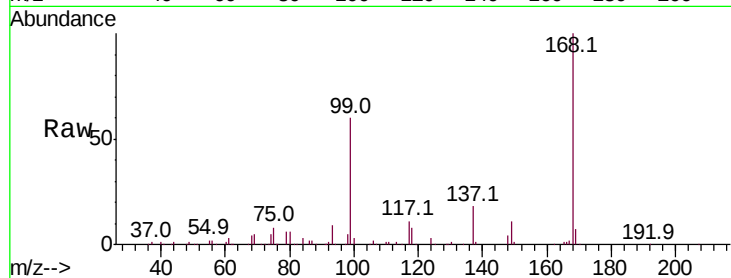
Tot Ion: 75 Resp: 28855

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

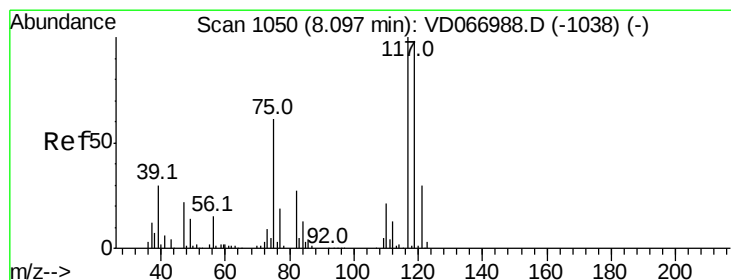
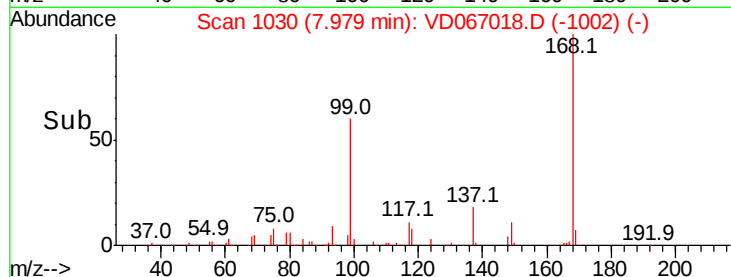
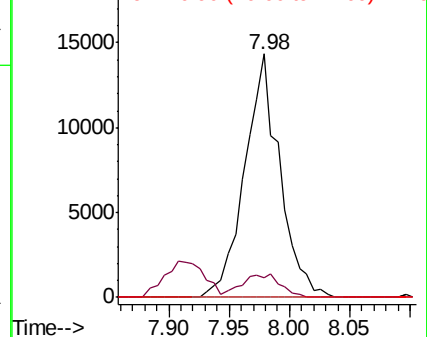
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 5.815 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067018.D

Acq: 02 Oct 2020 04:14

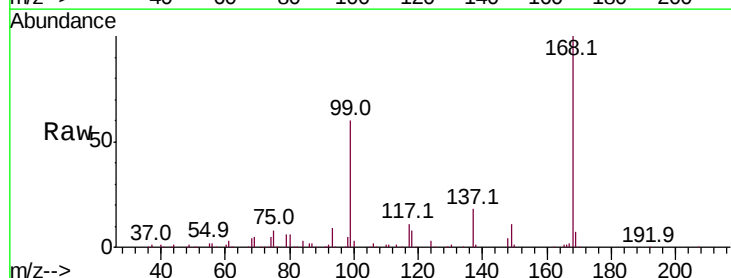
Tgt Ion: 117 Resp: 39007

Ion Ratio Lower Upper

117 100

119 3.7 78.7 118.1#

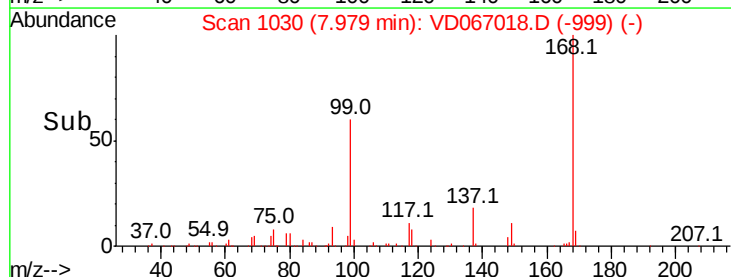
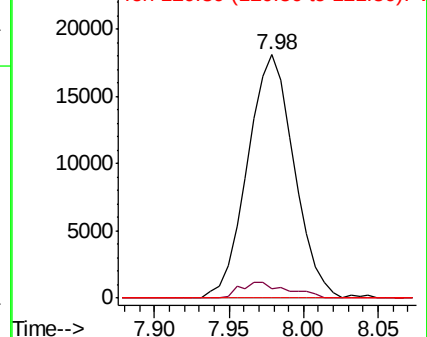
121 0.0 24.2 36.2#

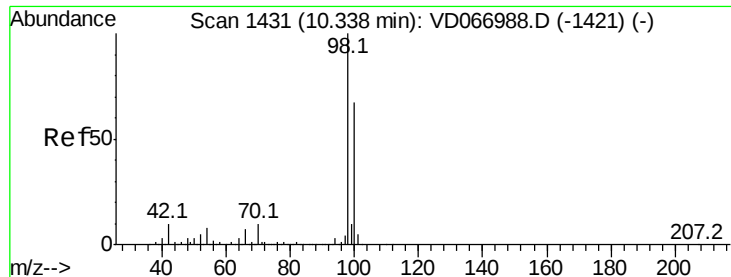


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC





#50

Toluene-d8

Concen: 50.238 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067018.D

Acq: 02 Oct 2020 04:14

Instrument :

MSVOA_D

ClientSampleId :

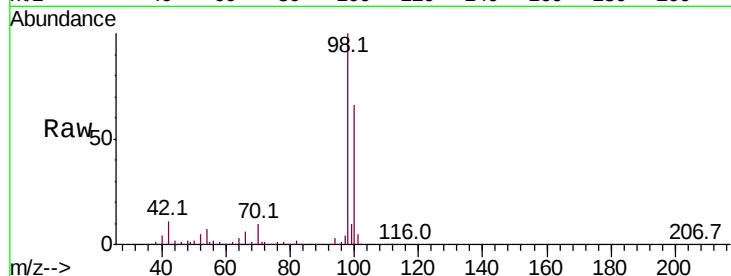
RBR-251673

Tot Ion: 98 Resp: 797164

Ion Ratio Lower Upper

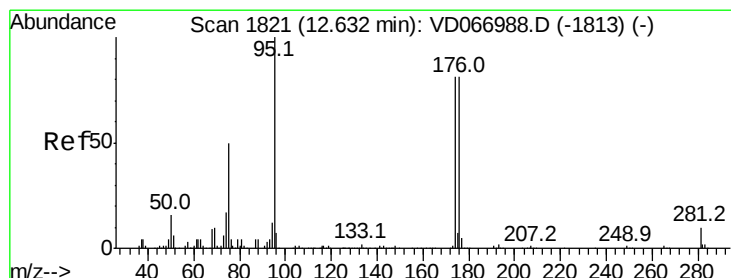
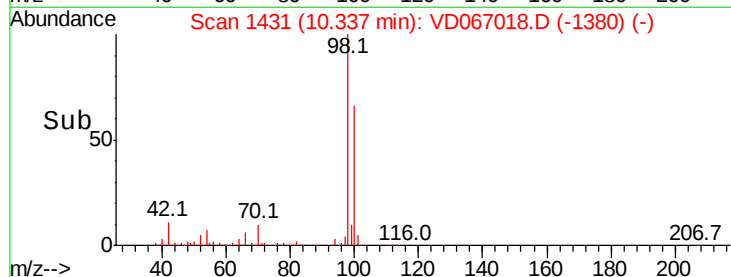
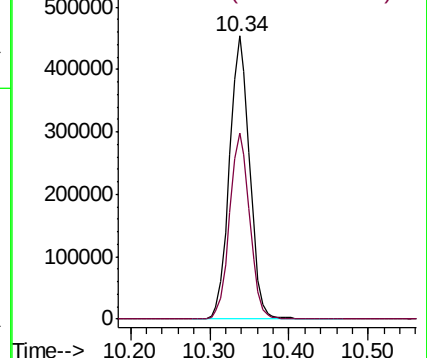
98 100

100 65.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 45.366 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067018.D

Acq: 02 Oct 2020 04:14

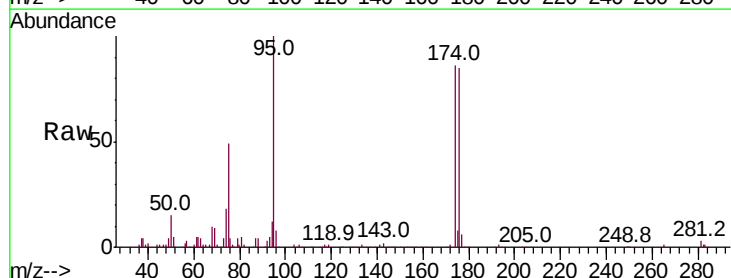
Tgt Ion: 95 Resp: 244373

Ion Ratio Lower Upper

95 100

174 84.8 0.0 167.6

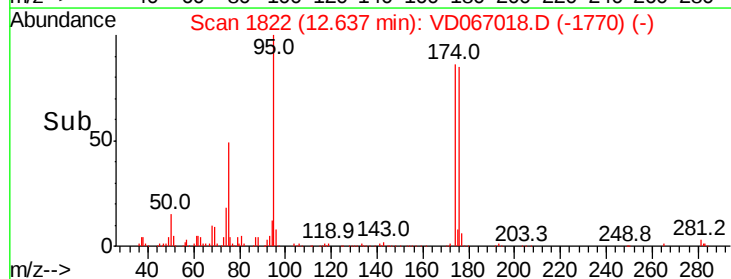
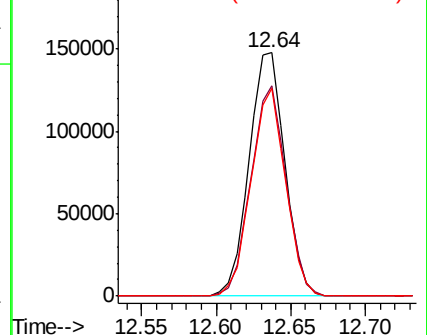
176 82.5 0.0 162.4

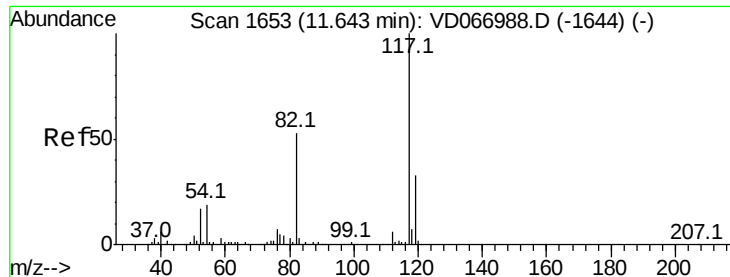


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

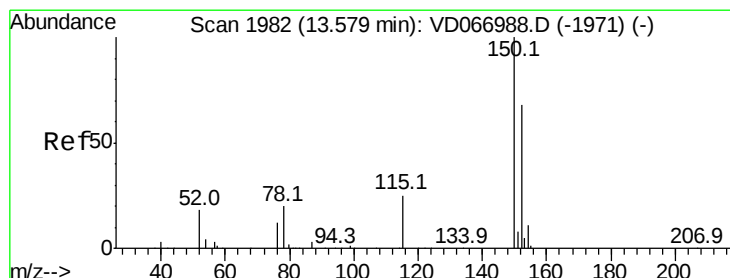
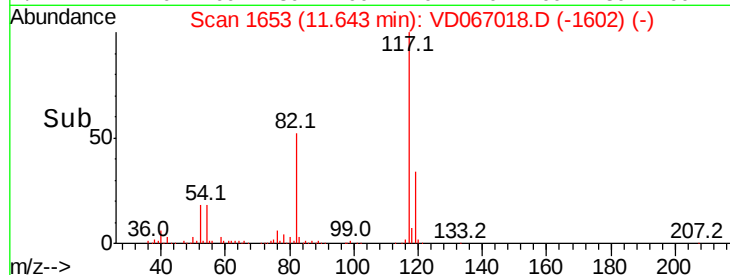
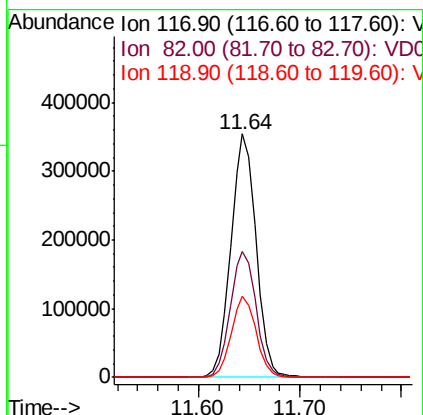
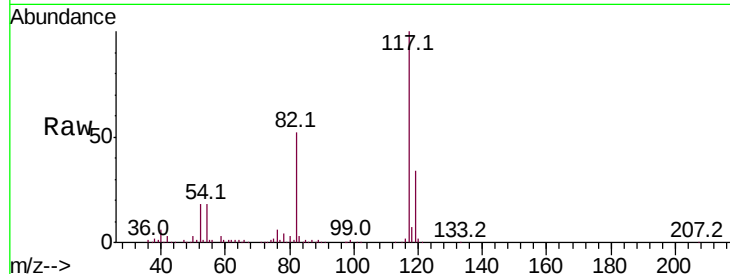




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067018.D
Acq: 02 Oct 2020 04:14

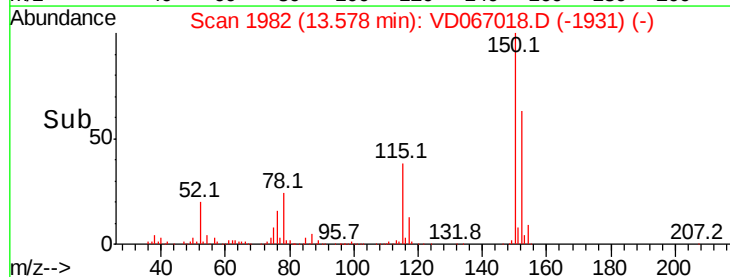
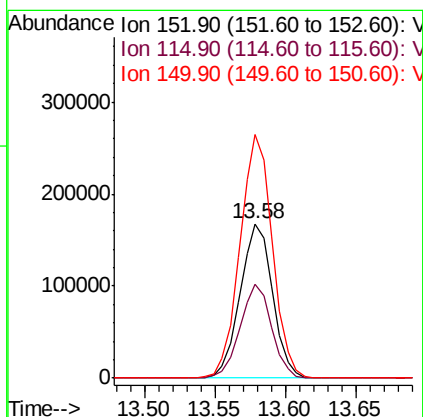
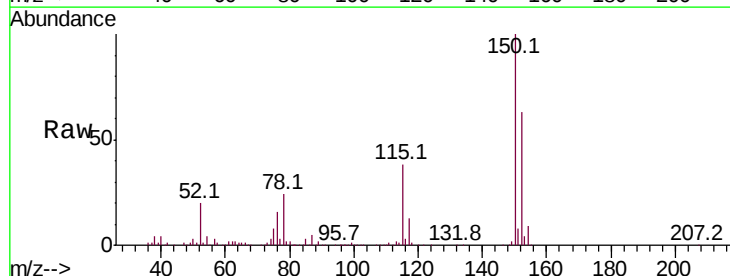
Instrument :
MSVOA_D
ClientSampleId :
RBR-251673

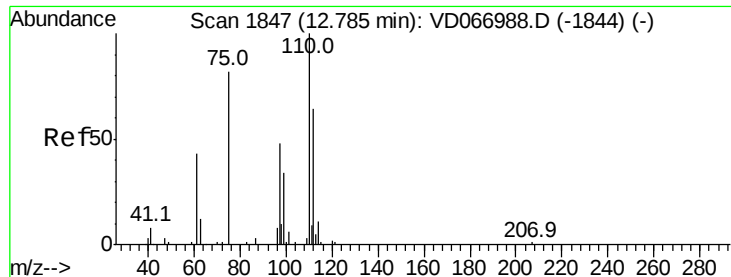
Tot Ion:117 Resp: 609017
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 33.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067018.D
Acq: 02 Oct 2020 04:14

Tgt Ion:152 Resp: 269115
Ion Ratio Lower Upper
152 100
115 58.9 29.6 88.8
150 157.6 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 52.898 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067018.D

Acq: 02 Oct 2020 04:14

Instrument :

MSVOA_D

ClientSampleId :

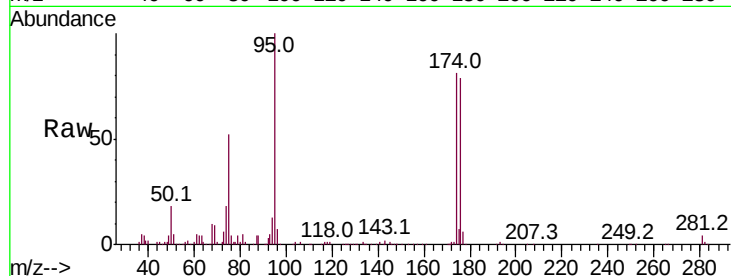
RBR-251673

Tot Ion: 75 Resp: 123998

Ion Ratio Lower Upper

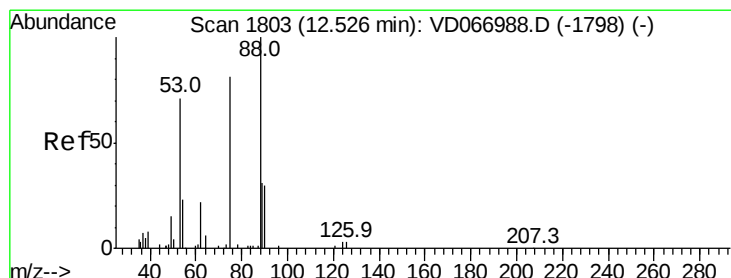
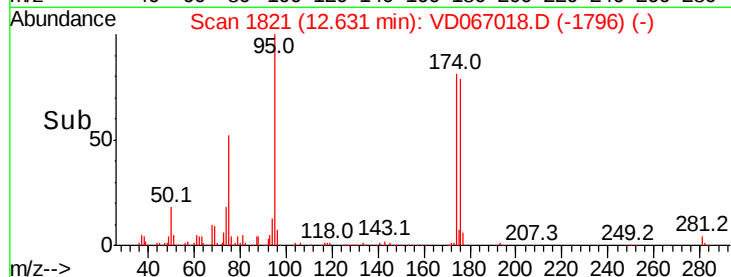
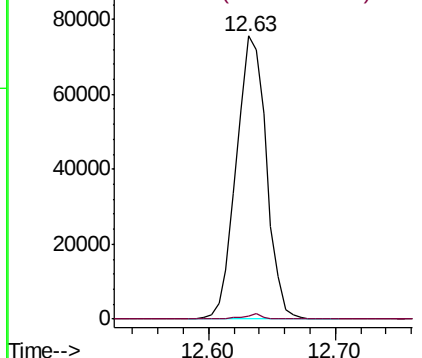
75 100

77 1.2 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: 131.882 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067018.D

Acq: 02 Oct 2020 04:14

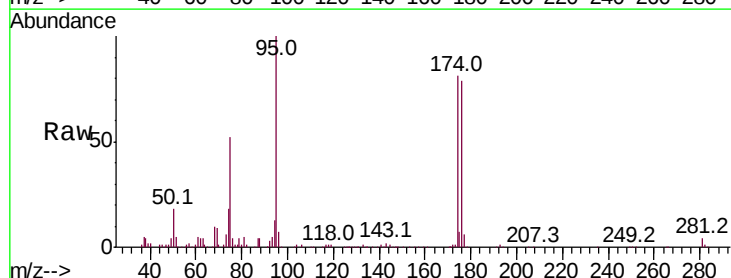
Tgt Ion: 75 Resp: 123998

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 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

