

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067045.D
 Acq On : 02 Oct 2020 19:37
 Operator : VA/SY
 Sample : L4196-01RE
 Misc : 5.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251609

Quant Time: Oct 03 04:50:07 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	484105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	808403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	748705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	343530	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	262709	56.34	ug/l	0.00
Spiked Amount			Recovery	=	112.68%	
35) Dibromofluoromethane	7.91	113	262941	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	10.34	98	948454	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.64	95	318176	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	

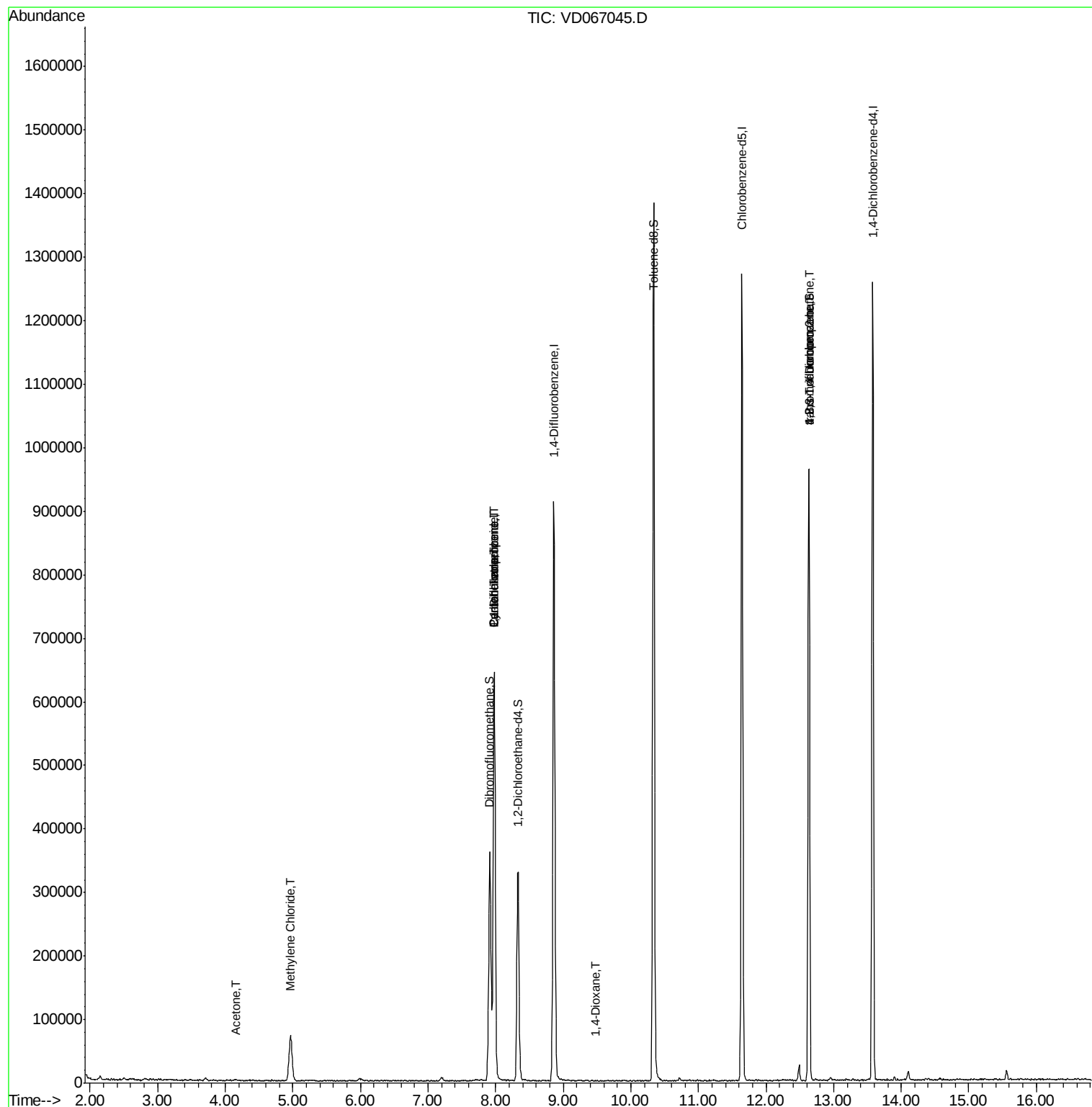
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	200	Below Cal	#	40
5) Bromomethane	2.78	94	182	Below Cal		97
11) Tert butyl alcohol	5.21	59	761	Below Cal	#	72
16) Acetone	4.15	43	3100	4.355	ug/l	95
20) Methylene Chloride	4.97	84	58754	5.099	ug/l	97
26) 2,2-Dichloropropane	7.21	77	166	Below Cal	#	53
31) Cyclohexane	7.97	56	9395	1.342	ug/l	# 1
36) 1,1-Dichloropropene	7.97	75	36550	4.851	ug/l	# 49
38) Carbon Tetrachloride	7.98	117	48027	5.891	ug/l	# 16
49) 1,4-Dioxane	9.47	88	221	7.492	ug/l	# 52
76) 1,2,3-Trichloropropane	12.63	75	155598	52.000	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	155598	129.643	ug/l	# 12

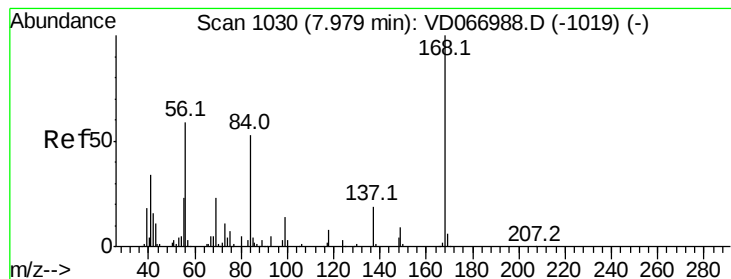
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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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: VD067045.D

Acq: 02 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

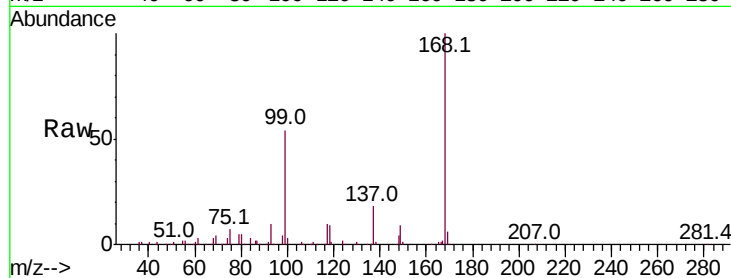
RBR-251609

Tot Ion:168 Resp: 484105

Ion Ratio Lower Upper

168 100

99 54.0 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

250000

200000

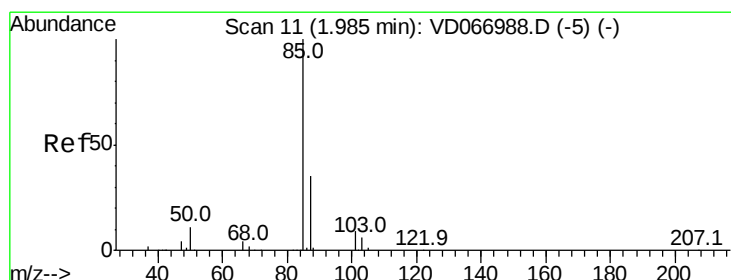
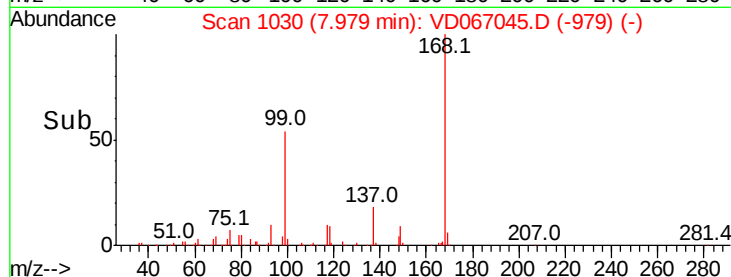
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067045.D

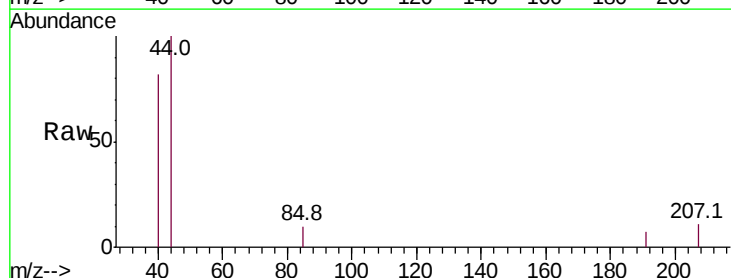
Acq: 02 Oct 2020 19:37

Tgt Ion: 85 Resp: 200

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

400

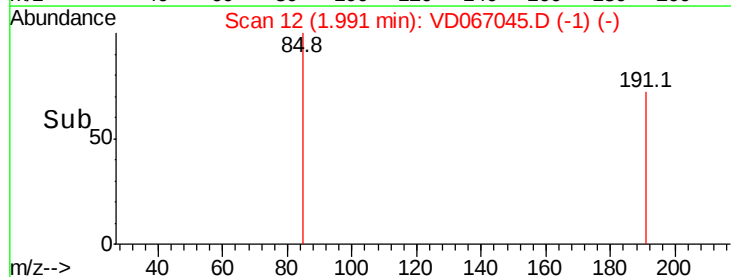
300

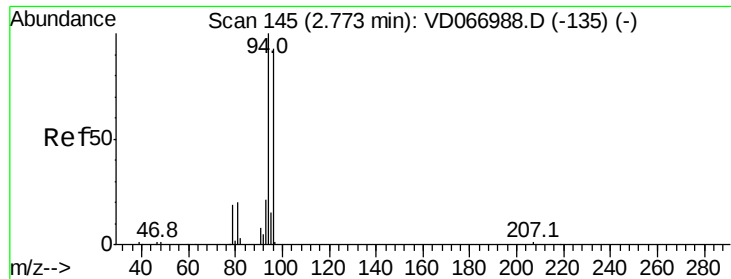
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067045.D

Acq: 02 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

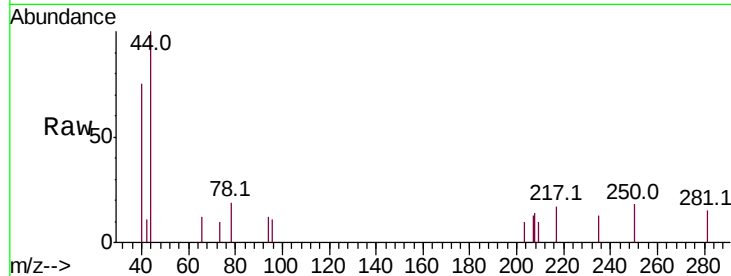
RBR-251609

Tot Ion: 94 Resp: 182

Ion Ratio Lower Upper

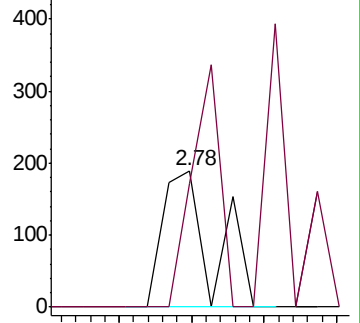
94 100

96 90.5 74.6 112.0

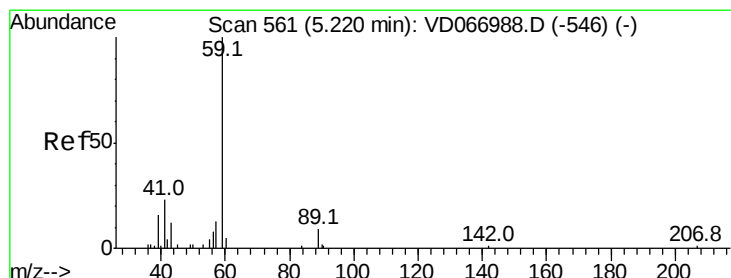
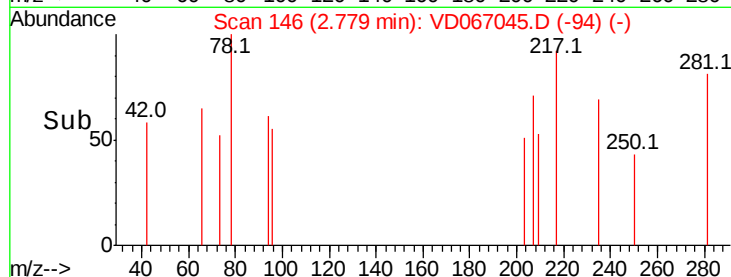


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067045.D

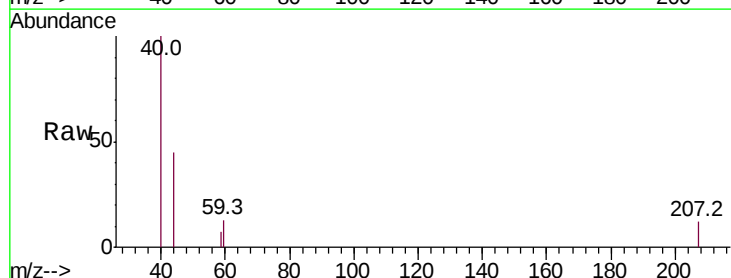
Acq: 02 Oct 2020 19:37

Tgt Ion: 59 Resp: 761

Ion Ratio Lower Upper

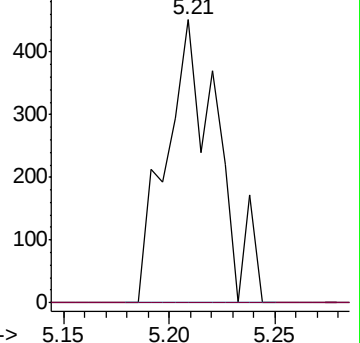
59 100

57 0.0 8.2 12.4#

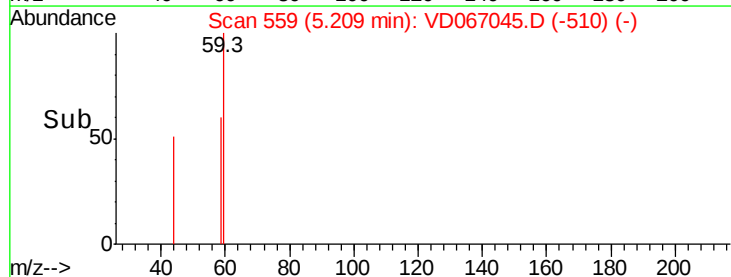


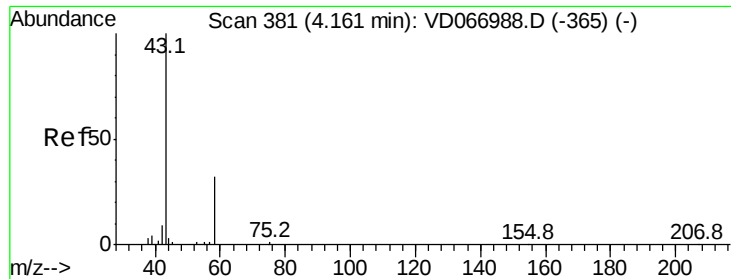
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 4.355 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067045.D

Acq: 02 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

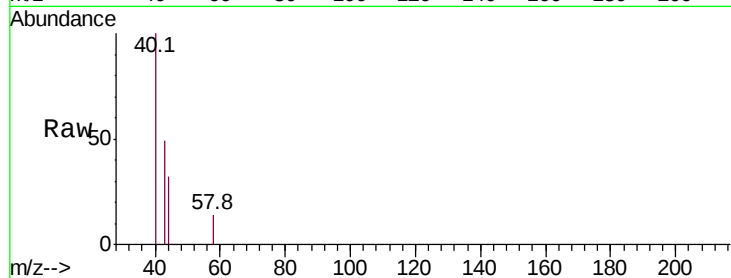
RBR-251609

Tot Ion: 43 Resp: 3100

Ion Ratio Lower Upper

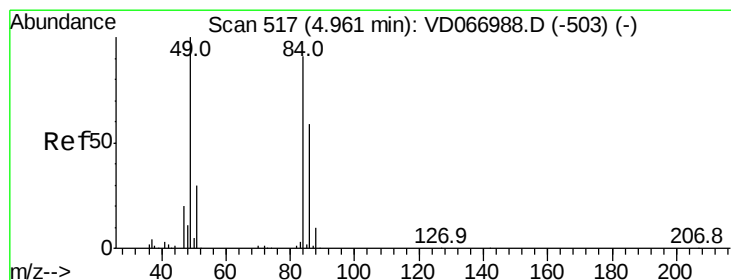
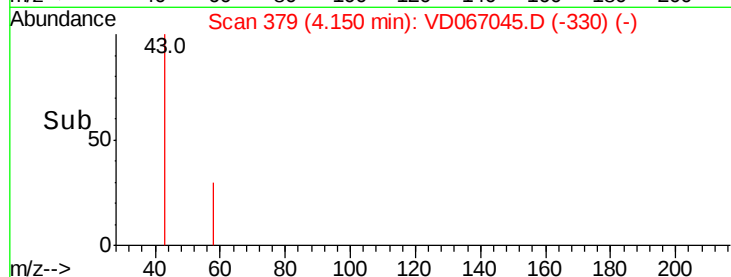
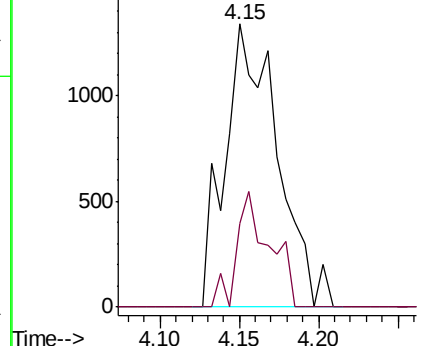
43 100

58 29.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 5.099 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067045.D

Acq: 02 Oct 2020 19:37

Tgt Ion: 84 Resp: 58754

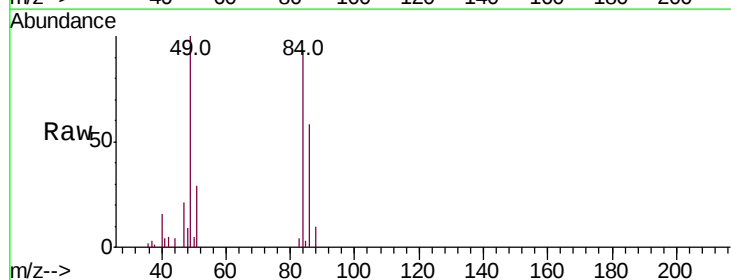
Ion Ratio Lower Upper

84 100

49 107.4 88.2 132.2

51 31.2 26.6 39.8

86 62.8 52.1 78.1

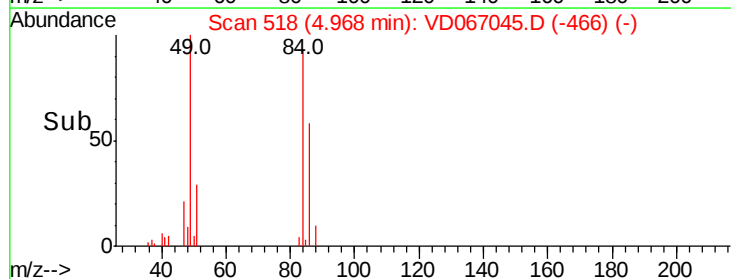
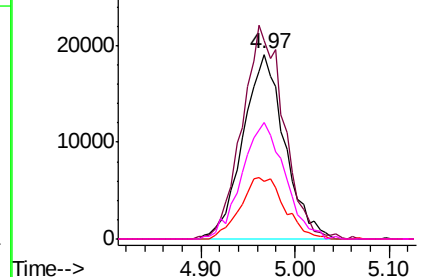


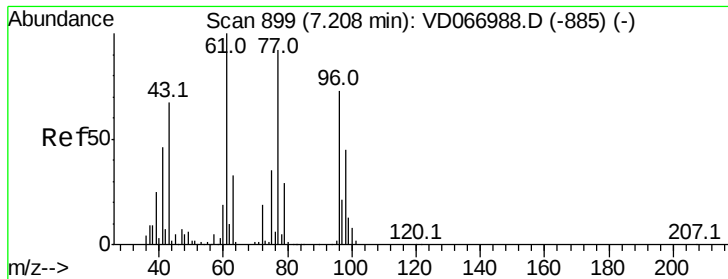
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

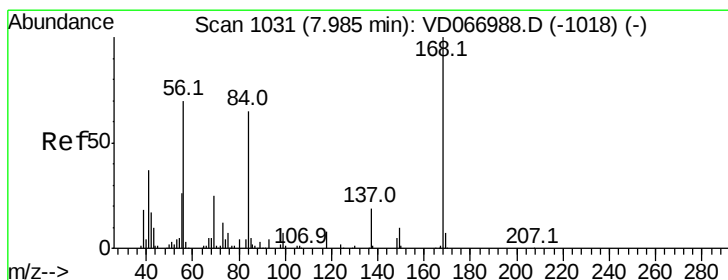
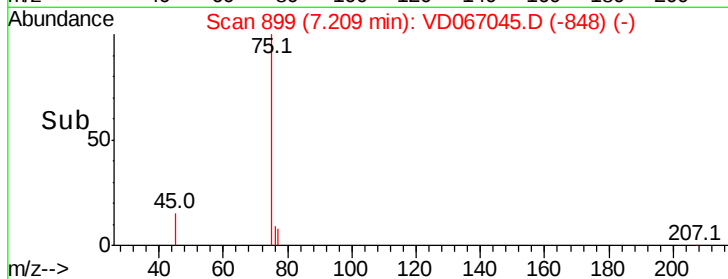
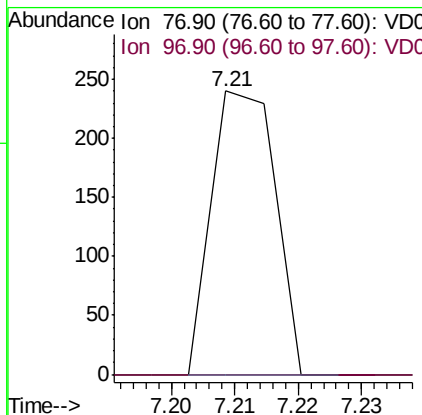
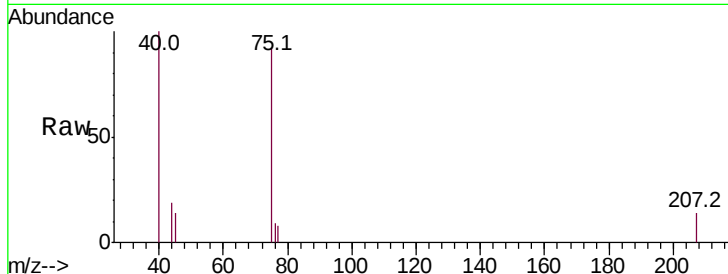




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067045.D
Acq: 02 Oct 2020 19:37

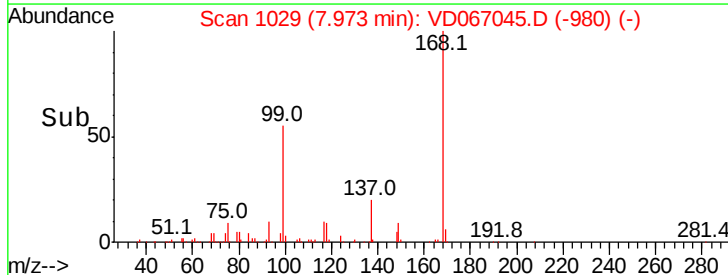
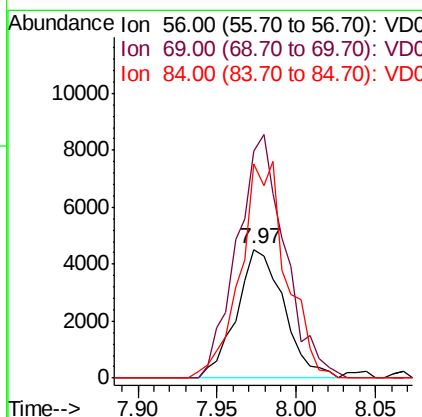
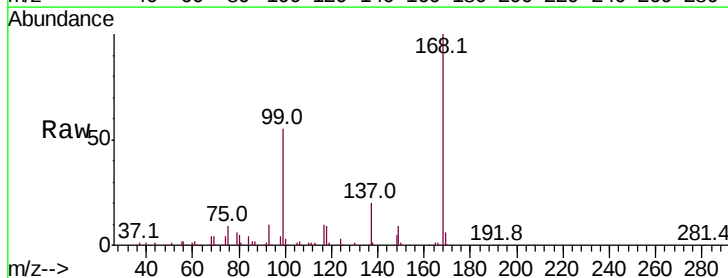
Instrument :
MSVOA_D
ClientSampleId :
RBR-251609

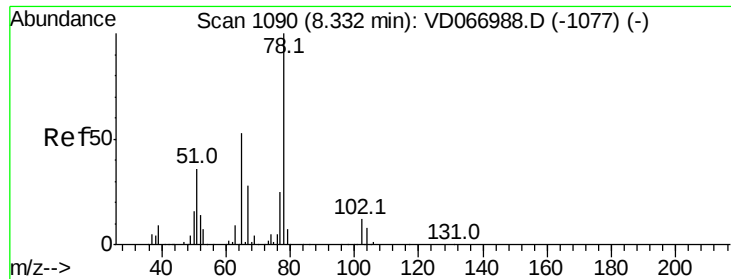
Tot Ion: 77 Resp: 166
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067045.D
Acq: 02 Oct 2020 19:37

Tgt Ion: 56 Resp: 9395
Ion Ratio Lower Upper
56 100
69 176.6 29.0 43.6#
84 166.4 74.2 111.2#

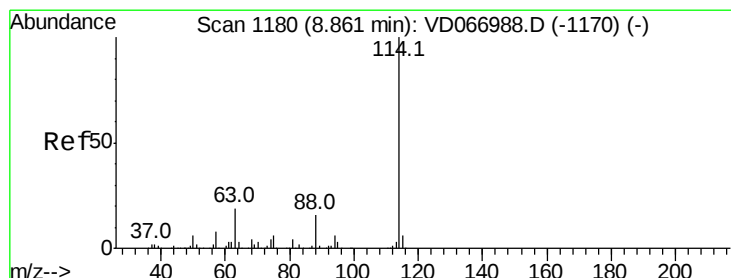
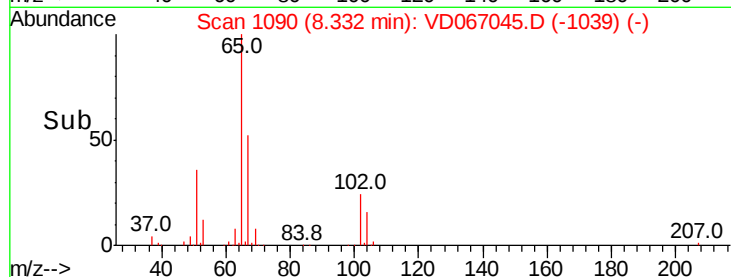
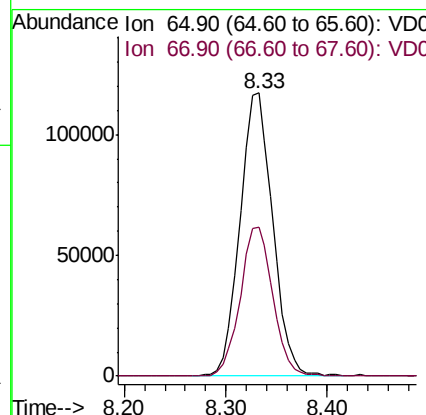
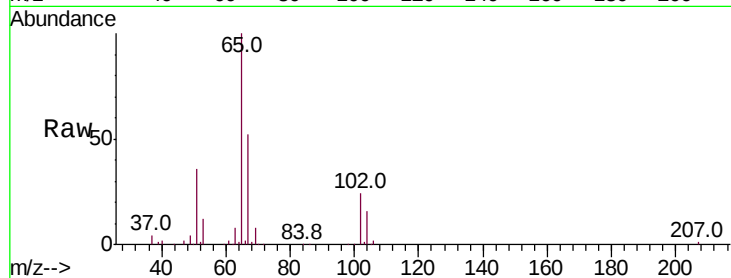




#33
 1,2-Dichloroethane-d4
 Concen: 56.341 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067045.D
 Acq: 02 Oct 2020 19:37

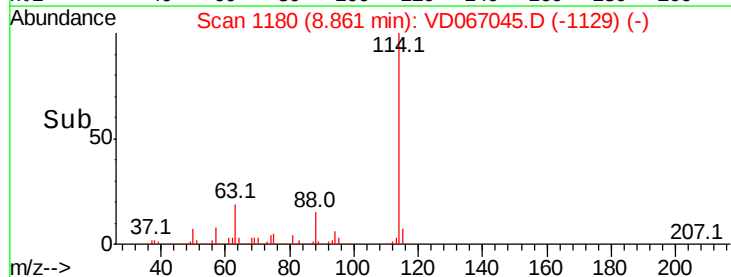
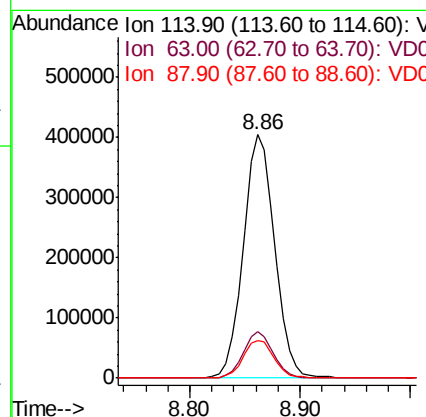
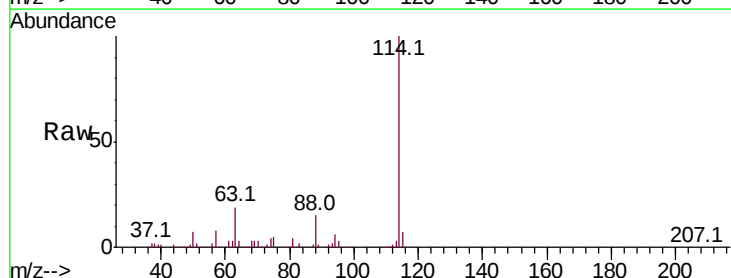
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251609

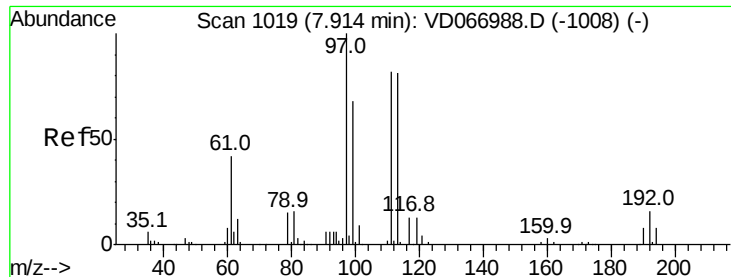
Tot Ion: 65 Resp: 262709
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067045.D
 Acq: 02 Oct 2020 19:37

Tgt Ion:114 Resp: 808403
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 15.5 0.0 31.2

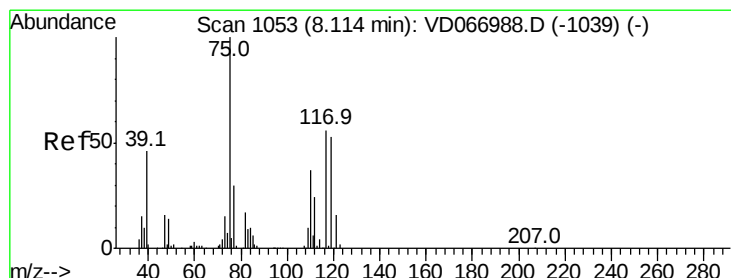
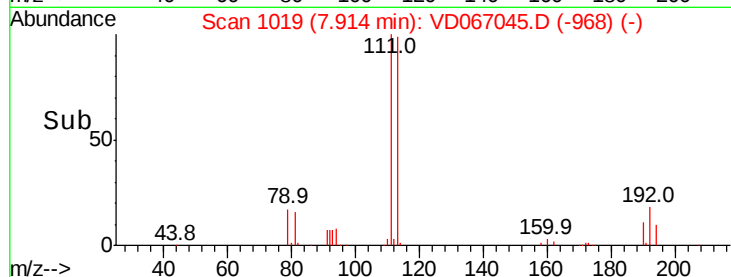
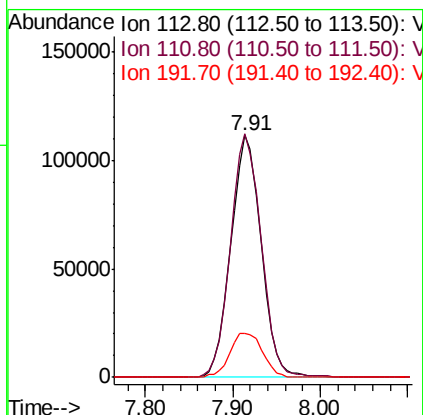
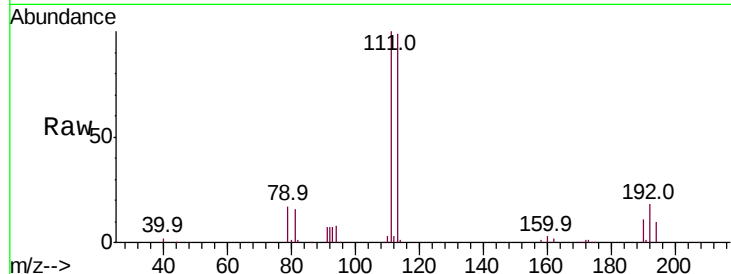




#35
 Dibromofluoromethane
 Concen: 49.682 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067045.D
 Acq: 02 Oct 2020 19:37

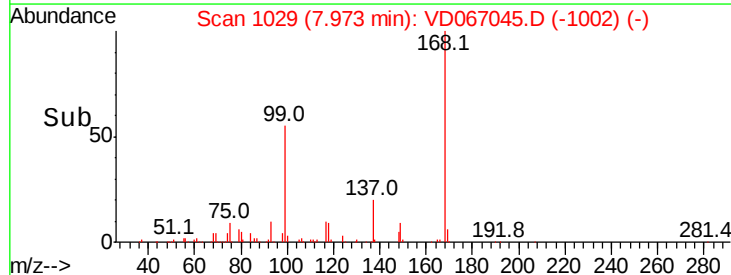
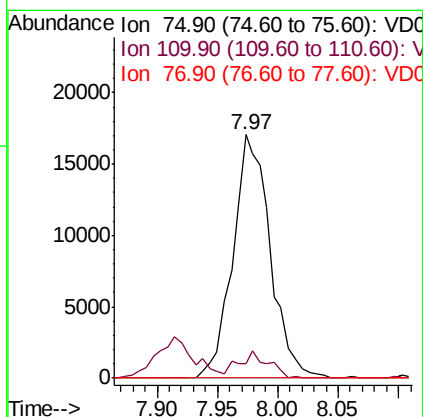
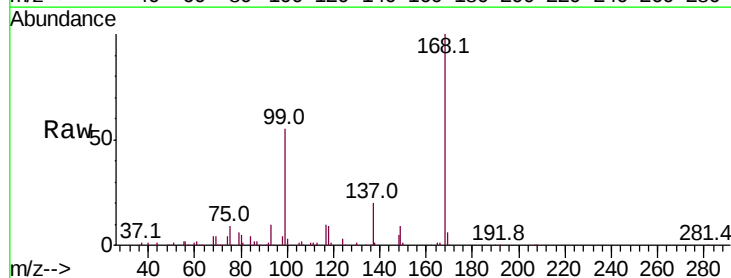
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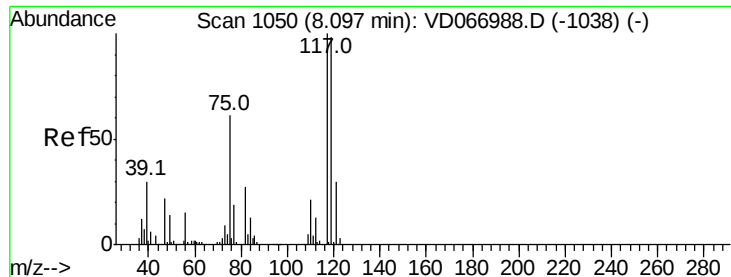
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.4
192	19.8	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.851 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD067045.D
 Acq: 02 Oct 2020 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.4	55.0#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.891 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067045.D

Acq: 02 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

RBR-251609

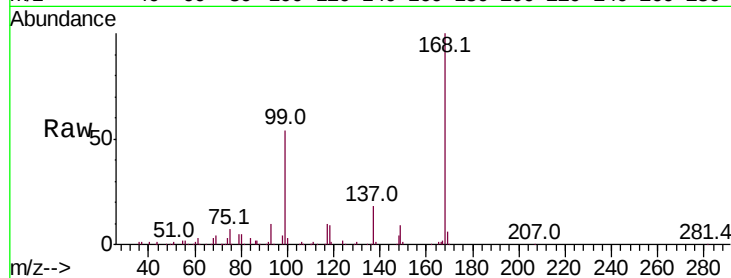
Tot Ion:117 Resp: 48027

Ion Ratio Lower Upper

117 100

119 7.0 78.7 118.1#

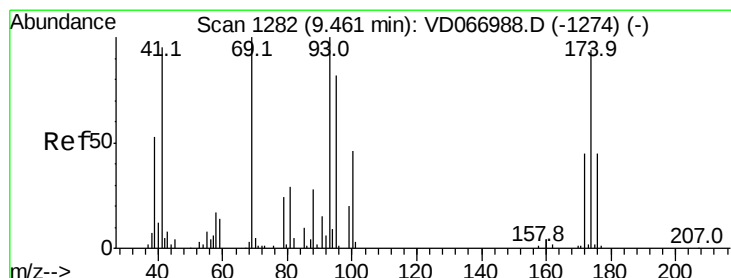
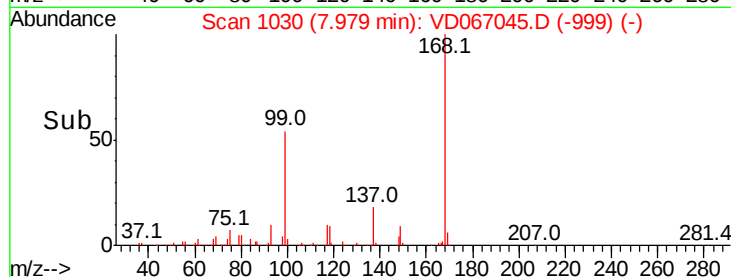
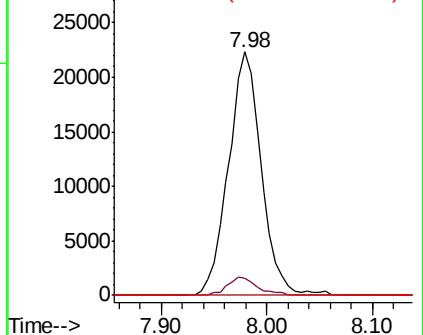
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 7.492 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067045.D

Acq: 02 Oct 2020 19:37

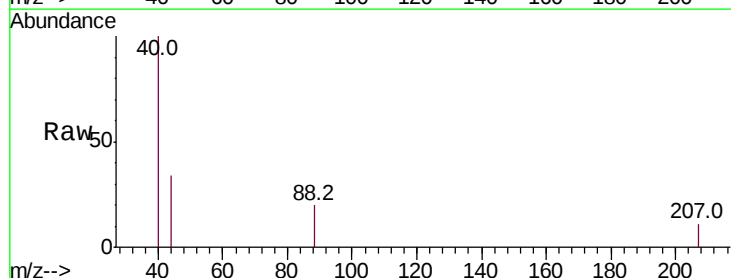
Tgt Ion: 88 Resp: 221

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

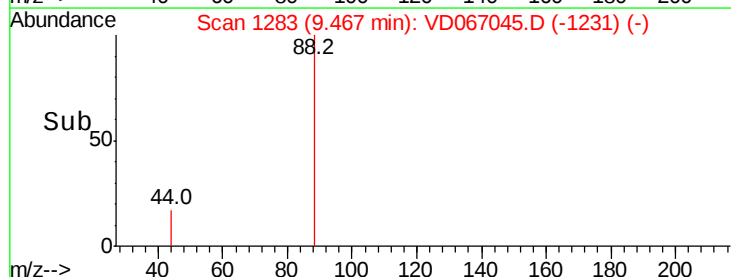
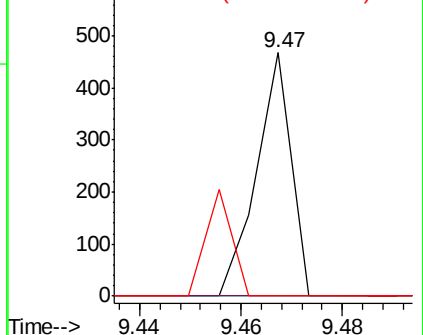
58 32.6 53.5 80.3#

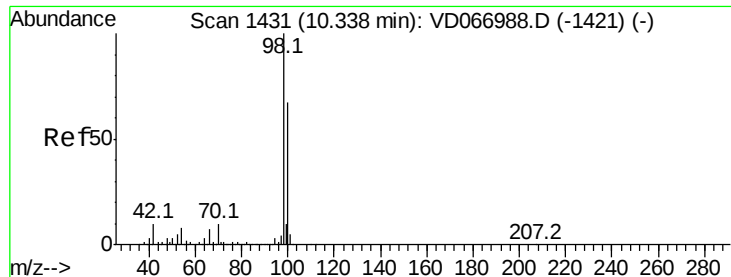


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 49.181 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067045.D

Acq: 02 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

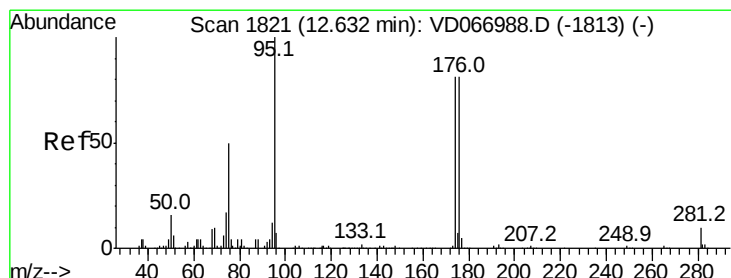
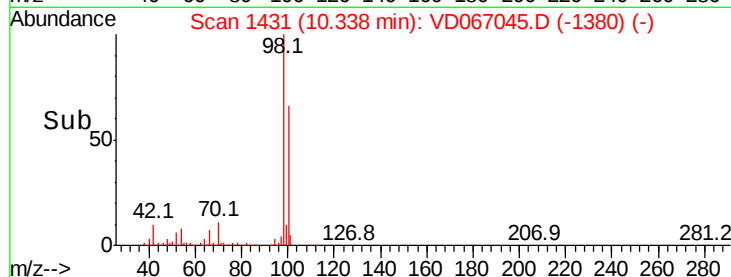
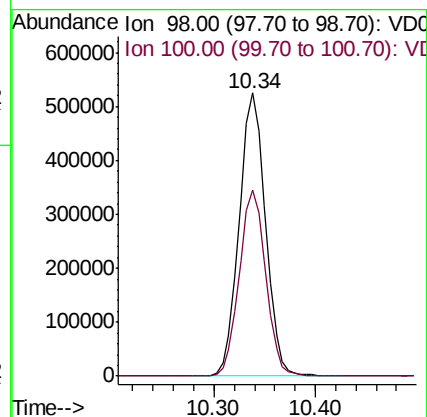
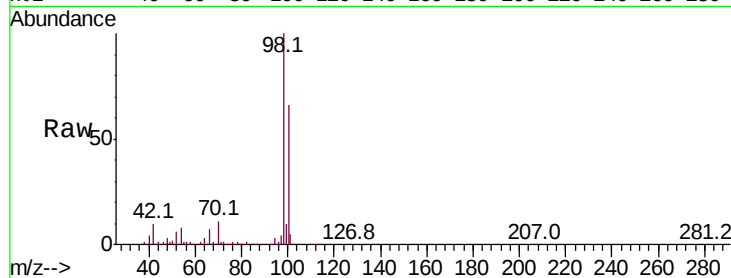
RBR-251609

Tot Ion: 98 Resp: 948454

Ion Ratio Lower Upper

98 100

100 66.1 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 48.600 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067045.D

Acq: 02 Oct 2020 19:37

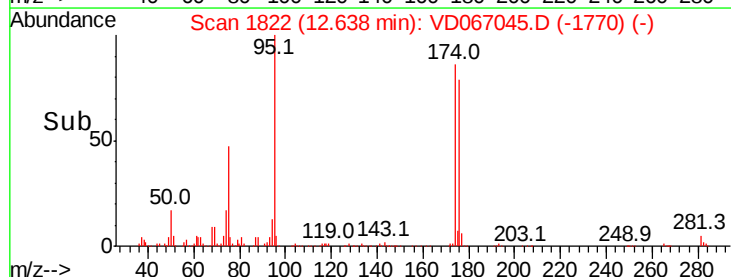
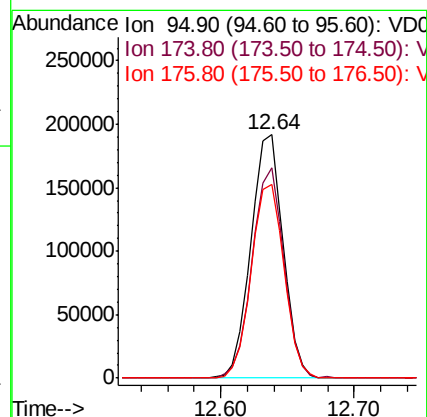
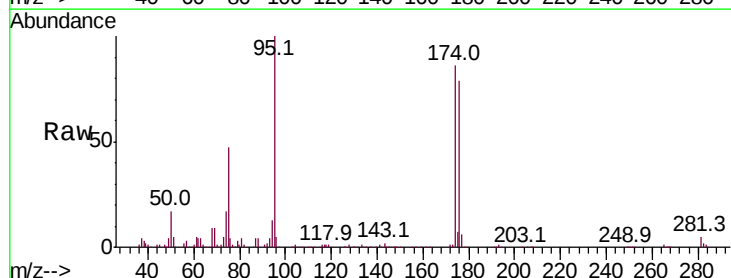
Tgt Ion: 95 Resp: 318176

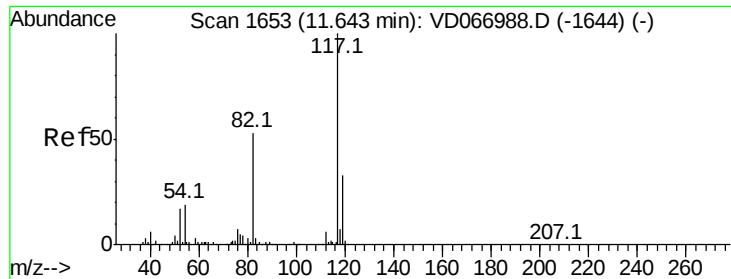
Ion Ratio Lower Upper

95 100

174 85.4 0.0 167.6

176 81.3 0.0 162.4

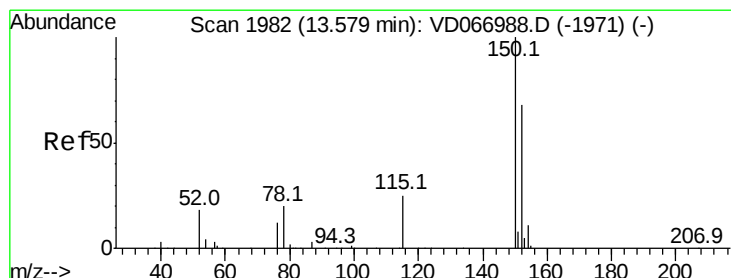
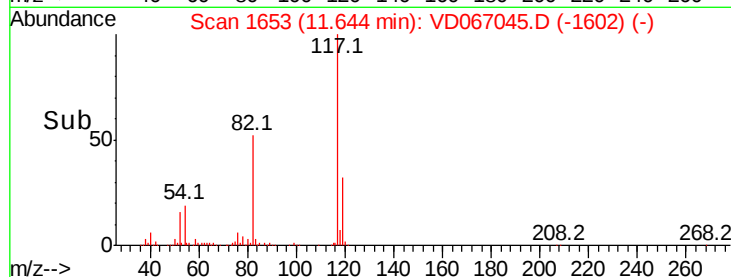
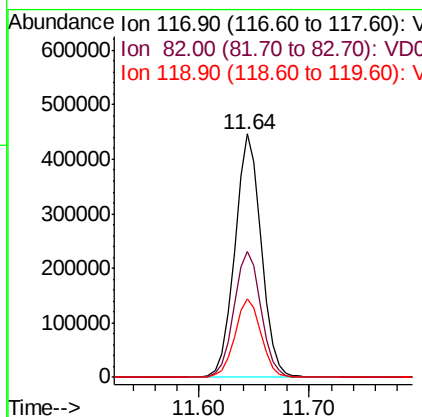
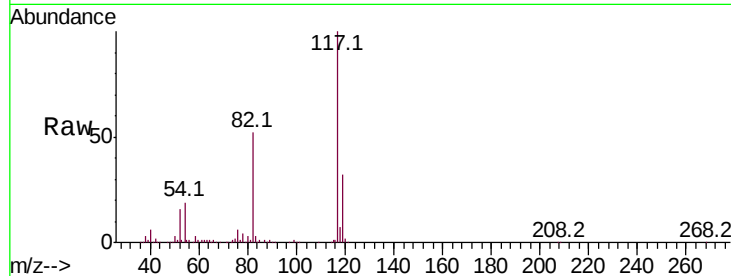




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067045.D
Acq: 02 Oct 2020 19:37

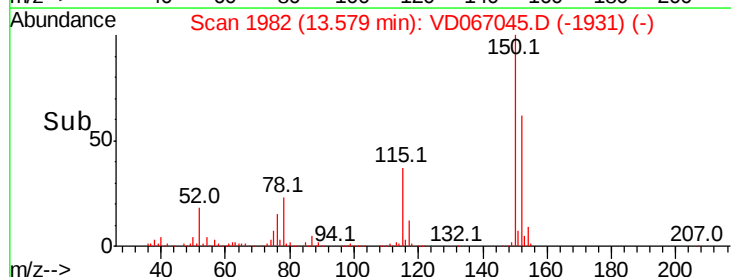
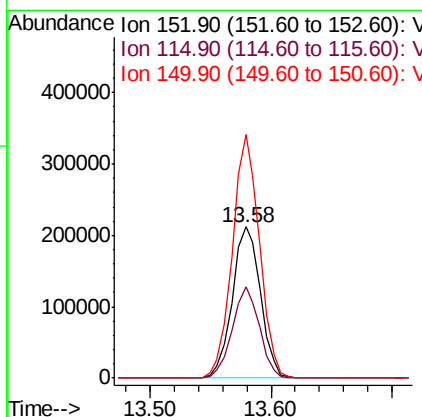
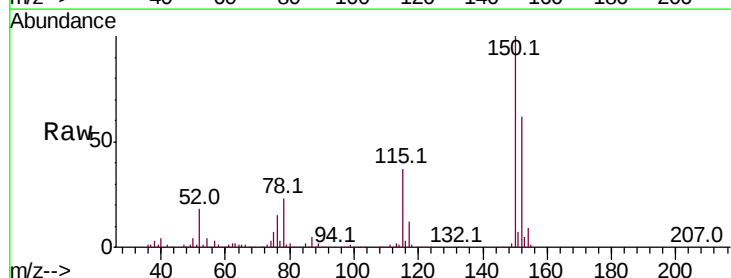
Instrument :
MSVOA_D
ClientSampleId :
RBR-251609

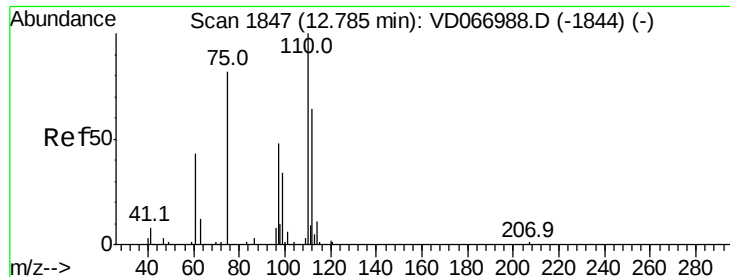
Tot Ion:117 Resp: 748705
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067045.D
Acq: 02 Oct 2020 19:37

Tgt Ion:152 Resp: 343530
Ion Ratio Lower Upper
152 100
115 58.4 29.6 88.8
150 155.2 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 52.000 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067045.D

Acq: 02 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

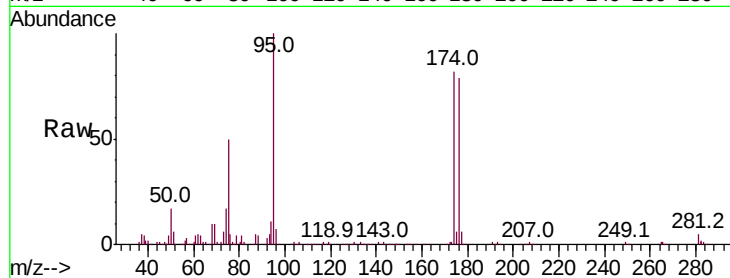
RBR-251609

Tot Ion: 75 Resp: 155598

Ion Ratio Lower Upper

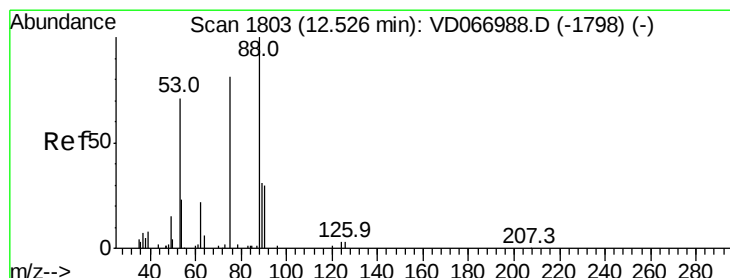
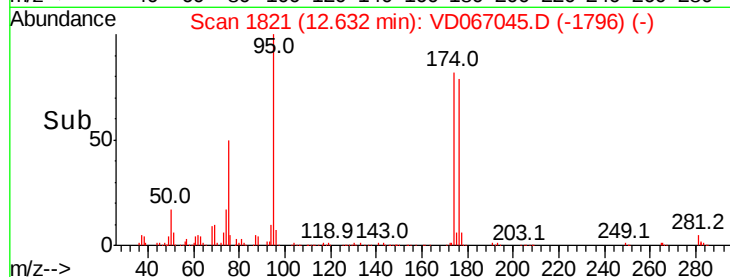
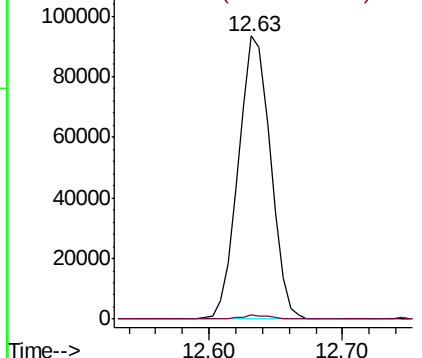
75 100

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: 129.643 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067045.D

Acq: 02 Oct 2020 19:37

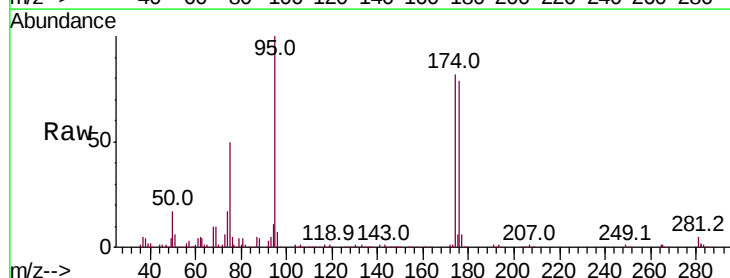
Tgt Ion: 75 Resp: 155598

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

