

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067623.D
 Acq On : 12 Nov 2020 15:13
 Operator : VA/SY
 Sample : L4725-03
 Misc : 5.73G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-31

Quant Time: Nov 13 00:30:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	359764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	578677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	575649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298444	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	173568	55.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.36%	
35) Dibromofluoromethane	7.92	113	178121	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
50) Toluene-d8	10.34	98	658962	53.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.64	95	262443	62.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.08%	

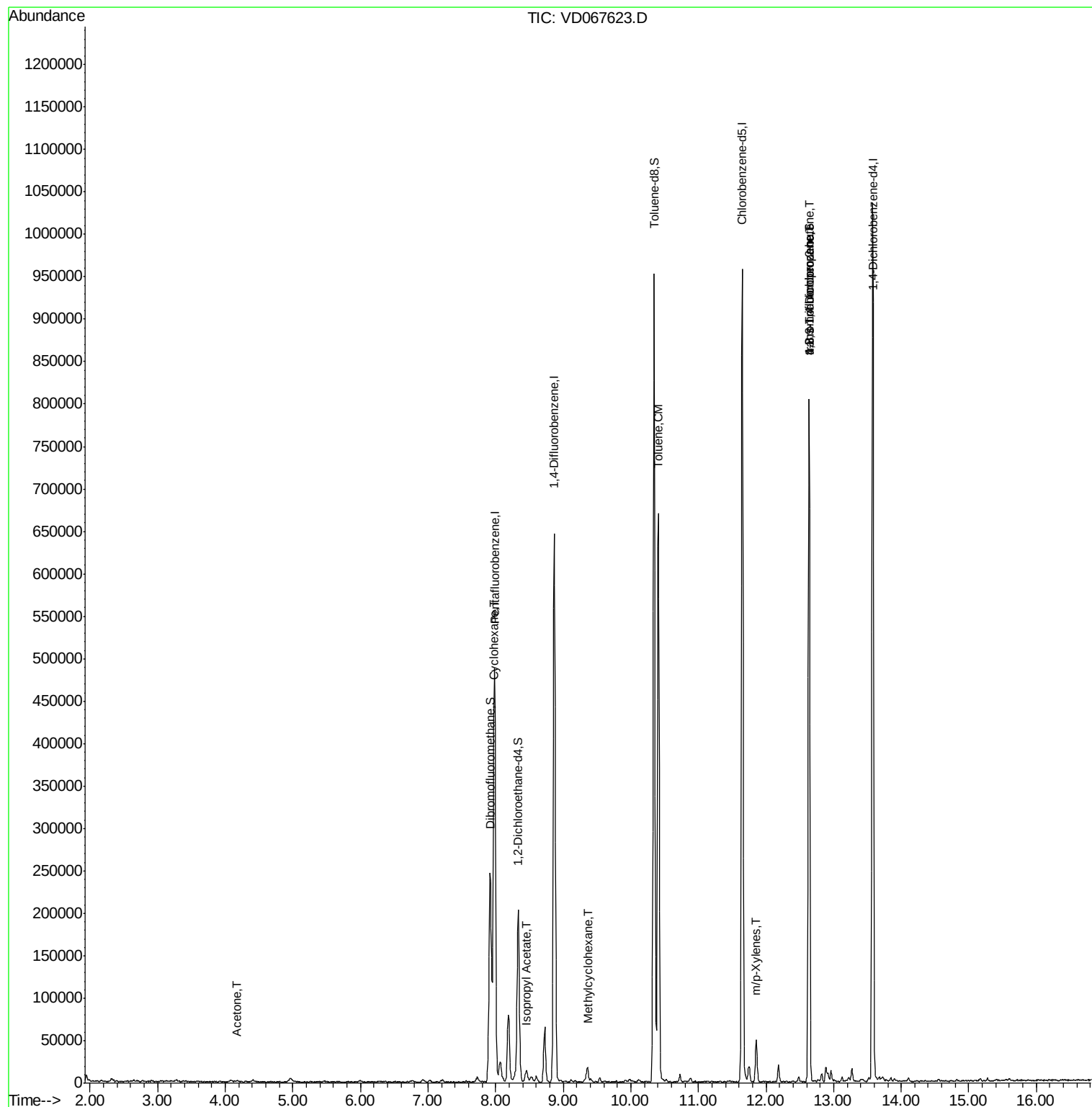
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	845	Below Cal	#	42
16) Acetone	4.17	43	2345	4.981	ug/l #	43
31) Cyclohexane	7.97	56	19997	4.383	ug/l #	47
39) Methylcyclohexane	9.37	83	6236	1.070	ug/l	90
43) Isopropyl Acetate	8.45	43	5171	2.033	ug/l #	44
52) Toluene	10.41	92	304319	33.862	ug/l	100
68) m/p-Xylenes	11.86	106	16610	2.250	ug/l	95
76) 1,2,3-Trichloropropane	12.64	75	129740	72.062	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	129740	146.306	ug/l #	10

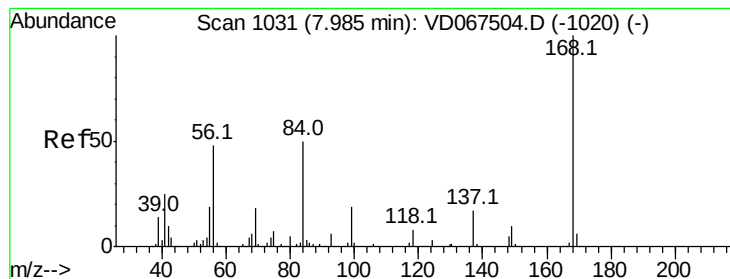
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 13 00:30:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067623.D

Acq: 12 Nov 2020 15:13

Instrument :

MSVOA_D

ClientSampleID :

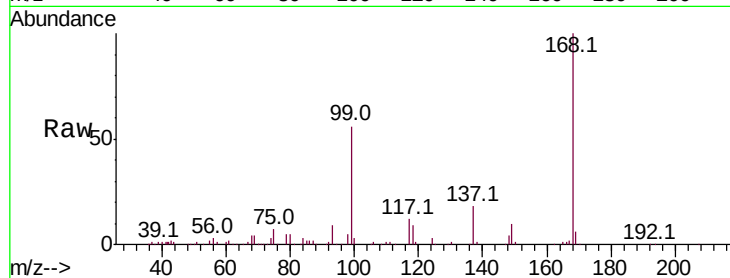
RBR-31

Tot Ion:168 Resp: 359764

Ion Ratio Lower Upper

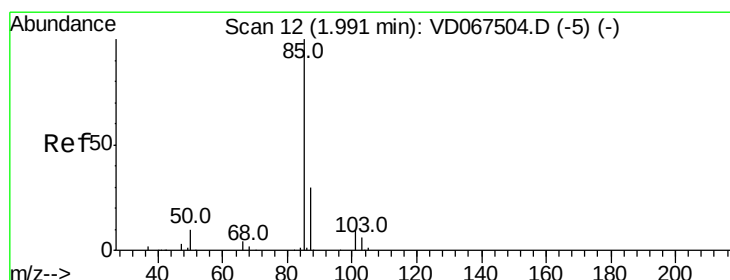
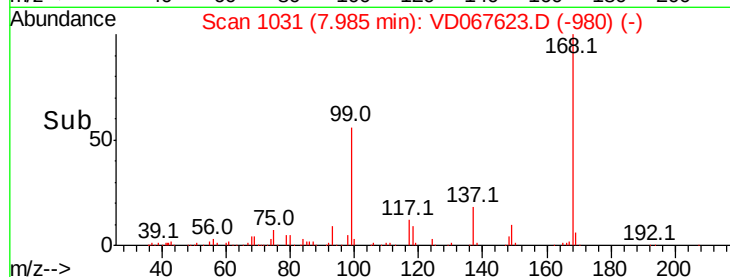
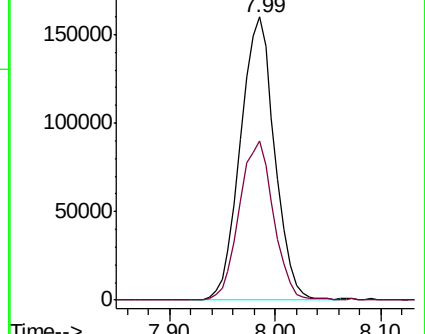
168 100

99 56.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067623.D

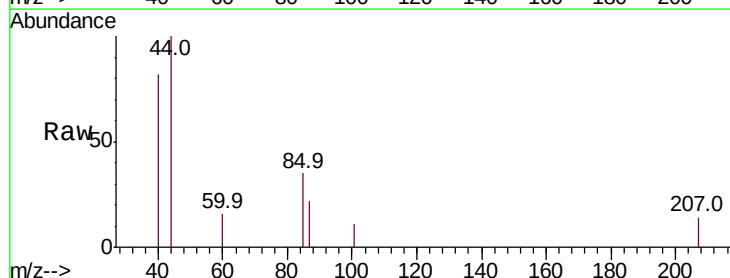
Acq: 12 Nov 2020 15:13

Tgt Ion: 85 Resp: 845

Ion Ratio Lower Upper

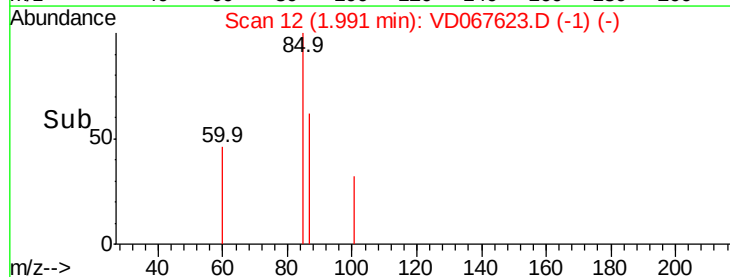
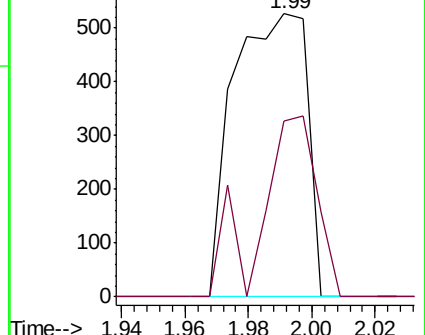
85 100

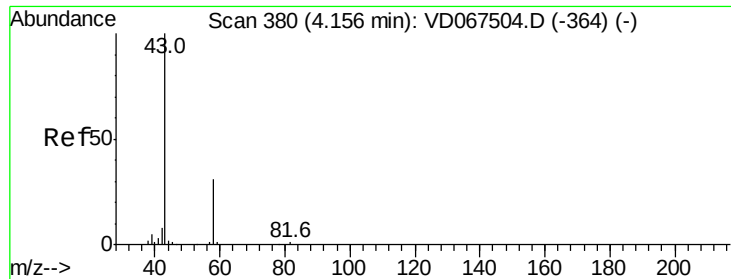
87 62.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 4.981 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067623.D

Acq: 12 Nov 2020 15:13

Instrument :

MSVOA_D

ClientSampled :

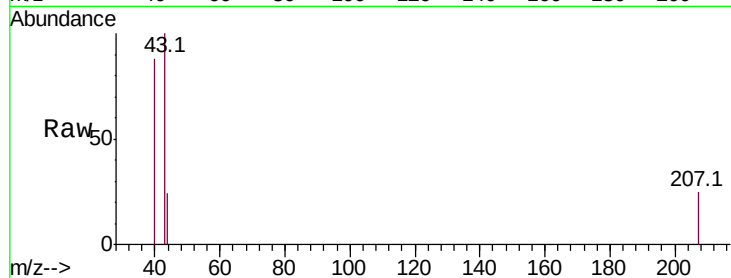
RBR-31

Tot Ion: 43 Resp: 2345

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1200

1000

800

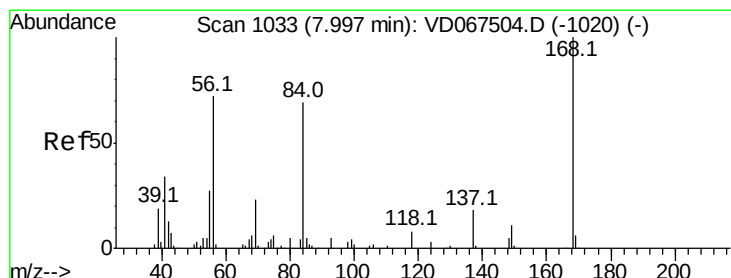
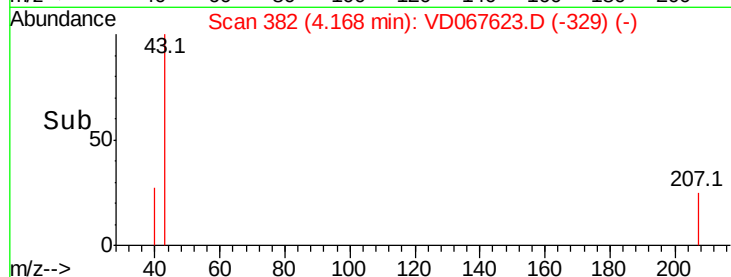
600

400

200

0

Time--> 4.10 4.15 4.20



#31

Cyclohexane

Concen: 4.383 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.03 min

Lab File: VD067623.D

Acq: 12 Nov 2020 15:13

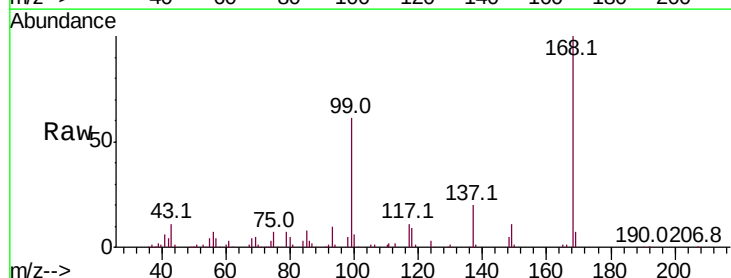
Tgt Ion: 56 Resp: 19997

Ion Ratio Lower Upper

56 100

69 67.9 25.9 38.9#

84 47.4 76.2 114.4#



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

8000

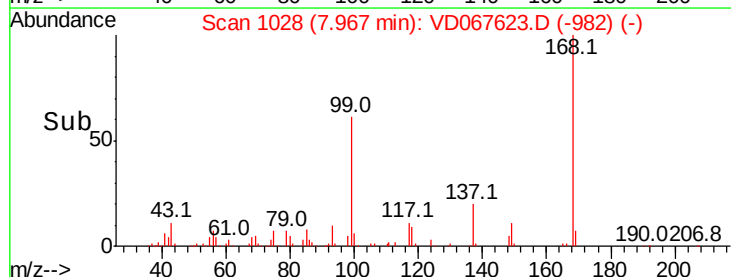
6000

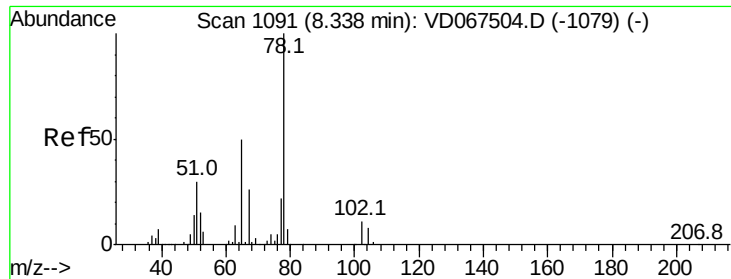
4000

2000

0

Time--> 7.90 7.95 8.00 8.05

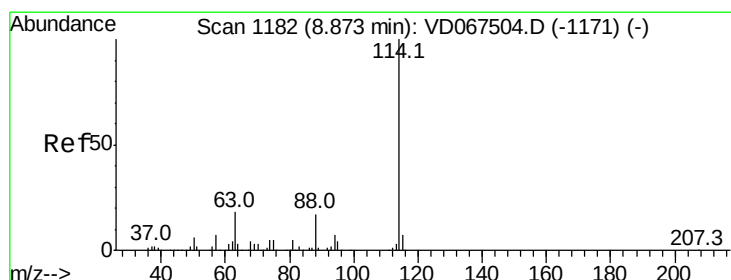
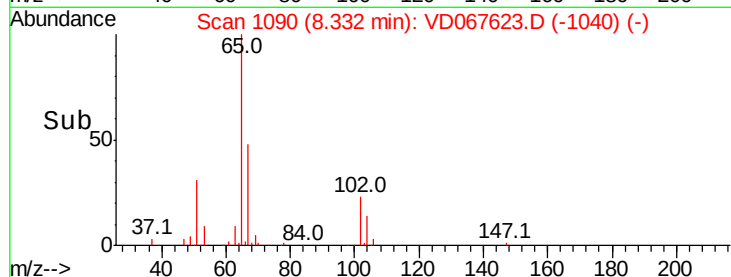
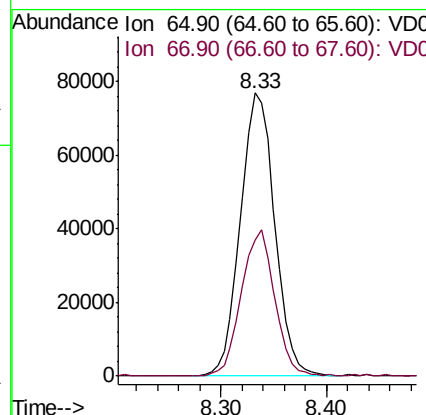
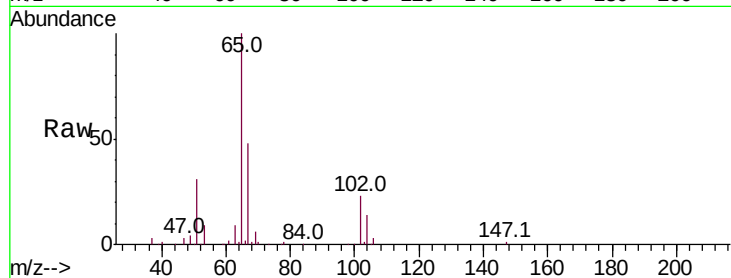




#33
 1,2-Dichloroethane-d4
 Concen: 55.176 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067623.D
 Acq: 12 Nov 2020 15:13

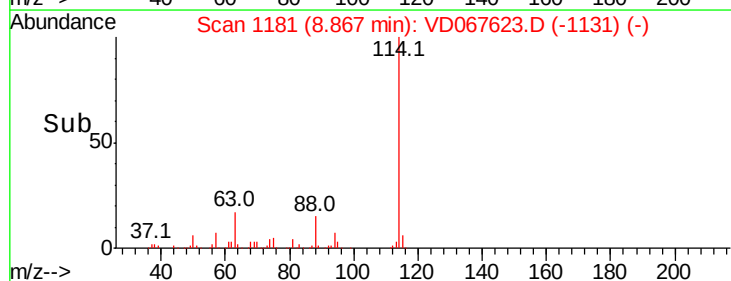
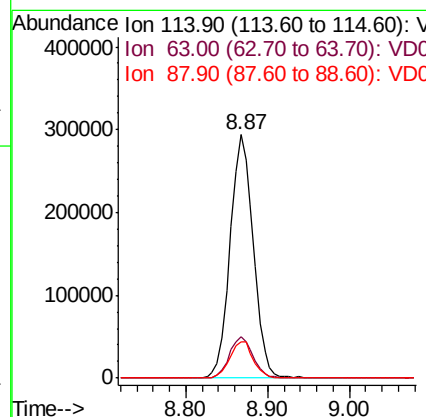
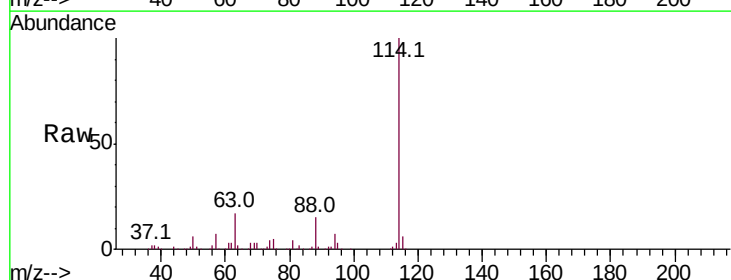
Instrument :
 MSVOA_D
 ClientSampled :
 RBR-31

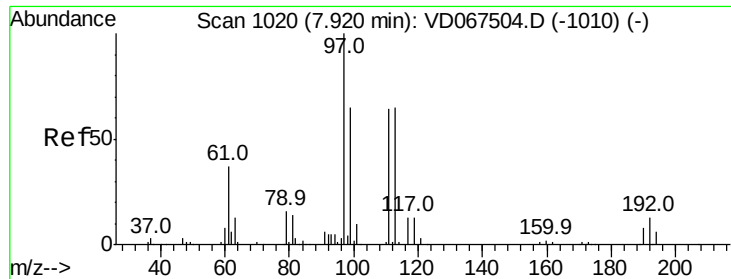
Tot Ion: 65 Resp: 173568
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067623.D
 Acq: 12 Nov 2020 15:13

Tgt Ion: 114 Resp: 578677
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.0
 88 15.1 0.0 33.0

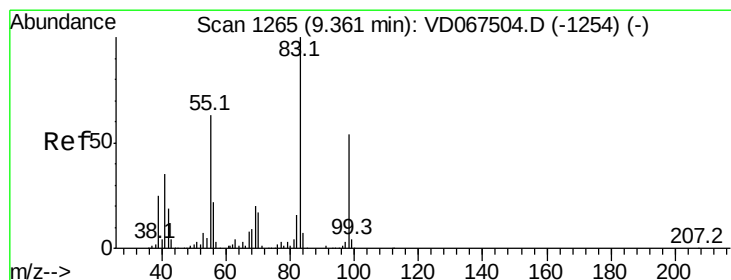
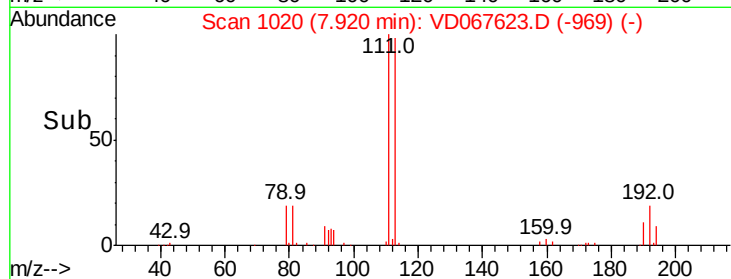
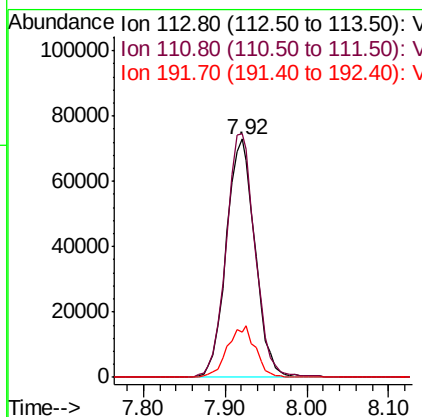
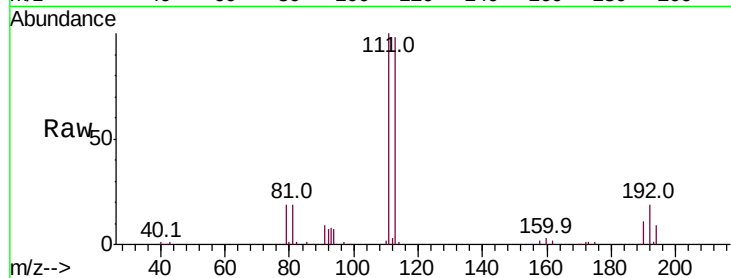




#35
 Dibromofluoromethane
 Concen: 51.089 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067623.D
 Acq: 12 Nov 2020 15:13

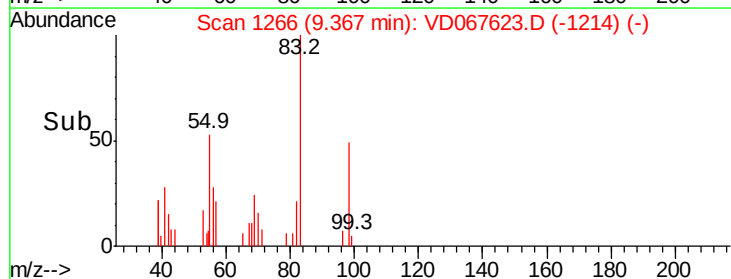
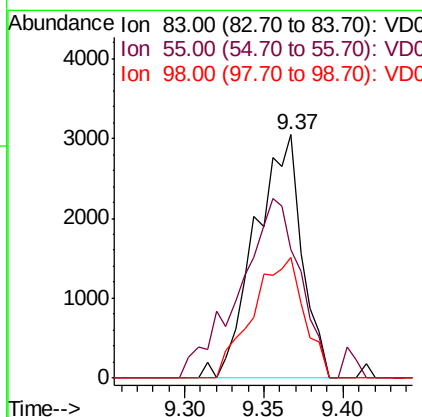
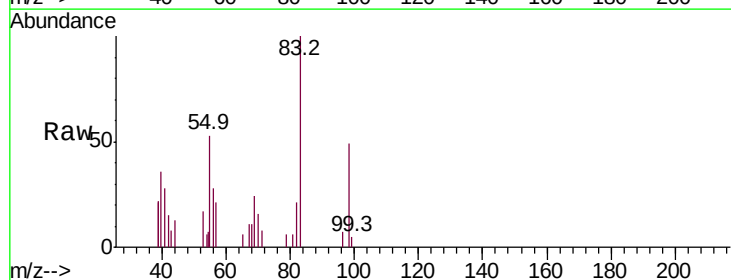
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-31

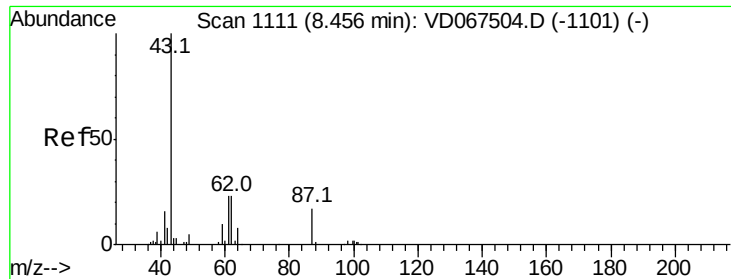
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.0	120.0
192	21.0	16.3	24.5



#39
 Methylcyclohexane
 Concen: 1.070 ug/l
 RT: 9.37 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VD067623.D
 Acq: 12 Nov 2020 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	52.9	50.5	75.7
98	49.4	43.4	65.0





#43

Isopropyl Acetate

Concen: 2.033 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067623.D

Acq: 12 Nov 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

RBR-31

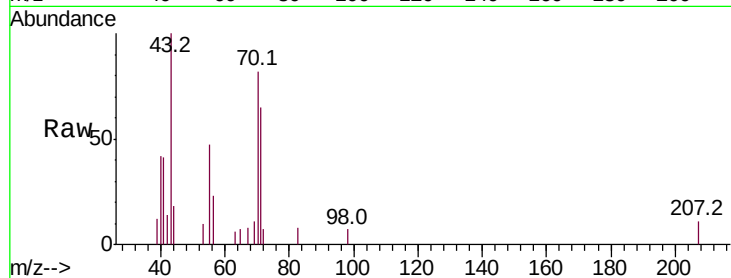
Tot Ion: 43 Resp: 5171

Ion Ratio Lower Upper

43 100

61 0.0 30.5 45.7#

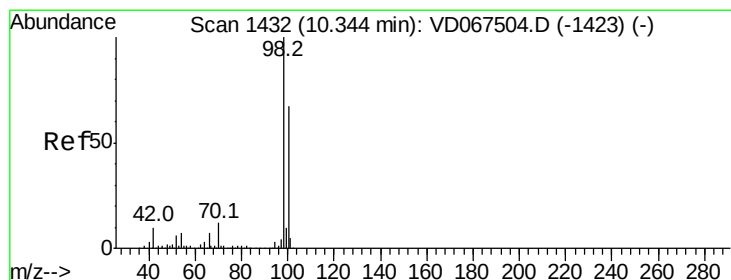
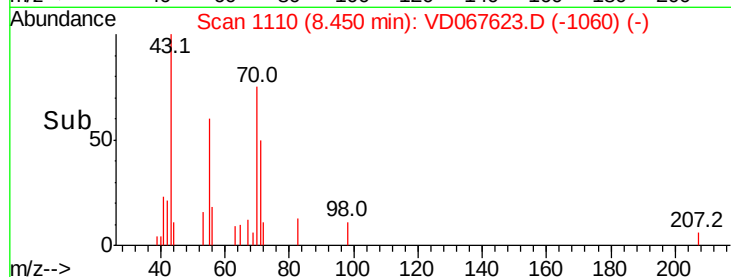
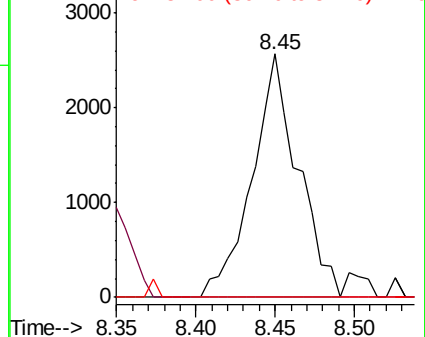
87 0.0 14.7 22.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: 53.782 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067623.D

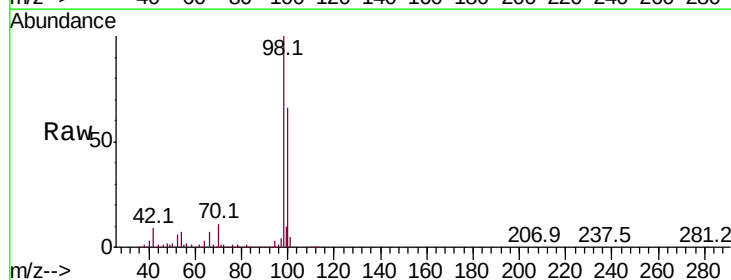
Acq: 12 Nov 2020 15:13

Tgt Ion: 98 Resp: 658962

Ion Ratio Lower Upper

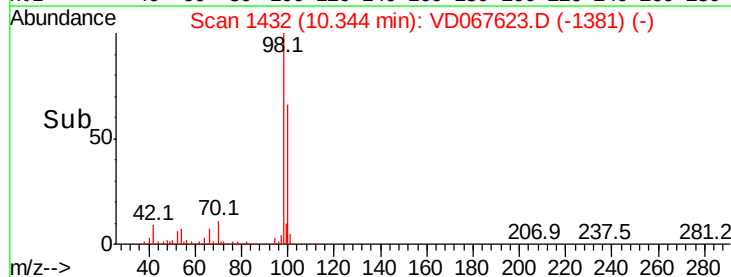
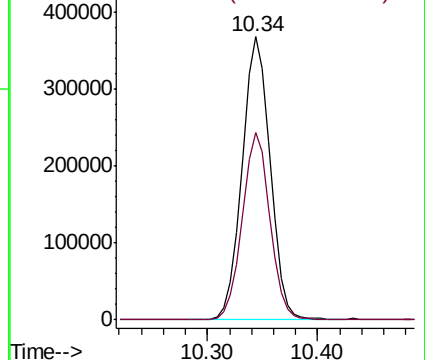
98 100

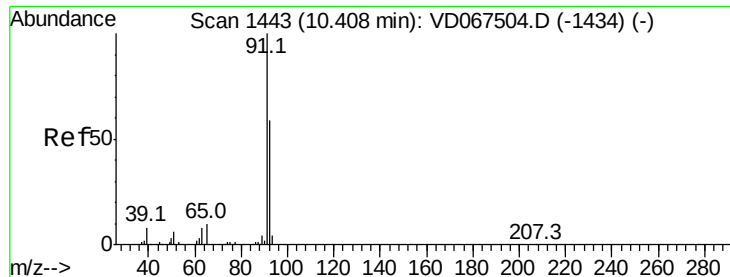
100 65.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#52

Toluene

Concen: 33.862 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067623.D

Acq: 12 Nov 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

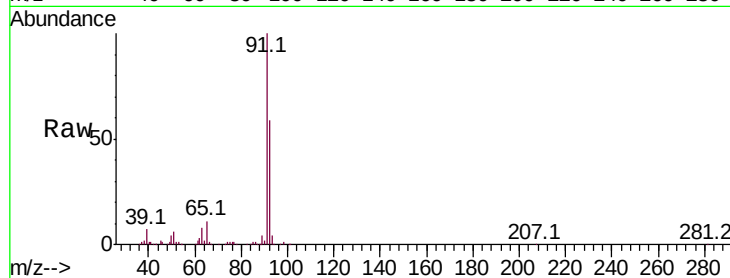
RBR-31

Tot Ion: 92 Resp: 304319

Ion Ratio Lower Upper

92 100

91 171.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

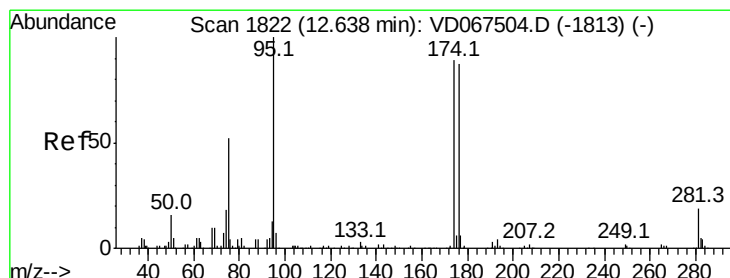
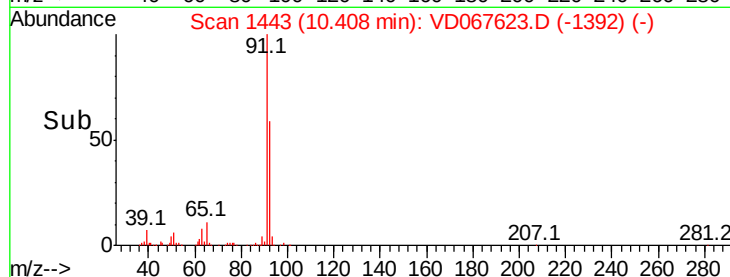
200000

100000

0

10.30 10.40 10.50

Time-->



#62

4-Bromofluorobenzene

Concen: 62.042 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067623.D

Acq: 12 Nov 2020 15:13

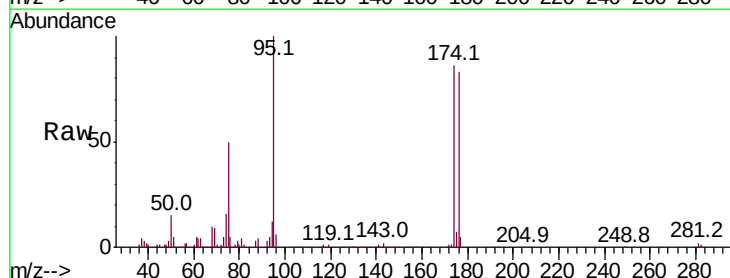
Tgt Ion: 95 Resp: 262443

Ion Ratio Lower Upper

95 100

174 87.0 0.0 177.8

176 83.1 0.0 172.0



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

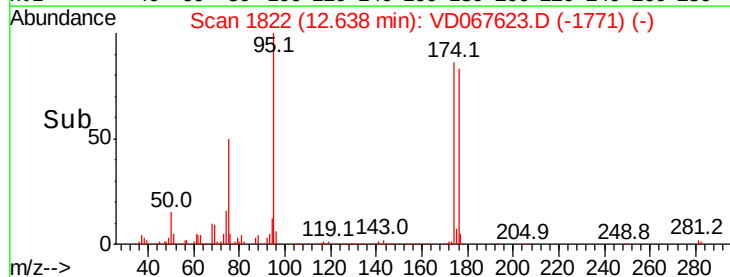
100000

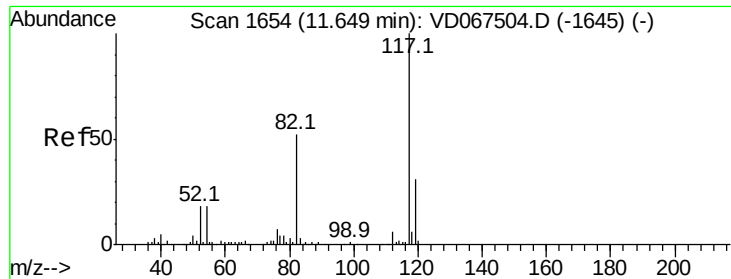
50000

0

12.55 12.60 12.65 12.70

Time-->

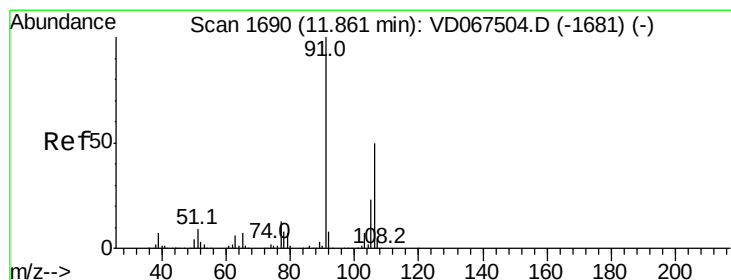
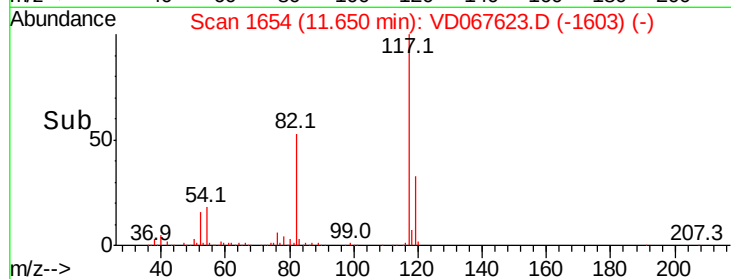
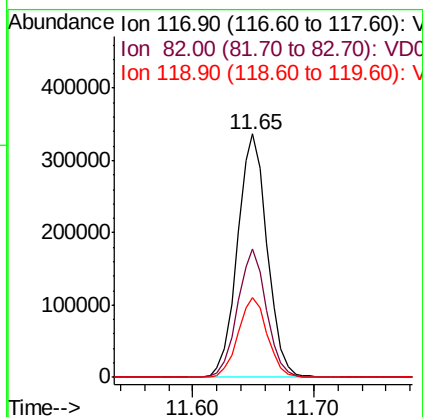
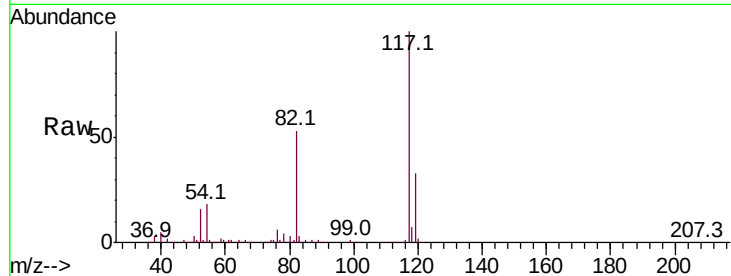




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067623.D
Acq: 12 Nov 2020 15:13

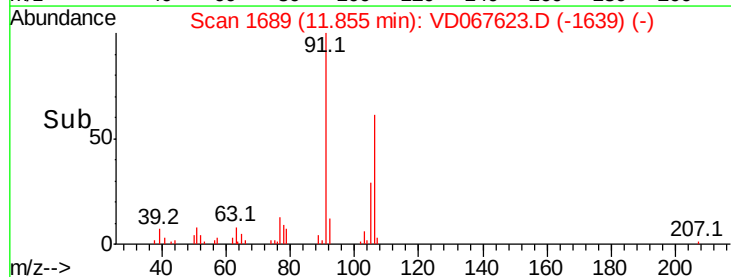
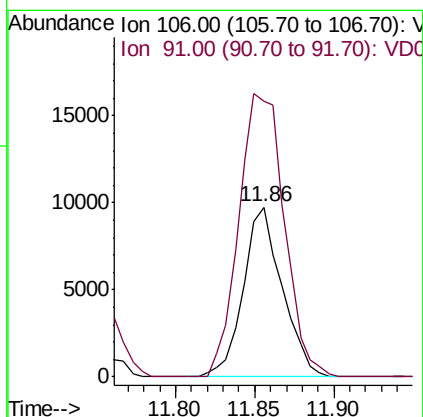
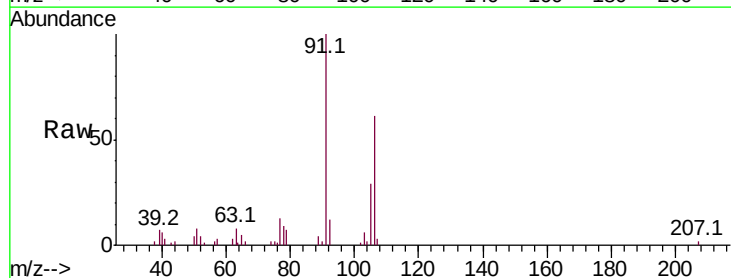
Instrument :
MSVOA_D
ClientSampleId :
RBR-31

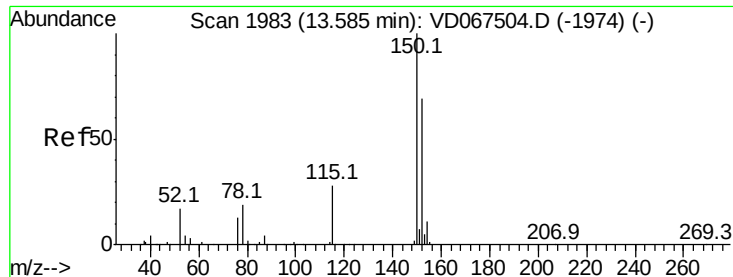
Tot Ion:117 Resp: 575649
Ion Ratio Lower Upper
117 100
82 52.7 41.6 62.4
119 33.0 25.1 37.7



#68
m/p-Xylenes
Concen: 2.250 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067623.D
Acq: 12 Nov 2020 15:13

Tgt Ion:106 Resp: 16610
Ion Ratio Lower Upper
106 100
91 195.2 162.6 244.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067623.D

Acq: 12 Nov 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

RBR-31

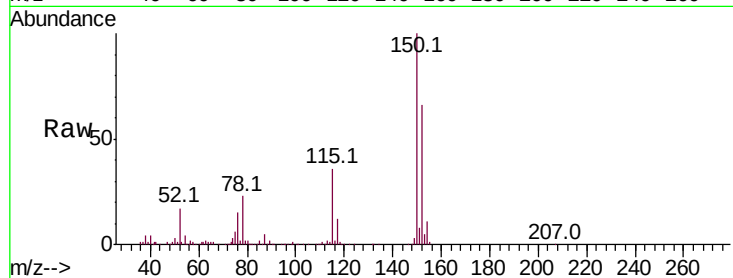
Tot Ion:152 Resp: 298444

Ion Ratio Lower Upper

152 100

115 57.3 29.3 88.0

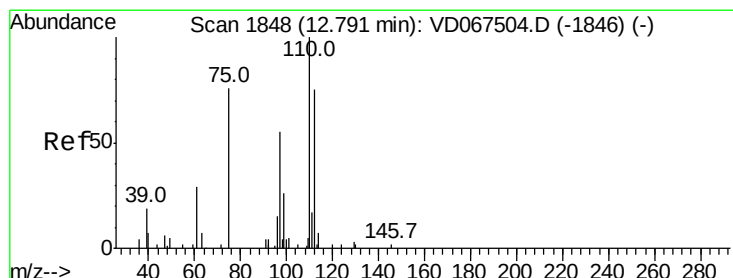
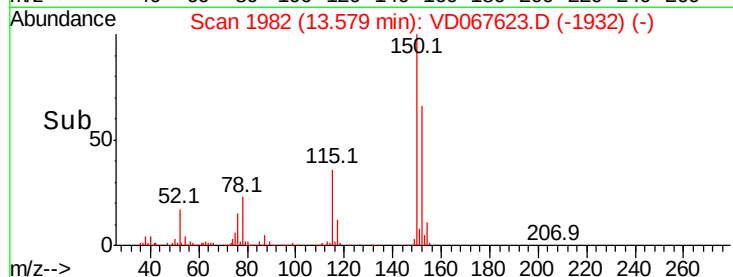
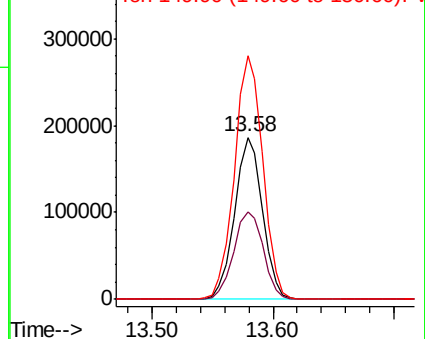
150 153.6 0.0 338.2



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: 72.062 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067623.D

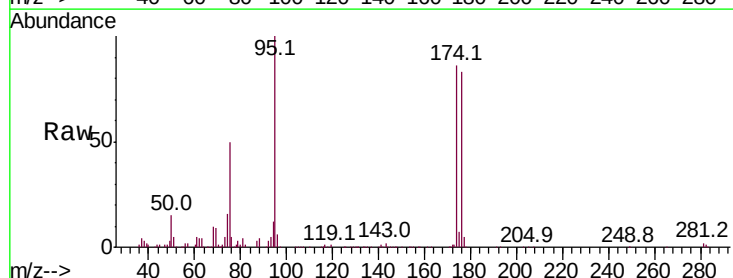
Acq: 12 Nov 2020 15:13

Tgt Ion: 75 Resp: 129740

Ion Ratio Lower Upper

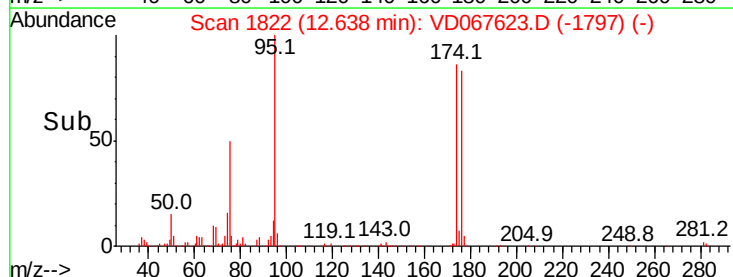
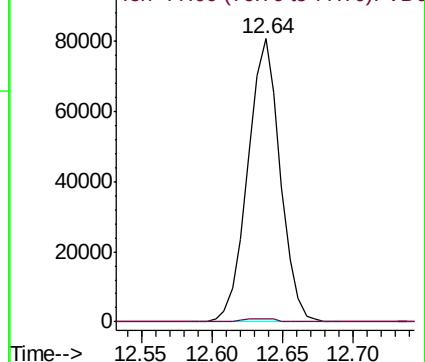
75 100

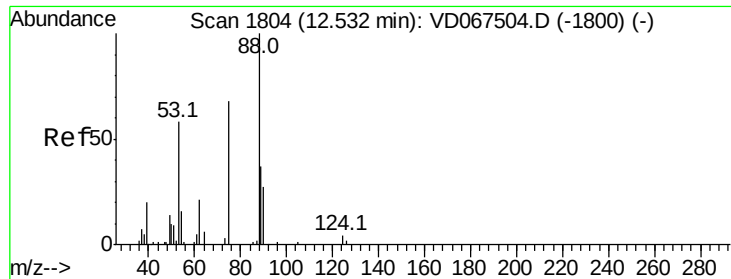
77 1.4 0.0 0.0#



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: 146.306 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067623.D

Acq: 12 Nov 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

RBR-31

Tot Ion: 75 Resp: 129740

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 44.6 67.0#

