

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067863.D
 Acq On : 03 Dec 2020 12:50
 Operator : VA/SY
 Sample : L4931-01
 Misc : 7.81G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-33-1-WC

Quant Time: Dec 04 01:08:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	343441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	309255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	125003	48.44	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.88%
35) Dibromofluoromethane	7.91	113	107988	46.99	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.98%
50) Toluene-d8	10.34	98	388712	46.99	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.98%
62) 4-Bromofluorobenzene	12.64	95	128082	44.78	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.56%

Target Compounds

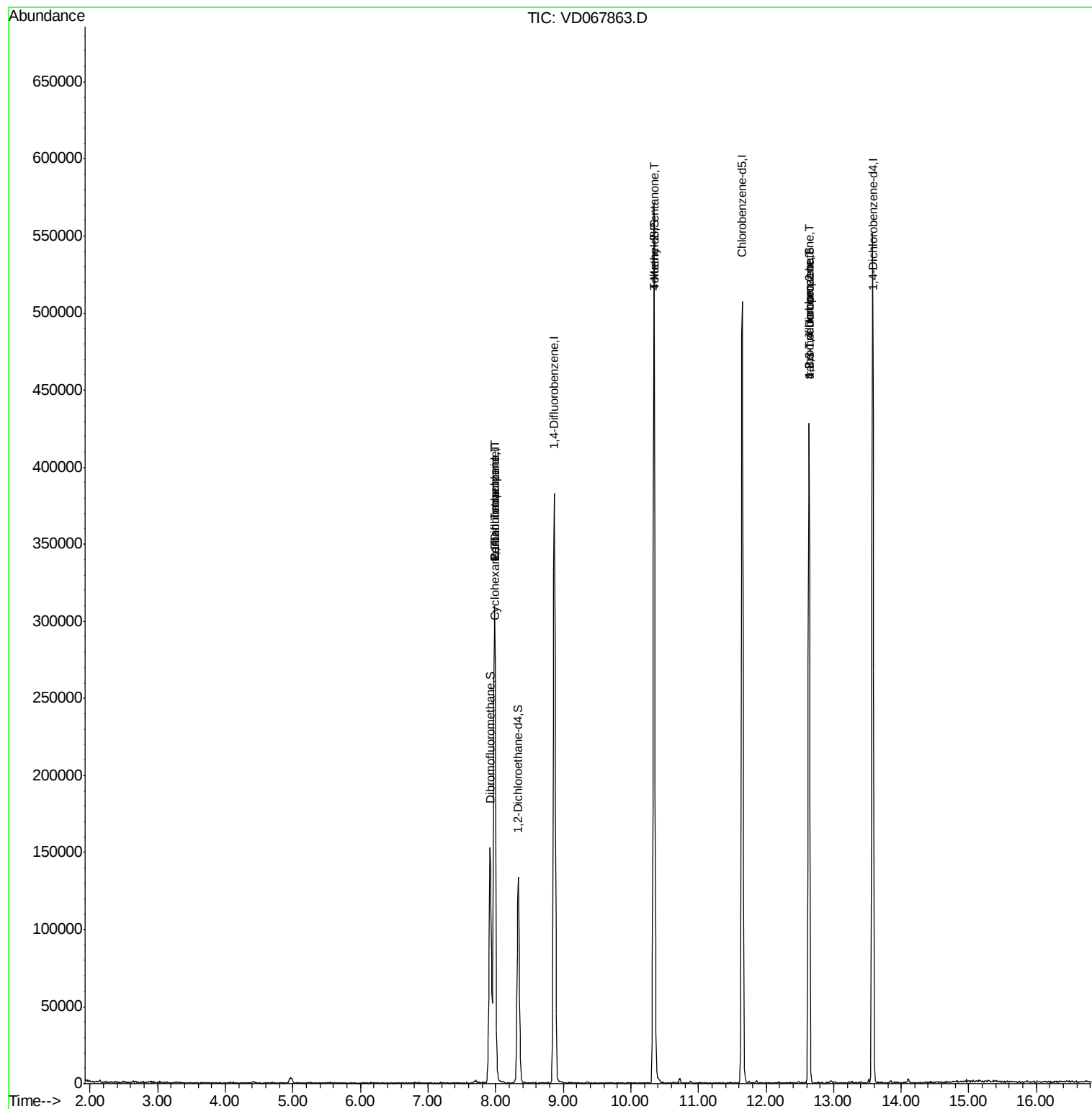
					Qvalue	
20) Methylene Chloride	4.96	84	1525	Below Cal	#	91
31) Cyclohexane	8.00	56	4548	1.673	ug/l #	54
36) 1,1-Dichloropropene	7.98	75	15695	5.279	ug/l #	51
38) Carbon Tetrachloride	7.98	117	25232	5.609	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	1560	2.091	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	70466	64.345	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	70466	153.919	ug/l #	7

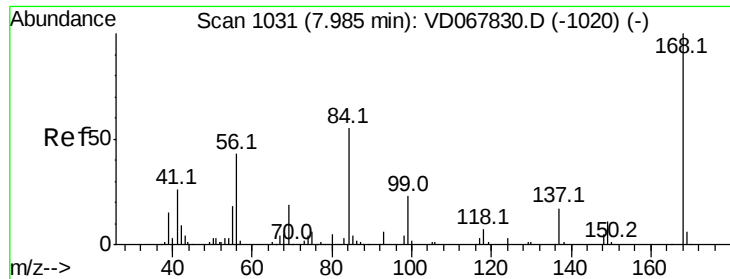
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 04 01:08:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067863.D

Acq: 03 Dec 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

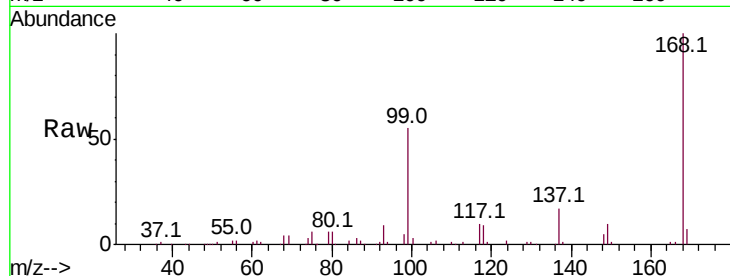
R-LA-33-1-WC

Tot Ion:168 Resp: 240396

Ion Ratio Lower Upper

168 100

99 54.9 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

40000

20000

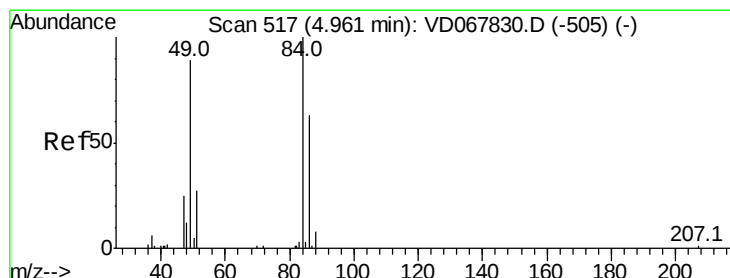
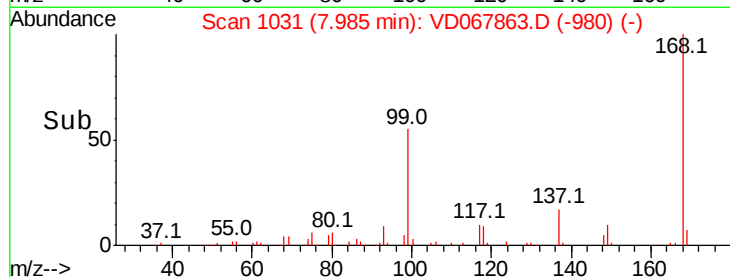
0

Time-->

7.90

8.00

8.10



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067863.D

Acq: 03 Dec 2020 12:50

Tgt Ion: 84 Resp: 1525

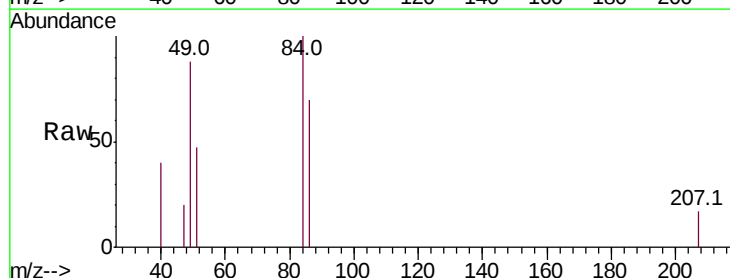
Ion Ratio Lower Upper

84 100

49 88.4 71.4 107.0

51 47.2 21.8 32.8#

86 69.7 50.6 75.8



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

2000

1500

1000

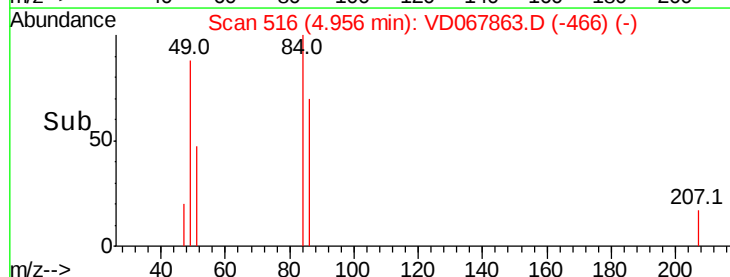
500

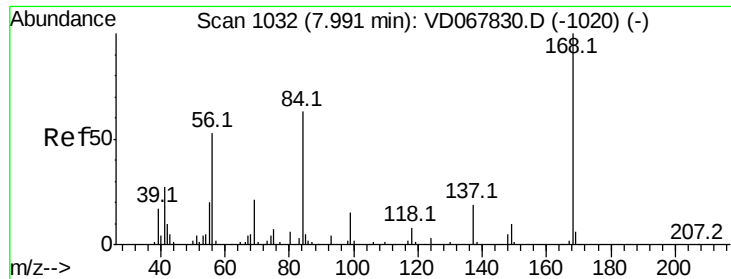
0

Time-->

4.90

4.95

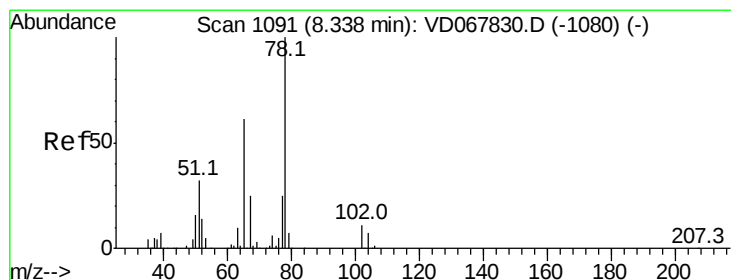
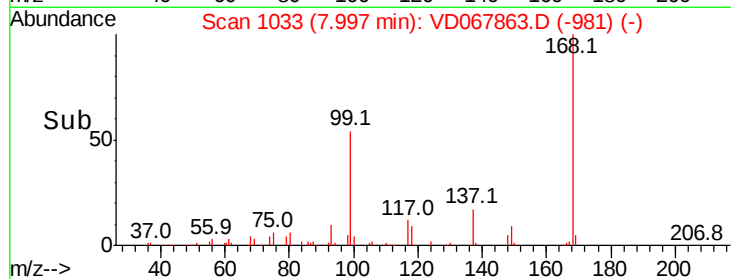
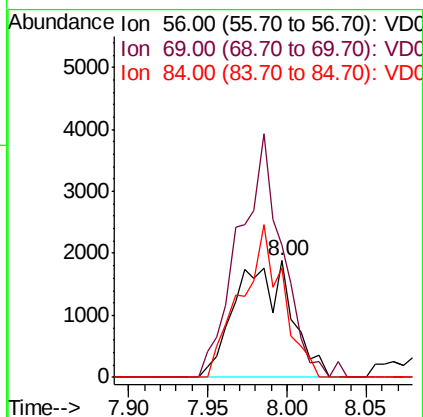
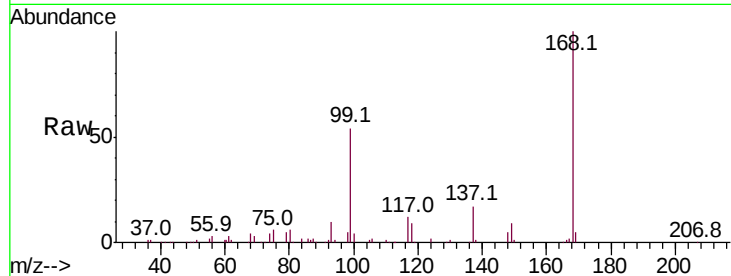




#31
Cyclohexane
Concen: 1.673 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VD067863.D
Acq: 03 Dec 2020 12:50

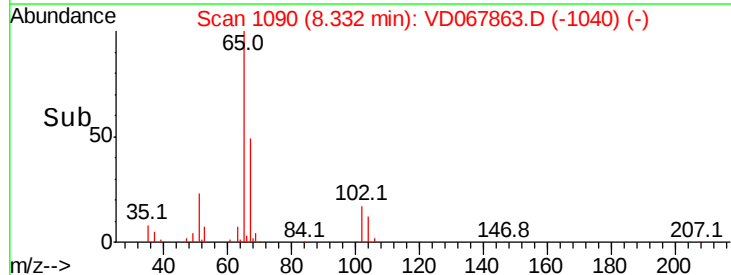
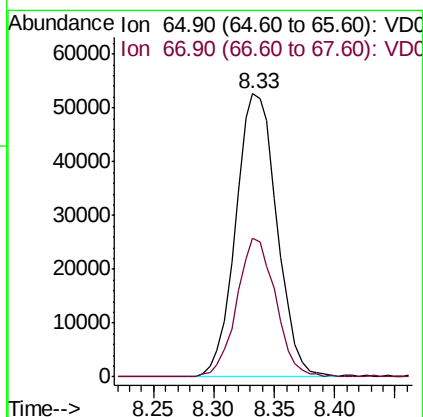
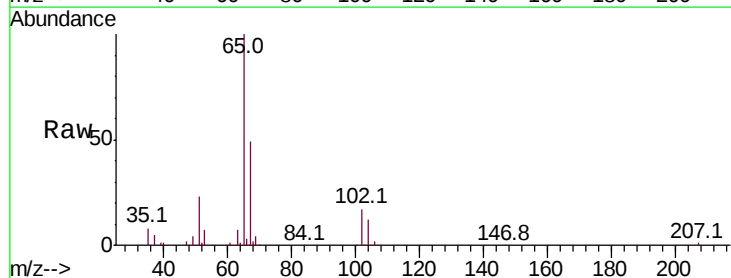
Instrument :
MSVOA_D
ClientSampleId :
R-LA-33-1-WC

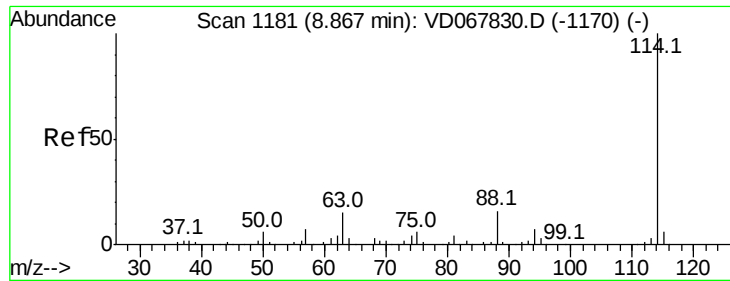
Tot Ion: 56 Resp: 4548
Ion Ratio Lower Upper
56 100
69 113.4 32.1 48.1#
84 93.7 93.2 139.8



#33
1,2-Dichloroethane-d4
Concen: 48.437 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067863.D
Acq: 03 Dec 2020 12:50

Tgt Ion: 65 Resp: 125003
Ion Ratio Lower Upper
65 100
67 46.3 0.0 92.0

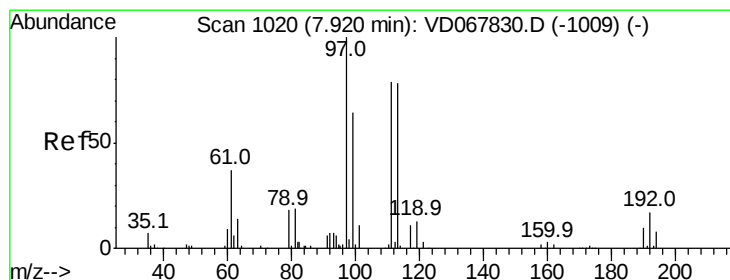
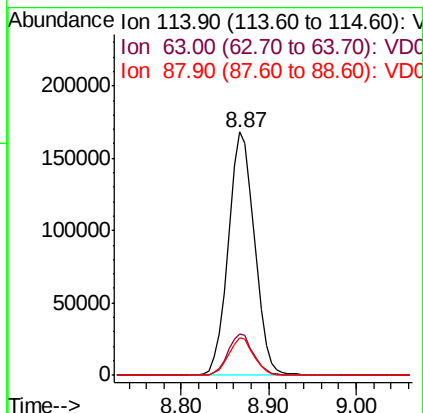
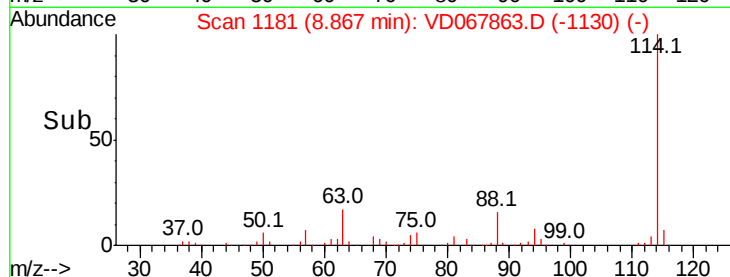
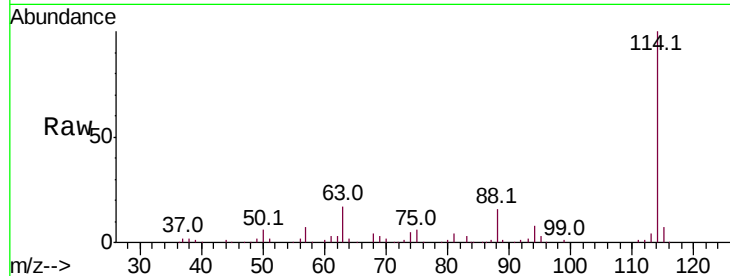




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067863.D
 Acq: 03 Dec 2020 12:50

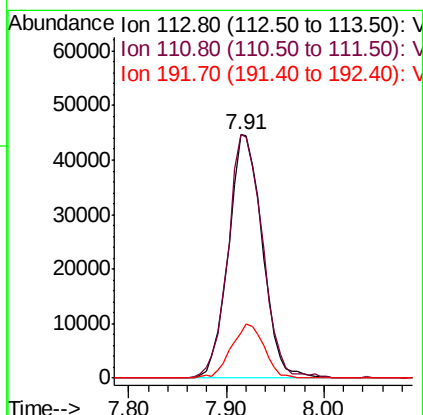
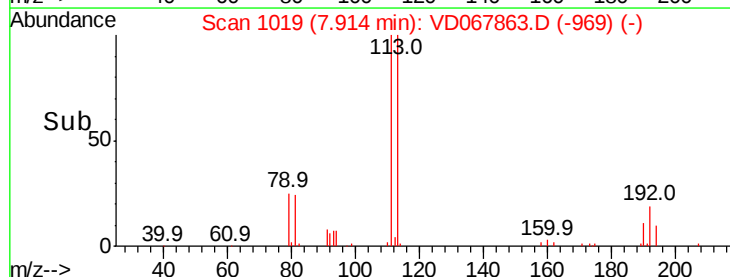
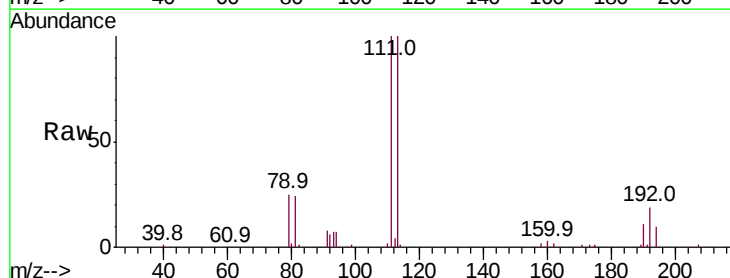
Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-33-1-WC

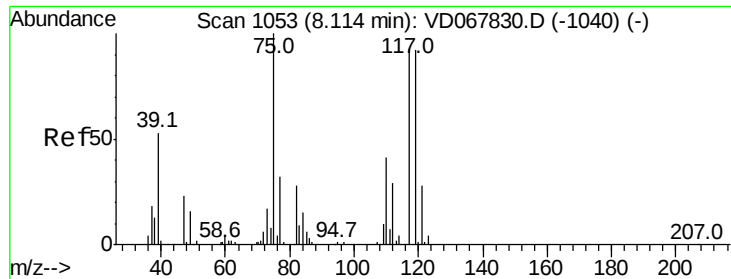
Tot Ion:114 Resp: 343441
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 30.8
 88 15.5 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 46.990 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067863.D
 Acq: 03 Dec 2020 12:50

Tgt Ion:113 Resp: 107988
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.2 121.8
 192 21.7 16.8 25.2

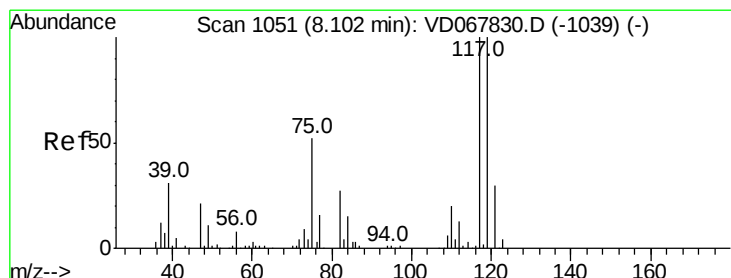
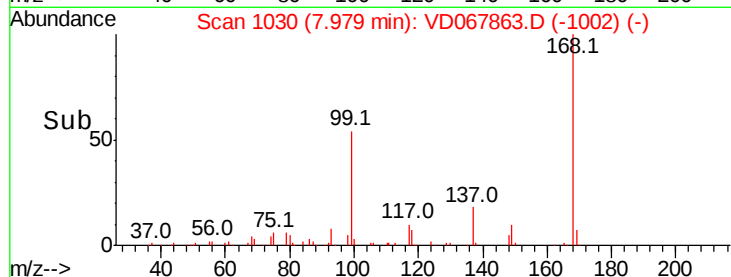
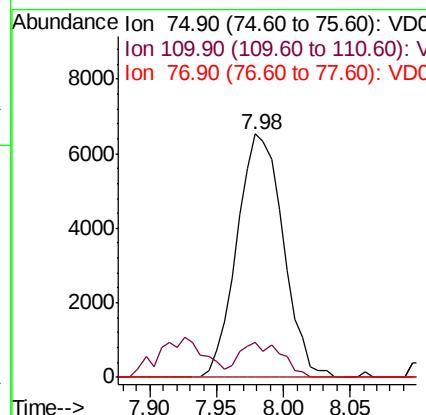
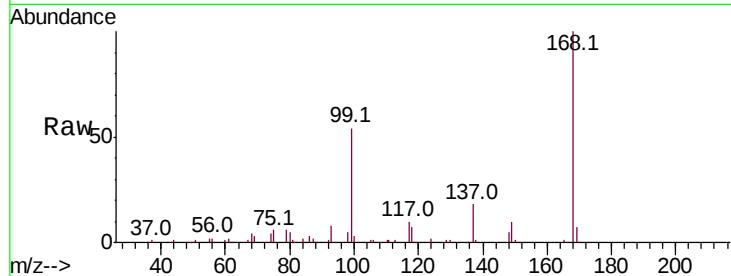




#36
 1,1-Dichloropropene
 Concen: 5.279 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067863.D
 Acq: 03 Dec 2020 12:50

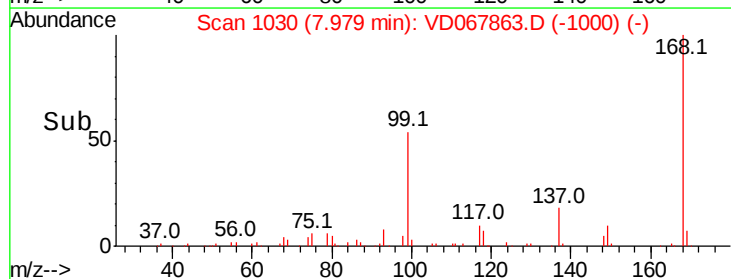
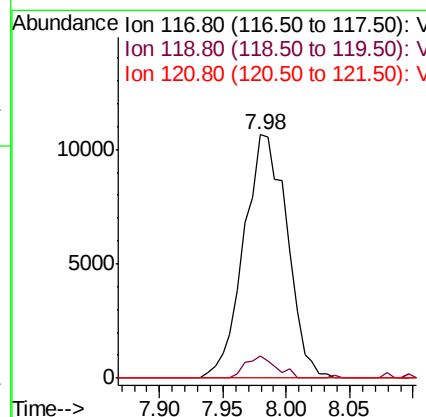
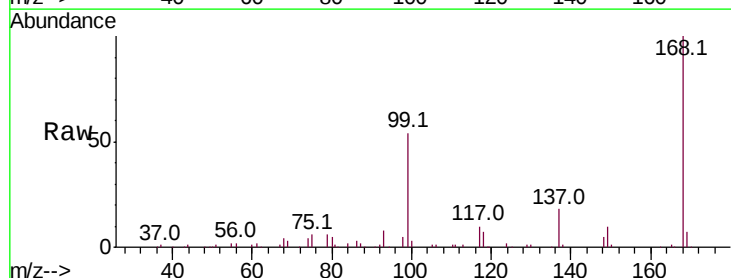
Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-33-1-WC

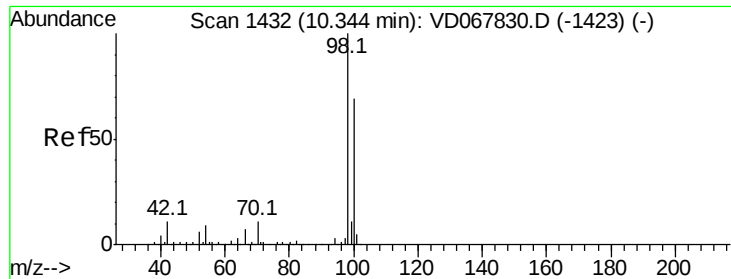
Tot Ion: 75 Resp: 15695
 Ion Ratio Lower Upper
 75 100
 110 13.4 20.3 61.0#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.609 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067863.D
 Acq: 03 Dec 2020 12:50

Tgt Ion: 117 Resp: 25232
 Ion Ratio Lower Upper
 117 100
 119 9.2 79.7 119.5#
 121 0.0 23.8 35.6#

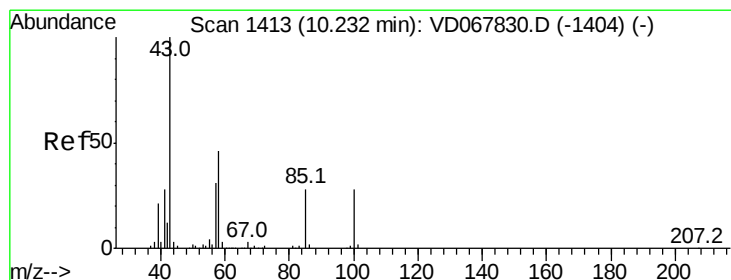
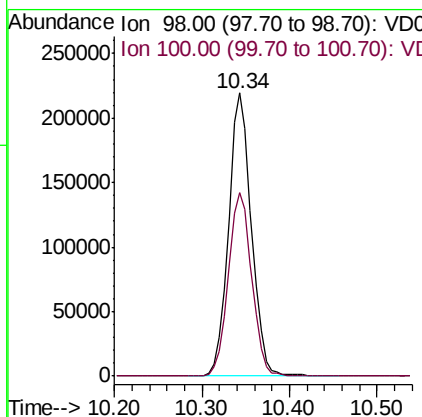
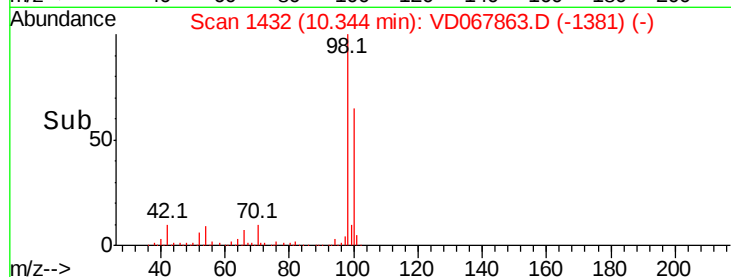
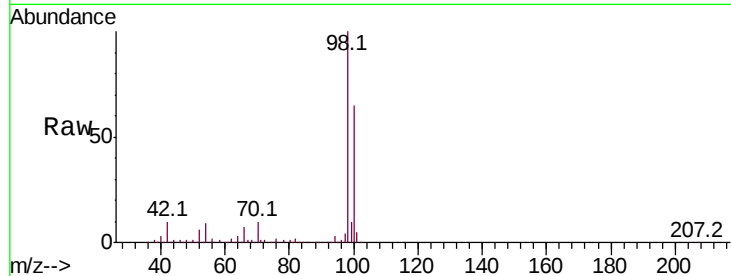




#50
Toluene-d8
Concen: 46.987 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067863.D
Acq: 03 Dec 2020 12:50

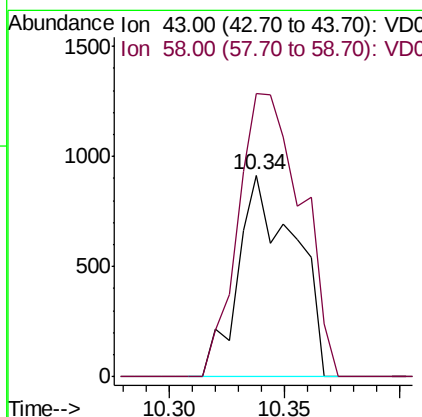
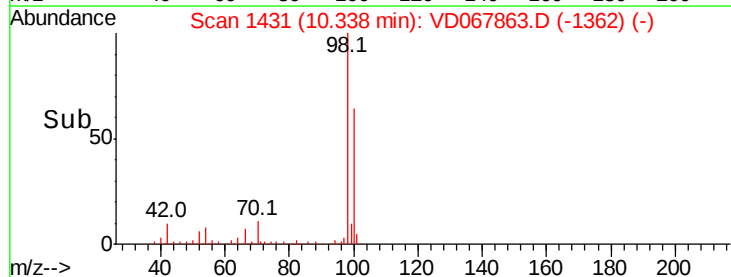
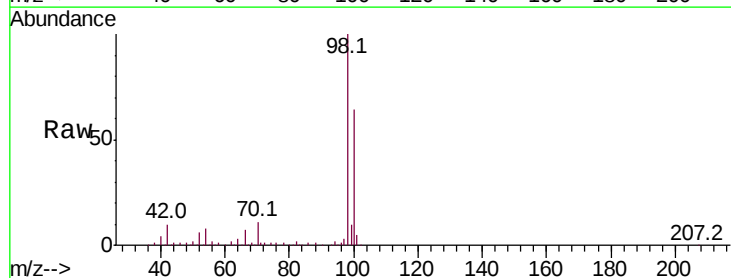
Instrument :
MSVOA_D
ClientSampleId :
R-LA-33-1-WC

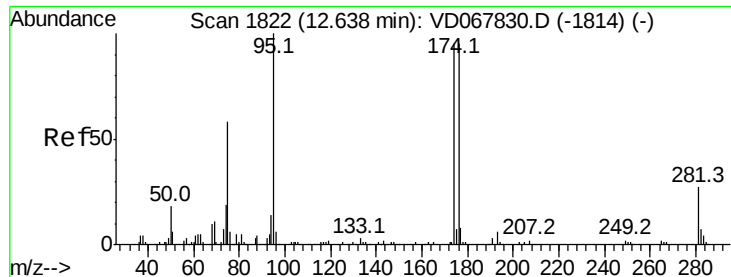
Tot Ion: 98 Resp: 388712
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 2.091 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067863.D
Acq: 03 Dec 2020 12:50

Tgt Ion: 43 Resp: 1560
Ion Ratio Lower Upper
43 100
58 158.2 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 44.782 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067863.D

Acq: 03 Dec 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

R-LA-33-1-WC

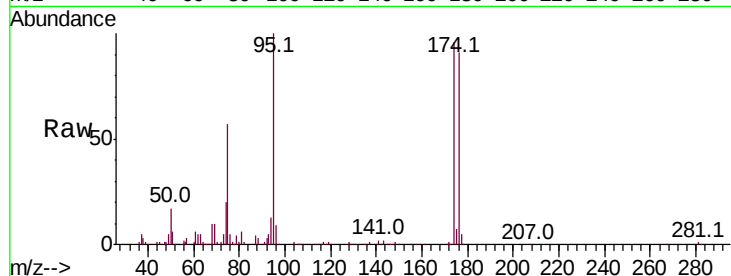
Tot Ion: 95 Resp: 128082

Ion Ratio Lower Upper

95 100

174 94.1 0.0 186.0

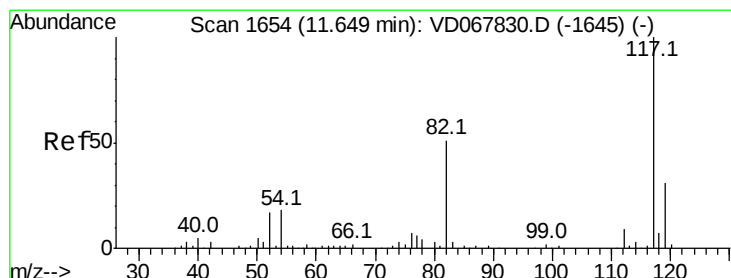
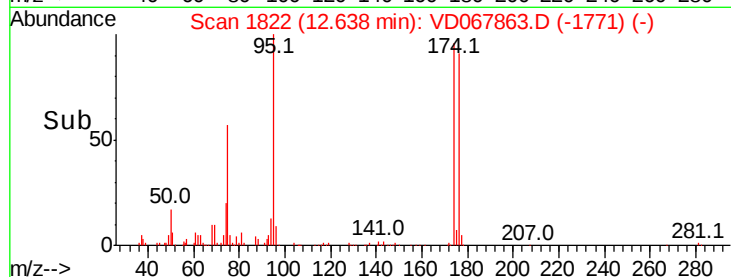
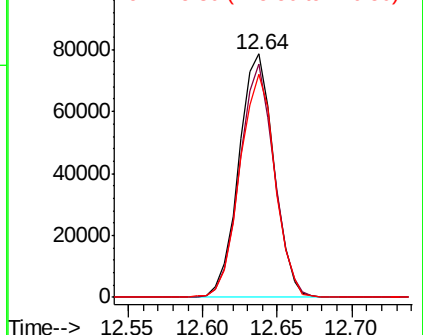
176 92.2 0.0 184.2



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: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067863.D

Acq: 03 Dec 2020 12:50

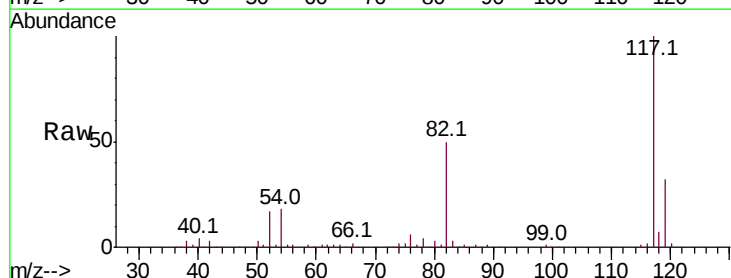
Tgt Ion: 117 Resp: 309255

Ion Ratio Lower Upper

117 100

82 49.6 40.6 60.8

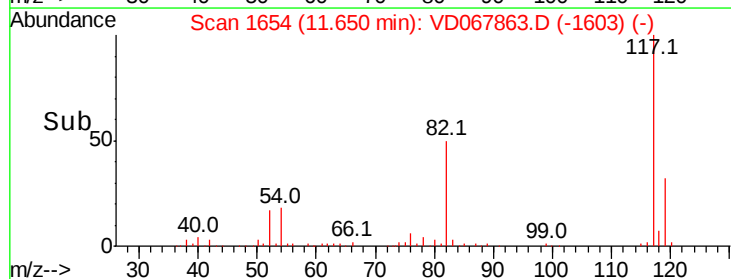
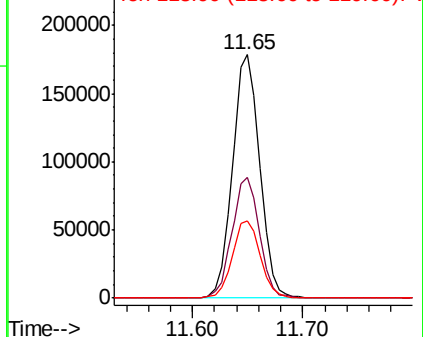
119 31.9 25.1 37.7

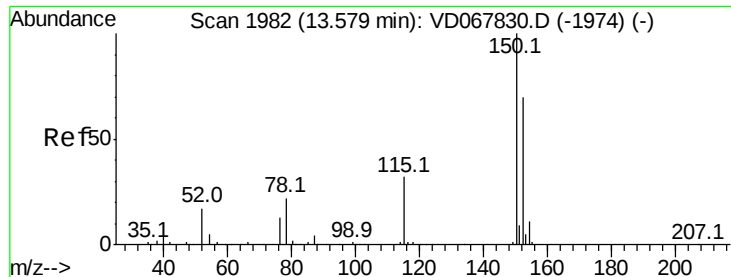


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067863.D

Acq: 03 Dec 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

R-LA-33-1-WC

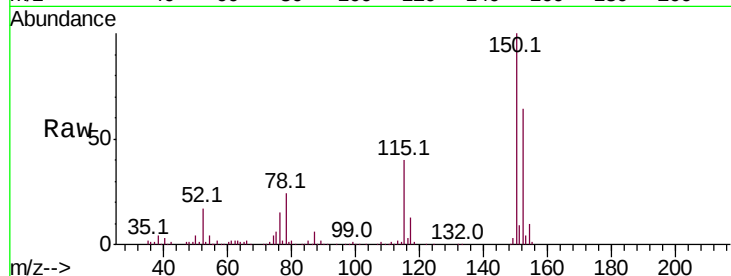
Tot Ion:152 Resp: 150382

Ion Ratio Lower Upper

152 100

115 61.1 29.1 87.4

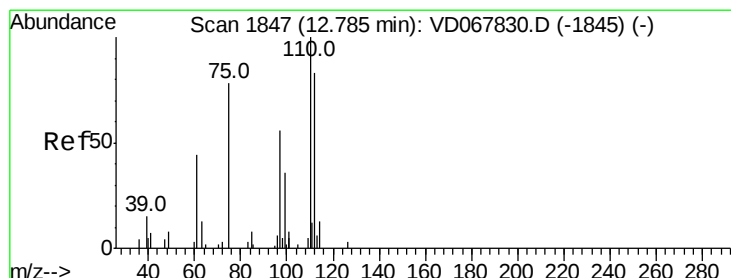
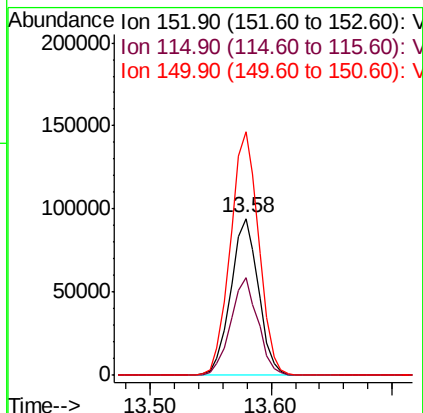
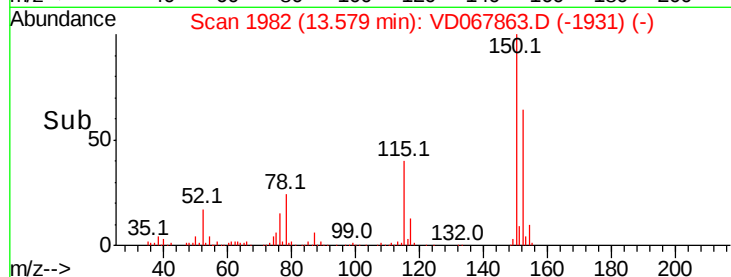
150 158.8 0.0 339.0



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: 64.345 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067863.D

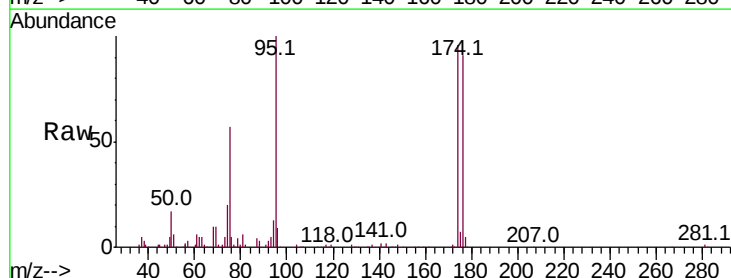
Acq: 03 Dec 2020 12:50

Tgt Ion: 75 Resp: 70466

Ion Ratio Lower Upper

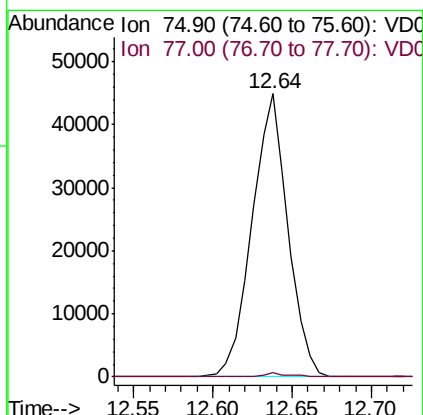
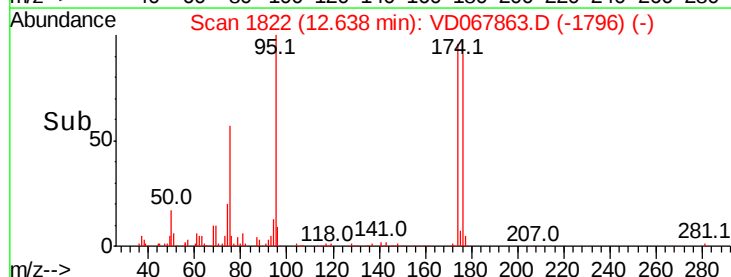
75 100

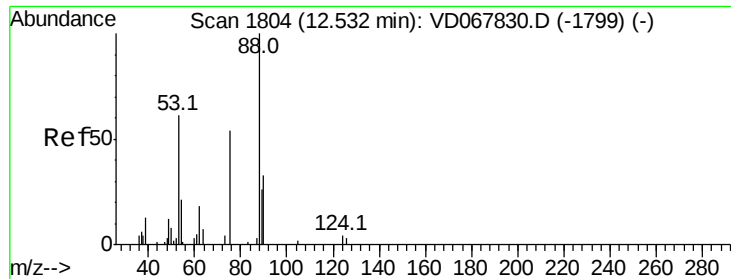
77 1.0 175.9 527.7#



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: 153.919 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067863.D

Acq: 03 Dec 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

R-LA-33-1-WC

Tot Ion: 75 Resp: 70466

Ion Ratio Lower Upper

75 100

53 0.1 84.6 127.0#

89 0.1 41.0 61.6#

