

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067894.D
 Acq On : 07 Dec 2020 12:36
 Operator : VA/SY
 Sample : L4969-02
 Misc : 6.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NORTH-BRANFORD-02

Quant Time: Dec 08 03:13:31 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	223925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	306922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	271469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	131302	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	110607	46.01	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.02%
35) Dibromofluoromethane	7.92	113	91604	44.60	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.20%
50) Toluene-d8	10.34	98	343581	46.47	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.94%
62) 4-Bromofluorobenzene	12.64	95	107541	42.07	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.14%

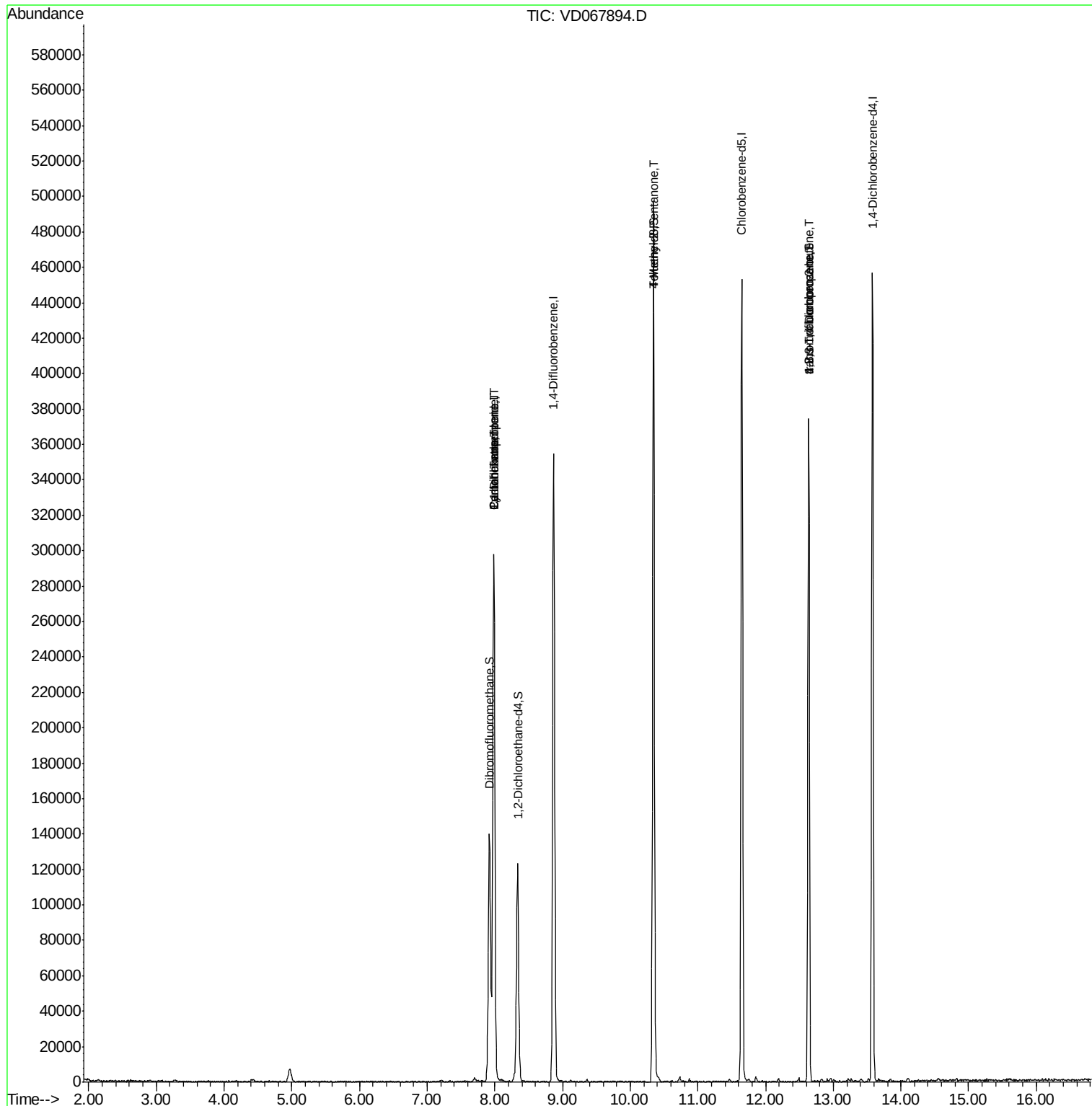
Target Compounds

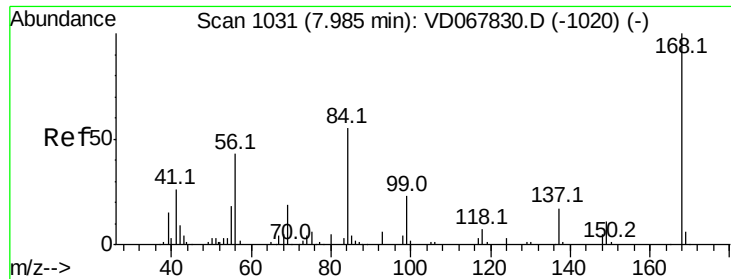
					Qvalue
18) Methyl Acetate	4.76	43	53	Below Cal	# 41
20) Methylene Chloride	4.97	84	6248	Below Cal	# 88
31) Cyclohexane	7.98	56	4890	1.931	ug/l # 42
36) 1,1-Dichloropropene	7.98	75	14987	5.641	ug/l # 51
38) Carbon Tetrachloride	7.98	117	23011	5.724	ug/l # 14
51) 4-Methyl-2-Pentanone	10.34	43	1587	2.380	ug/l # 1
76) 1,2,3-Trichloropropane	12.64	75	61242	64.049	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.64	75	61242	153.210	ug/l # 7

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120720\  
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Acq On    : 07 Dec 2020 12:36  
Operator  : VA/SY  
Sample    : L4969-02  
Misc      : 6.42G/5.00ml/MSVOA D/SOIL  
ALS Vial  : 7 Sample Multiplier: 1
```

Quant Time: Dec 08 03:13:31 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067894.D

Acq: 07 Dec 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

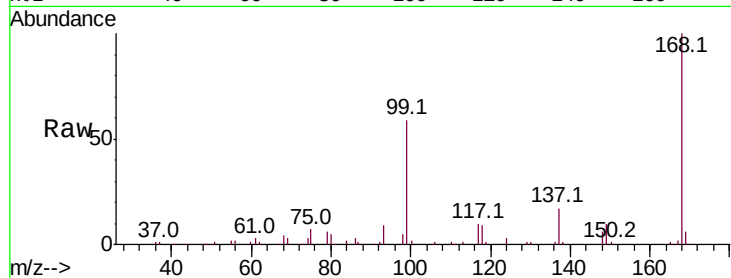
NORTH-BRANFORD-02

Tot Ion:168 Resp: 223925

Ion Ratio Lower Upper

168 100

99 58.5 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

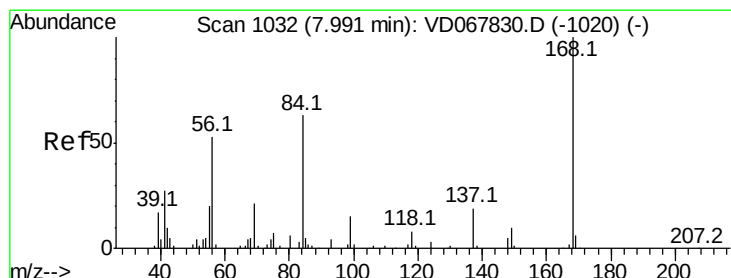
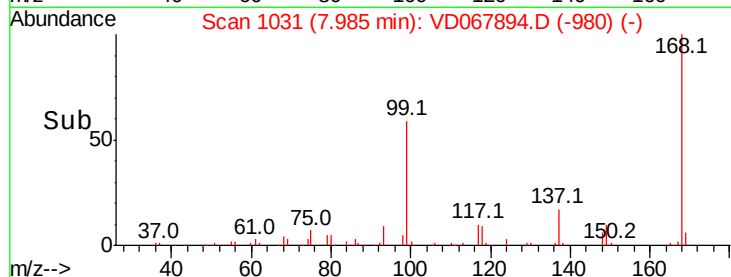
0

Time-->

7.90

8.00

8.10



#31

Cyclohexane

Concen: 1.931 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067894.D

Acq: 07 Dec 2020 12:36

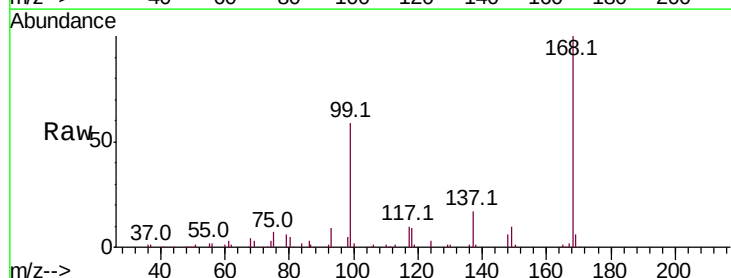
Tgt Ion: 56 Resp: 4890

Ion Ratio Lower Upper

56 100

69 168.6 32.1 48.1#

84 109.9 93.2 139.8



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

4000

3000

2000

1000

0

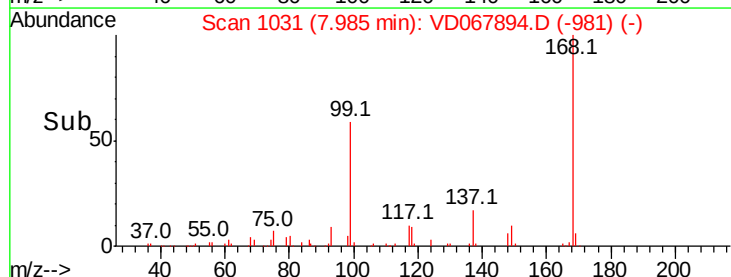
Time-->

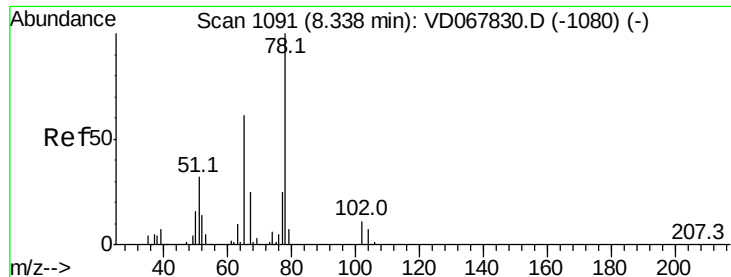
7.90

7.95

8.00

8.05

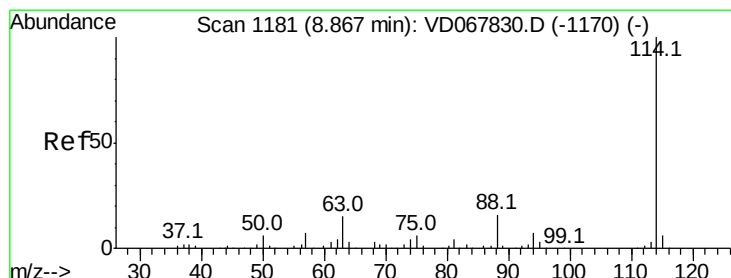
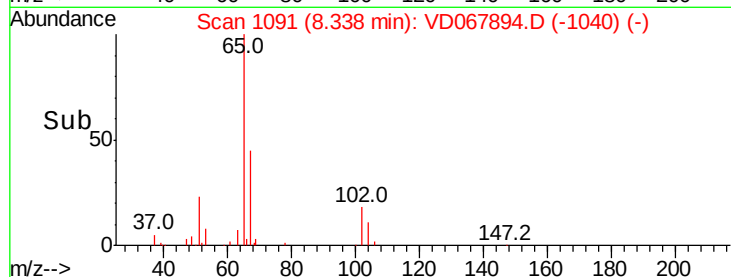
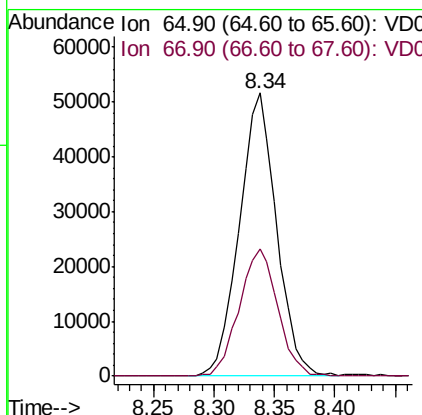
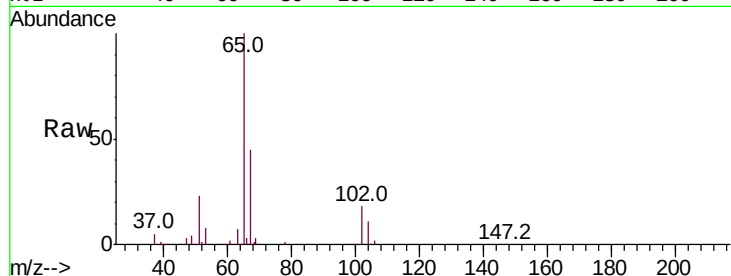




#33
 1,2-Dichloroethane-d4
 Concen: 46.011 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067894.D
 Acq: 07 Dec 2020 12:36

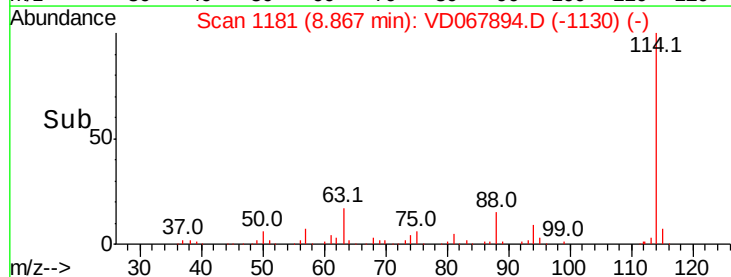
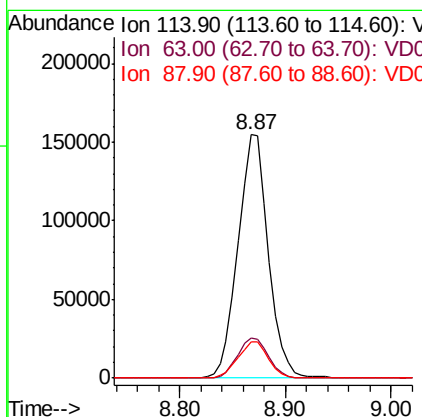
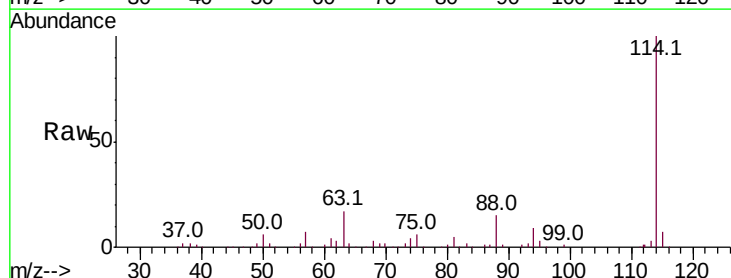
Instrument :
 MSVOA_D
 ClientSampleId :
 NORTH-BRANFORD-02

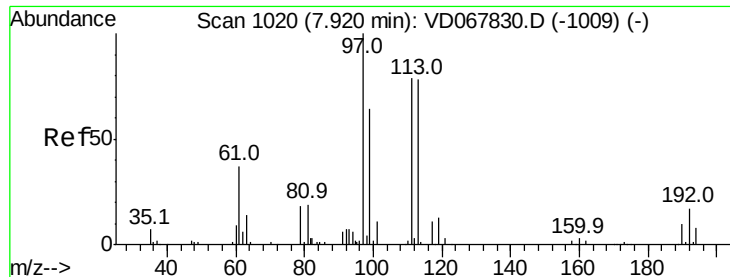
Tot Ion: 65 Resp: 110607
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067894.D
 Acq: 07 Dec 2020 12:36

Tgt Ion: 114 Resp: 306922
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 30.8
 88 14.8 0.0 31.8

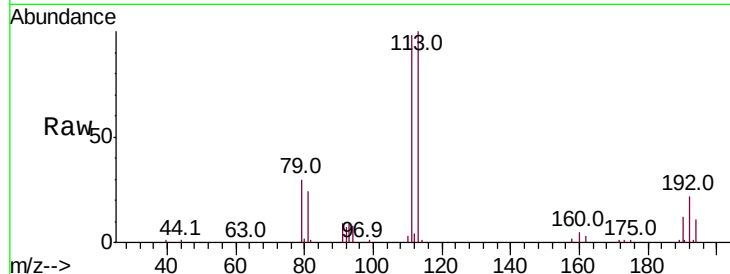




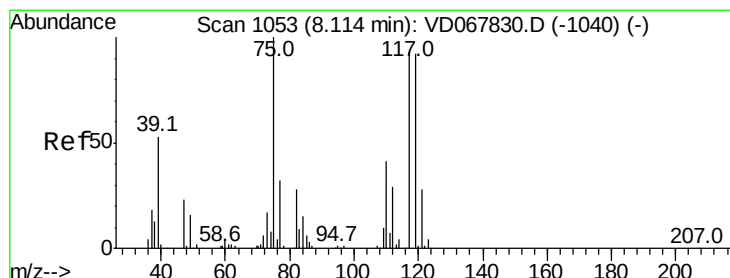
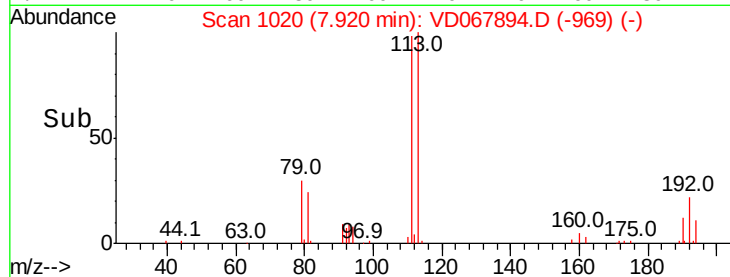
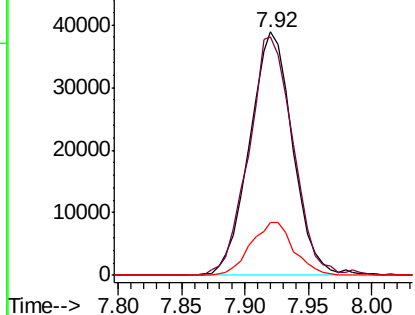
#35
 Dibromofluoromethane
 Concen: 44.603 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067894.D
 Acq: 07 Dec 2020 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 NORTH-BRANFORD-02

Tot Ion:113 Resp: 91604
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.2 121.8
 192 21.7 16.8 25.2

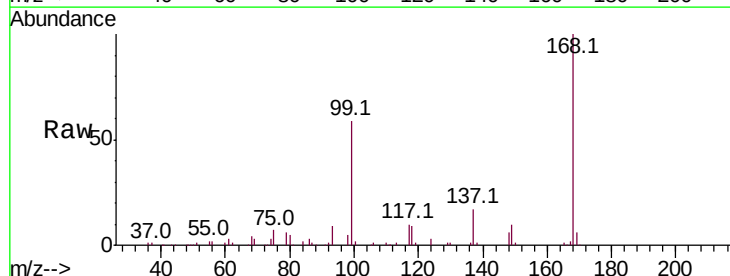


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

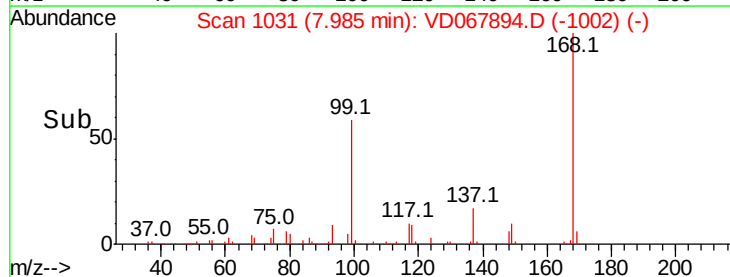
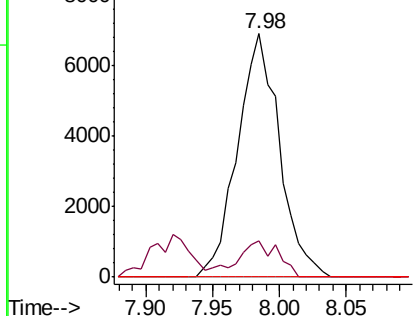


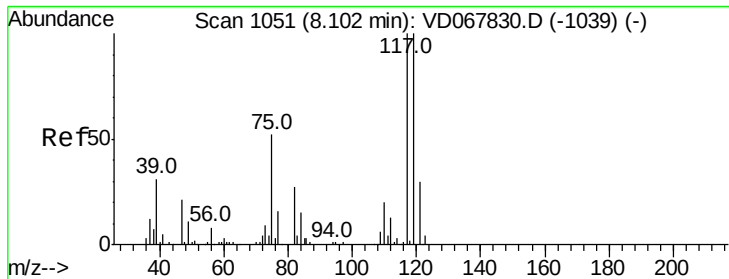
#36
 1,1-Dichloropropene
 Concen: 5.641 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067894.D
 Acq: 07 Dec 2020 12:36

Tgt Ion: 75 Resp: 14987
 Ion Ratio Lower Upper
 75 100
 110 14.0 20.3 61.0#
 77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.724 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067894.D

Acq: 07 Dec 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

NORTH-BRANFORD-02

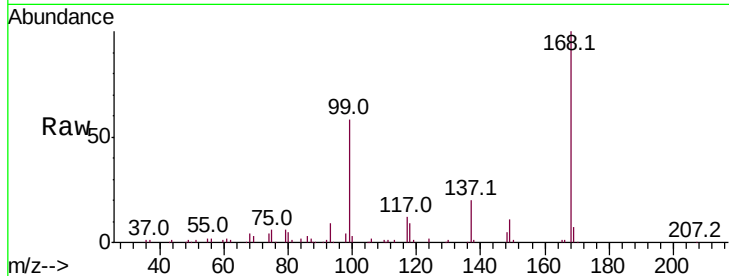
Tot Ion:117 Resp: 23011

Ion Ratio Lower Upper

117 100

119 4.5 79.7 119.5#

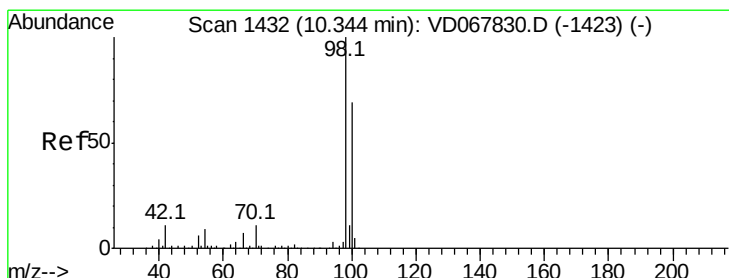
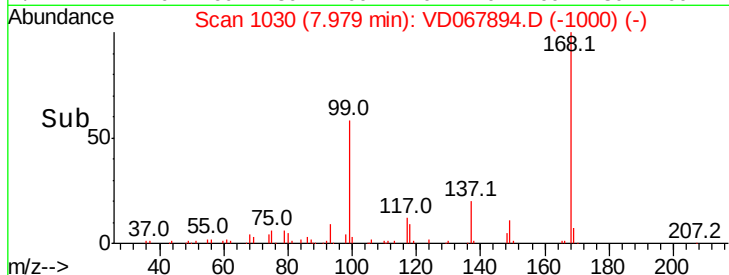
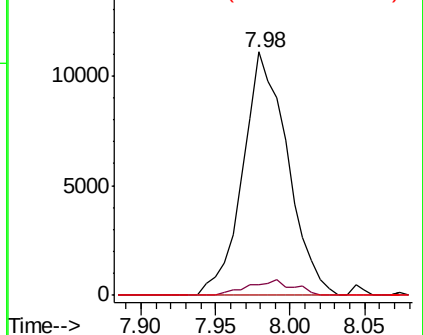
121 0.0 23.8 35.6#



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



#50

Toluene-d8

Concen: 46.473 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067894.D

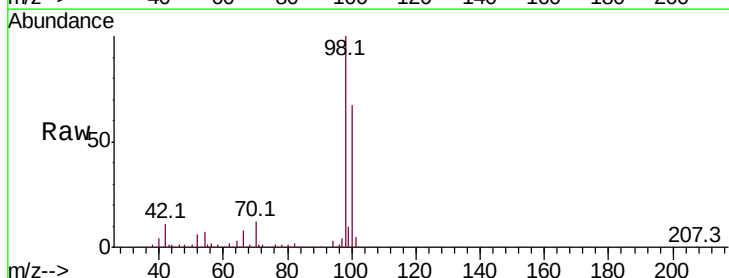
Acq: 07 Dec 2020 12:36

Tgt Ion: 98 Resp: 343581

Ion Ratio Lower Upper

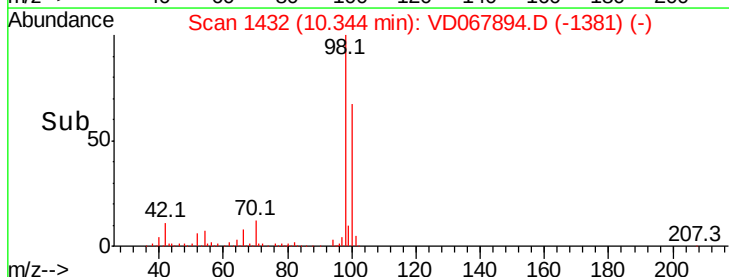
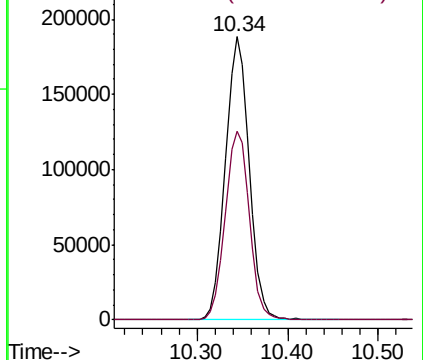
98 100

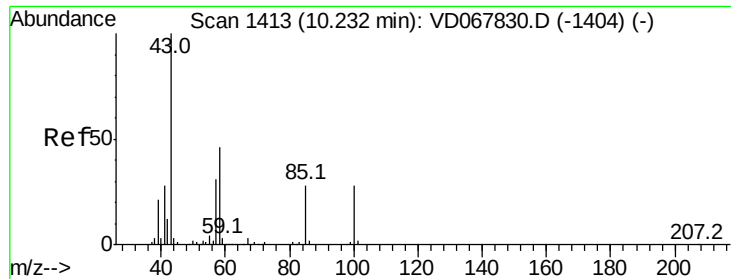
100 67.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.380 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067894.D

Acq: 07 Dec 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

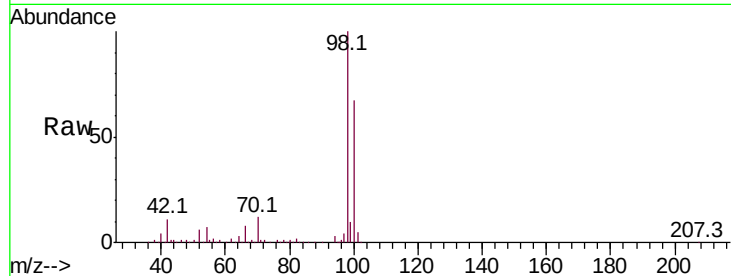
NORTH-BRANFORD-02

Tot Ion: 43 Resp: 1587

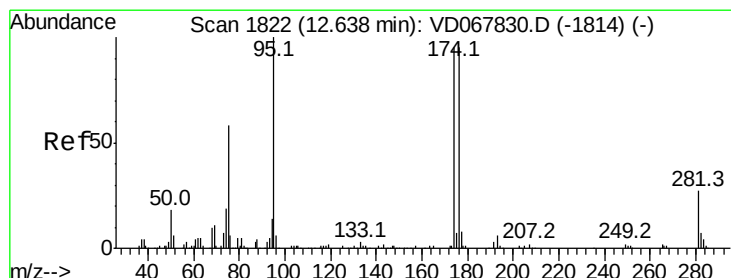
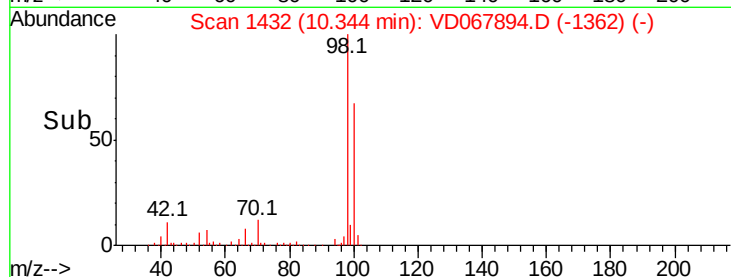
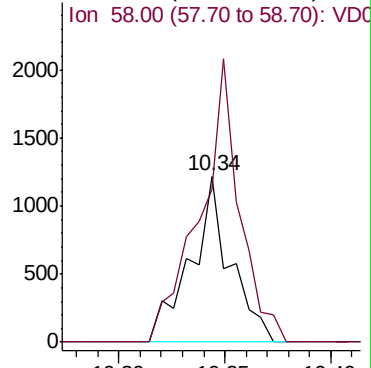
Ion Ratio Lower Upper

43 100

58 170.1 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#62

4-Bromofluorobenzene

Concen: 42.074 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067894.D

Acq: 07 Dec 2020 12:36

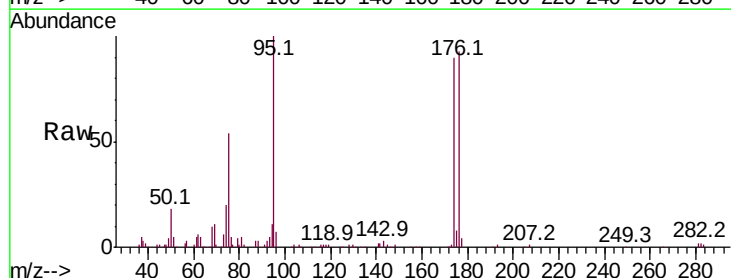
Tgt Ion: 95 Resp: 107541

Ion Ratio Lower Upper

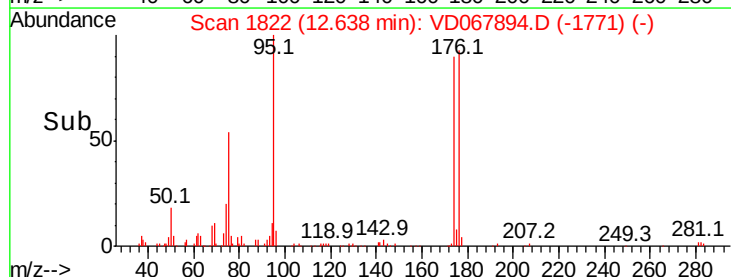
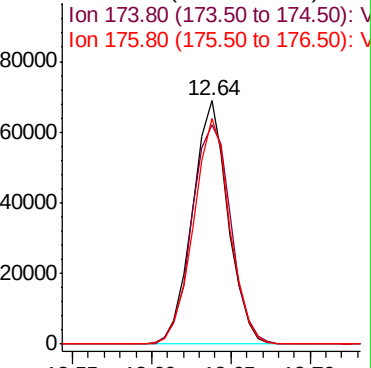
95 100

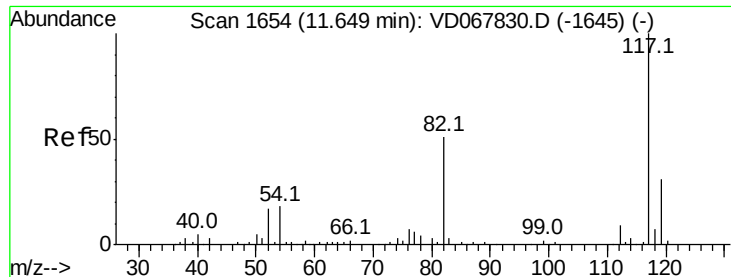
174 99.0 0.0 186.0

176 94.6 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

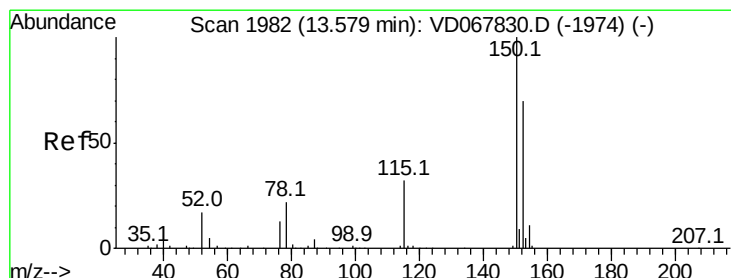
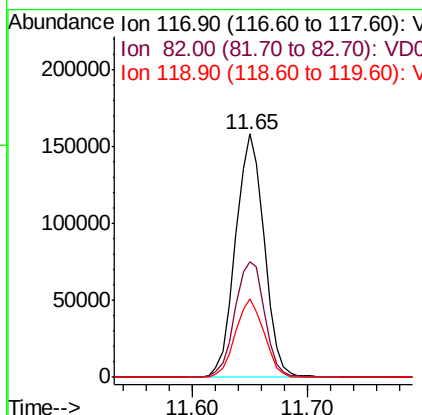
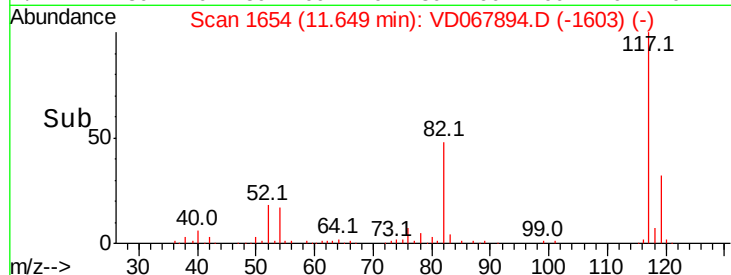
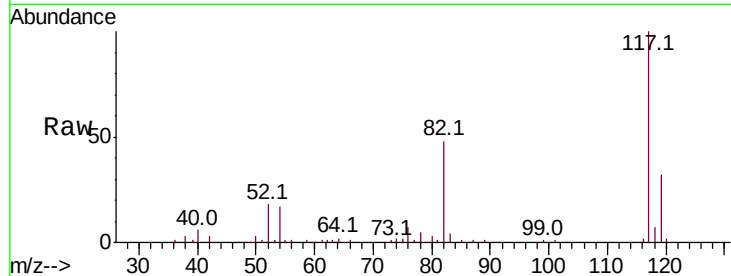




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067894.D
Acq: 07 Dec 2020 12:36

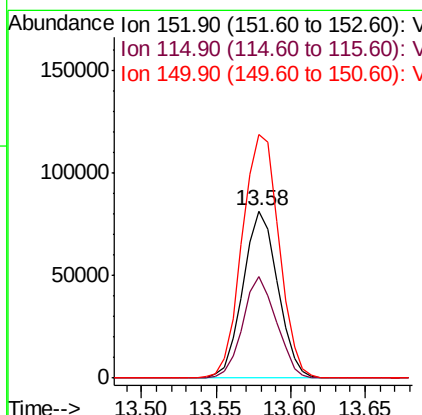
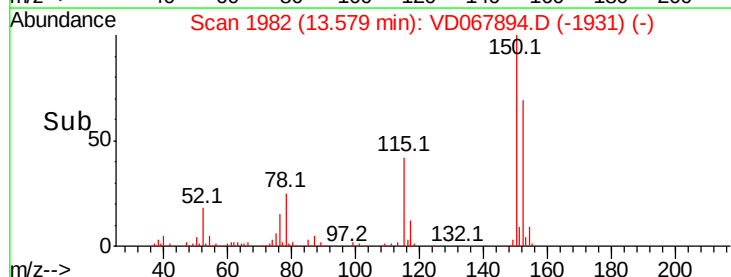
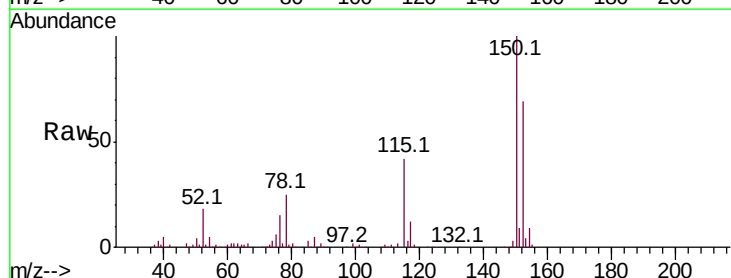
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MSVOA_D
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NORTH-BRANFORD-02

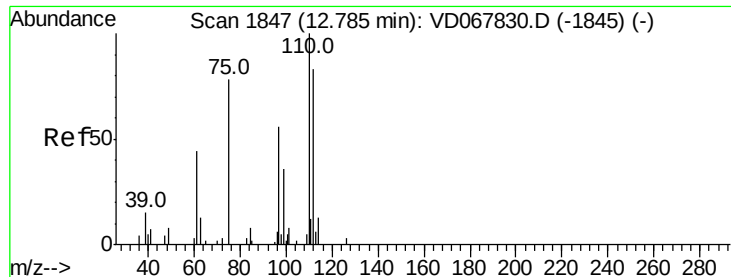
Tot Ion:117 Resp: 271469
Ion Ratio Lower Upper
117 100
82 47.6 40.6 60.8
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067894.D
Acq: 07 Dec 2020 12:36

Tgt Ion:152 Resp: 131302
Ion Ratio Lower Upper
152 100
115 58.6 29.1 87.4
150 154.4 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 64.049 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067894.D

Acq: 07 Dec 2020 12:36

Instrument :

MSVOA_D

ClientSampleId :

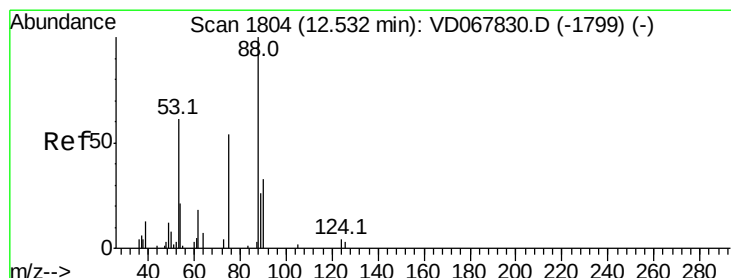
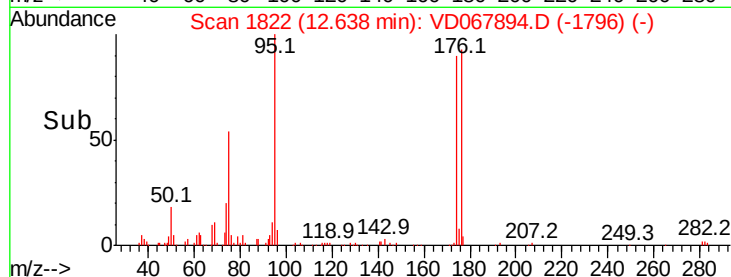
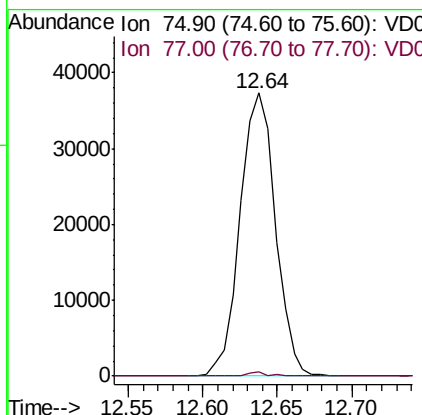
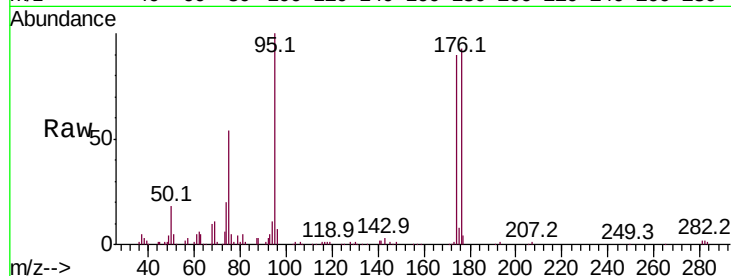
NORTH-BRANFORD-02

Tot Ion: 75 Resp: 61242

Ion Ratio Lower Upper

75 100

77 0.6 175.9 527.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 153.210 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067894.D

Acq: 07 Dec 2020 12:36

Tgt Ion: 75 Resp: 61242

Ion Ratio Lower Upper

75 100

53 0.1 84.6 127.0#

89 0.0 41.0 61.6#

