

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067895.D
 Acq On : 07 Dec 2020 13:03
 Operator : VA/SY
 Sample : L4969-03
 Misc : 6.46G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NORTH-BRANFORD-03

Quant Time: Dec 08 03:13:41 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	7.99	168	220309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	305243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	271406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	133327	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	111205	47.02	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.04%	
35) Dibromofluoromethane		7.92	113	91681	44.89	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.78%	
50) Toluene-d8		10.34	98	345032	46.93	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.86%	
62) 4-Bromofluorobenzene		12.64	95	111366	43.81	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.62%	

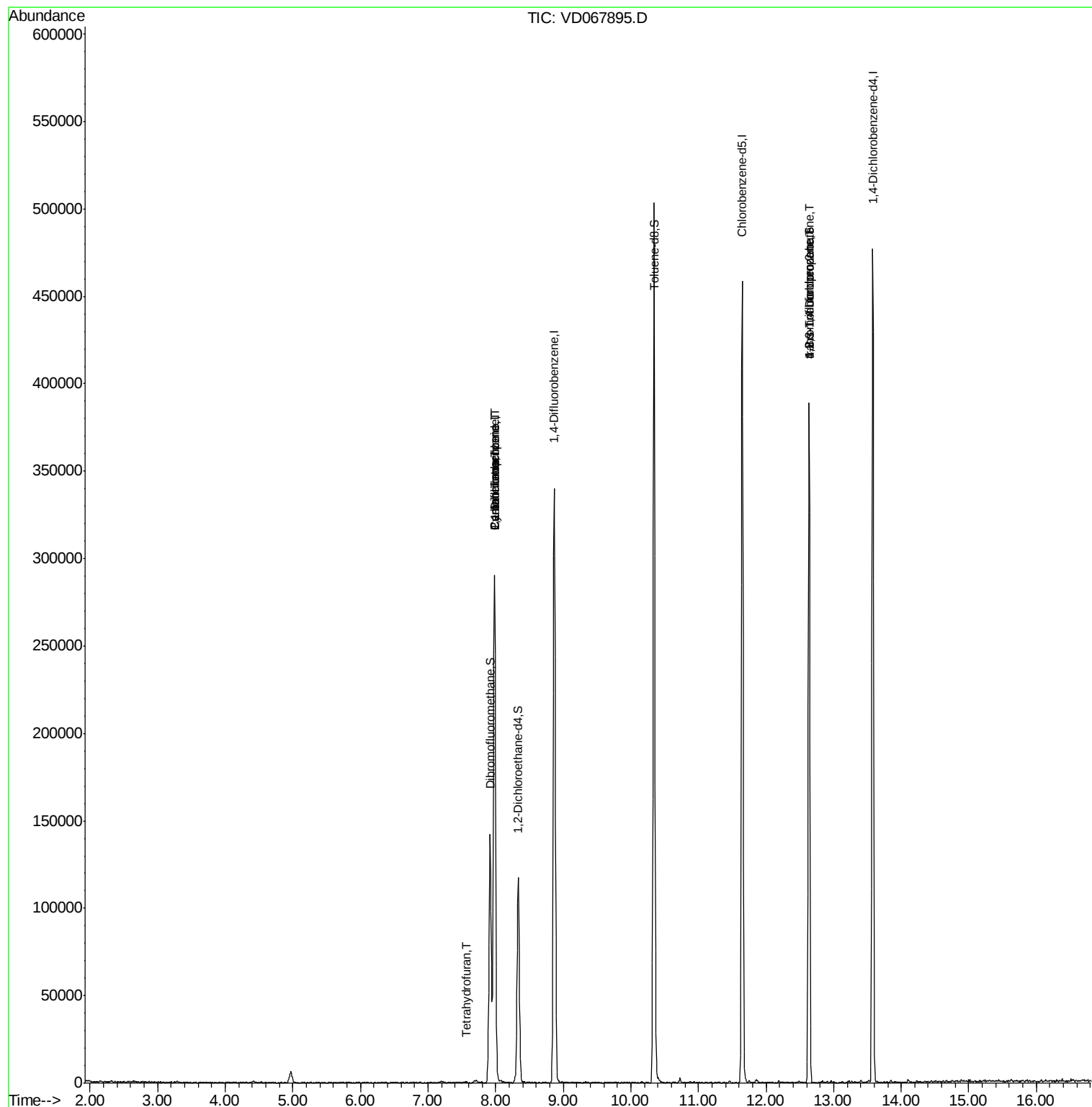
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.98	43	57	Below Cal	#	41
20) Methylene Chloride	4.96	84	5259	Below Cal	#	80
29) Tetrahydrofuran	7.57	42	370	2.114	ug/l #	78
31) Cyclohexane	7.98	56	4701	1.887	ug/l #	27
36) 1,1-Dichloropropene	7.98	75	14853	5.621	ug/l #	52
38) Carbon Tetrachloride	7.99	117	22998	5.752	ug/l #	18
41) Methacrylonitrile	7.55	41	67	Below Cal	#	14
76) 1,2,3-Trichloropropane	12.64	75	63000	64.886	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	63000	155.214	ug/l #	7

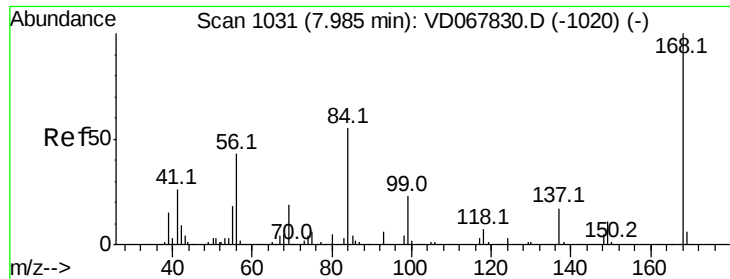
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

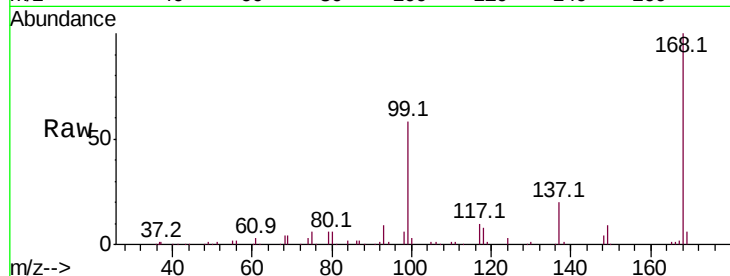
Instrument :
MSVOA_D
ClientSampleId :
NORTH-BRANFORD-03

Tot Ion:168 Resp: 220309

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

7.99

100000

80000

60000

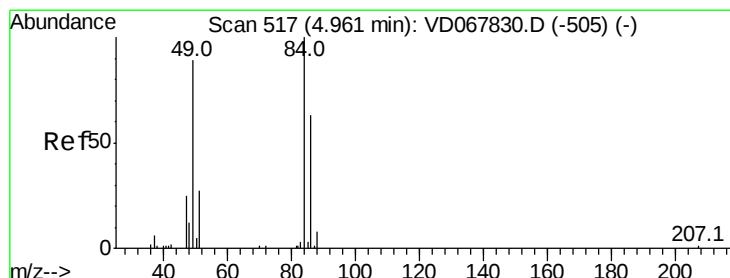
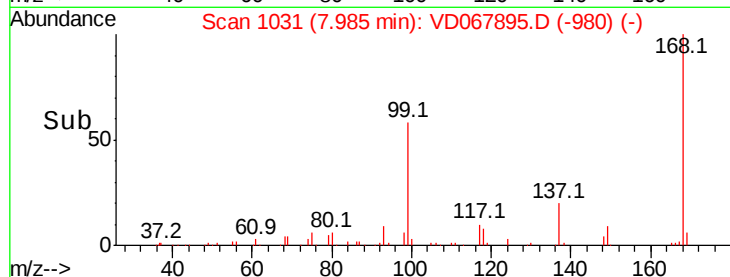
40000

20000

0

Time-->

7.90 8.00 8.10



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

Tgt Ion: 84 Resp: 5259

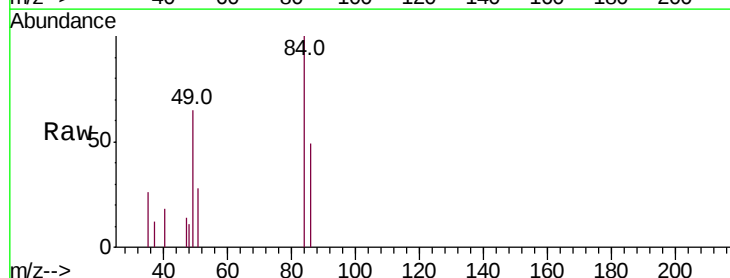
Ion Ratio Lower Upper

84 100

49 64.9 71.4 107.0#

51 28.2 21.8 32.8

86 48.8 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

2500

2000

1500

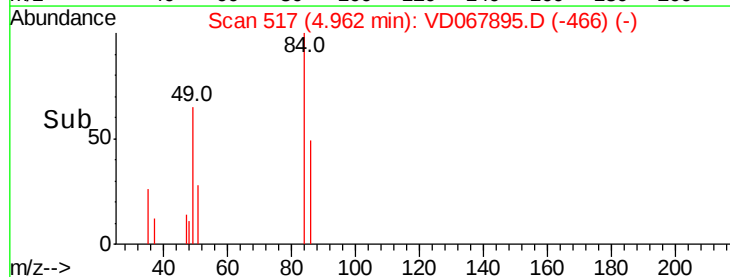
1000

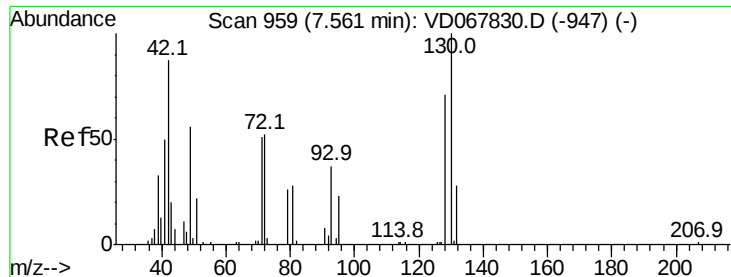
500

0

Time-->

4.90 4.95 5.00 5.05

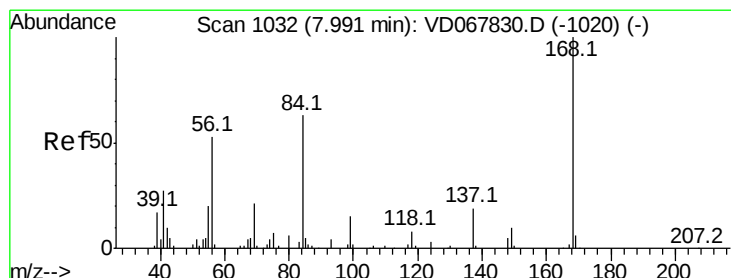
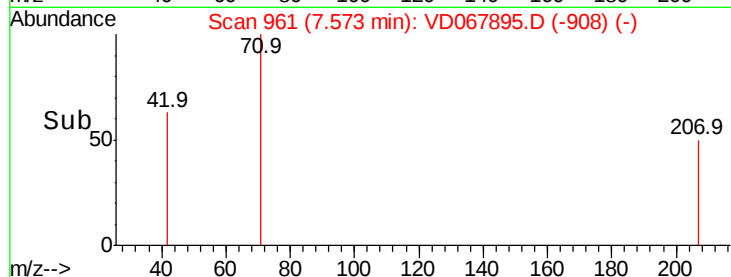
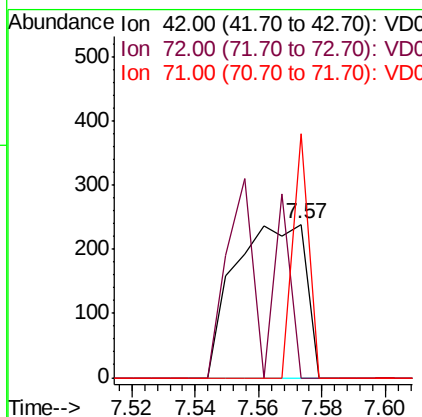
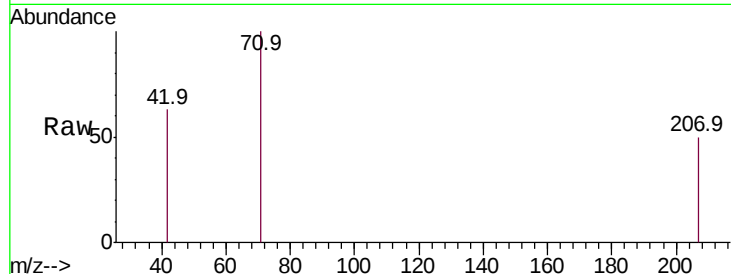




#29
Tetrahydrofuran
Concen: 2.114 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067895.D
Acq: 07 Dec 2020 13:03

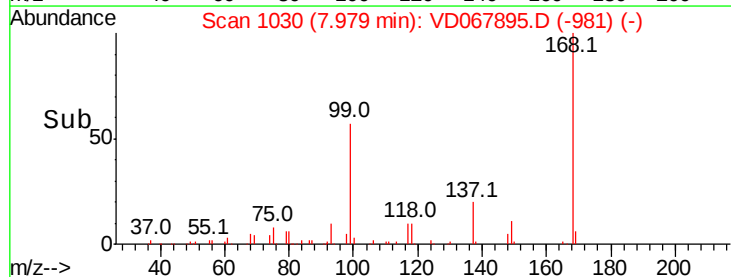
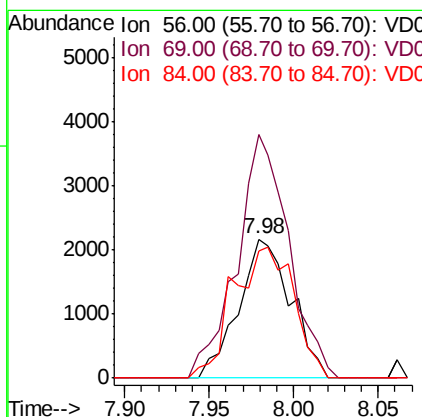
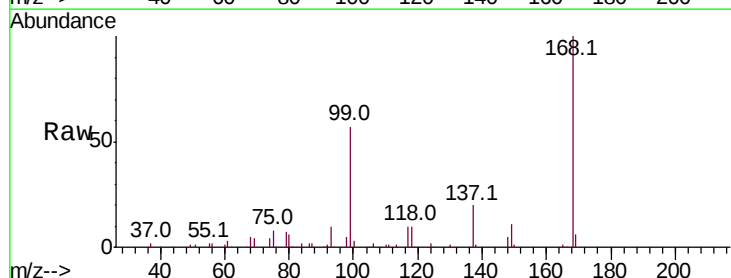
Instrument :
MSVOA_D
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NORTH-BRANFORD-03

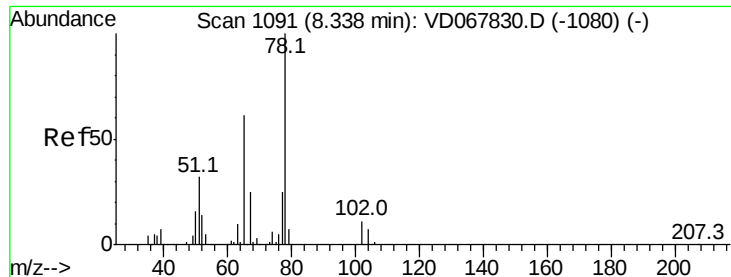
Tot Ion: 42 Resp: 370
Ion Ratio Lower Upper
42 100
72 74.9 51.9 77.9
71 36.2 48.2 72.4#



#31
Cyclohexane
Concen: 1.887 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067895.D
Acq: 07 Dec 2020 13:03

Tgt Ion: 56 Resp: 4701
Ion Ratio Lower Upper
56 100
69 175.5 32.1 48.1#
84 91.6 93.2 139.8#





#33

1,2-Dichloroethane-d4

Concen: 47.019 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

Instrument :

MSVOA_D

ClientSampleId :

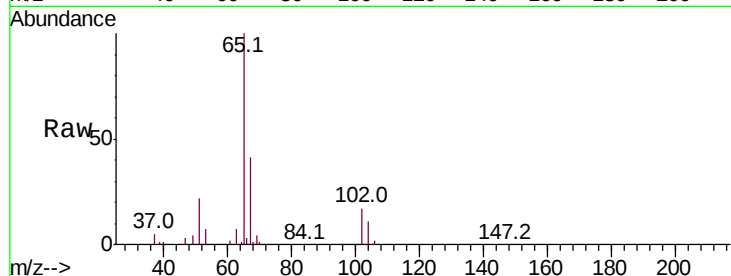
NORTH-BRANFORD-03

Tot Ion: 65 Resp: 111205

Ion Ratio Lower Upper

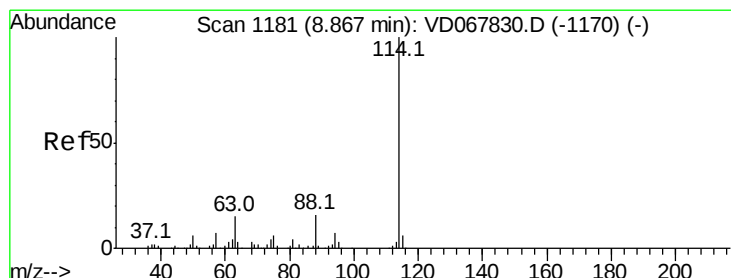
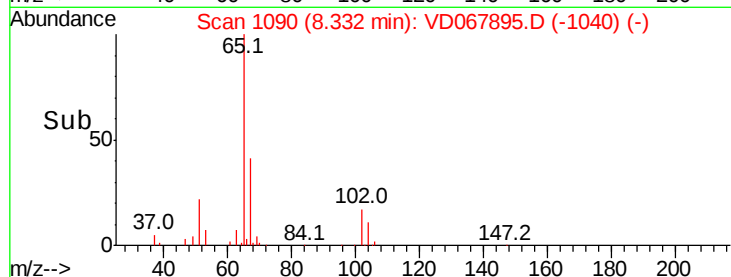
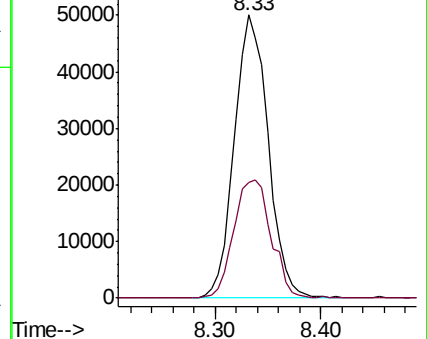
65 100

67 45.9 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

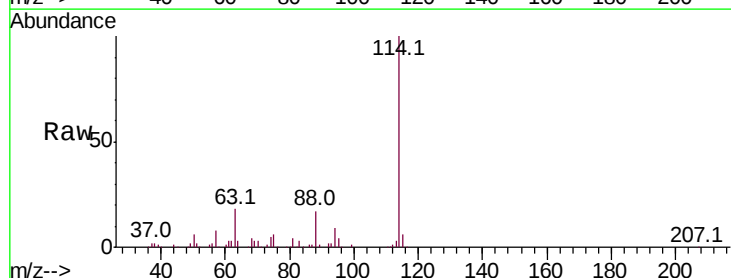
Tgt Ion: 114 Resp: 305243

Ion Ratio Lower Upper

114 100

63 17.6 0.0 30.8

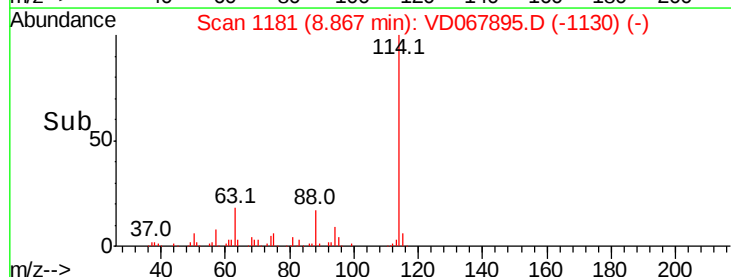
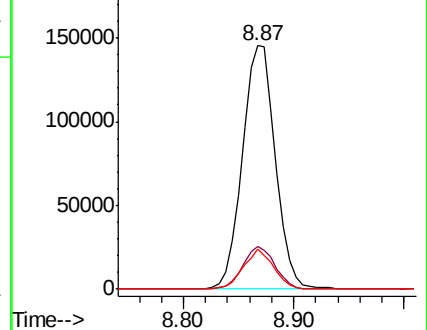
88 16.6 0.0 31.8

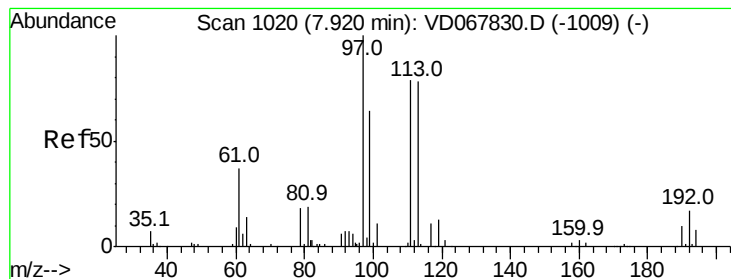


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 44.886 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

Instrument :

MSVOA_D

ClientSampleId :

NORTH-BRANFORD-03

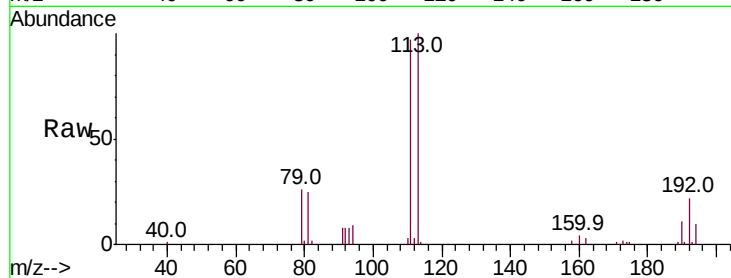
Tot Ion:113 Resp: 91681

Ion Ratio Lower Upper

113 100

111 102.3 81.2 121.8

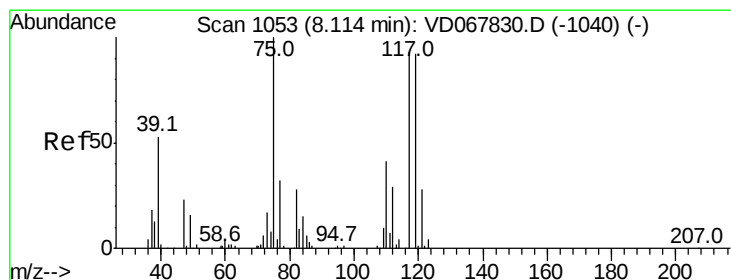
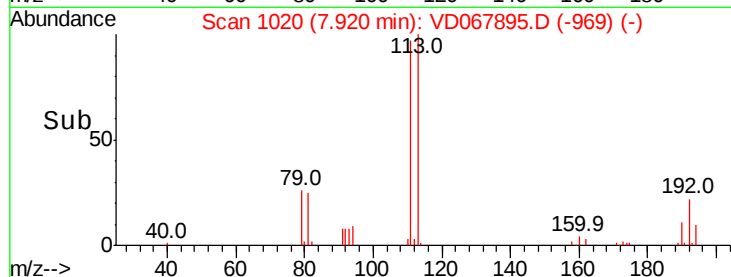
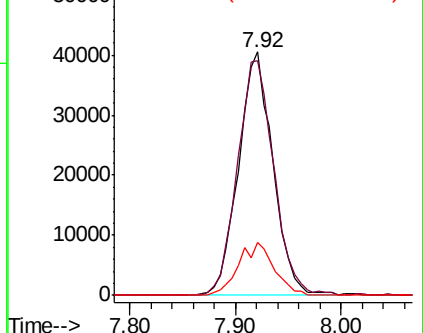
192 22.3 16.8 25.2



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: 5.621 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

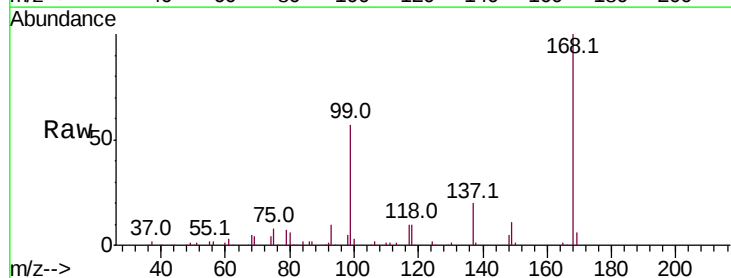
Tgt Ion: 75 Resp: 14853

Ion Ratio Lower Upper

75 100

110 14.9 20.3 61.0#

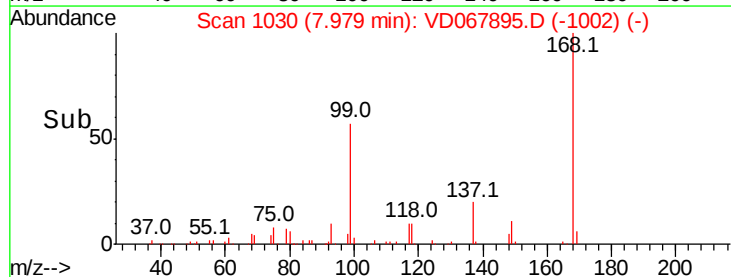
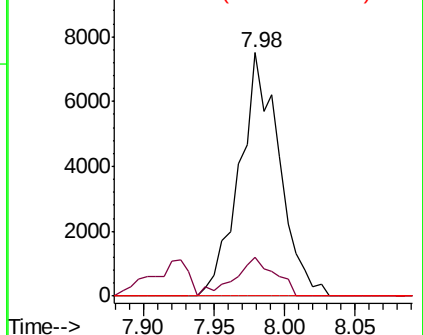
77 0.0 24.7 37.1#

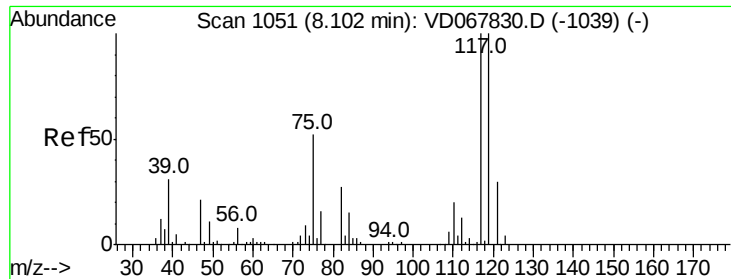


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.752 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

Instrument :

MSVOA_D

ClientSampleId :

NORTH-BRANFORD-03

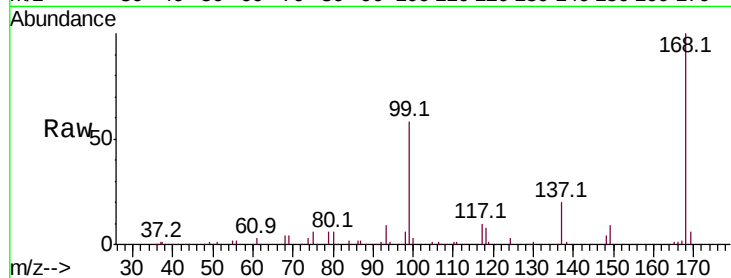
Tot Ion:117 Resp: 22998

Ion Ratio Lower Upper

117 100

119 9.6 79.7 119.5#

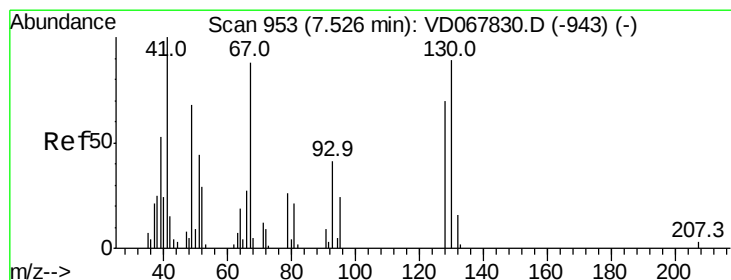
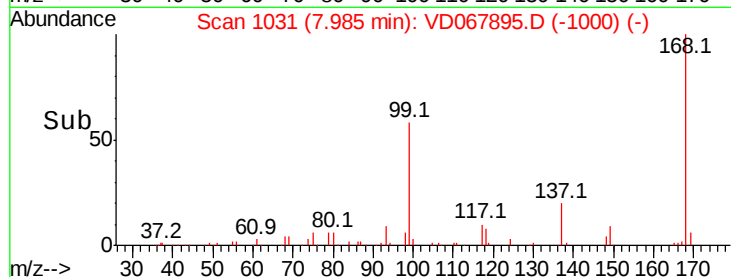
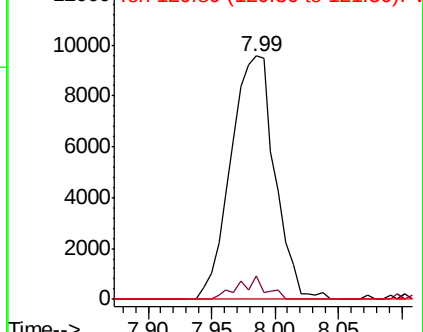
121 0.0 23.8 35.6#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 7.55 min Scan# 957

Delta R.T. 0.02 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

Tgt Ion: 41 Resp: 67

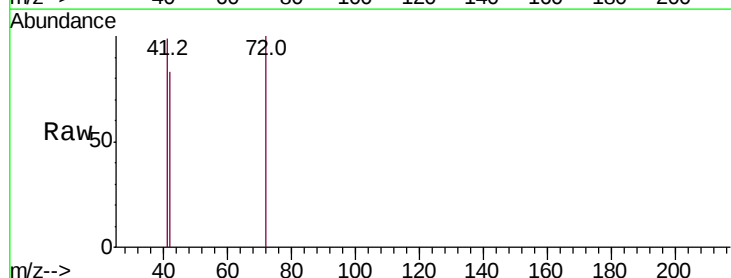
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

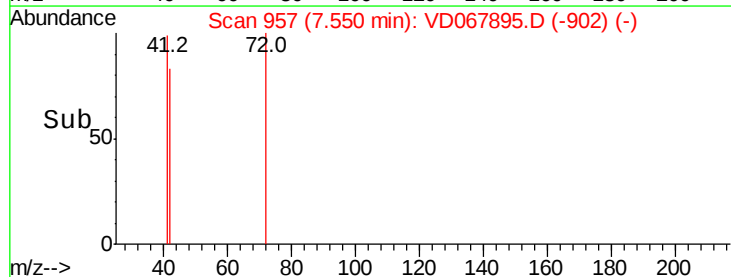
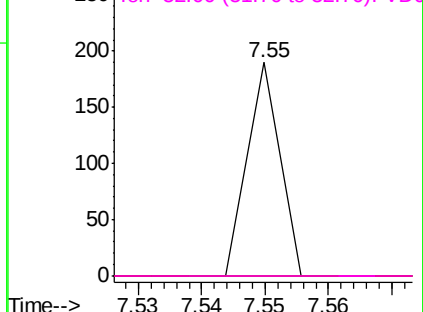


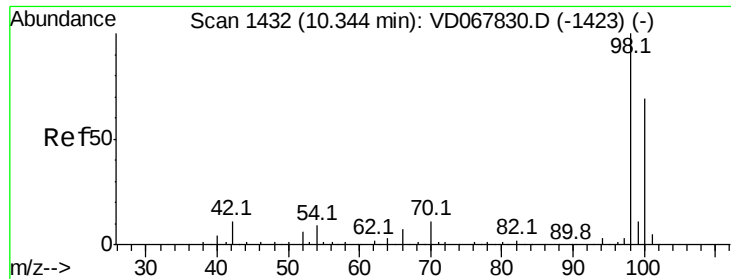
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: 46.926 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

Instrument :

MSVOA_D

ClientSampleId :

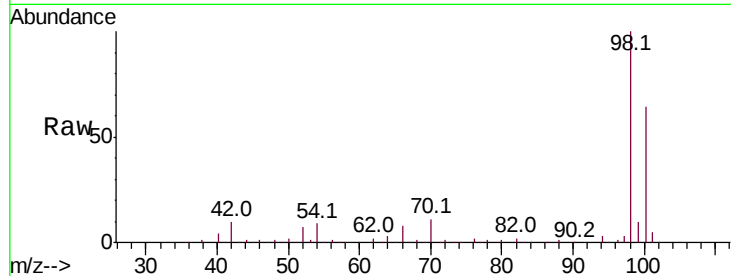
NORTH-BRANFORD-03

Tot Ion: 98 Resp: 345032

Ion Ratio Lower Upper

98 100

100 65.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

200000

150000

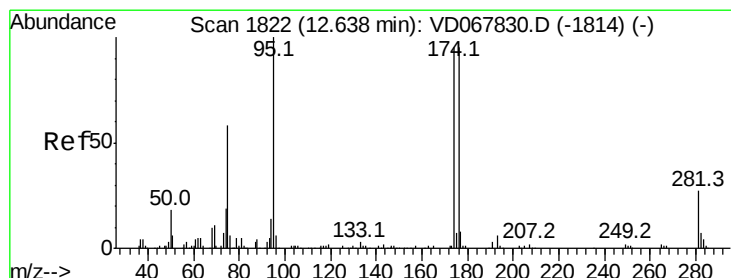
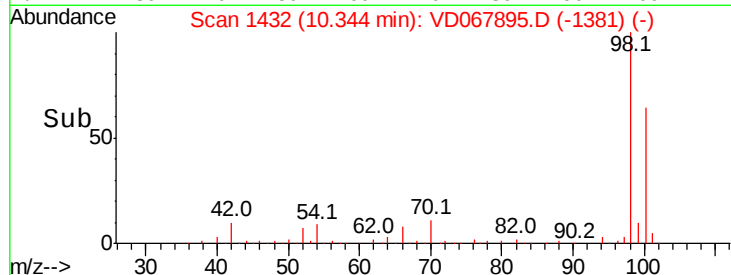
100000

50000

0

10.30 10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 43.810 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

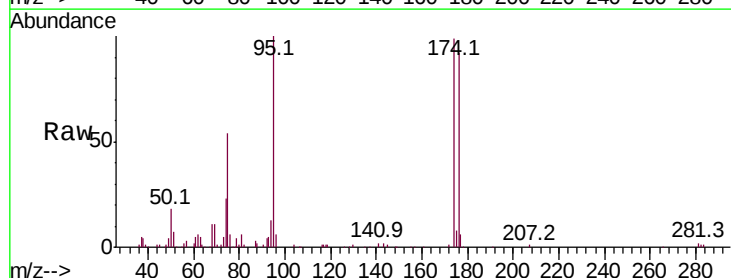
Tgt Ion: 95 Resp: 111366

Ion Ratio Lower Upper

95 100

174 98.5 0.0 186.0

176 94.8 0.0 184.2



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

80000

60000

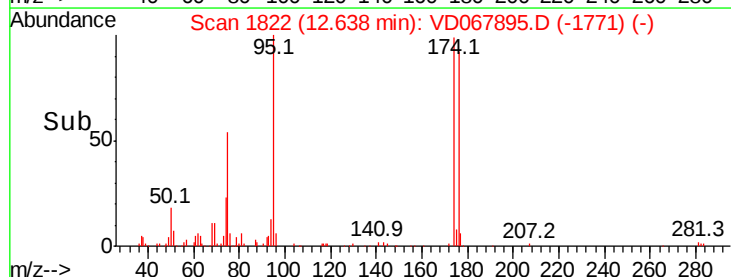
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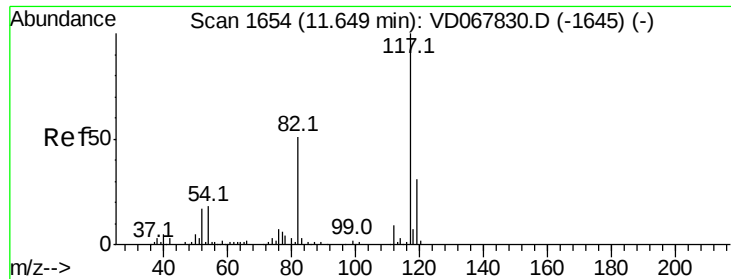
20000

0

12.55 12.60 12.65 12.70

Time-->

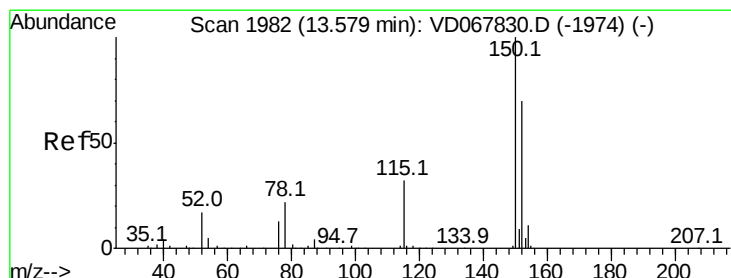
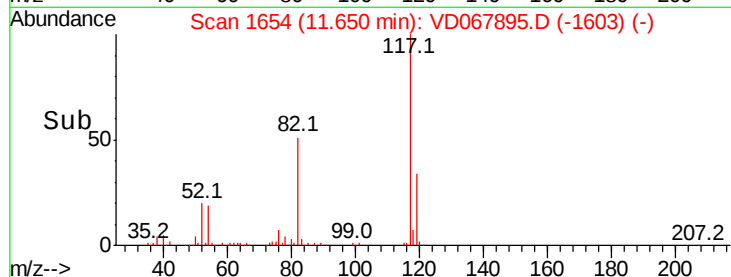
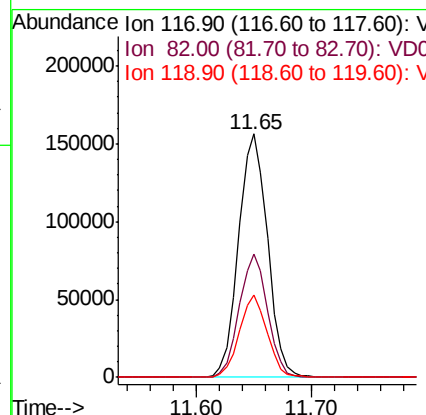
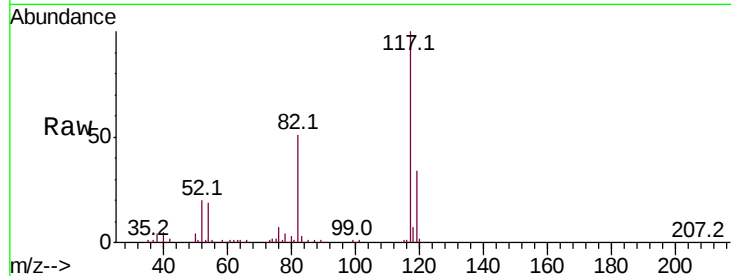




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067895.D
Acq: 07 Dec 2020 13:03

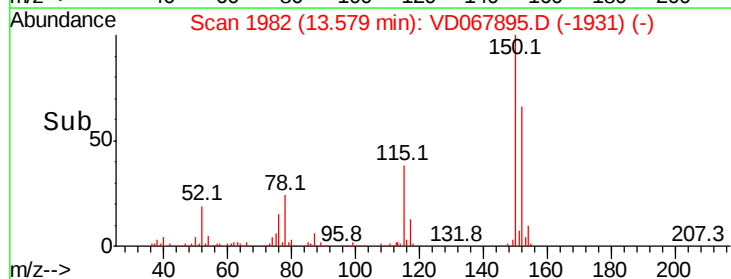
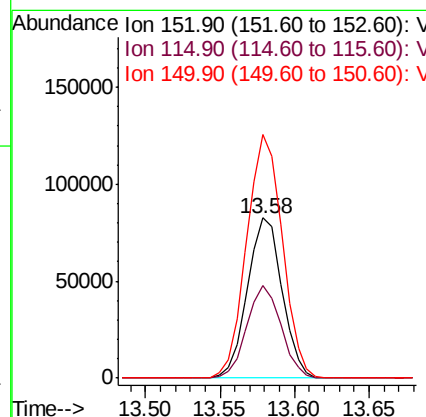
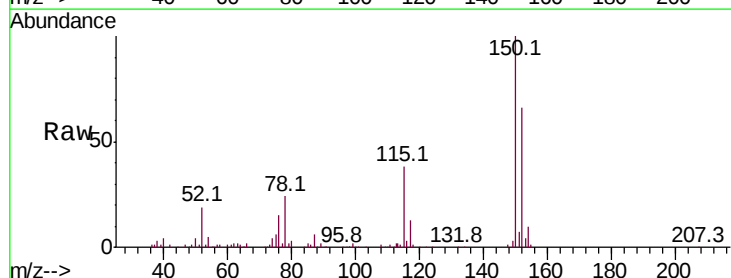
Instrument :
MSVOA_D
ClientSampleId :
NORTH-BRANFORD-03

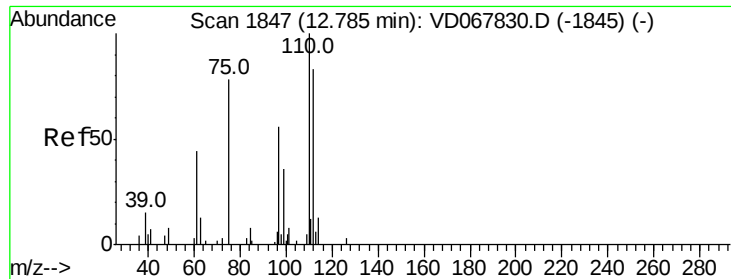
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	40.6	60.8
119	33.7	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067895.D
Acq: 07 Dec 2020 13:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	29.1	87.4
150	156.5	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 64.886 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

Instrument :

MSVOA_D

ClientSampleId :

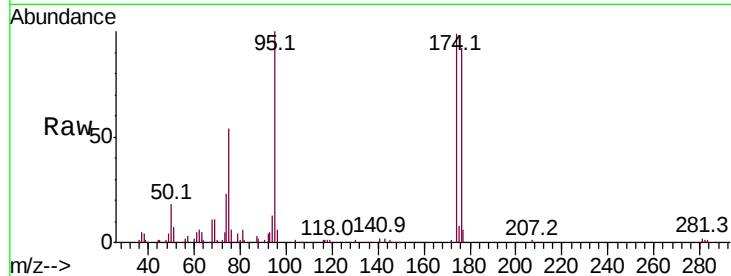
NORTH-BRANFORD-03

Tot Ion: 75 Resp: 63000

Ion Ratio Lower Upper

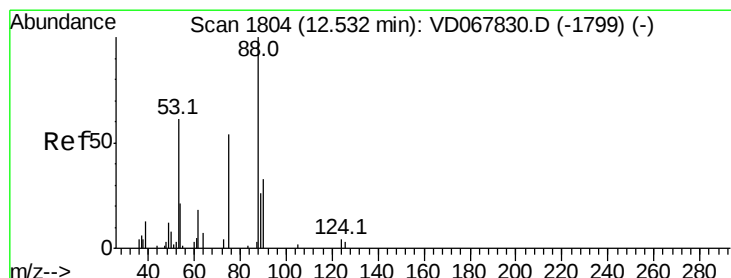
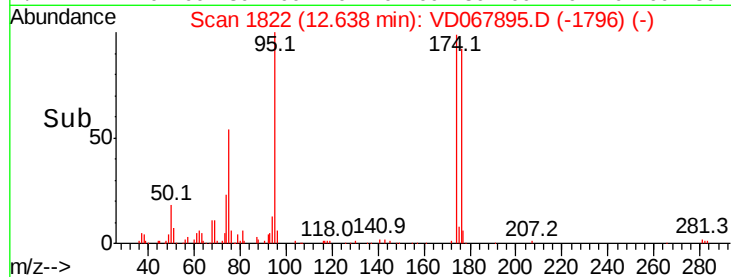
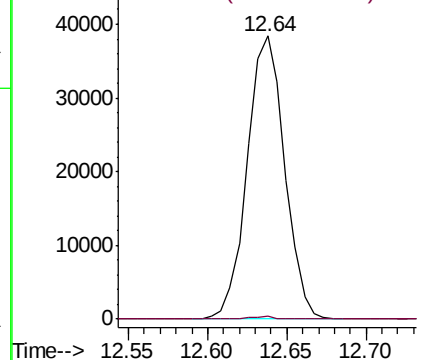
75 100

77 0.5 175.9 527.7#



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: 155.214 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067895.D

Acq: 07 Dec 2020 13:03

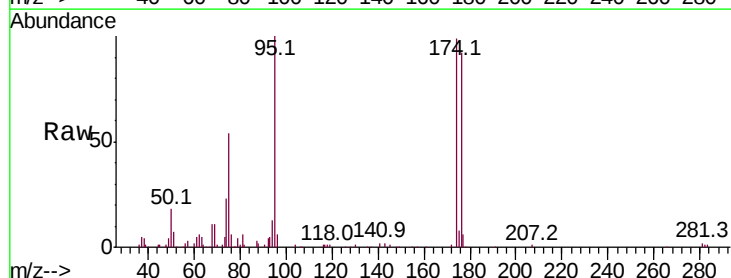
Tgt Ion: 75 Resp: 63000

Ion Ratio Lower Upper

75 100

53 0.1 84.6 127.0#

89 0.0 41.0 61.6#



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

