

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067893.D
 Acq On : 07 Dec 2020 12:08
 Operator : VA/SY
 Sample : L4969-01
 Misc : 5.16G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NORTH-BRANFORD-01

Quant Time: Dec 08 03:13:25 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	232402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	275074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	133525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	114258	45.80	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.60%
35) Dibromofluoromethane	7.92	113	91123	42.52	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.04%
50) Toluene-d8	10.34	98	354876	46.00	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.00%
62) 4-Bromofluorobenzene	12.64	95	114247	42.83	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.66%

Target Compounds

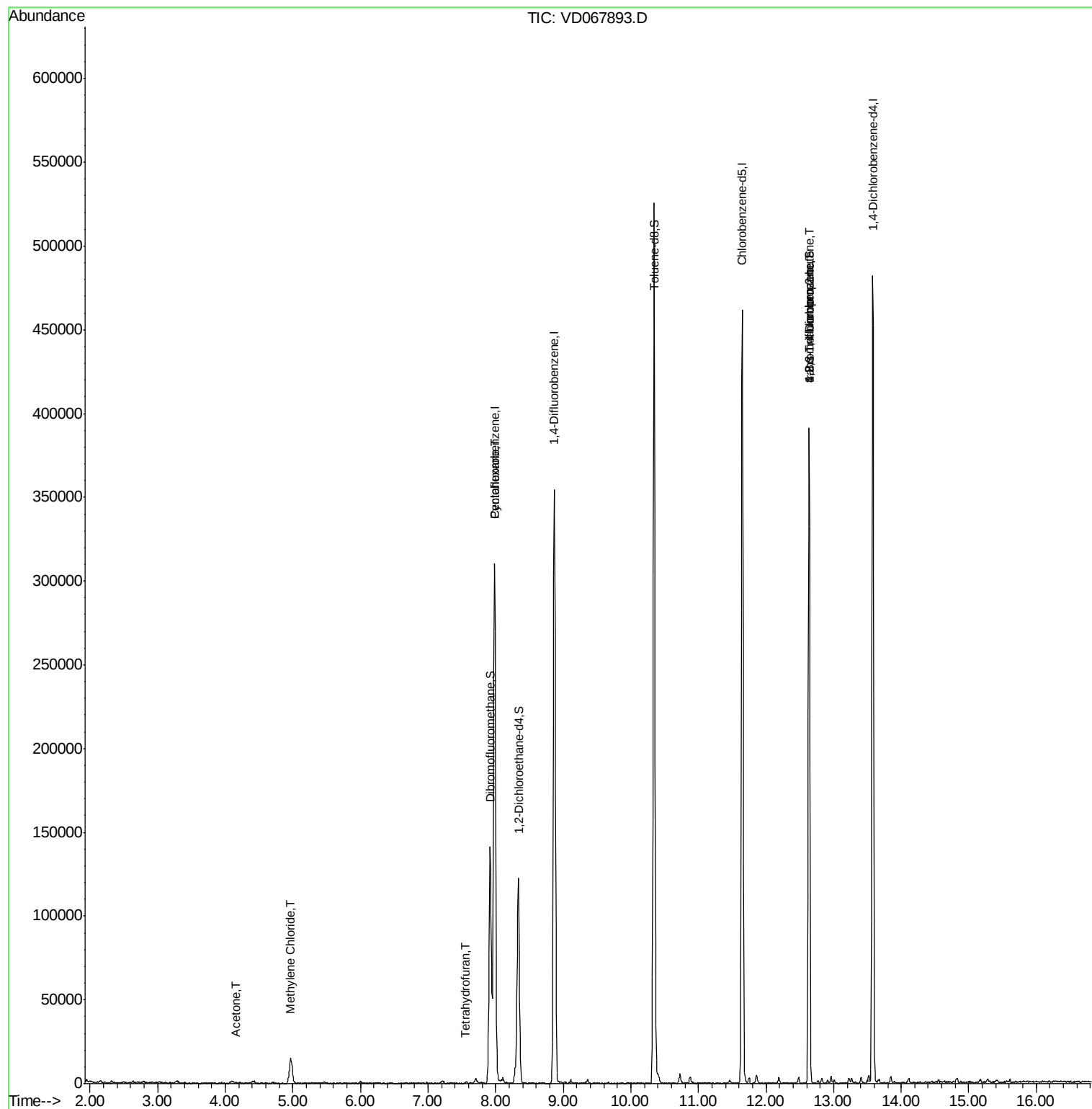
					Qvalue	
16) Acetone	4.16	43	684	2.219	ug/l #	47
20) Methylene Chloride	4.97	84	13016	2.626	ug/l	88
29) Tetrahydrofuran	7.56	42	427	2.313	ug/l #	38
31) Cyclohexane	7.98	56	5410	2.058	ug/l #	22
41) Methacrylonitrile	7.56	41	136	Below Cal	#	14
76) 1,2,3-Trichloropropane	12.64	75	62704	64.486	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	62704	154.256	ug/l #	7

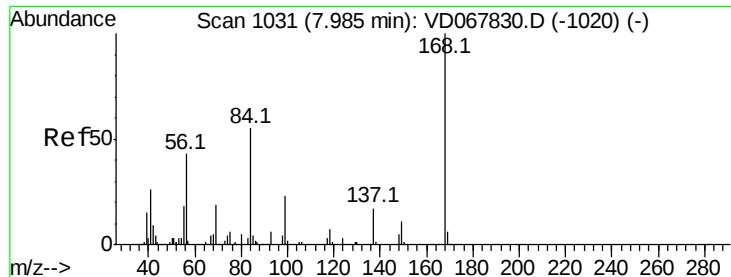
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD067893.D

Acq: 07 Dec 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

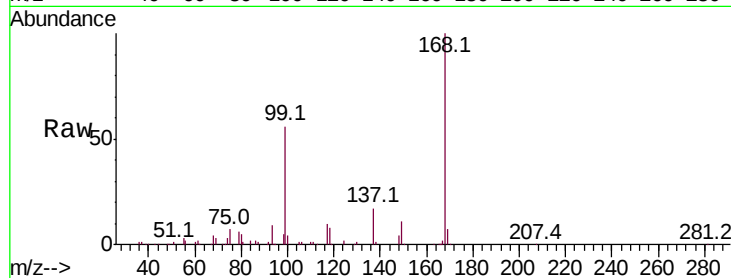
NORTH-BRANFORD-01

Tot Ion:168 Resp: 232402

Ion Ratio Lower Upper

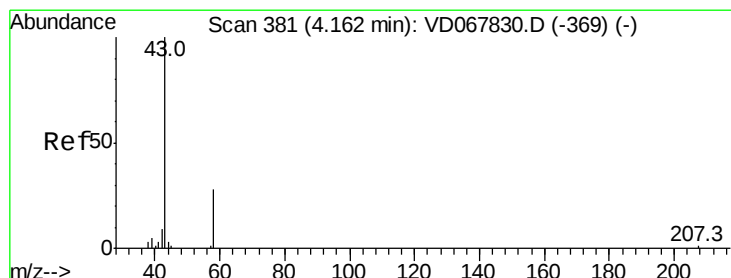
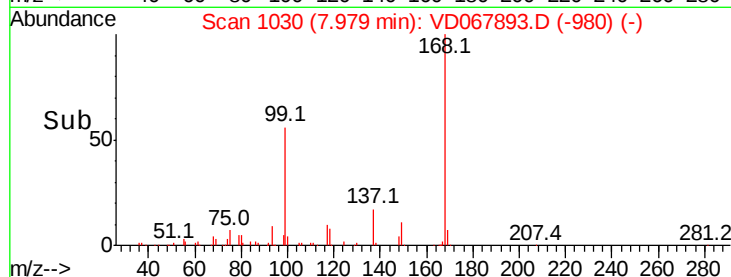
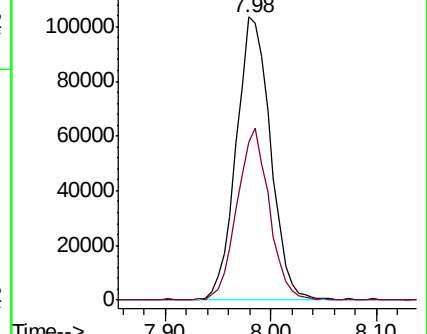
168 100

99 55.5 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 2.219 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067893.D

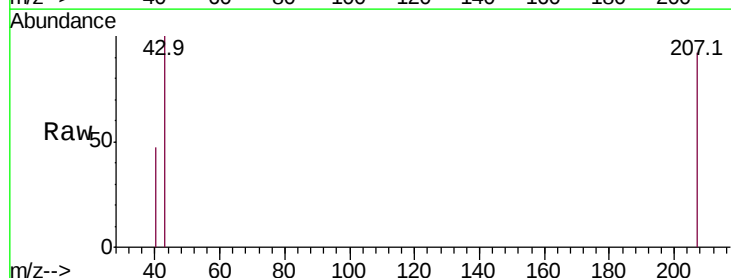
Acq: 07 Dec 2020 12:08

Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

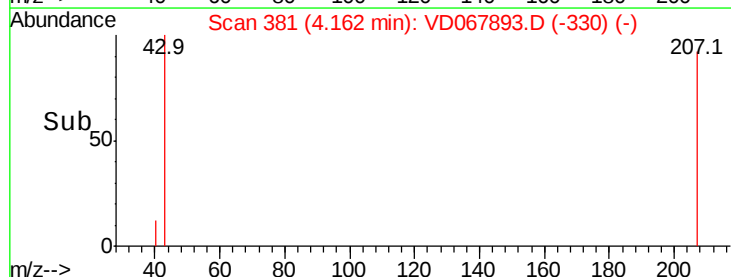
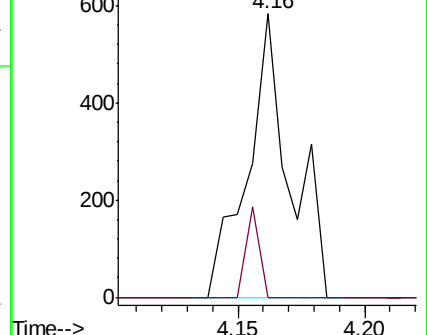
43 100

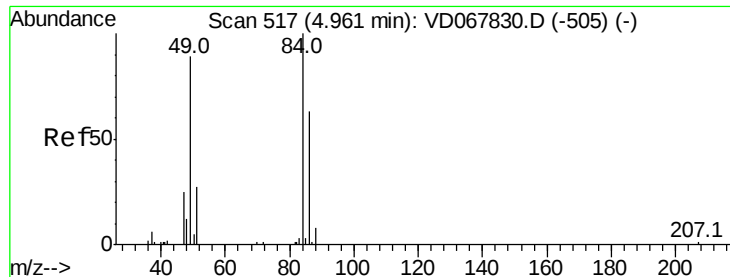
58 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

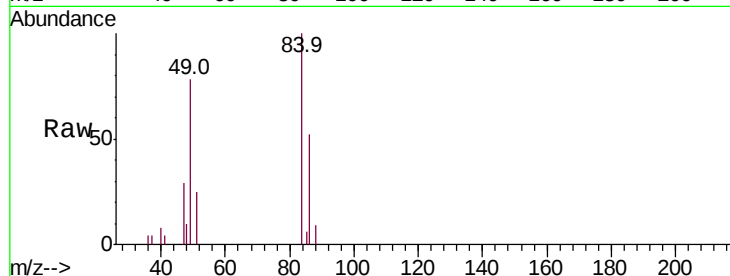




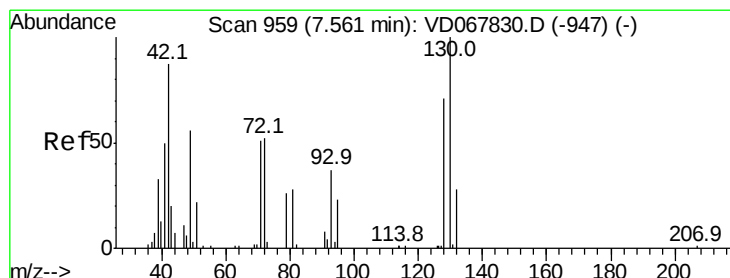
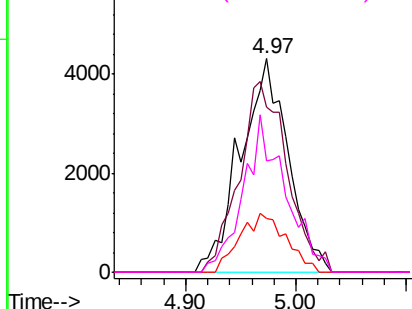
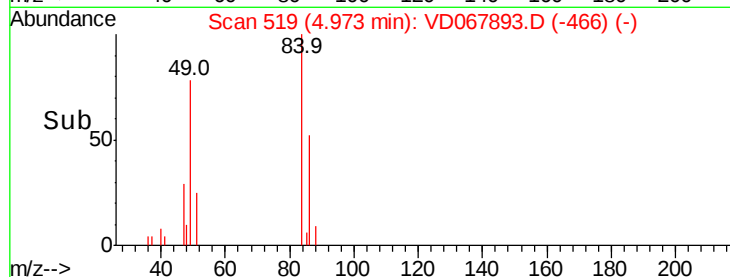
#20
Methvlene Chloride
Concen: 2.626 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067893.D
Acq: 07 Dec 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
NORTH-BRANFORD-01

Tot Ion: 84 Resp: 13016
Ion Ratio Lower Upper
84 100
49 77.6 71.4 107.0
51 25.4 21.8 32.8
86 52.2 50.6 75.8

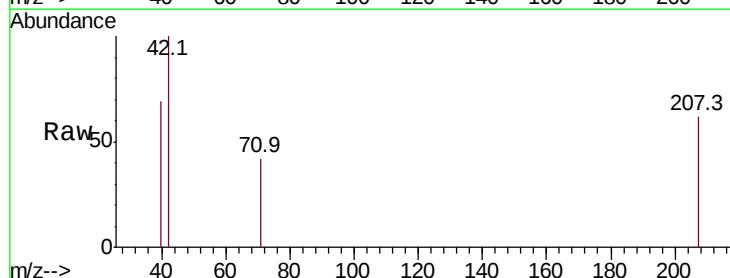


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

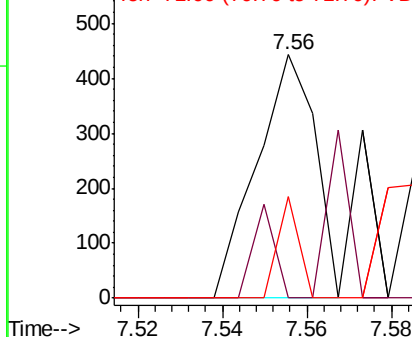
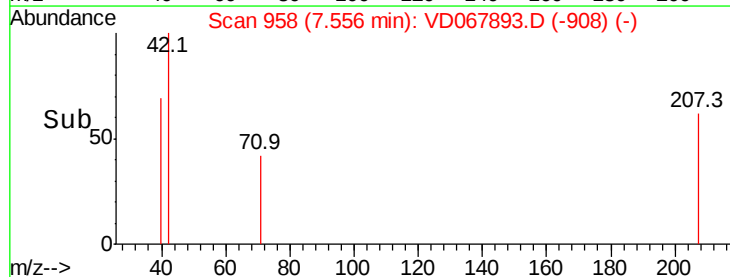


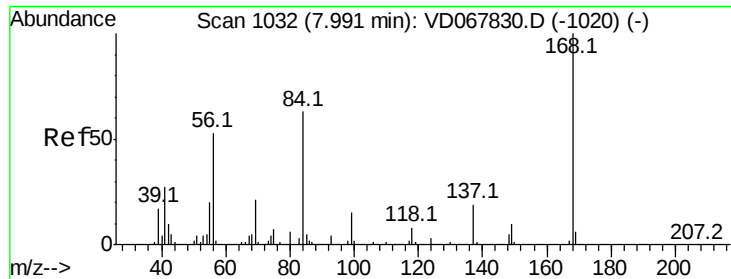
#29
Tetrahydrofuran
Concen: 2.313 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067893.D
Acq: 07 Dec 2020 12:08

Tgt Ion: 42 Resp: 427
Ion Ratio Lower Upper
42 100
72 14.1 51.9 77.9#
71 15.2 48.2 72.4#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

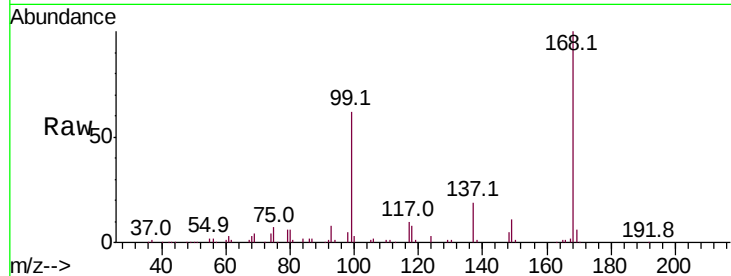




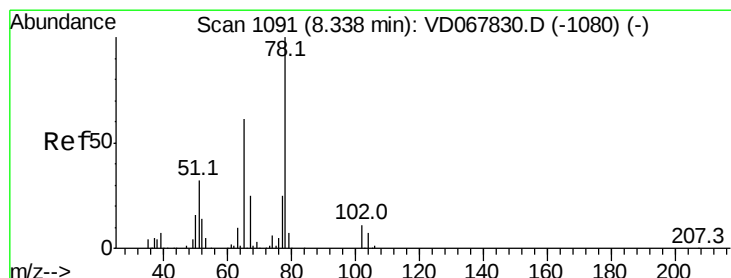
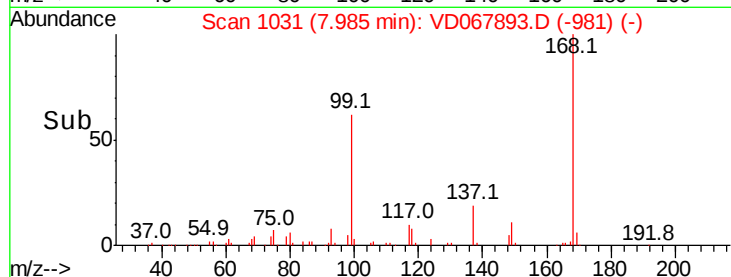
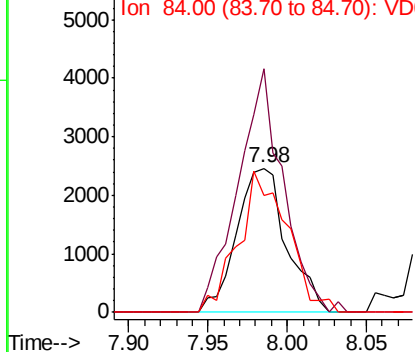
#31
Cyclohexane
Concen: 2.058 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067893.D
Acq: 07 Dec 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
NORTH-BRANFORD-01

Tot Ion: 56 Resp: 5410
Ion Ratio Lower Upper
56 100
69 168.7 32.1 48.1#
84 80.6 93.2 139.8#

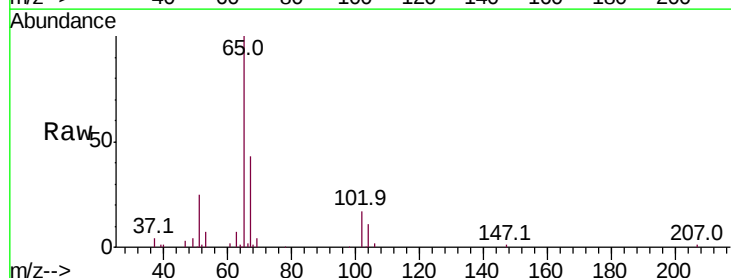


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

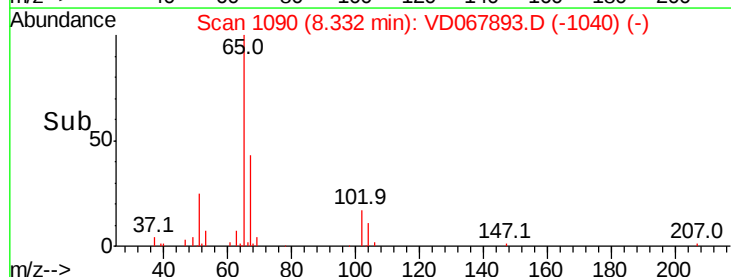
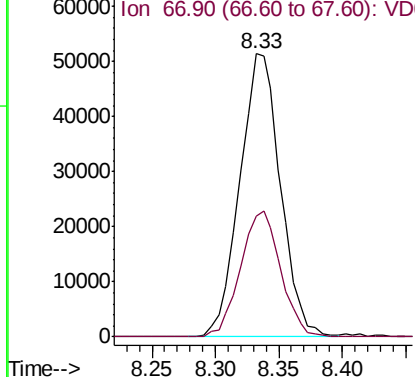


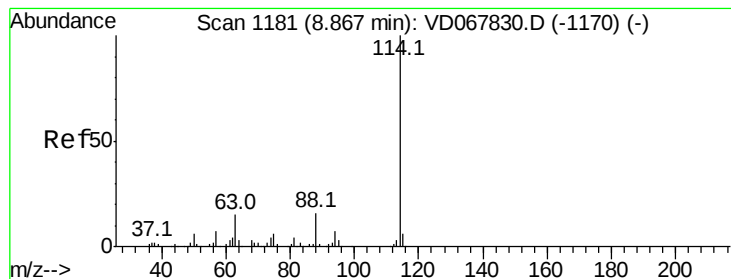
#33
1,2-Dichloroethane-d4
Concen: 45.796 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067893.D
Acq: 07 Dec 2020 12:08

Tgt Ion: 65 Resp: 114258
Ion Ratio Lower Upper
65 100
67 44.0 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: VD067893.D

Acq: 07 Dec 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

NORTH-BRANFORD-01

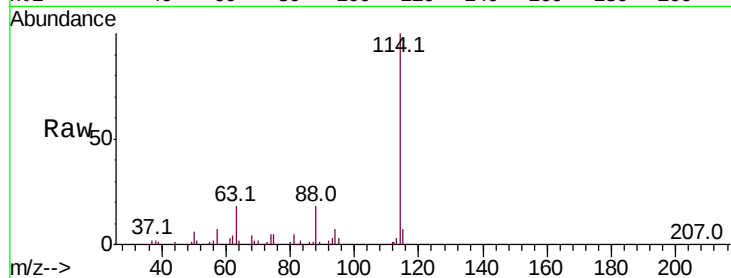
Tot Ion:114 Resp: 320284

Ion Ratio Lower Upper

114 100

63 18.1 0.0 30.8

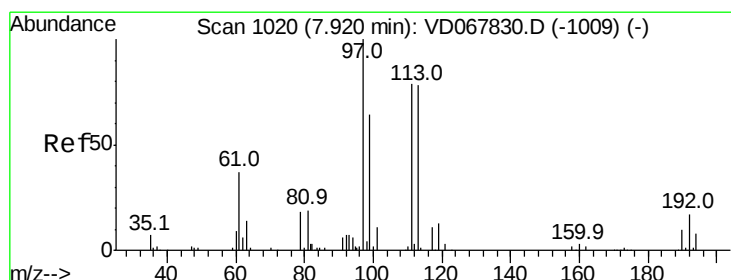
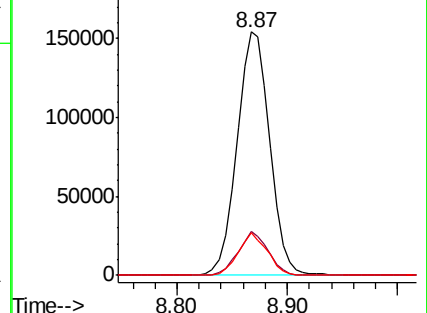
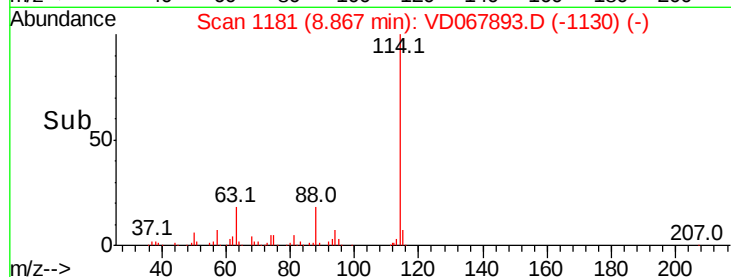
88 17.6 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 42.518 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067893.D

Acq: 07 Dec 2020 12:08

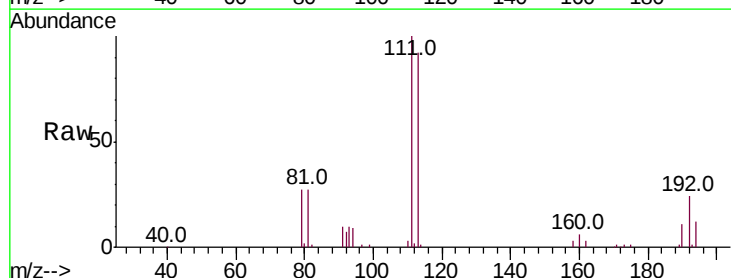
Tgt Ion:113 Resp: 91123

Ion Ratio Lower Upper

113 100

111 106.0 81.2 121.8

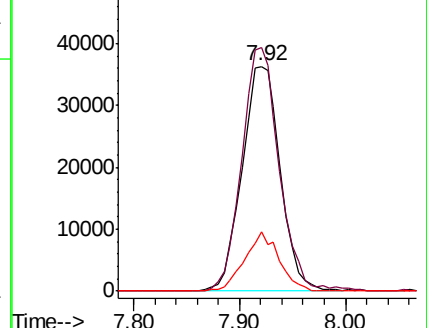
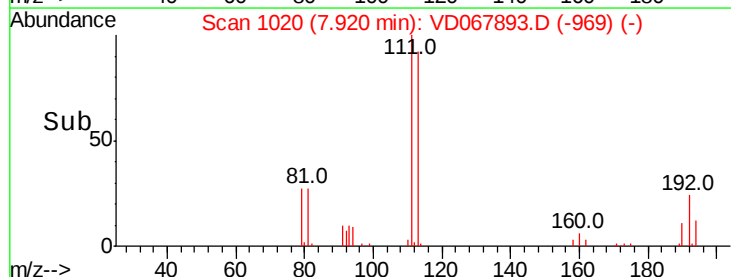
192 23.5 16.8 25.2

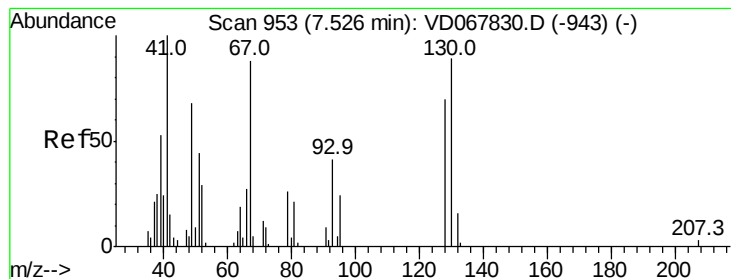


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.56 min Scan# 959

Delta R.T. 0.04 min

Lab File: VD067893.D

Acq: 07 Dec 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

NORTH-BRANFORD-01

Tot Ion: 41 Resp: 136

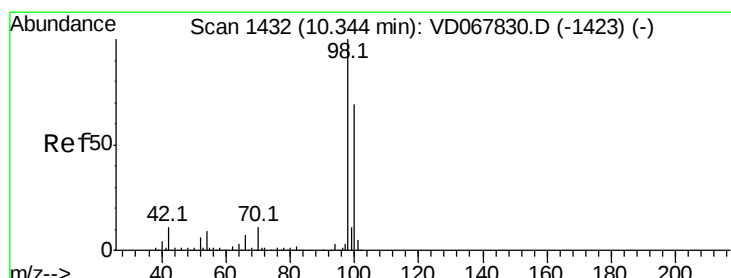
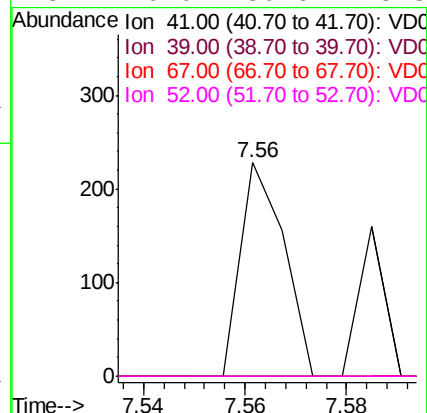
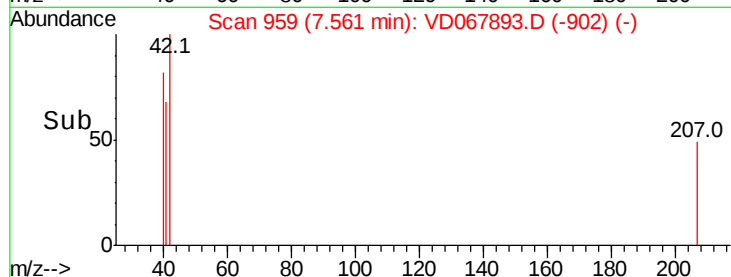
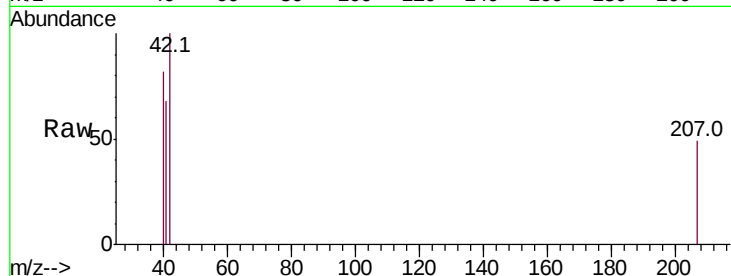
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#



#50

Toluene-d8

Concen: 45.998 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067893.D

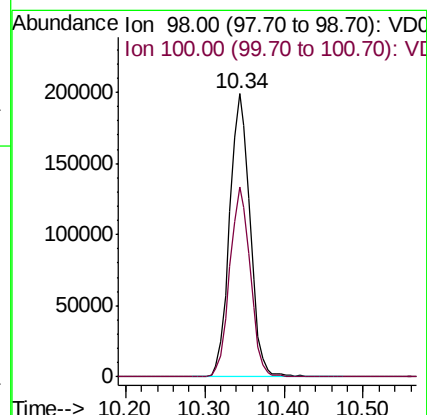
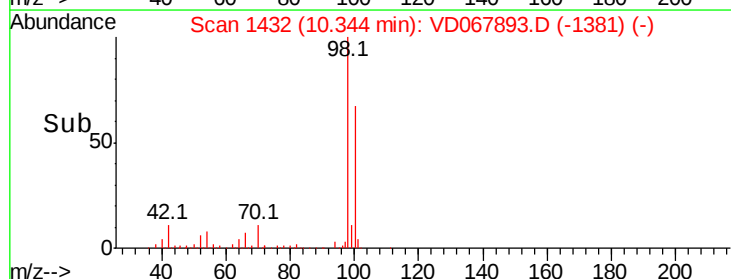
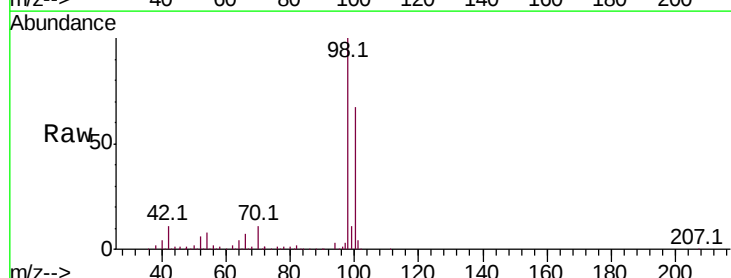
Acq: 07 Dec 2020 12:08

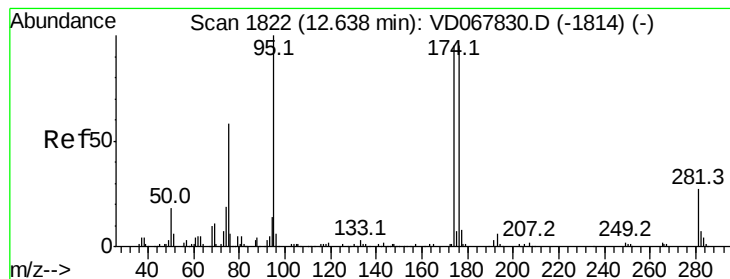
Tgt Ion: 98 Resp: 354876

Ion Ratio Lower Upper

98 100

100 67.3 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 42.833 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067893.D

Acq: 07 Dec 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

NORTH-BRANFORD-01

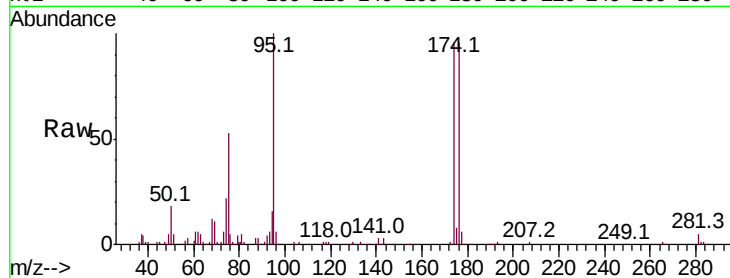
Tot Ion: 95 Resp: 114247

Ion Ratio Lower Upper

95 100

174 93.2 0.0 186.0

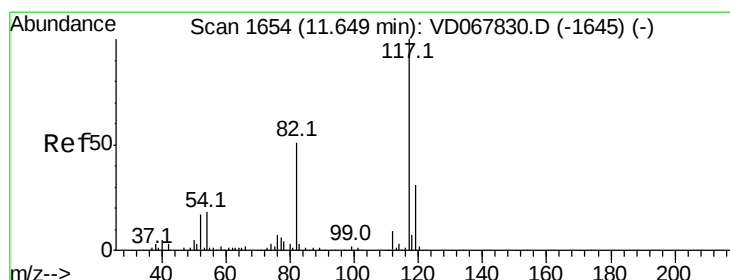
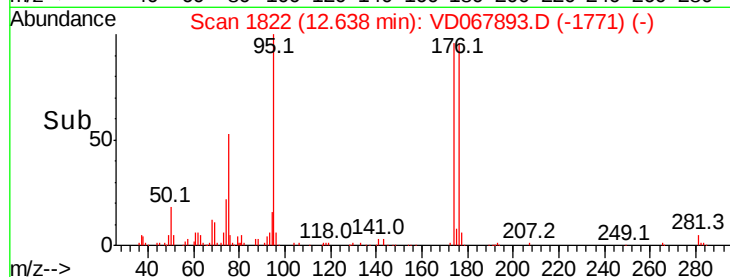
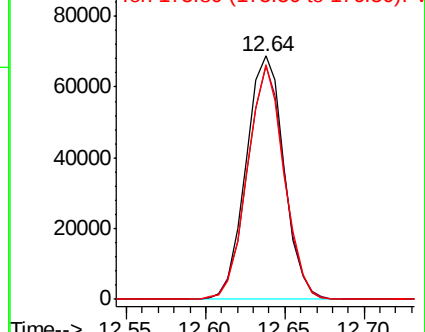
176 92.6 0.0 184.2



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: VD067893.D

Acq: 07 Dec 2020 12:08

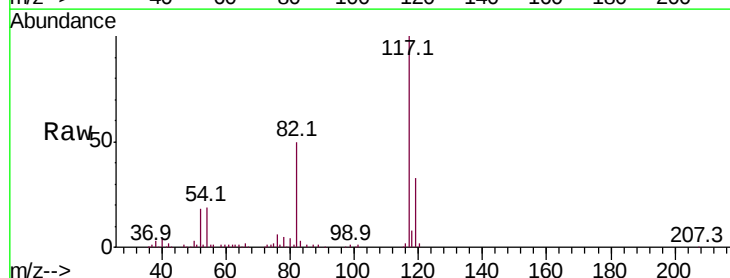
Tgt Ion: 117 Resp: 275074

Ion Ratio Lower Upper

117 100

82 49.8 40.6 60.8

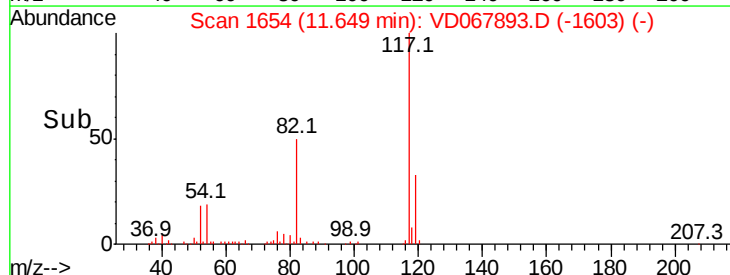
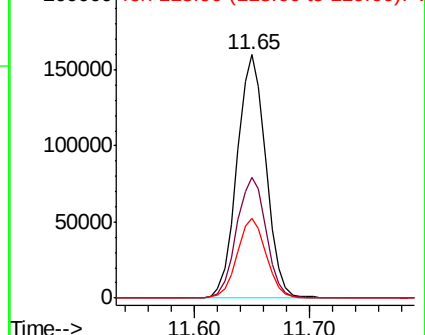
119 32.8 25.1 37.7

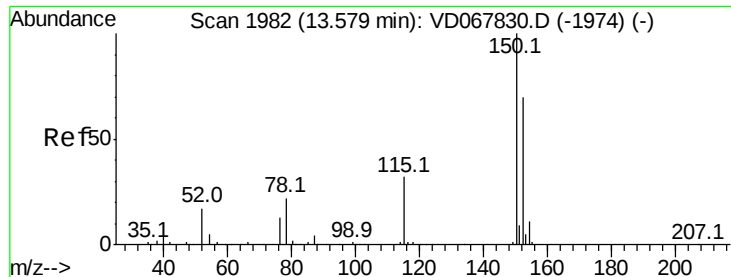


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067893.D

Acq: 07 Dec 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

NORTH-BRANFORD-01

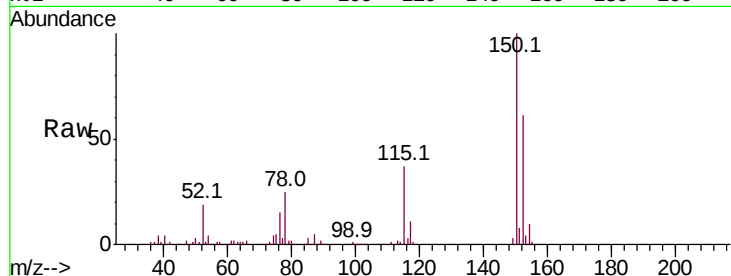
Tot Ion:152 Resp: 133525

Ion Ratio Lower Upper

152 100

115 59.0 29.1 87.4

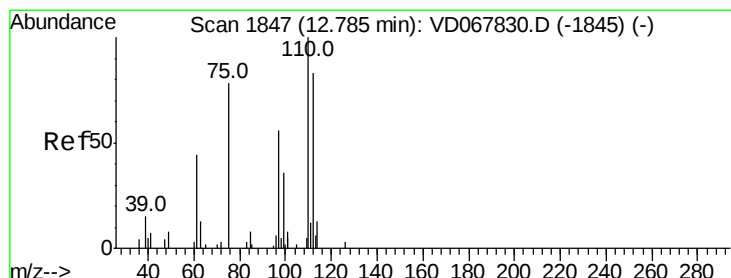
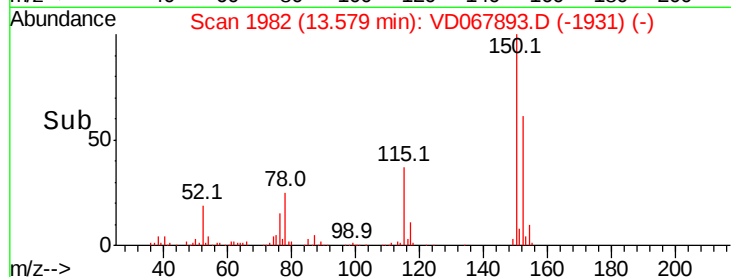
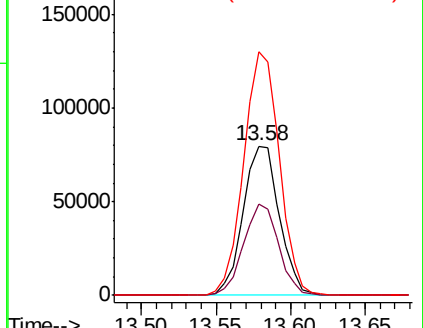
150 160.7 0.0 339.0



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: 64.486 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067893.D

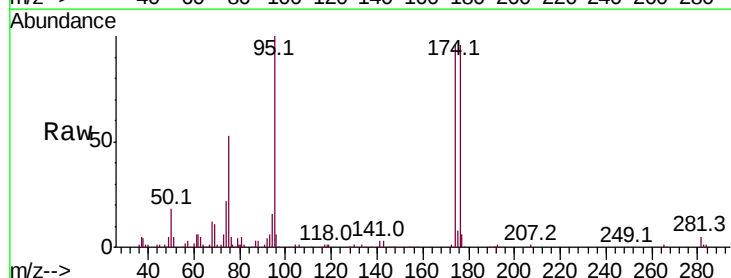
Acq: 07 Dec 2020 12:08

Tgt Ion: 75 Resp: 62704

Ion Ratio Lower Upper

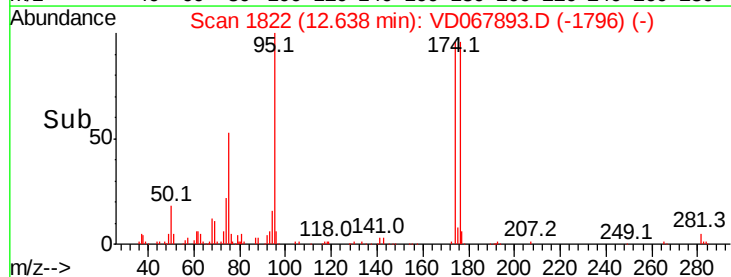
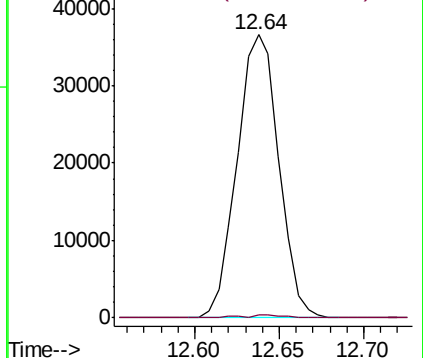
75 100

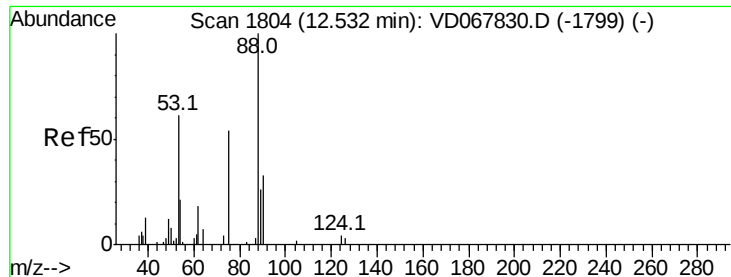
77 0.9 175.9 527.7#



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: 154.256 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067893.D

Acq: 07 Dec 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

NORTH-BRANFORD-01

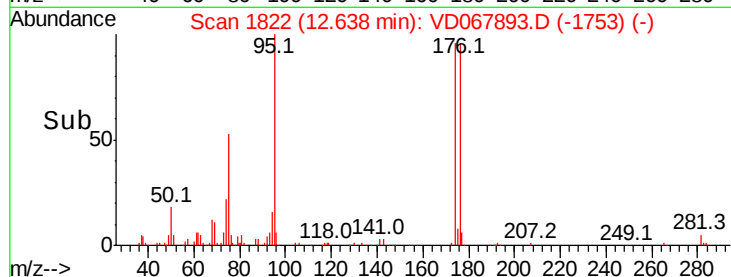
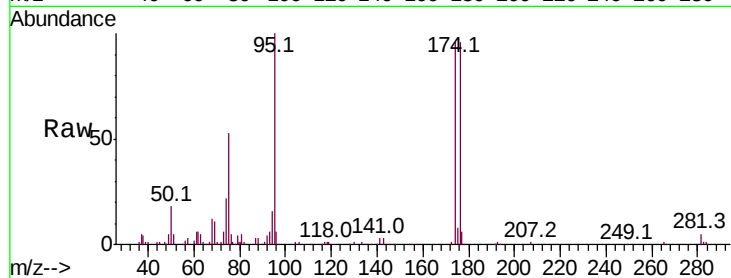
Tot Ion: 75 Resp: 62704

Ion Ratio Lower Upper

75 100

53 0.0 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

