

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120120\
 Data File : VN064878.D
 Acq On : 1 Dec 2020 13:27
 Operator : JC/MD
 Sample : L4908-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Dec 02 00:16:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	169098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	300294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	310400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132841	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		7.99	65	104604	53.21	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.42%	
35) Dibromofluoromethane		7.55	113	95008	52.87	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.74%	
50) Toluene-d8		10.06	98	370031	50.40	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.80%	
62) 4-Bromofluorobenzene		12.38	95	141402	53.82	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.64%	

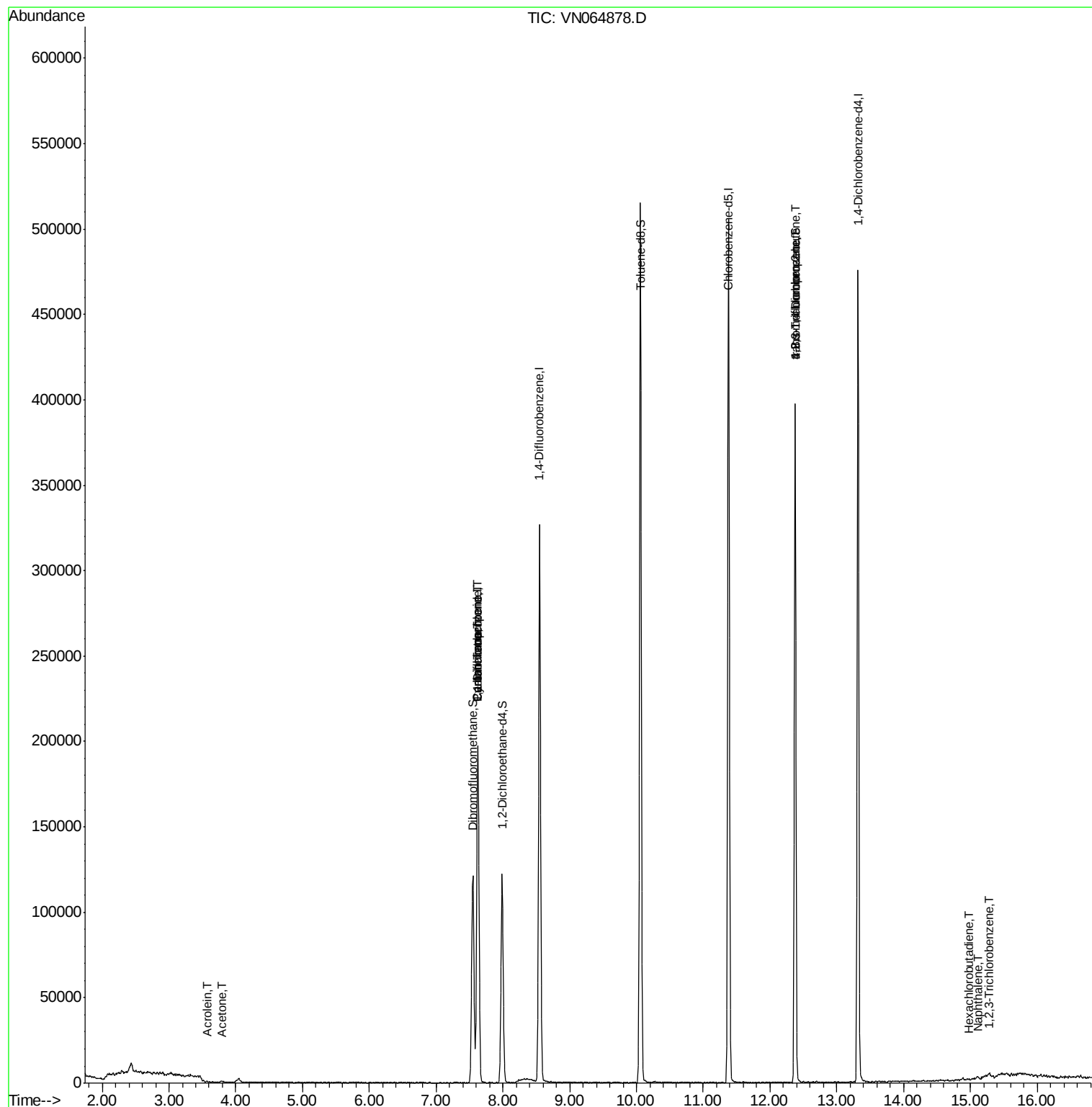
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.56	56	160	0.854	ug/l #	74
16) Acetone	3.79	43	1175	1.818	ug/l #	43
31) Cyclohexane	7.62	56	2984	1.089	ug/l #	7
36) 1,1-Dichloropropene	7.62	75	11720	4.211	ug/l #	48
38) Carbon Tetrachloride	7.62	117	15743	5.436	ug/l #	17
76) 1,2,3-Trichloropropane	12.38	75	66664	23.302	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66664	63.866	ug/l #	15
94) Hexachlorobutadiene	14.99	225	65	0.426	ug/l #	1
95) Naphthalene	15.11	128	2147	0.267	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.29	180	827	1.707	ug/l	93

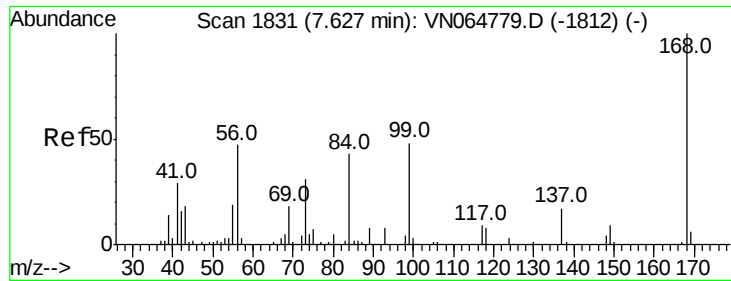
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064878.D

Acq: 1 Dec 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

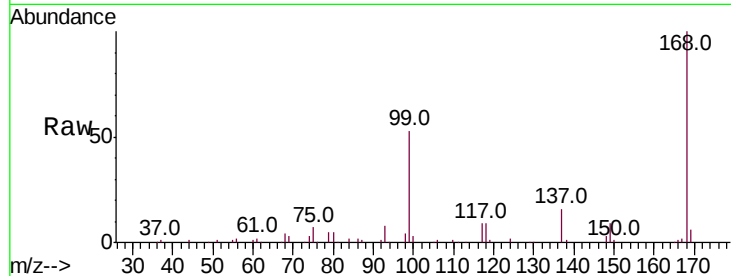
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 169098

Ion Ratio Lower Upper

168 100

99 52.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

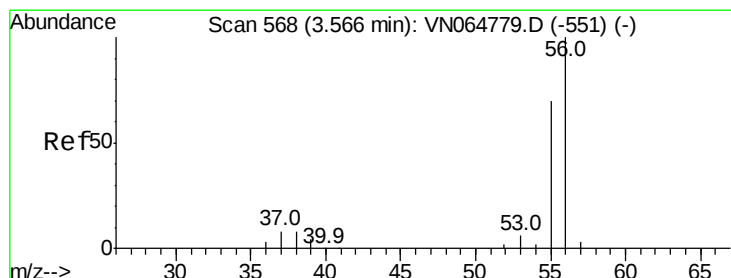
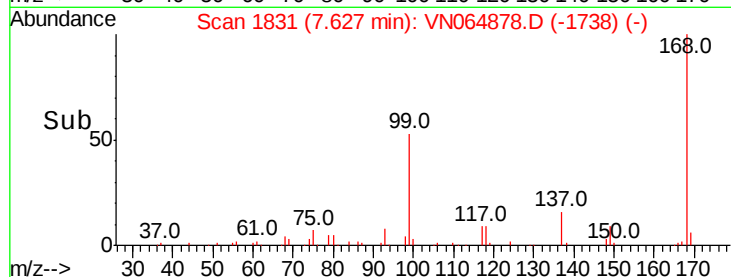
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#13

Acrolein

Concen: 0.854 ug/l

RT: 3.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN064878.D

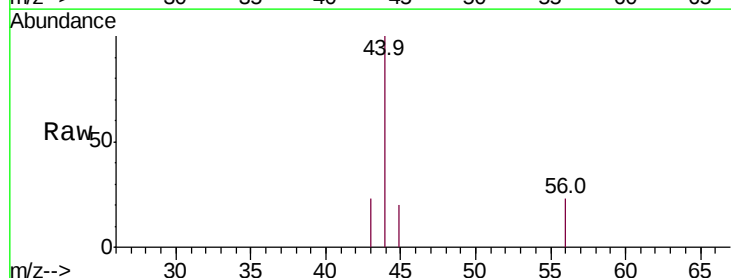
Acq: 1 Dec 2020 13:27

Tgt Ion: 56 Resp: 160

Ion Ratio Lower Upper

56 100

55 49.4 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.56

200

150

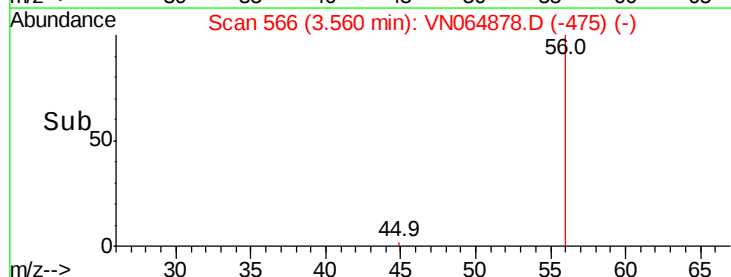
100

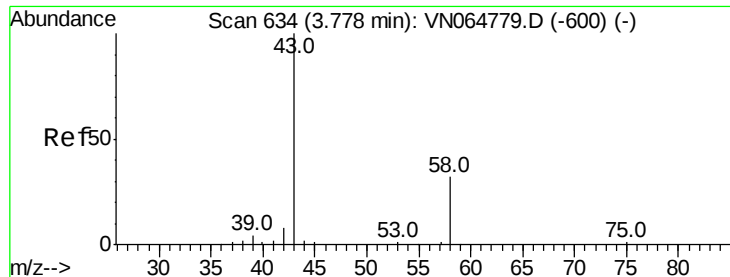
50

0

3.54 3.55 3.56 3.57 3.58

Time-->





#16

Acetone

Concen: 1.818 ug/l

RT: 3.79 min Scan# 639

Delta R.T. 0.02 min

Lab File: VN064878.D

Acq: 1 Dec 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

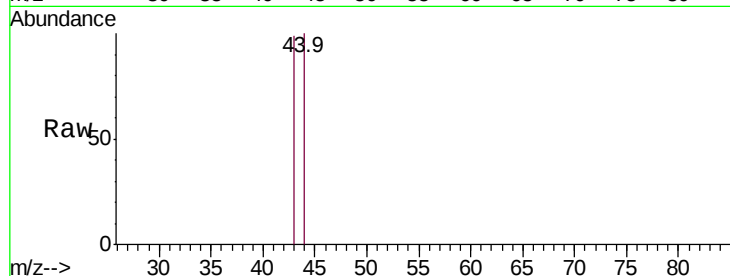
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 1175

Ion Ratio Lower Upper

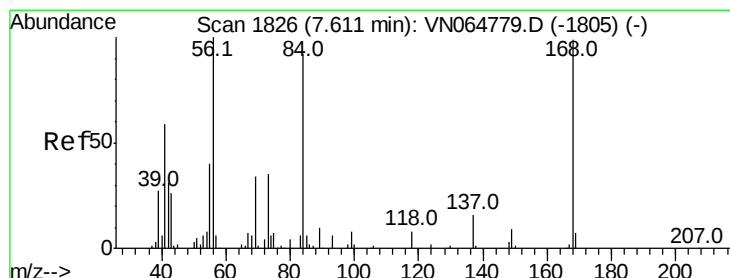
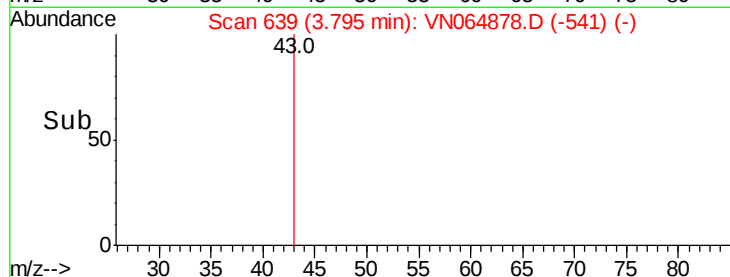
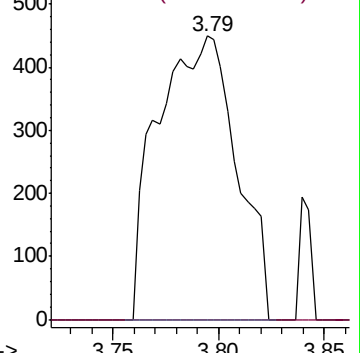
43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 1.089 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064878.D

Acq: 1 Dec 2020 13:27

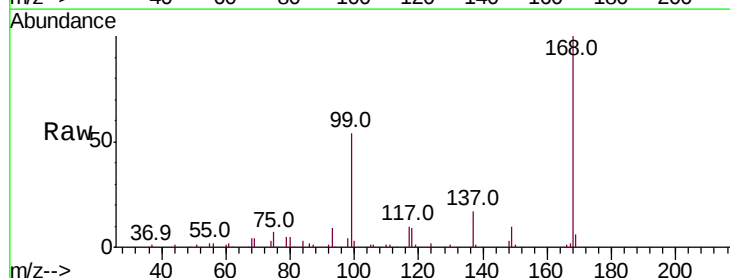
Tgt Ion: 56 Resp: 2984

Ion Ratio Lower Upper

56 100

69 175.8 27.5 41.3#

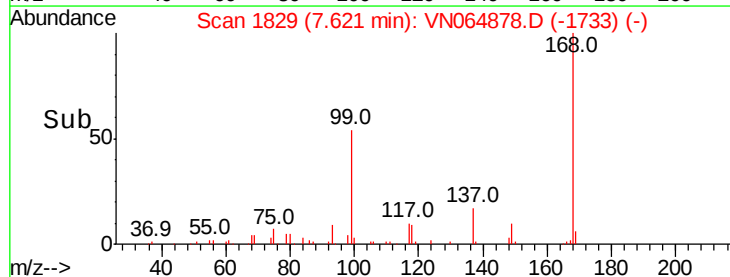
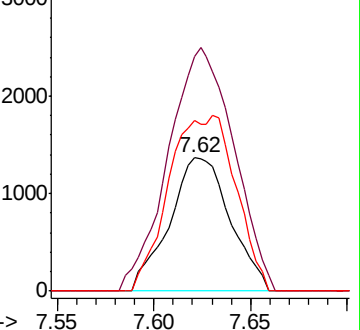
84 127.6 73.9 110.9#

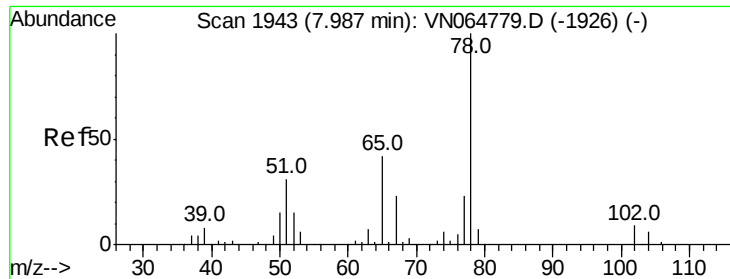


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

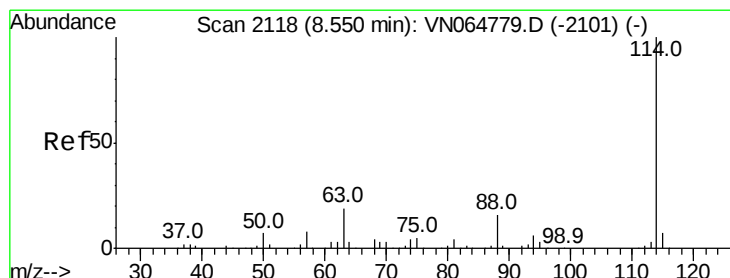
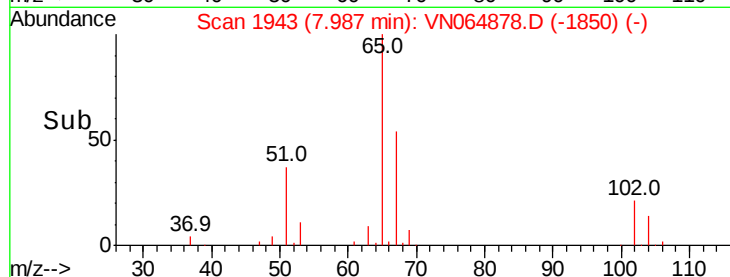
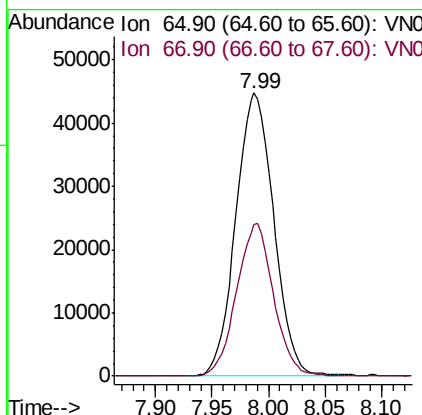
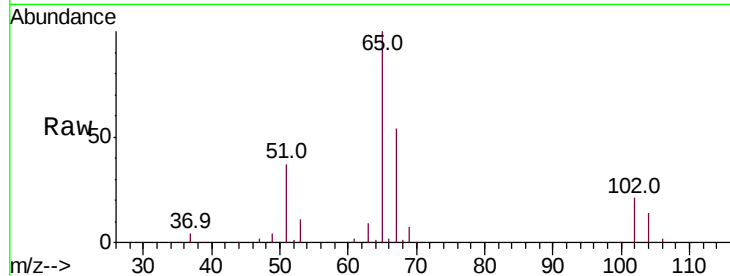




#33
 1,2-Dichloroethane-d4
 Concen: 53.210 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064878.D
 Acq: 1 Dec 2020 13:27

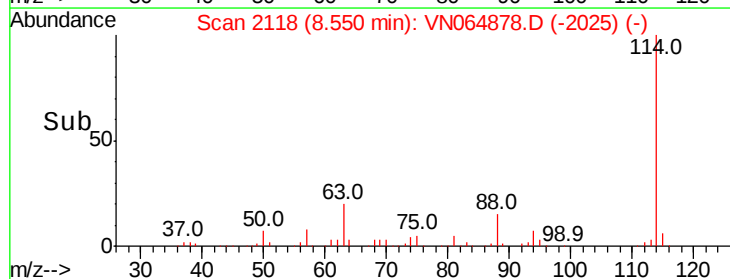
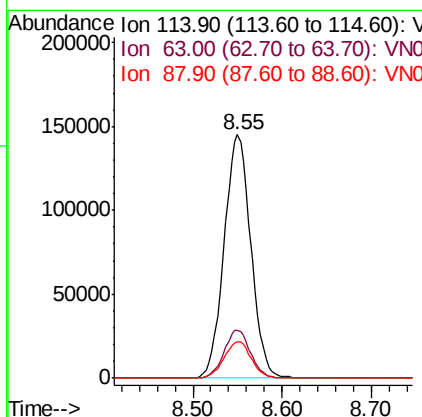
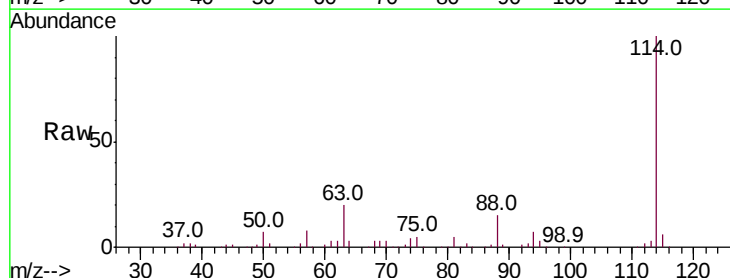
Instrument :
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 STORAGE-BLANK-SOIL-REF-6

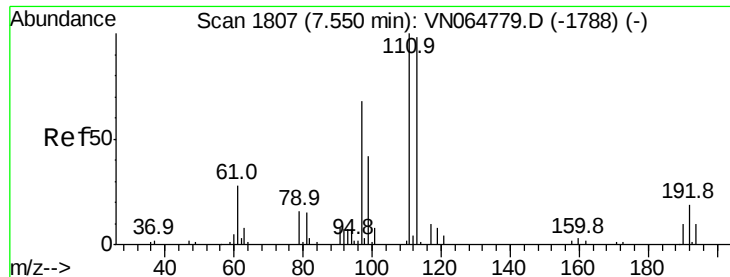
Tot Ion: 65 Resp: 104604
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064878.D
 Acq: 1 Dec 2020 13:27

Tgt Ion: 114 Resp: 300294
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.6
 88 15.1 0.0 32.6

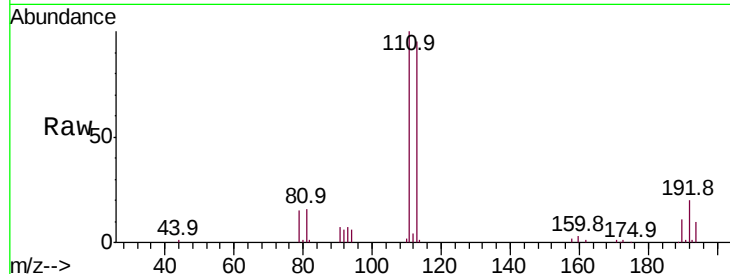




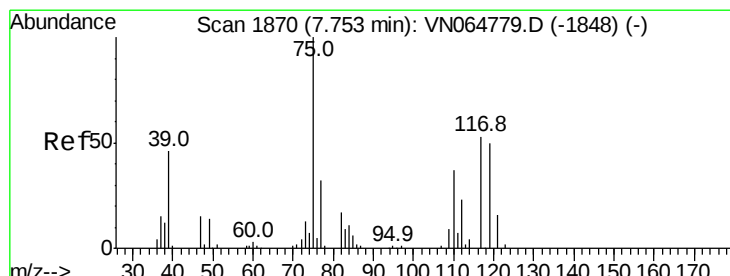
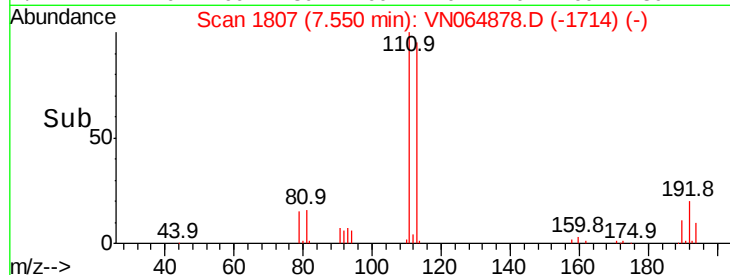
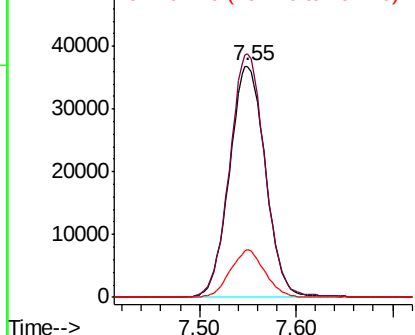
#35
 Dibromofluoromethane
 Concen: 52.874 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064878.D
 Acq: 1 Dec 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tot Ion:113 Resp: 95008
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.6 122.4
 192 19.7 16.2 24.2

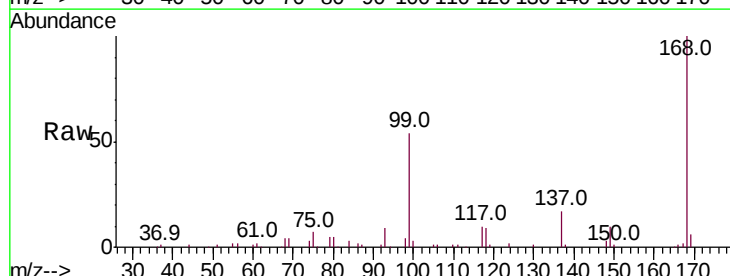


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

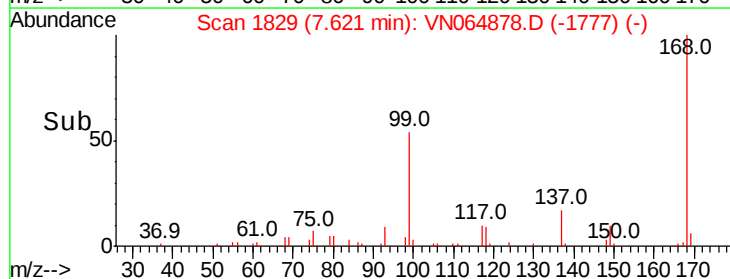
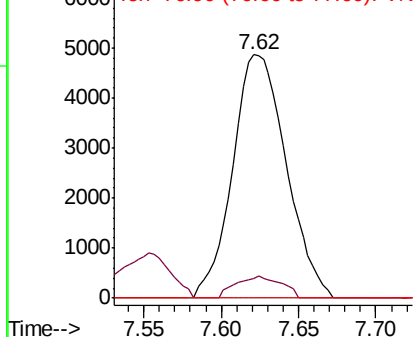


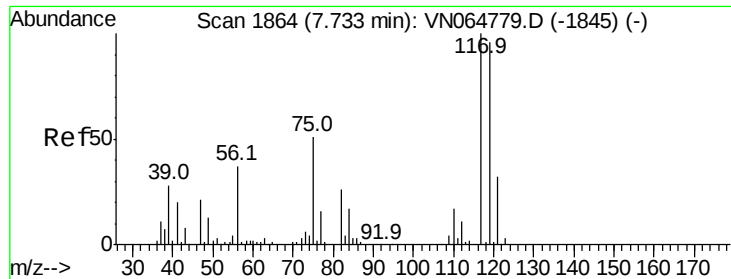
#36
 1,1-Dichloropropene
 Concen: 4.211 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064878.D
 Acq: 1 Dec 2020 13:27

Tgt Ion: 75 Resp: 11720
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.8 53.3#
 77 0.0 25.0 37.4#



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

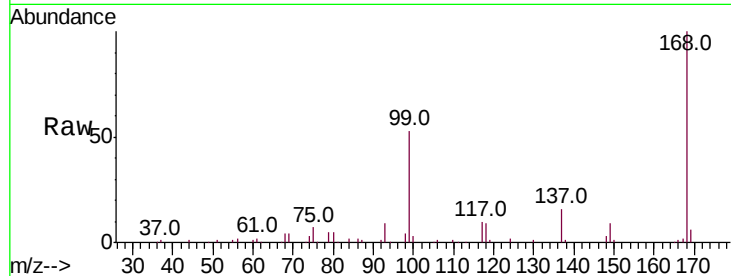




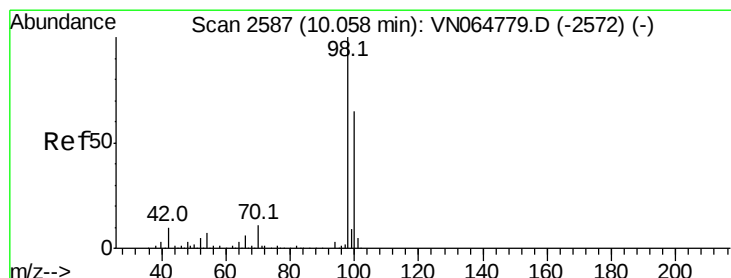
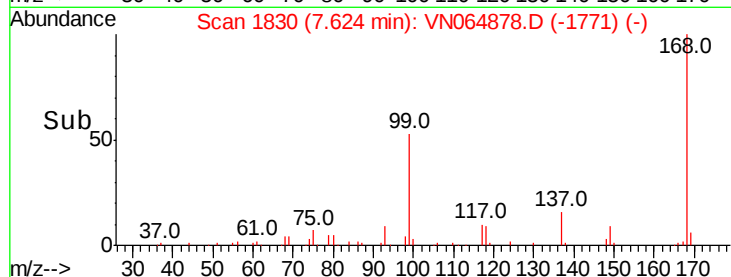
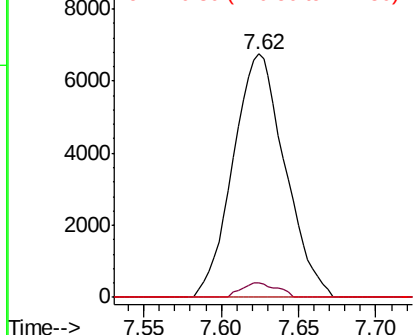
#38
Carbon Tetrachloride
Concen: 5.436 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN064878.D
Acq: 1 Dec 2020 13:27

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion:117 Resp: 15743
Ion Ratio Lower Upper
117 100
119 6.2 76.7 115.1#
121 0.0 25.4 38.2#

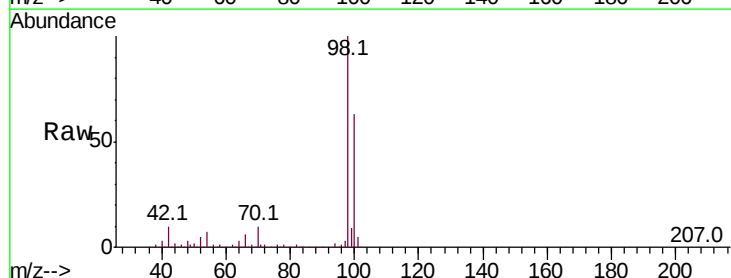


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

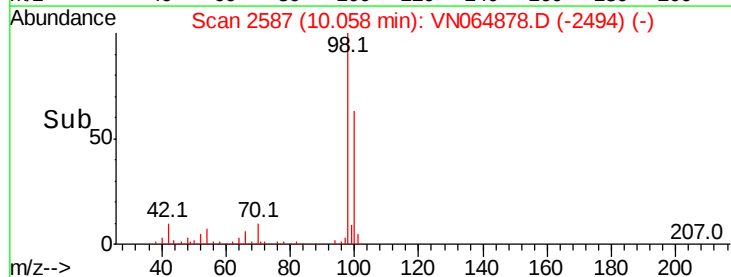
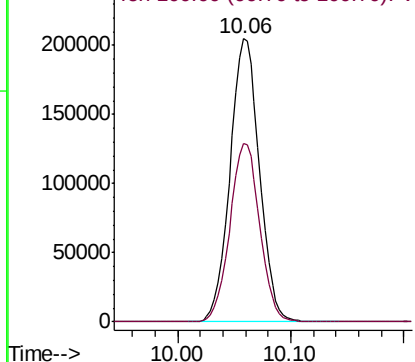


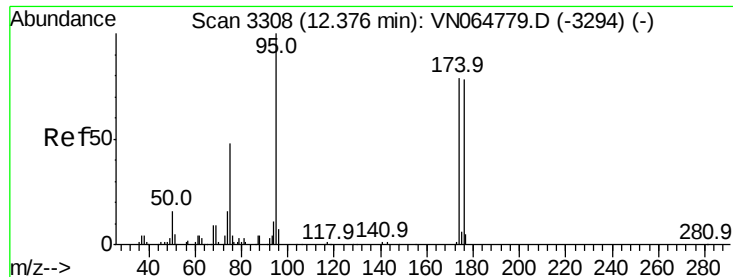
#50
Toluene-d8
Concen: 50.400 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064878.D
Acq: 1 Dec 2020 13:27

Tgt Ion: 98 Resp: 370031
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

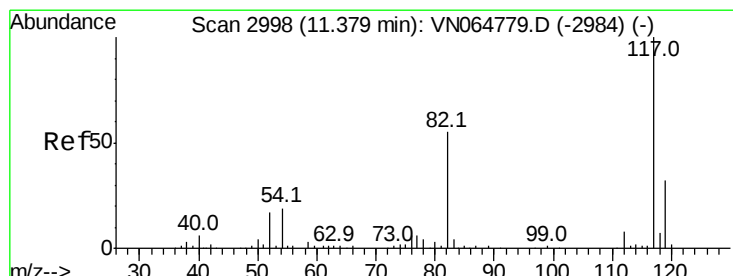
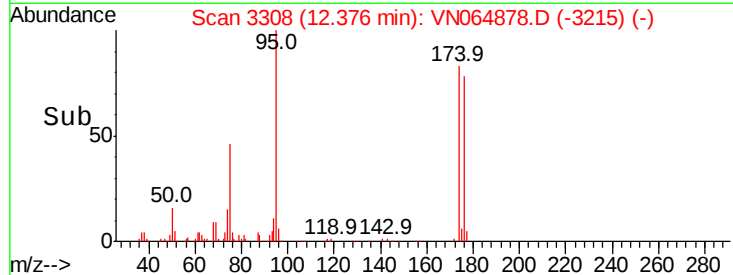
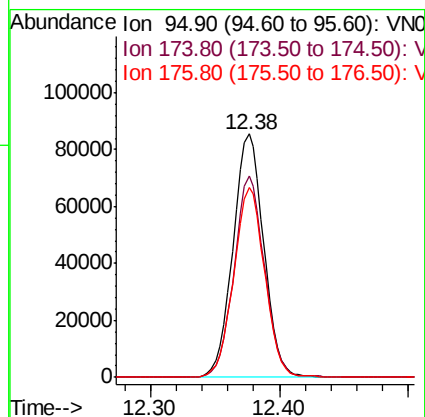
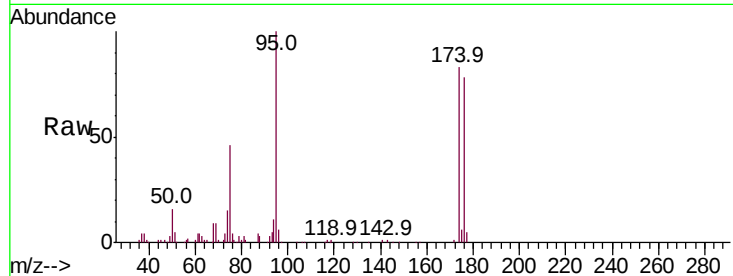




#62
4-Bromofluorobenzene
Concen: 53.816 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064878.D
Acq: 1 Dec 2020 13:27

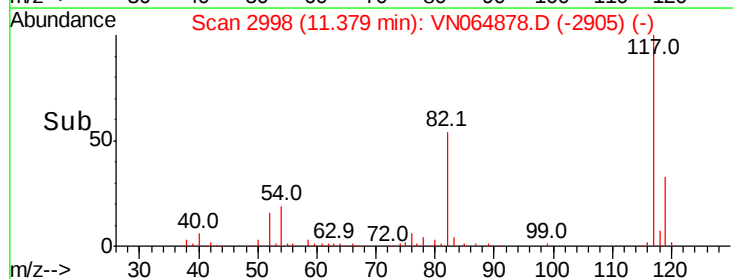
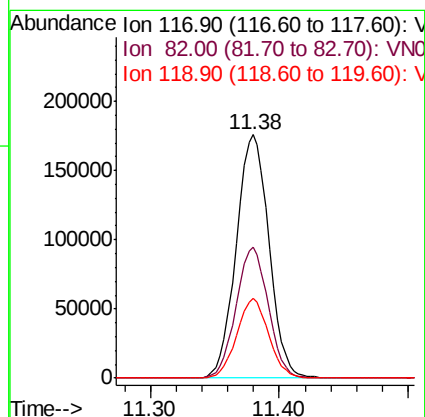
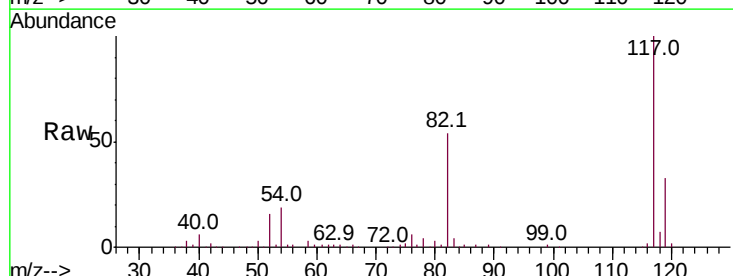
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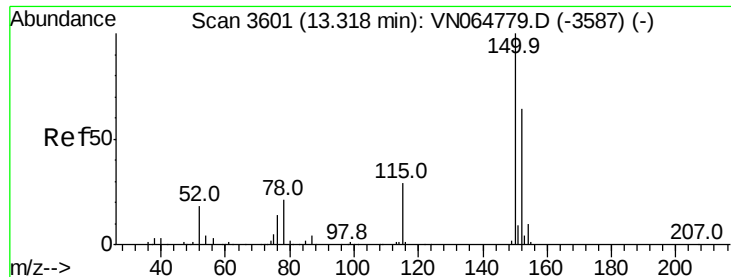
Tot Ion: 95 Resp: 141402
Ion Ratio Lower Upper
95 100
174 81.9 0.0 160.4
176 78.8 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064878.D
Acq: 1 Dec 2020 13:27

Tgt Ion: 117 Resp: 310400
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064878.D

Acq: 1 Dec 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

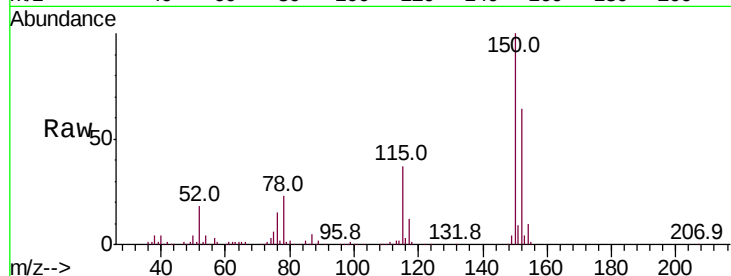
Tot Ion:152 Resp: 132841

Ion Ratio Lower Upper

152 100

115 58.5 29.7 89.1

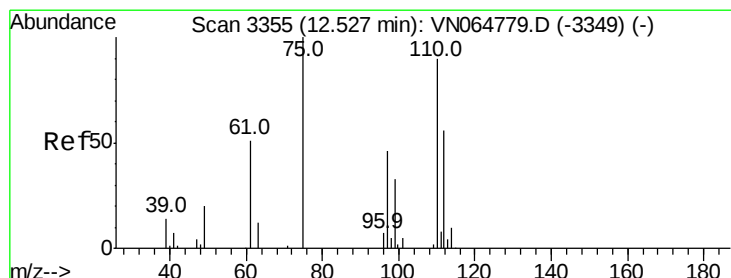
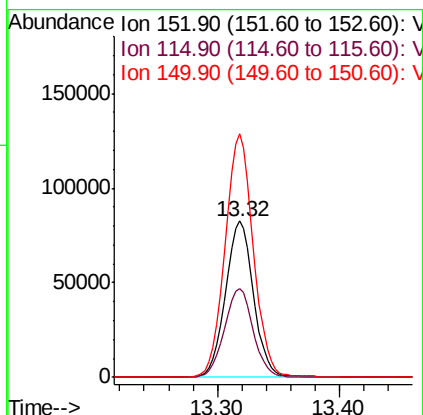
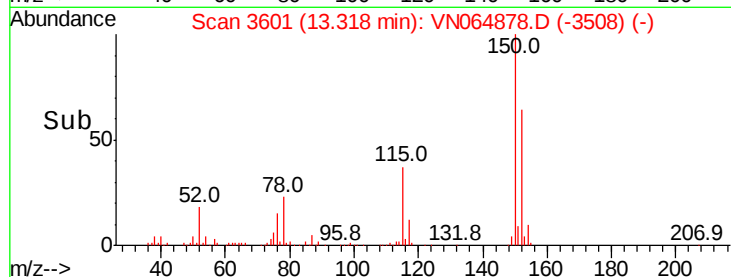
150 157.5 0.0 350.6



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: 23.302 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064878.D

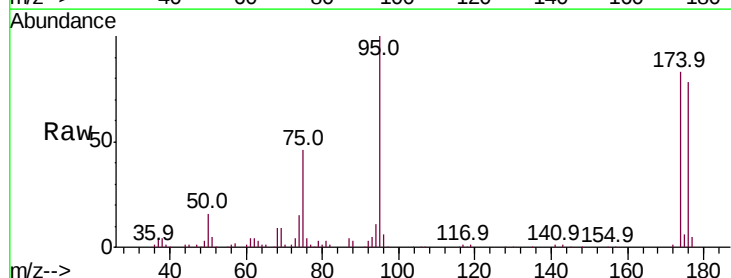
Acq: 1 Dec 2020 13:27

Tgt Ion: 75 Resp: 66664

Ion Ratio Lower Upper

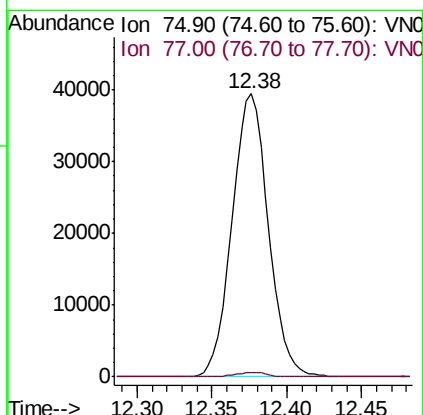
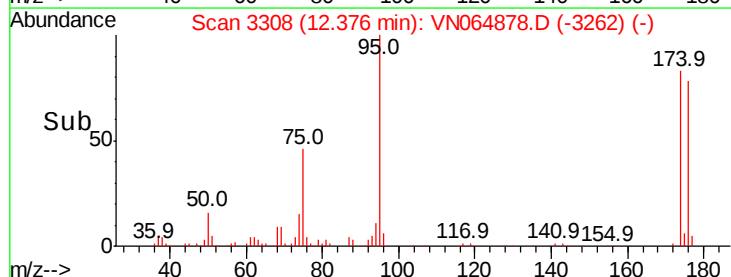
75 100

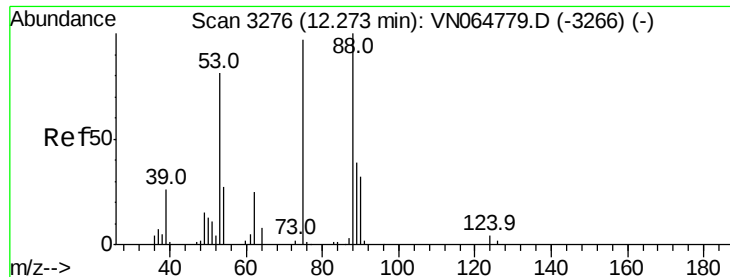
77 1.2 0.0 0.0#



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: 63.866 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064878.D

Acq: 1 Dec 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

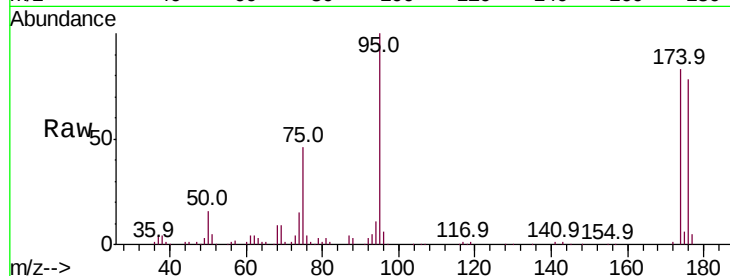
Tot Ion: 75 Resp: 66664

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

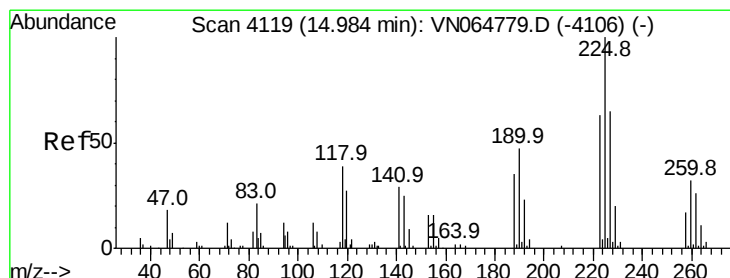
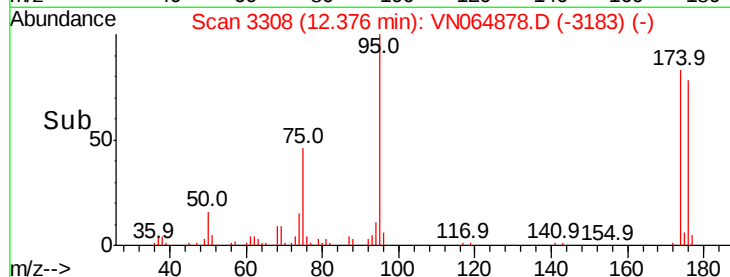
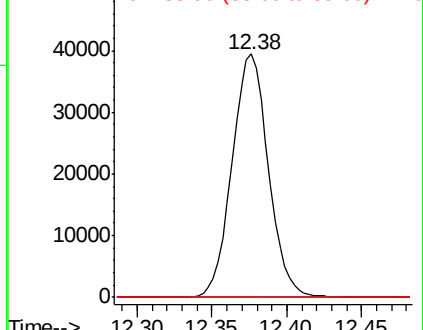
89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064878.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064878.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064878.D (-3183) (-)



#94

Hexachlorobutadiene

Concen: 0.426 ug/l

RT: 14.99 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VN064878.D

Acq: 1 Dec 2020 13:27

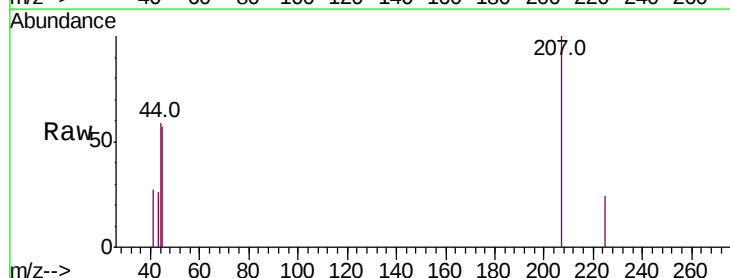
Tgt Ion: 225 Resp: 65

Ion Ratio Lower Upper

225 100

223 0.0 31.0 93.0#

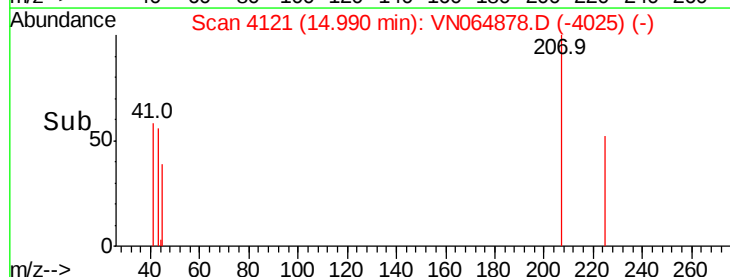
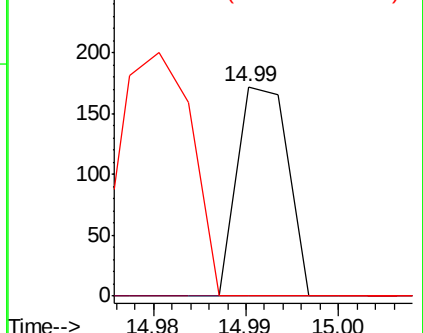
227 160.0 32.0 96.0#

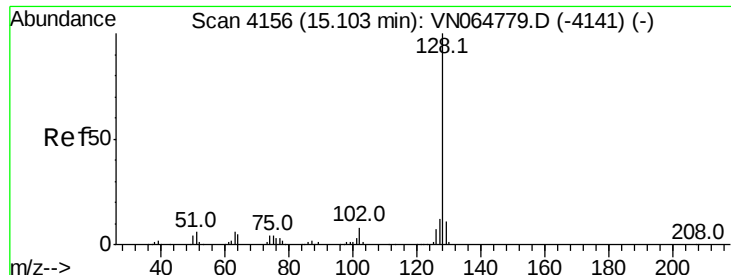


Abundance Ion 224.70 (224.40 to 225.40): VN064878.D (-4025) (-)

Ion 222.70 (222.40 to 223.40): VN064878.D (-4025) (-)

Ion 226.70 (226.40 to 227.40): VN064878.D (-4025) (-)

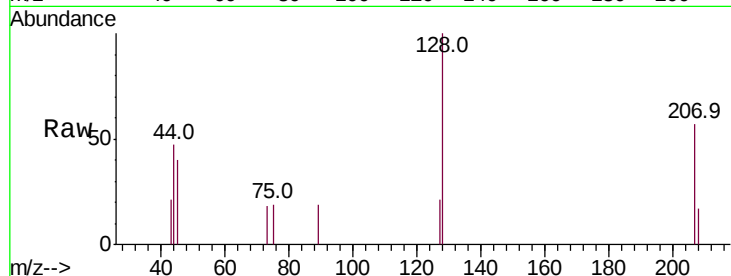




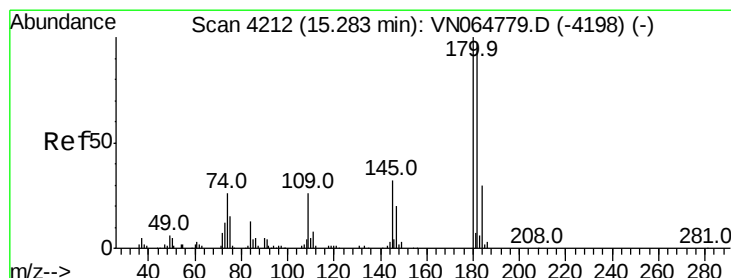
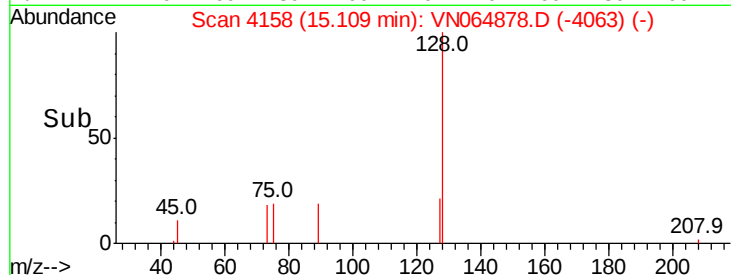
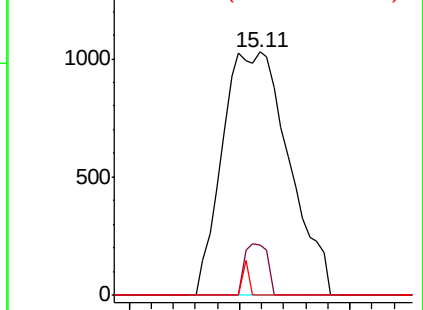
#95
Naphthalene
Concen: 0.267 ug/l
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN064878.D
Acq: 1 Dec 2020 13:27

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion:128 Resp: 2147
Ion Ratio Lower Upper
128 100
127 7.3 10.3 15.5#
129 1.4 8.7 13.1#

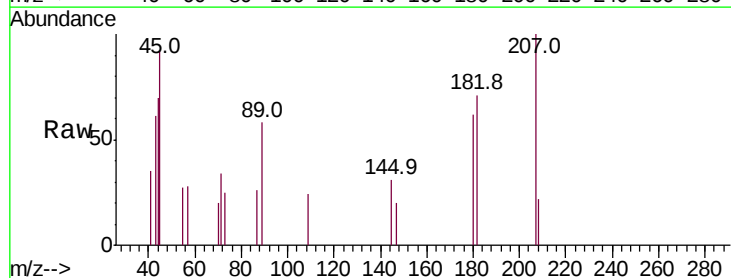


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.707 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN064878.D
Acq: 1 Dec 2020 13:27

Tgt Ion:180 Resp: 827
Ion Ratio Lower Upper
180 100
182 97.6 48.1 144.4
145 18.6 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

