

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074221.D
 Acq On : 31 Aug 2022 18:02
 Operator : JC\MD
 Sample : N4428-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Sep 01 00:28:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

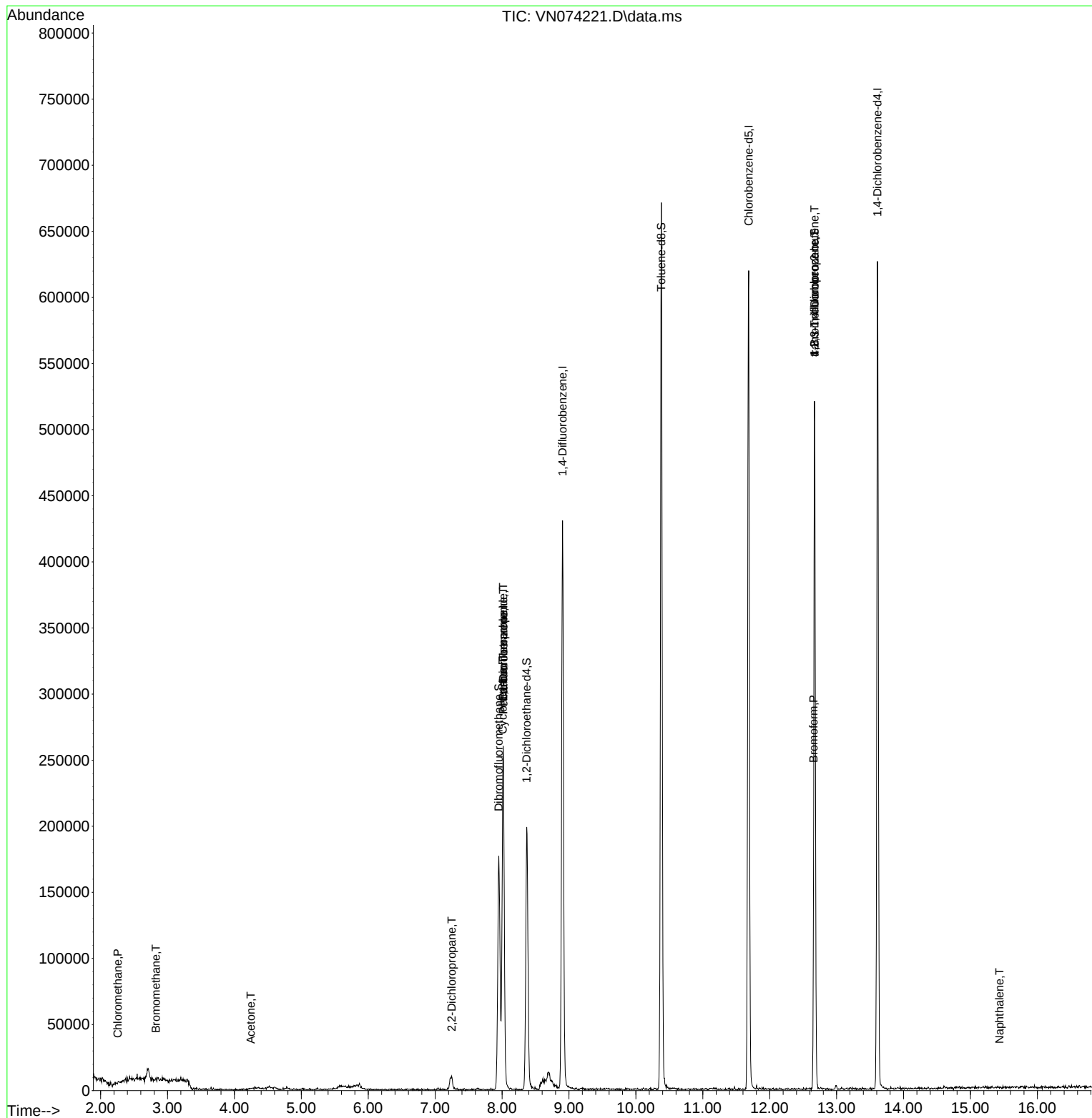
Internal Standards						
1) Pentafluorobenzene	8.022	168	180495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	341515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	335573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	149907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	157862	56.381	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.760%	
35) Dibromofluoromethane	7.951	113	121443	54.647	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.300%	
50) Toluene-d8	10.380	98	416465	47.587	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.180%	
62) 4-Bromofluorobenzene	12.669	95	158409	59.520	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.040%	
Target Compounds						Qvalue
3) Chloromethane	2.257	50	585	0.222	ug/l #	43
5) Bromomethane	2.828	94	525	0.367	ug/l #	33
6) Chloroethane	2.963	64	269	Below Cal	#	42
11) Tert butyl alcohol	5.281	59	77	Below Cal	#	72
16) Acetone	4.246	43	1449	0.774	ug/l #	42
18) Methyl Acetate	4.787	43	3112	Below Cal	#	74
20) Methylene Chloride	5.010	84	253	Below Cal	#	35
26) 2,2-Dichloropropane	7.245	77	390	0.395	ug/l #	53
31) Cyclohexane	8.010	56	5785	1.250	ug/l #	48
36) 1,1-Dichloropropene	8.016	75	19006	5.271	ug/l #	48
38) Carbon Tetrachloride	8.016	117	18689	5.708	ug/l #	16
71) Bromoform	12.657	173	2068	0.910	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	93807	25.197	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	93807	64.953	ug/l #	10
95) Naphthalene	15.433	128	322	1.179	ug/l #	69

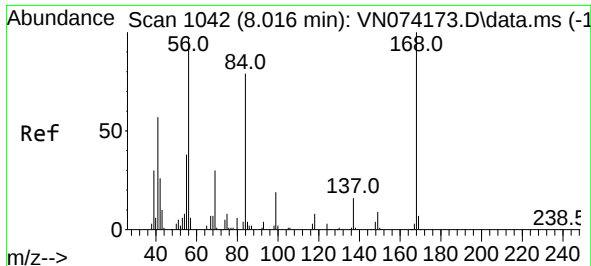
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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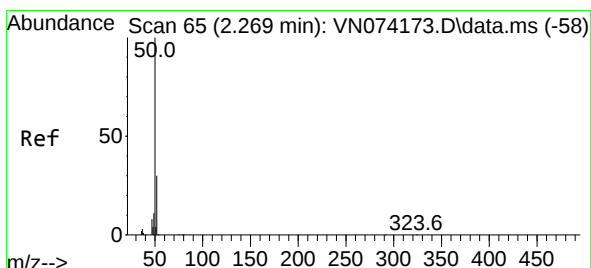
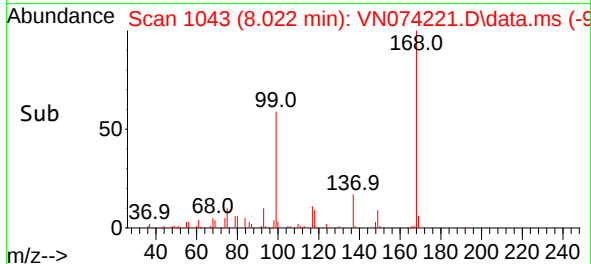
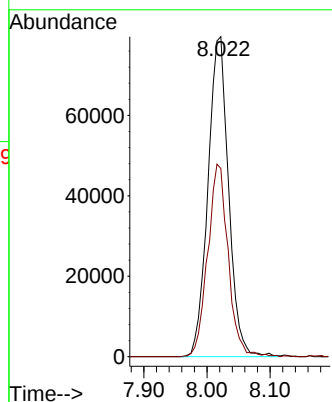
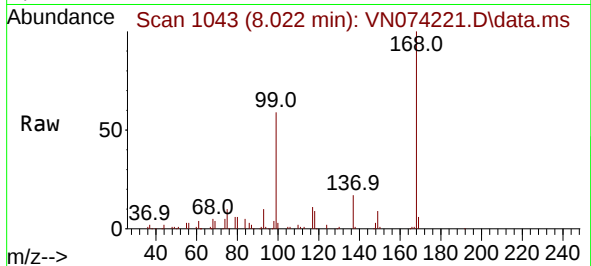




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

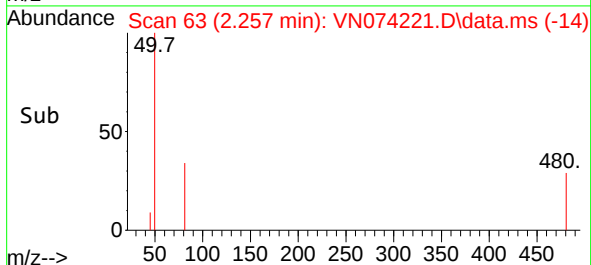
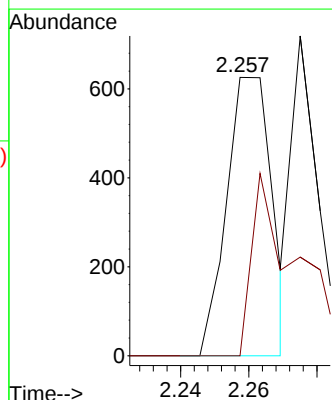
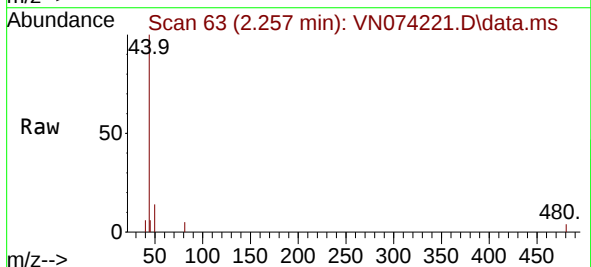
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

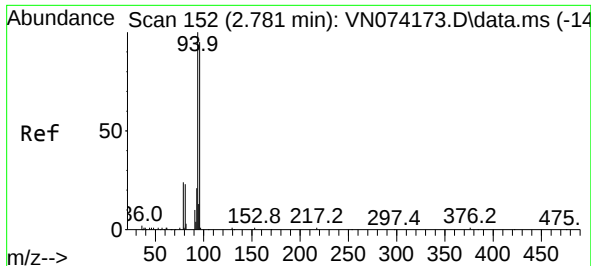
Tgt Ion:168 Resp: 180495
Ion Ratio Lower Upper
168 100
99 58.8 42.3 63.5



#3
Chloromethane
Concen: 0.222 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.012 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

Tgt Ion: 50 Resp: 585
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

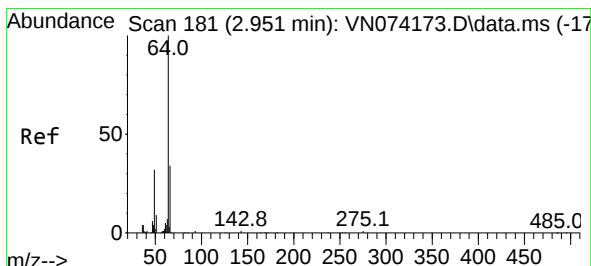
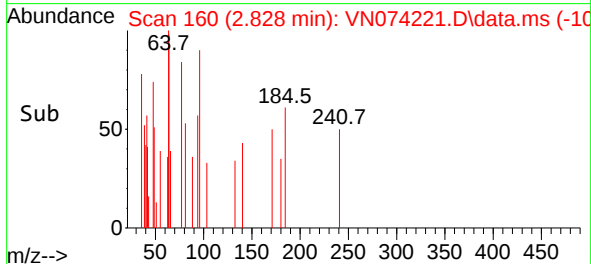
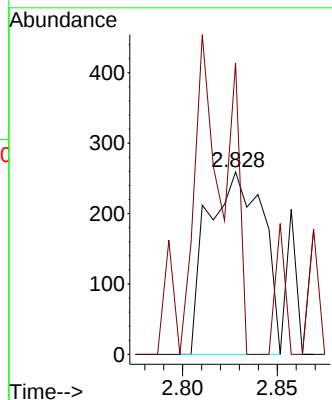
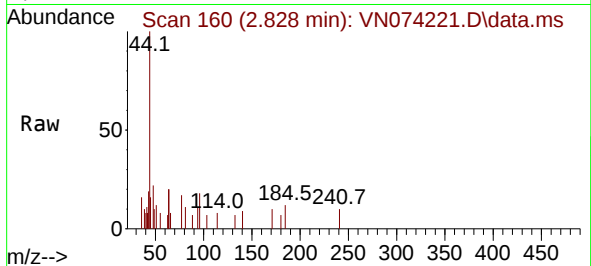




#5
Bromomethane
Concen: 0.367 ug/l
RT: 2.828 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

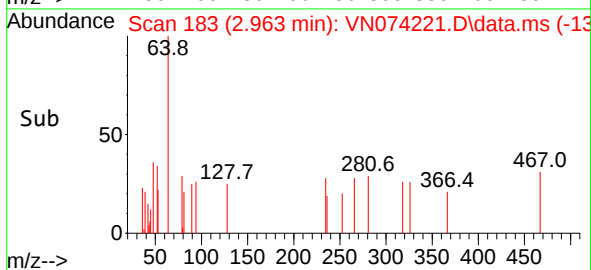
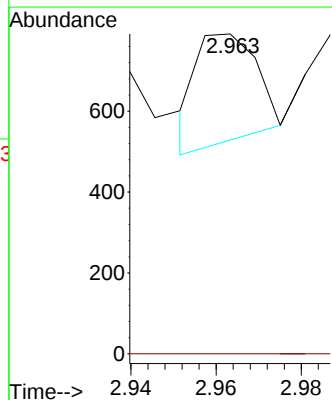
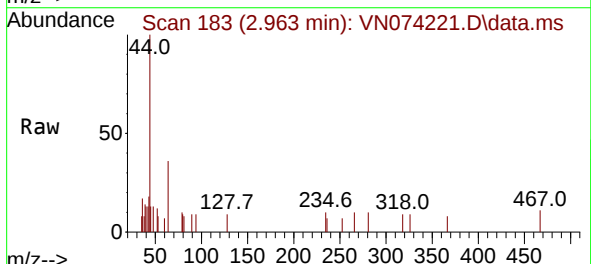
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

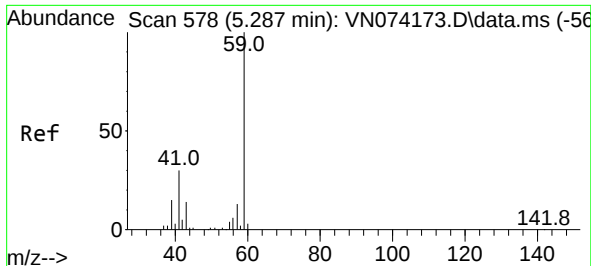
Tgt Ion: 94 Resp: 525
Ion Ratio Lower Upper
94 100
96 159.8 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 183
Delta R.T. 0.012 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

Tgt Ion: 64 Resp: 269
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.281 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN074221.D

Acq: 31 Aug 2022 18:02

Instrument :

MSVOA_N

ClientSampleId :

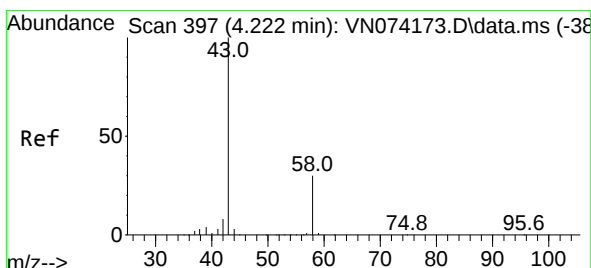
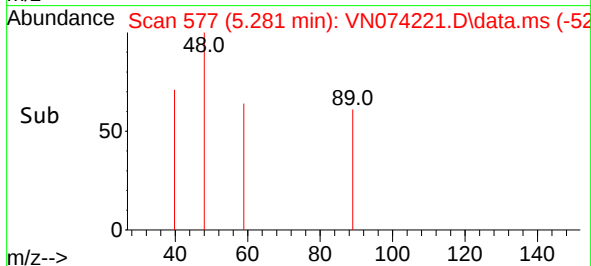
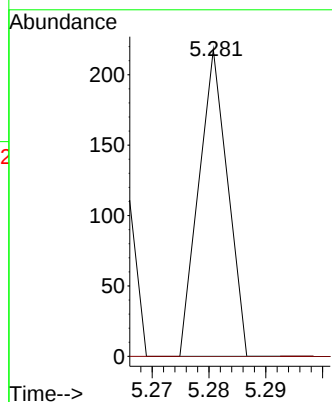
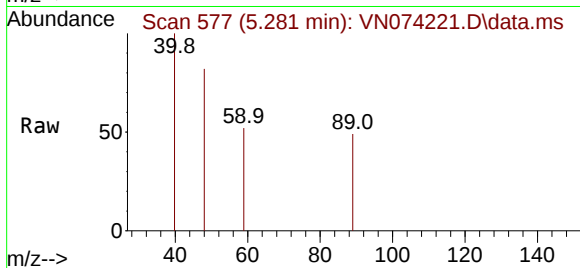
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 59 Resp: 77

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 0.774 ug/l

RT: 4.246 min Scan# 401

Delta R.T. 0.024 min

Lab File: VN074221.D

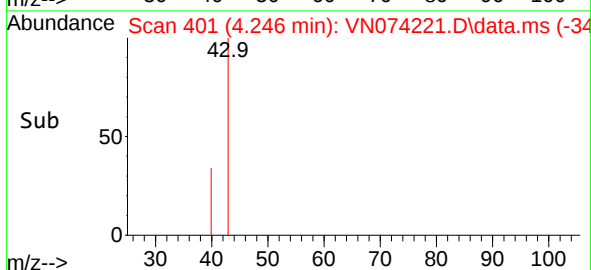
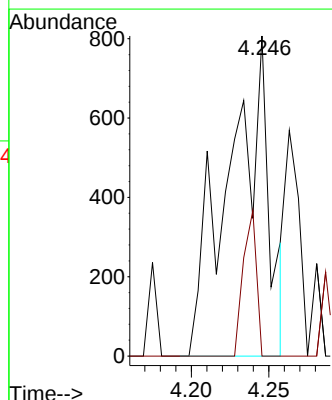
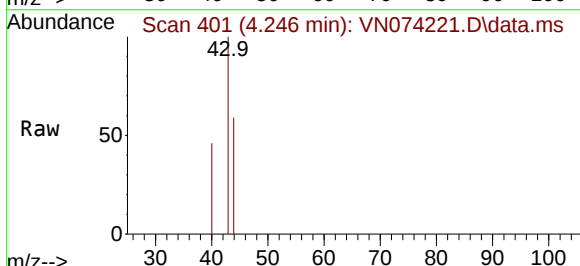
Acq: 31 Aug 2022 18:02

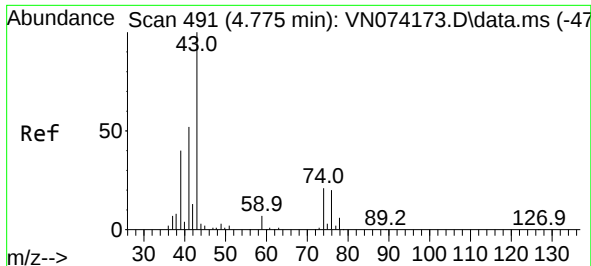
Tgt Ion: 43 Resp: 1449

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#

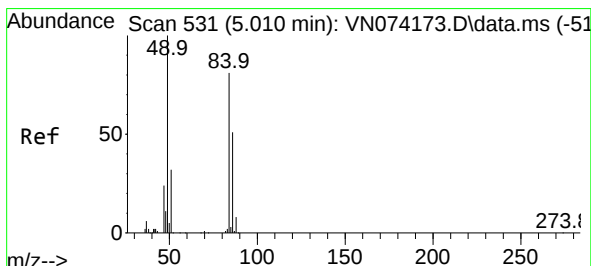
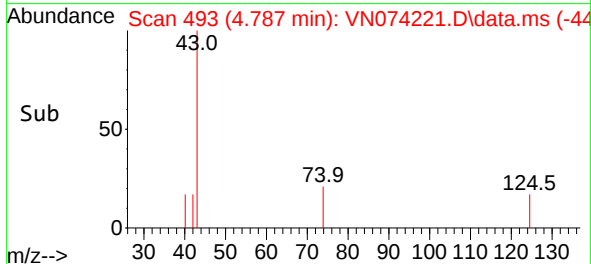
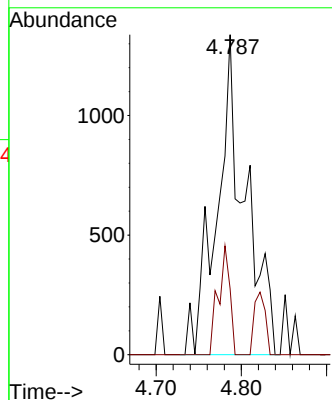
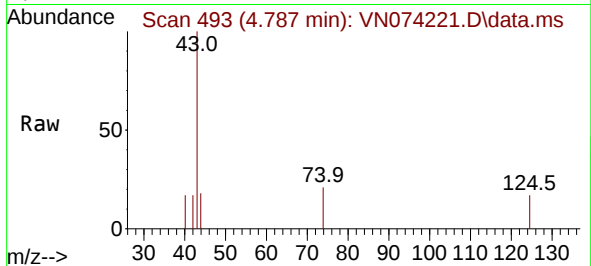




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

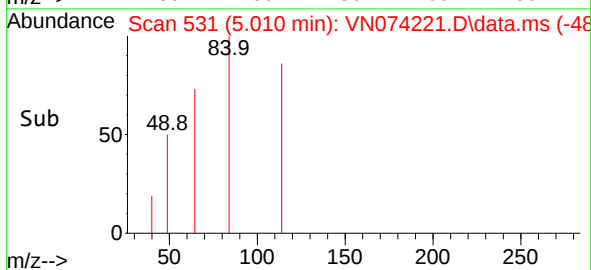
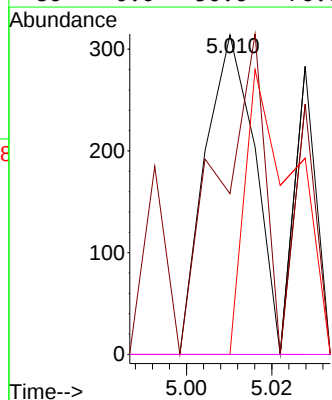
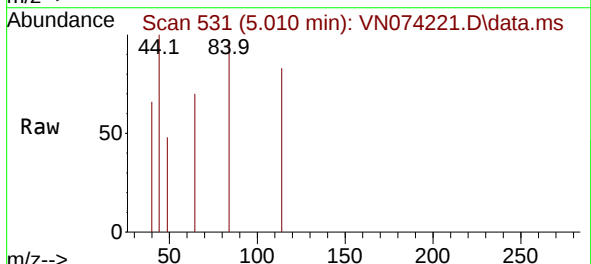
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

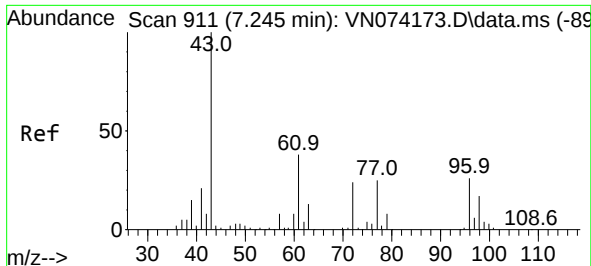
Tgt Ion: 43 Resp: 3112
Ion Ratio Lower Upper
43 100
74 13.7 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

Tgt Ion: 84 Resp: 253
Ion Ratio Lower Upper
84 100
49 50.3 88.3 132.5#
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#

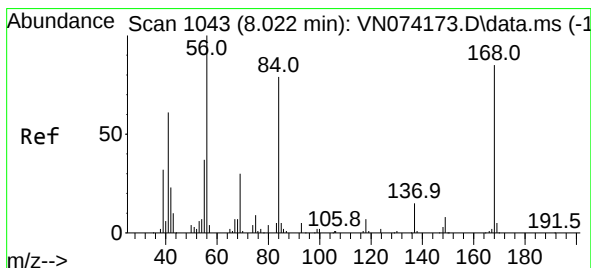
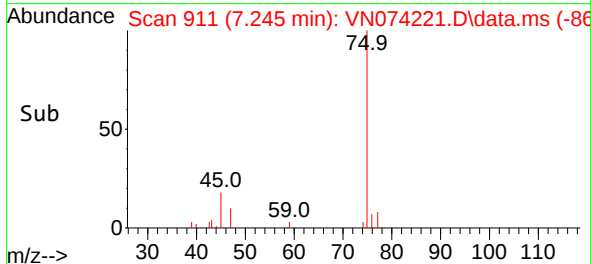
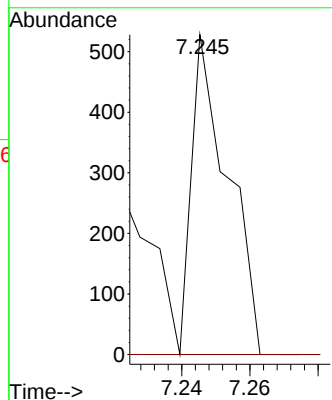
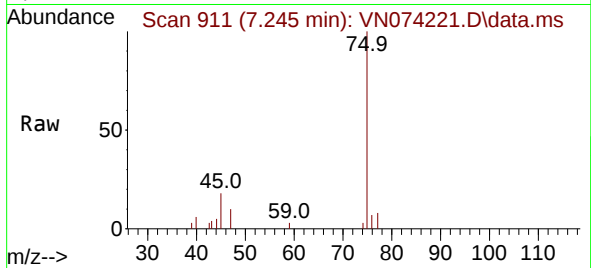




#26
2,2-Dichloropropane
Concen: 0.395 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

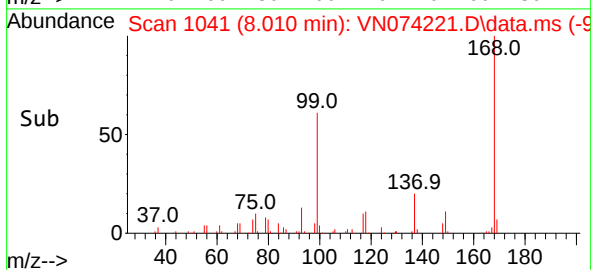
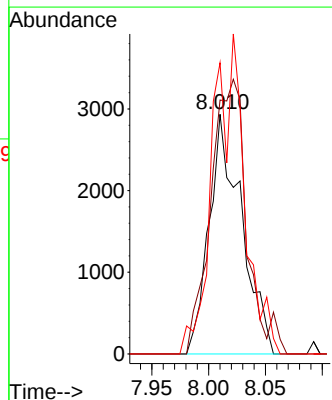
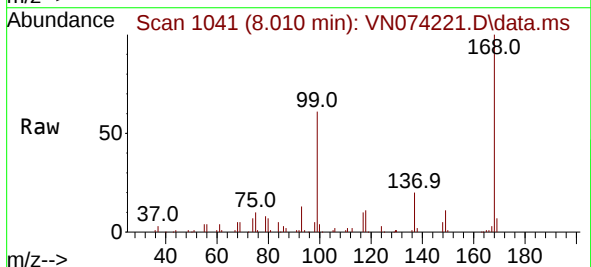
Instrument :
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STORAGE-BLANK-SOIL-REF-6

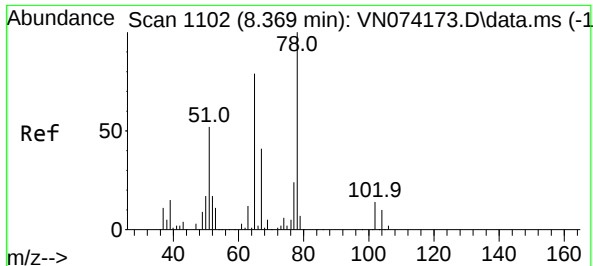
Tgt Ion: 77 Resp: 390
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.250 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

Tgt Ion: 56 Resp: 5785
Ion Ratio Lower Upper
56 100
69 105.9 27.8 41.8#
84 121.5 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 56.381 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074221.D

Acq: 31 Aug 2022 18:02

Instrument :

MSVOA_N

ClientSampleId :

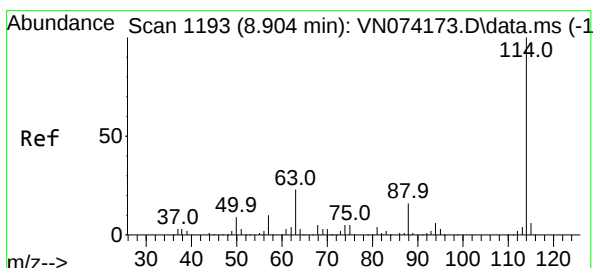
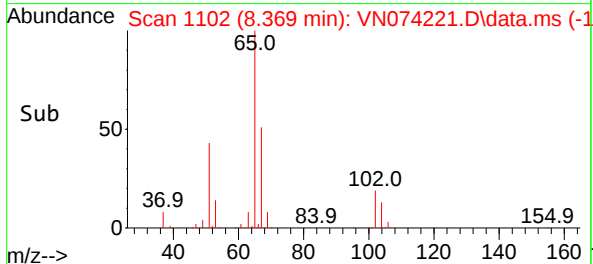
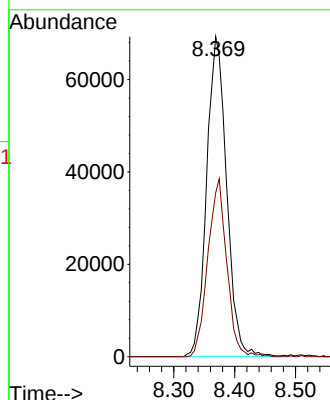
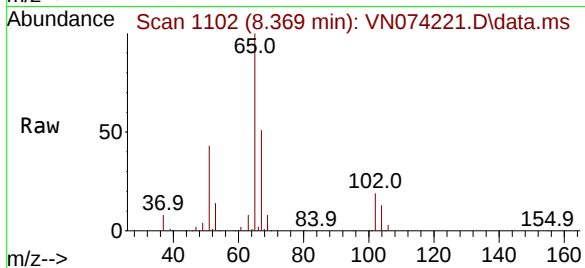
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 157862

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074221.D

Acq: 31 Aug 2022 18:02

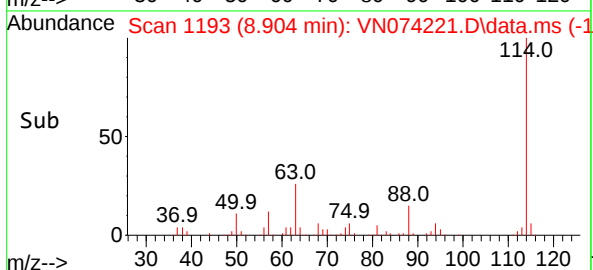
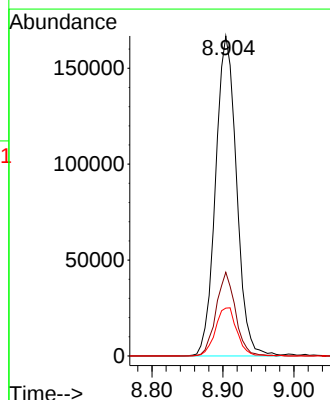
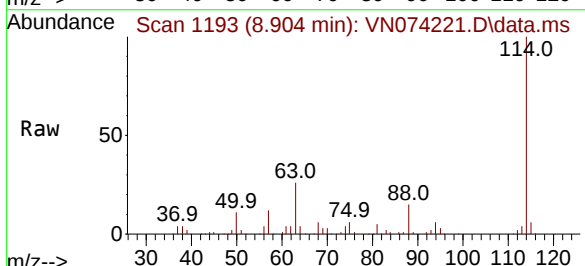
Tgt Ion: 114 Resp: 341515

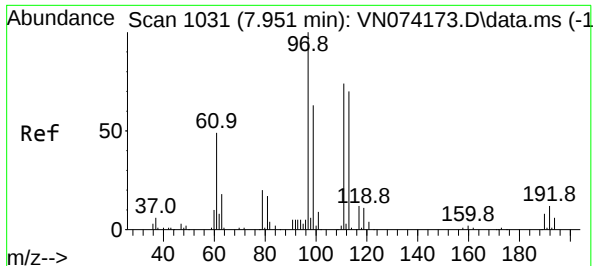
Ion Ratio Lower Upper

114 100

63 26.2 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.647 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN074221.D

Acq: 31 Aug 2022 18:02

Instrument :

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STORAGE-BLANK-SOIL-REF-6

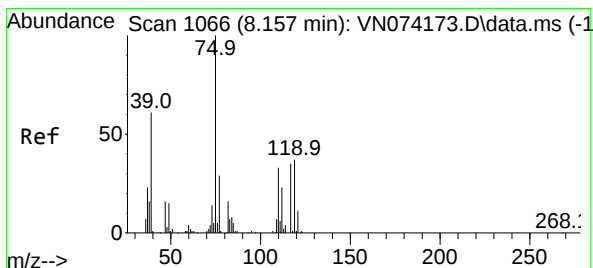
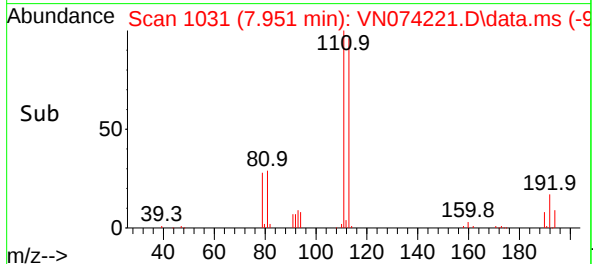
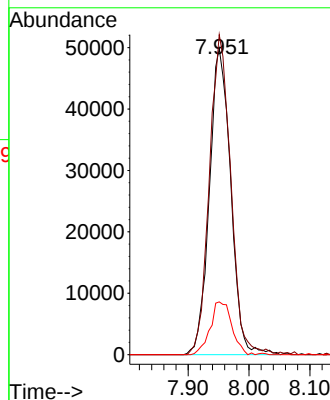
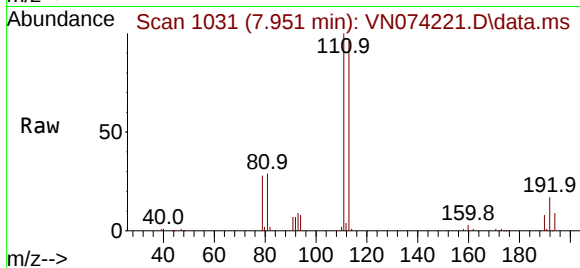
Tgt Ion:113 Resp: 121443

Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.0

192 17.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.271 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074221.D

Acq: 31 Aug 2022 18:02

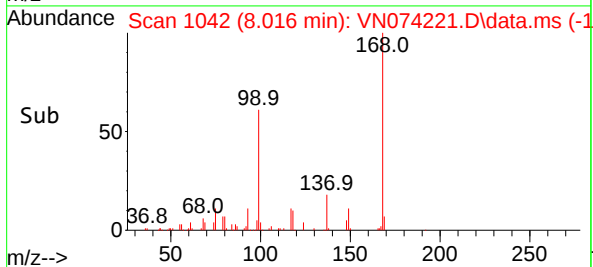
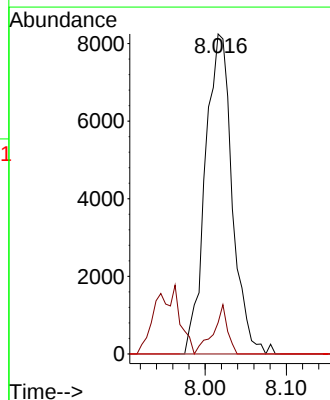
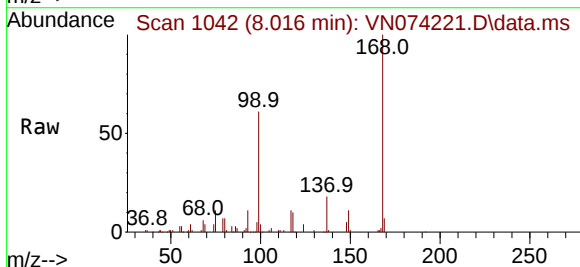
Tgt Ion: 75 Resp: 19006

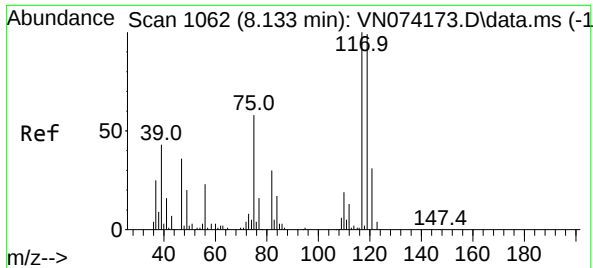
Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.8#

77 0.0 25.1 37.7#

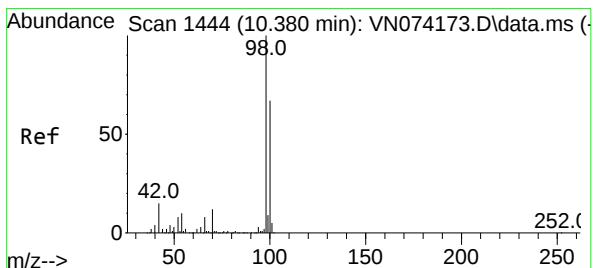
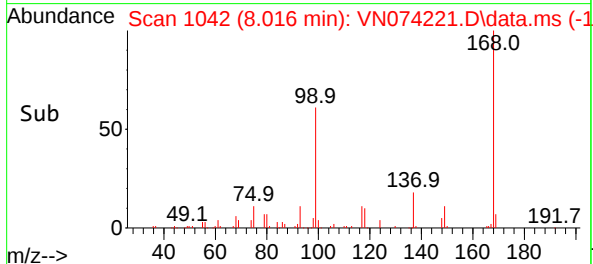
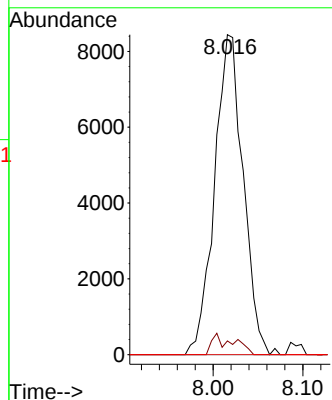
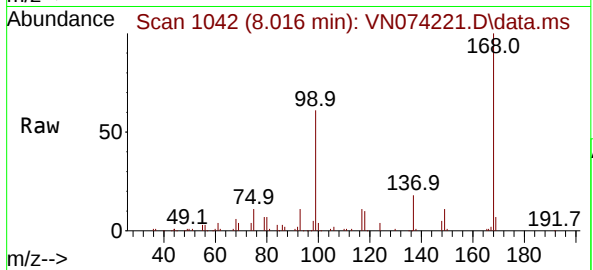




#38
Carbon Tetrachloride
Concen: 5.708 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

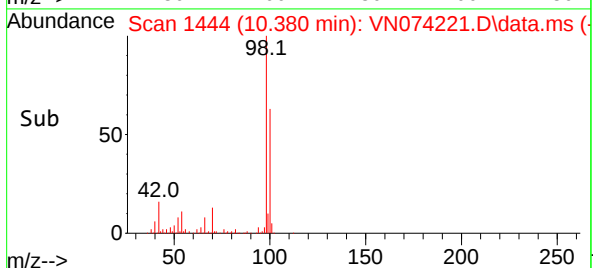
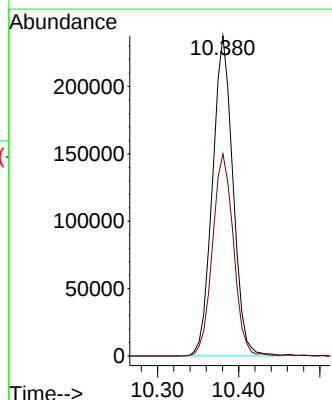
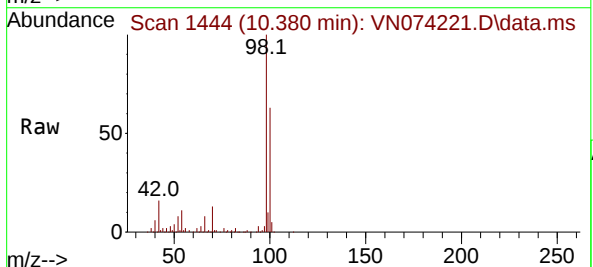
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

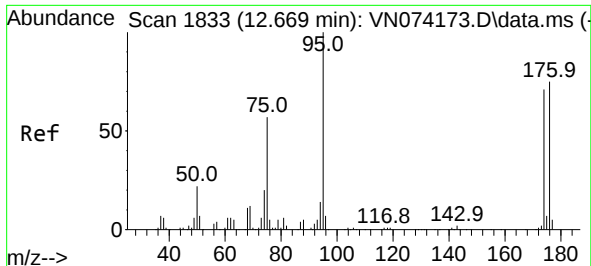
Tgt Ion:117 Resp: 18689
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.587 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

Tgt Ion: 98 Resp: 416465
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8

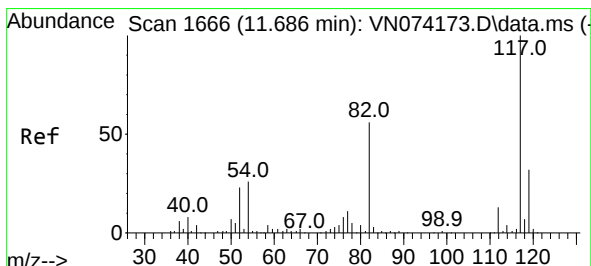
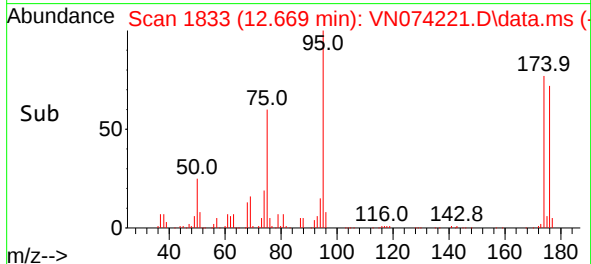
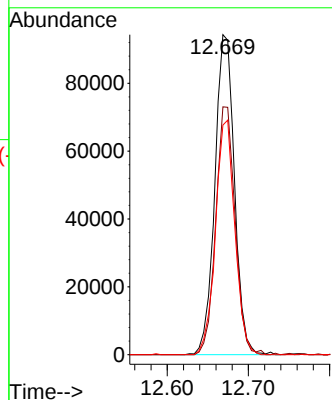
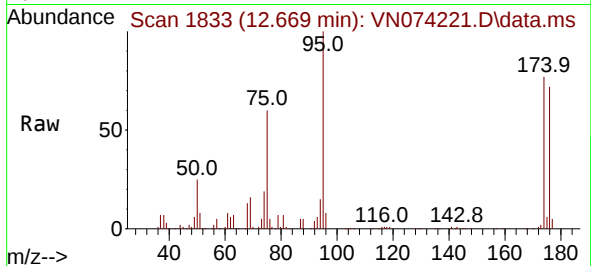




#62
4-Bromofluorobenzene
Concen: 59.520 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

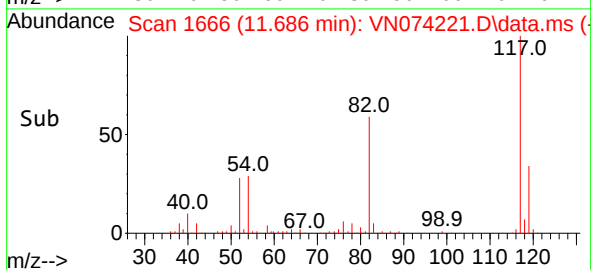
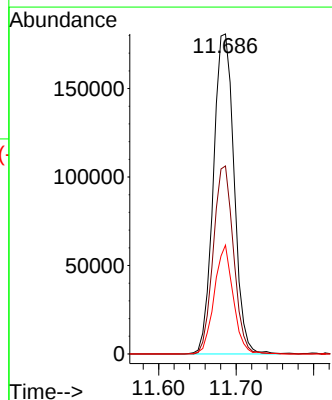
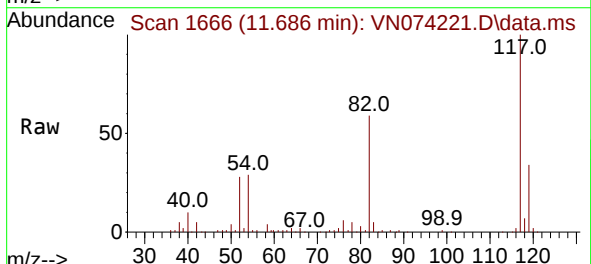
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

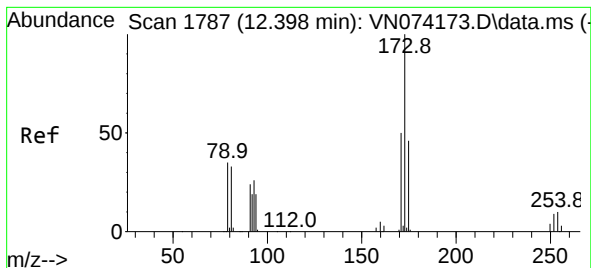
Tgt Ion: 95 Resp: 158409
Ion Ratio Lower Upper
95 100
174 76.4 0.0 167.6
176 72.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

Tgt Ion: 117 Resp: 335573
Ion Ratio Lower Upper
117 100
82 58.7 44.2 66.2
119 34.0 25.4 38.0





#71

Bromoform

Concen: 0.910 ug/l

RT: 12.657 min Scan# 1831

Delta R.T. 0.259 min

Lab File: VN074221.D

Acq: 31 Aug 2022 18:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

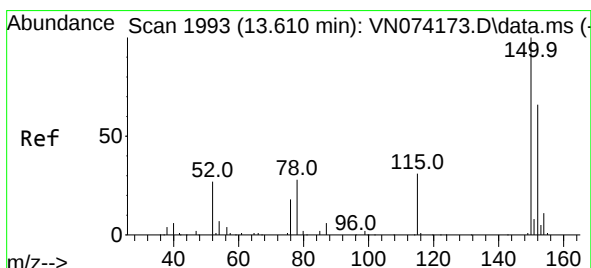
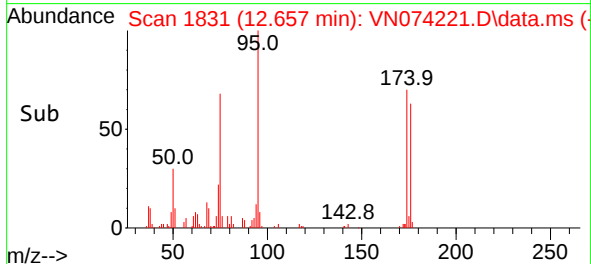
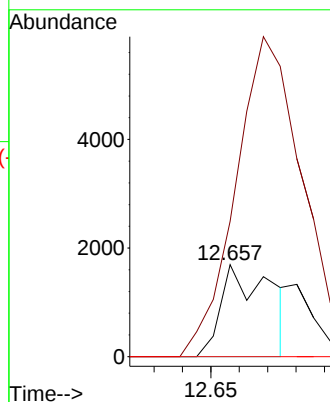
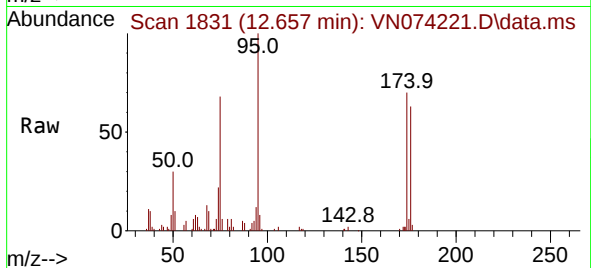
Tgt Ion:173 Resp: 2068

Ion Ratio Lower Upper

173 100

175 337.3 24.6 73.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN074221.D

Acq: 31 Aug 2022 18:02

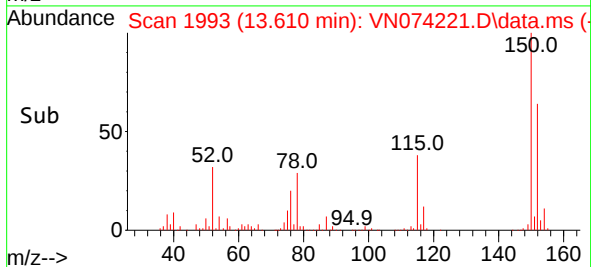
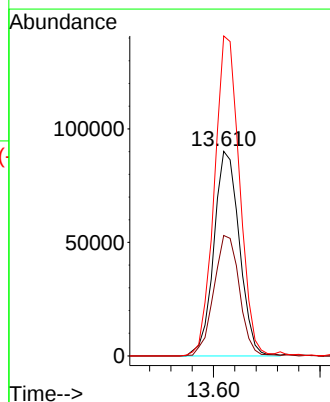
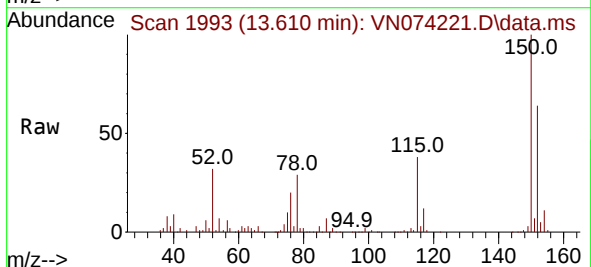
Tgt Ion:152 Resp: 149907

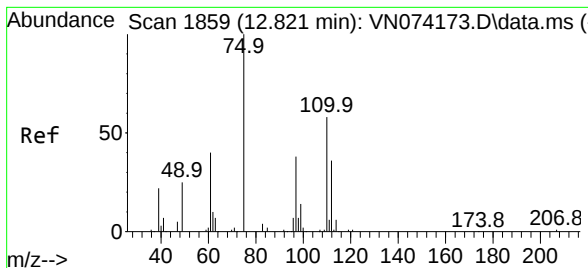
Ion Ratio Lower Upper

152 100

115 59.2 28.9 86.7

150 154.0 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 25.197 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.152 min

Lab File: VN074221.D

Acq: 31 Aug 2022 18:02

Instrument :

MSVOA_N

ClientSampleId :

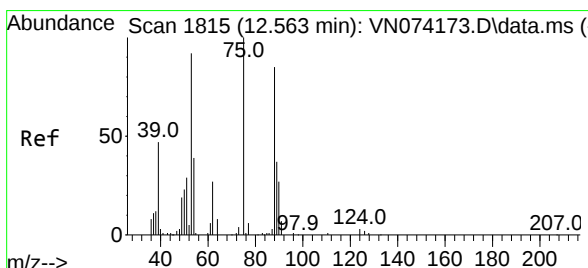
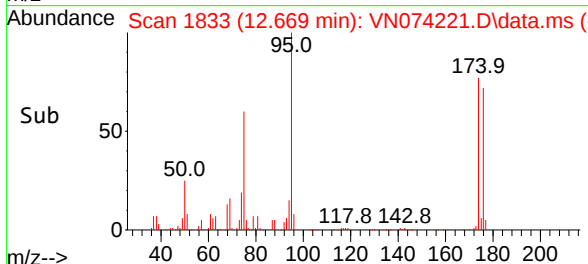
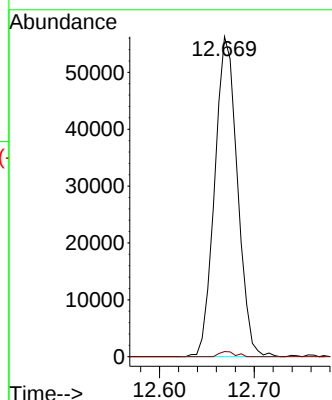
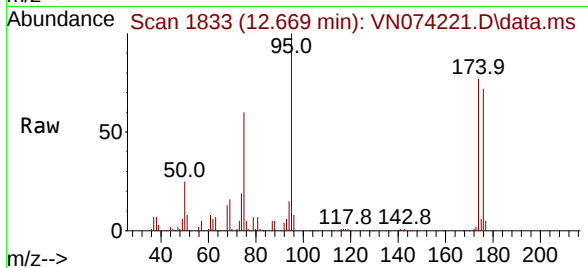
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 93807

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.953 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.106 min

Lab File: VN074221.D

Acq: 31 Aug 2022 18:02

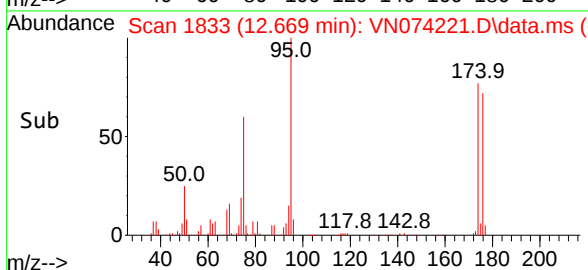
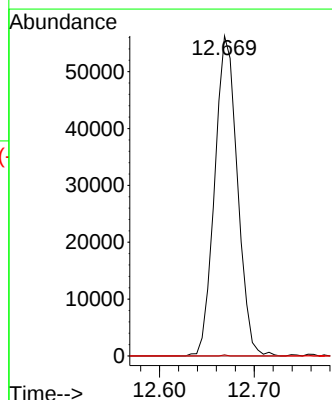
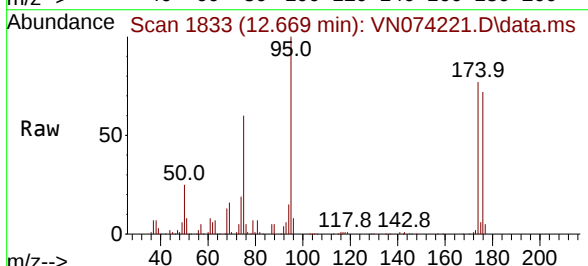
Tgt Ion: 75 Resp: 93807

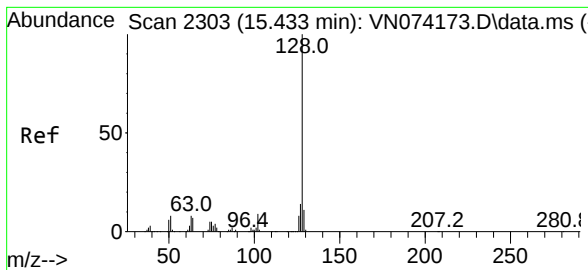
Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 1.179 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074221.D
Acq: 31 Aug 2022 18:02

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

Tgt Ion:128 Resp: 322
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

