

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076462.D
 Acq On : 30 Jan 2023 17:17
 Operator : JC\MD
 Sample : PB150523ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:42:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

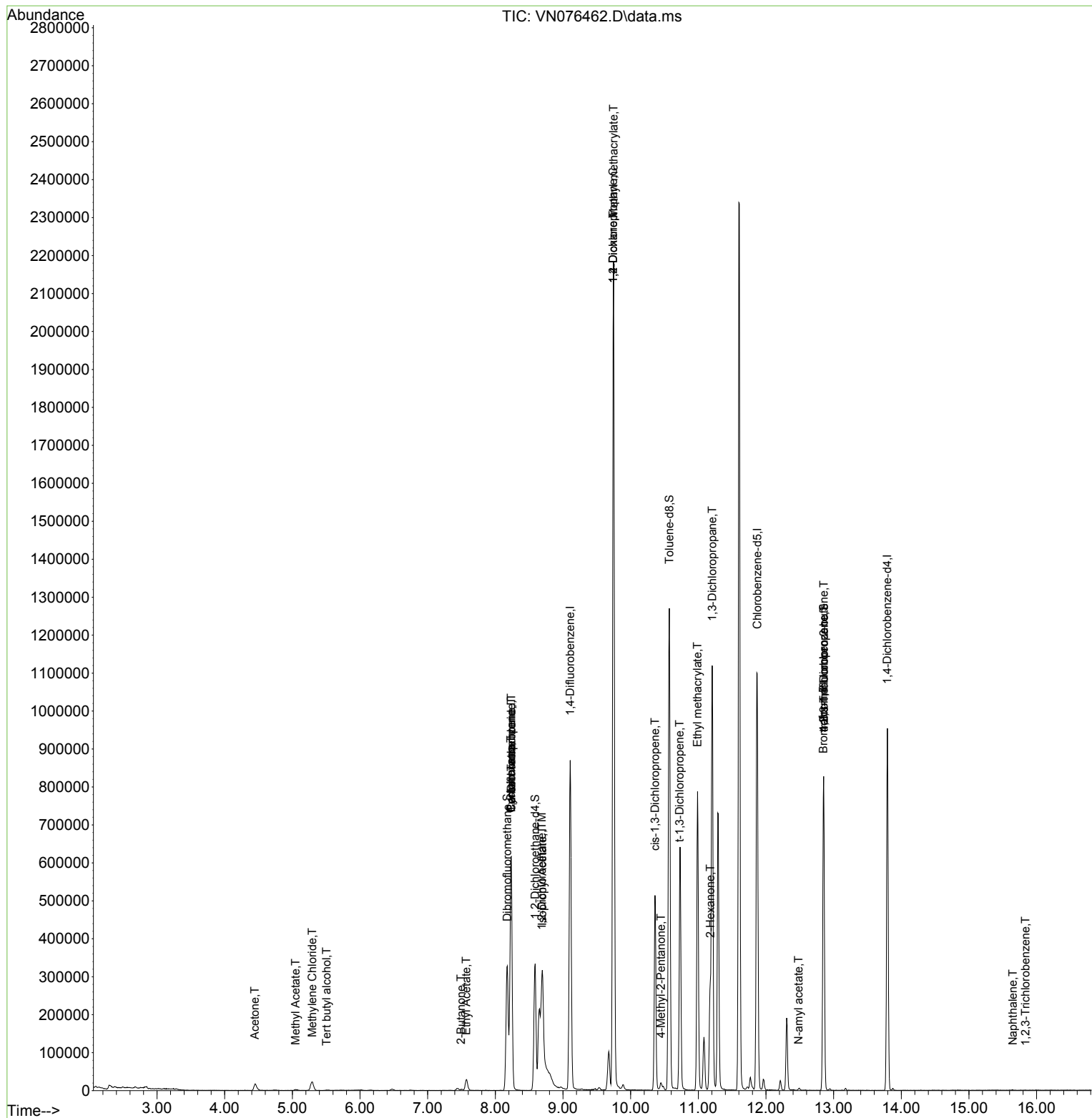
Internal Standards						
1) Pentafluorobenzene	8.236	168	453845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	770089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	664859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	251335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	280923	55.282	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.560%	
35) Dibromofluoromethane	8.177	113	235372	48.860	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.720%	
50) Toluene-d8	10.571	98	896322	50.382	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.760%	
62) 4-Bromofluorobenzene	12.853	95	270943	46.652	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	400	0.588	ug/l #	72
16) Acetone	4.448	43	34002	20.805	ug/l	99
18) Methyl Acetate	5.047	43	5027	0.911	ug/l	92
20) Methylene Chloride	5.295	84	19101	3.401	ug/l	89
25) 2-Butanone	7.494	43	5131	2.062	ug/l #	77
31) Cyclohexane	8.230	56	9930	1.272	ug/l #	23
36) 1,1-Dichloropropene	8.236	75	36224	5.292	ug/l #	50
37) Ethyl Acetate	7.571	43	41955	7.672	ug/l	97
38) Carbon Tetrachloride	8.236	117	47525	6.226	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	2941	0.420	ug/l #	73
43) Isopropyl Acetate	8.694	43	473365	52.997	ug/l #	71
45) 1,2-Dichloropropane	9.741	63	2737	0.559	ug/l #	42
48) Methyl methacrylate	9.747	41	197883	46.797	ug/l #	34
49) 1,4-Dioxane	9.741	88	423	4.741	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	18578	3.543	ug/l #	74
53) t-1,3-Dichloropropene	10.724	75	1850	0.270	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	96111	12.212	ug/l #	64
56) Ethyl methacrylate	10.988	69	2954	0.437	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	12990	1.528	ug/l #	42
59) 2-Hexanone	11.177	43	197329	51.934	ug/l #	21
71) Bromoform	12.847	173	1824	0.483	ug/l #	1
74) N-amyl acetate	12.482	43	2625	0.469	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	149692	32.359	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	149692	99.096	ug/l #	11
95) Naphthalene	15.647	128	753	1.894	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.835	180	66	1.169	ug/l #	12

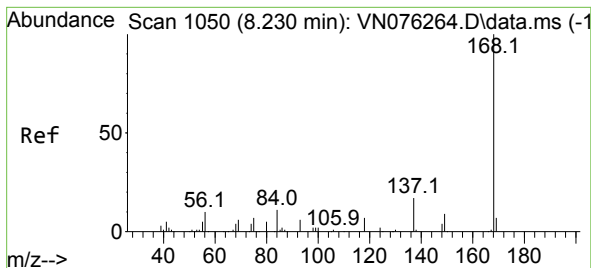
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. 0.006 min

Lab File: VN076462.D

Acq: 30 Jan 2023 17:17

Instrument :

MSVOA_N

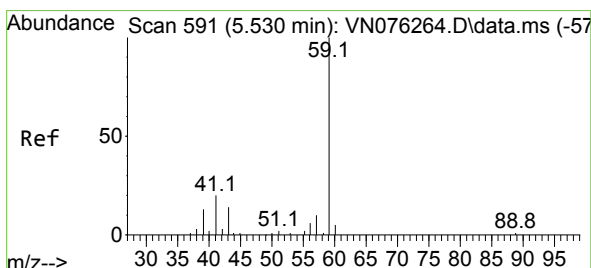
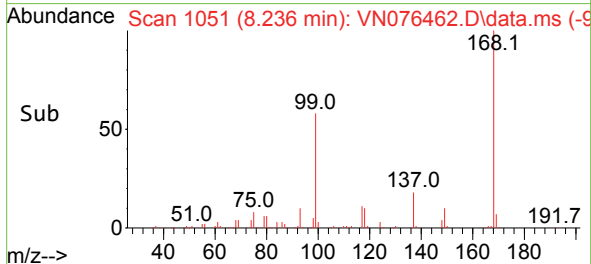
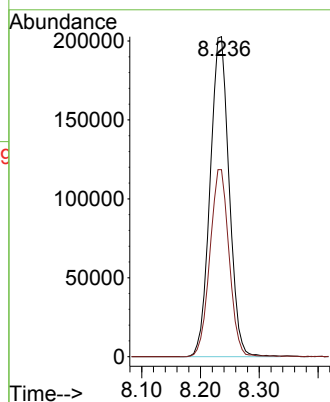
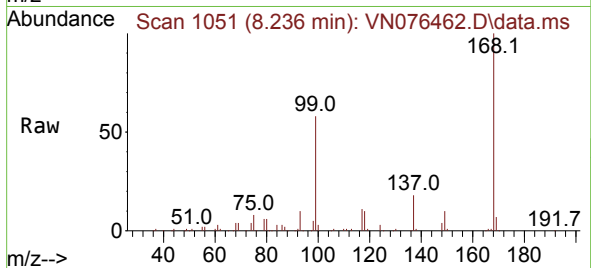
ClientSampleId :

Tgt Ion:168 Resp: 453845

Ion Ratio Lower Upper

168 100

99 58.5 41.6 62.4



#11

Tert butyl alcohol

Concen: 0.588 ug/l

RT: 5.506 min Scan# 587

Delta R.T. -0.024 min

Lab File: VN076462.D

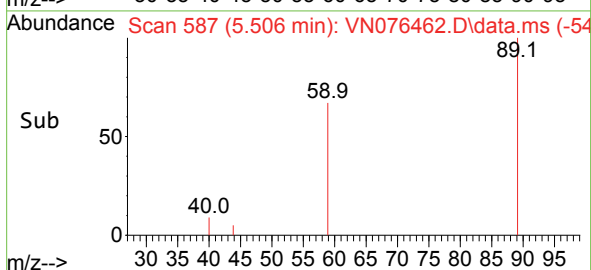
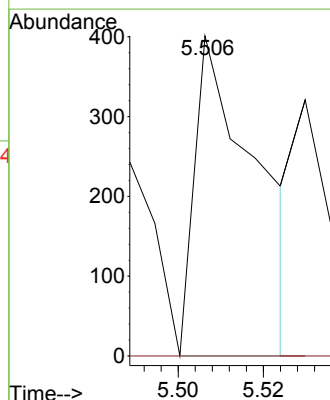
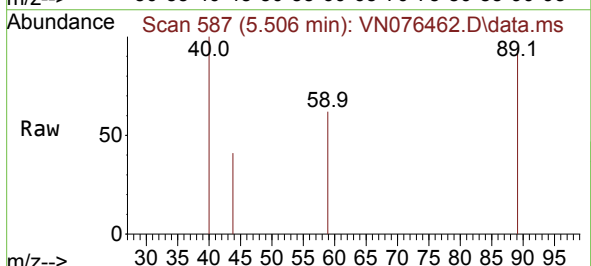
Acq: 30 Jan 2023 17:17

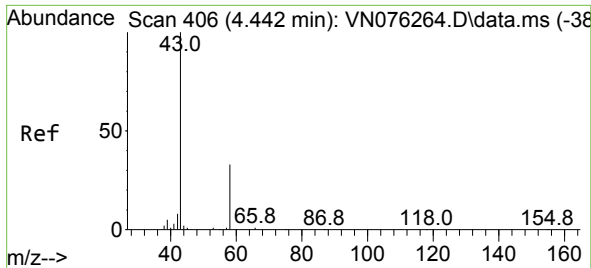
Tgt Ion: 59 Resp: 400

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 20.805 ug/l

RT: 4.448 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076462.D

Acq: 30 Jan 2023 17:17

Instrument :

MSVOA_N

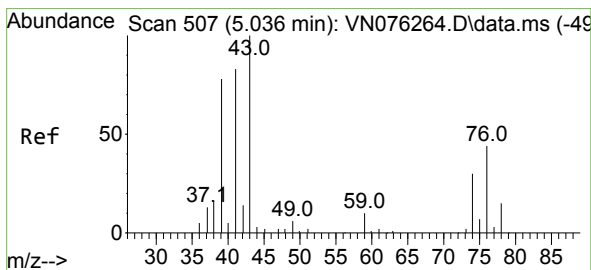
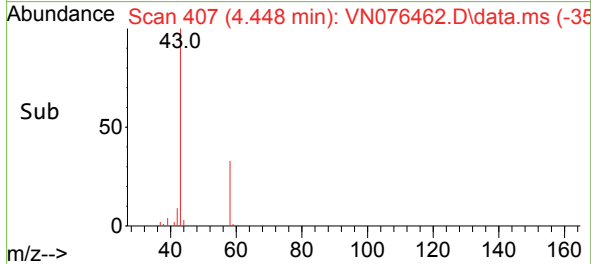
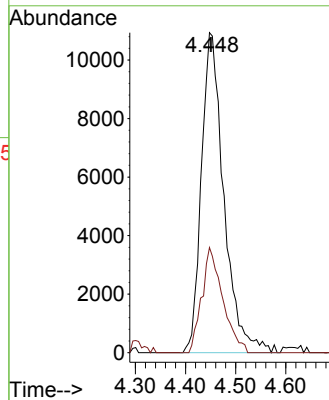
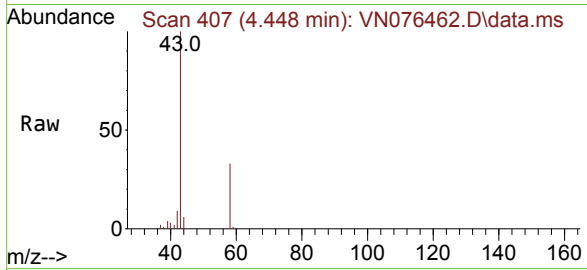
ClientSampleId :

Tgt Ion: 43 Resp: 34002

Ion Ratio Lower Upper

43 100

58 32.9 26.7 40.1



#18

Methyl Acetate

Concen: 0.911 ug/l

RT: 5.047 min Scan# 509

Delta R.T. 0.011 min

Lab File: VN076462.D

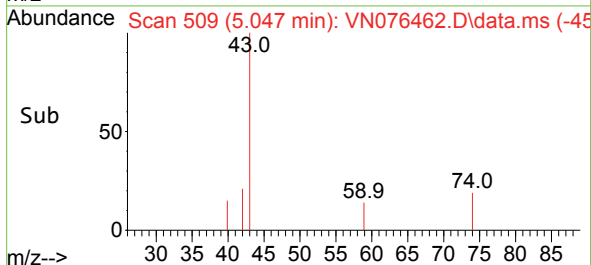
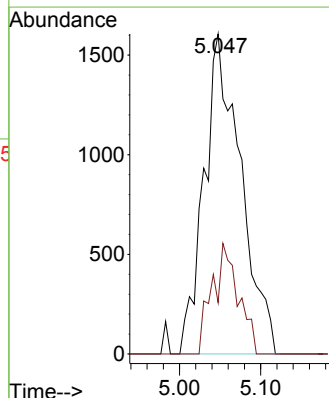
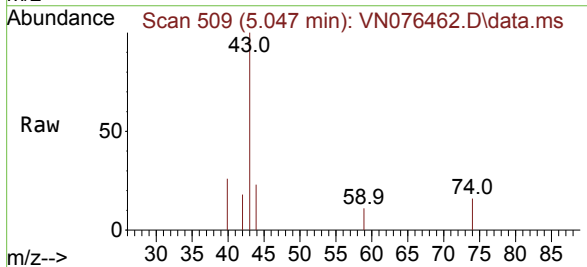
Acq: 30 Jan 2023 17:17

Tgt Ion: 43 Resp: 5027

Ion Ratio Lower Upper

43 100

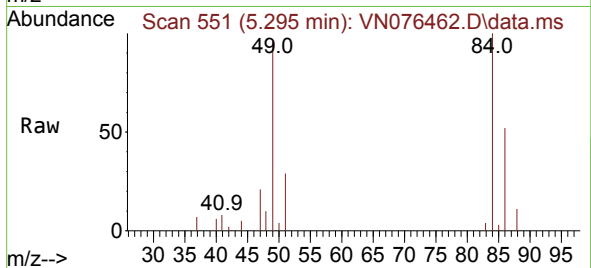
74 24.7 23.3 34.9



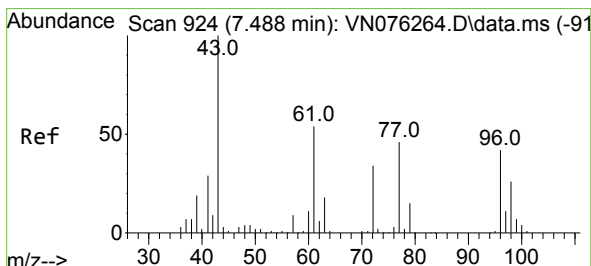
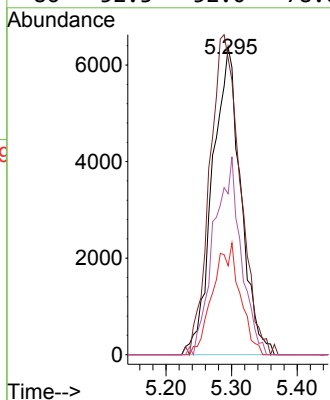
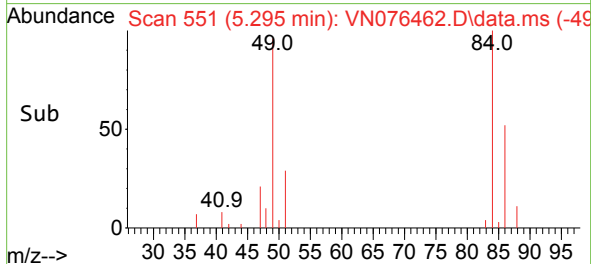


#20
Methylene Chloride
Concen: 3.401 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Instrument :
MSVOA_N
ClientSampleId :

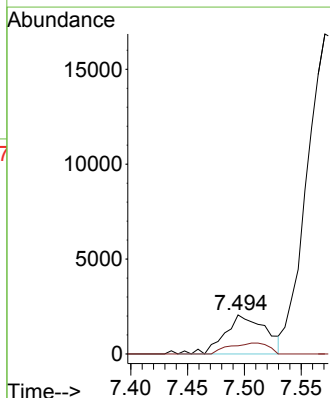
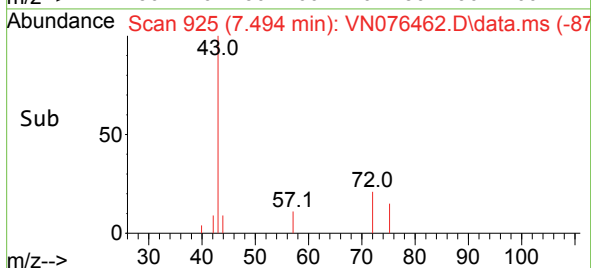
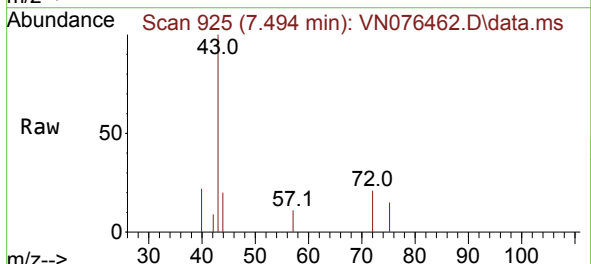


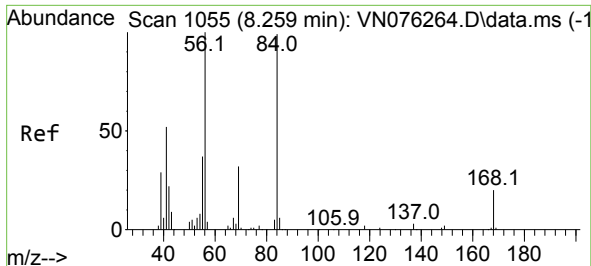
Tgt Ion: 84 Resp: 19101
Ion Ratio Lower Upper
84 100
49 96.3 84.5 126.7
51 28.9 26.0 39.0
86 52.3 52.0 78.0



#25
2-Butanone
Concen: 2.062 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

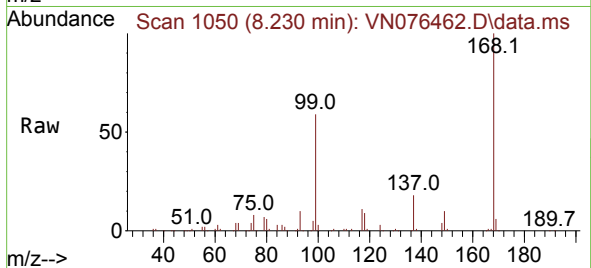
Tgt Ion: 43 Resp: 5131
Ion Ratio Lower Upper
43 100
72 20.9 27.4 41.2#



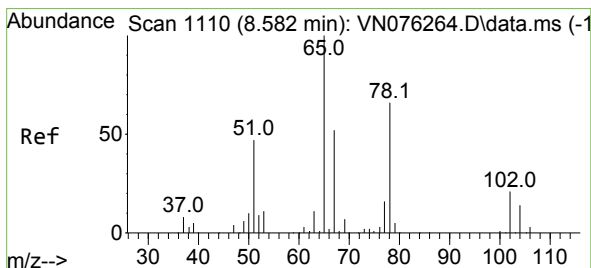
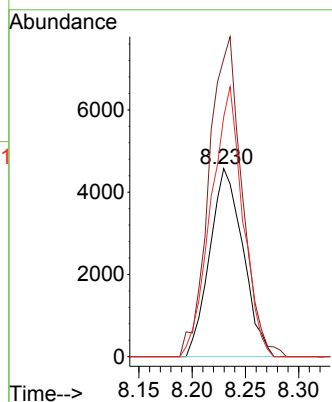
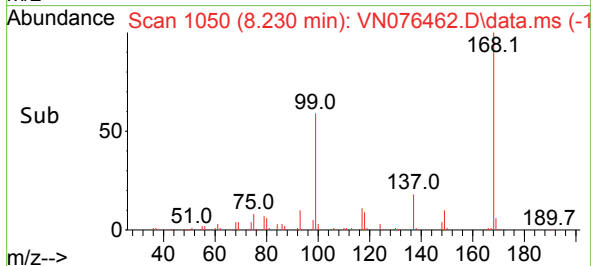


#31
Cyclohexane
Concen: 1.272 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Instrument :
MSVOA_N
ClientSampleId :

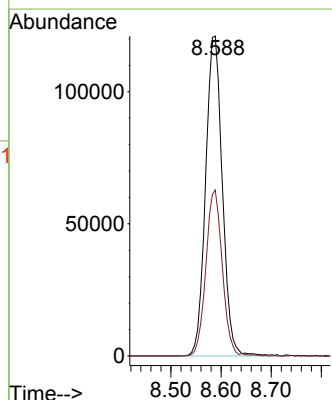
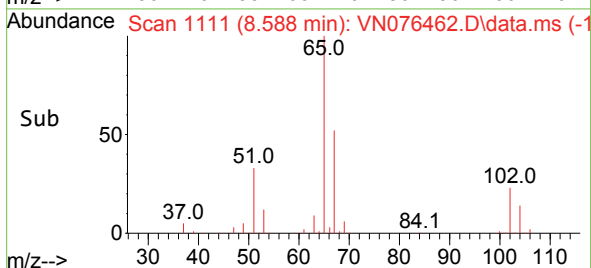
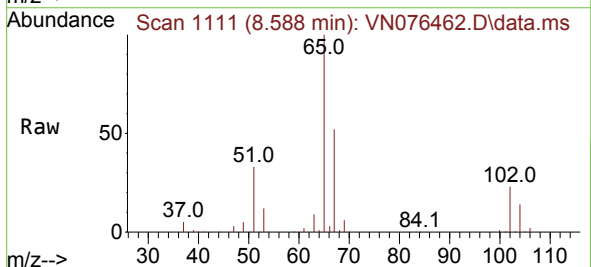


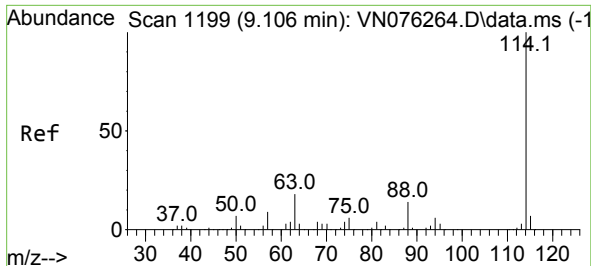
Tgt Ion: 56 Resp: 9930
Ion Ratio Lower Upper
56 100
69 158.2 25.8 38.8#
84 127.4 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 55.282 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Tgt Ion: 65 Resp: 280923
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.6

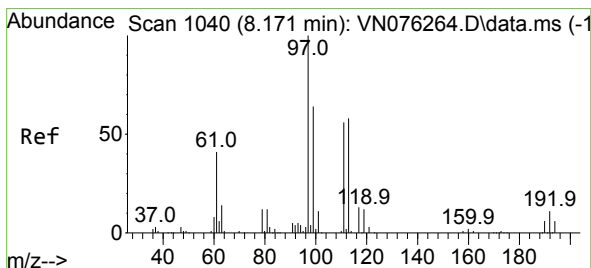
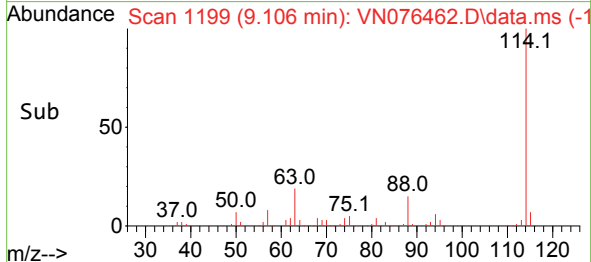
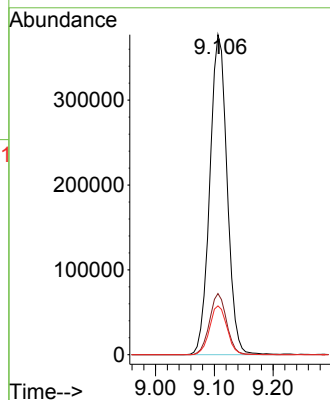
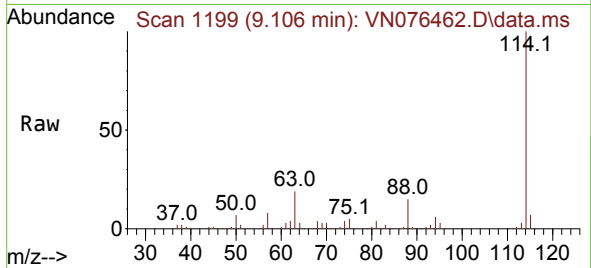




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

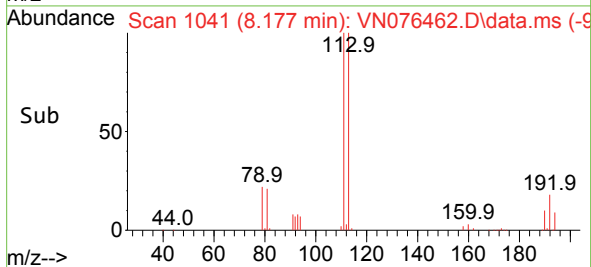
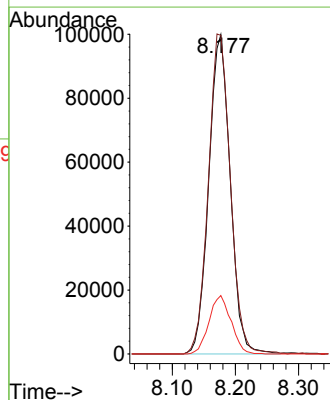
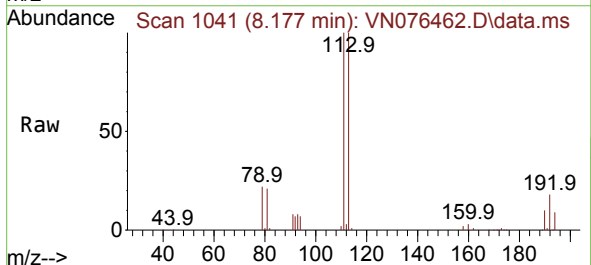
Instrument :
MSVOA_N
ClientSampleId :

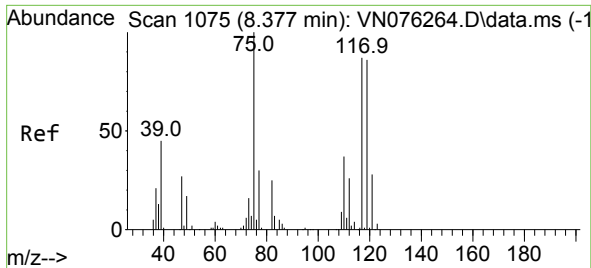
Tgt Ion:114 Resp: 770089
Ion Ratio Lower Upper
114 100
63 19.1 0.0 35.8
88 15.3 0.0 28.0



#35
Dibromofluoromethane
Concen: 48.860 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

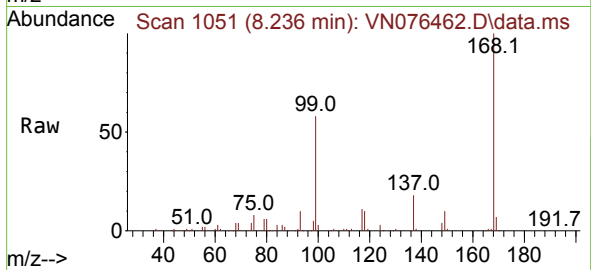
Tgt Ion:113 Resp: 235372
Ion Ratio Lower Upper
113 100
111 102.9 82.7 124.1
192 18.9 15.6 23.4



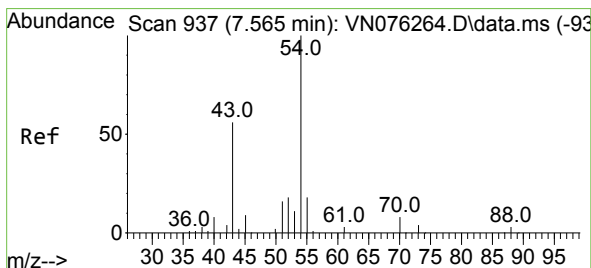
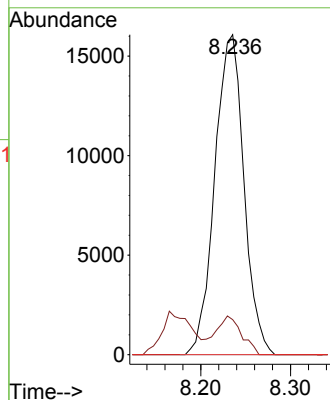
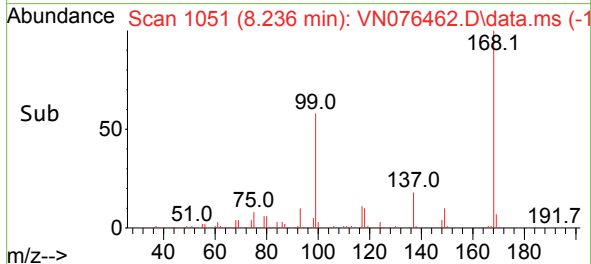


#36
1,1-Dichloropropene
Concen: 5.292 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Instrument :
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ClientSampleId :

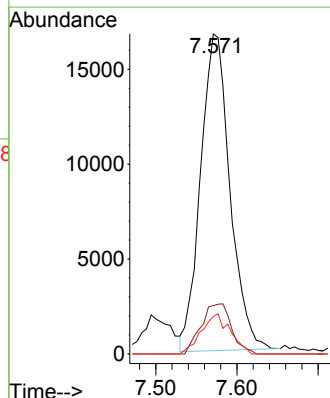
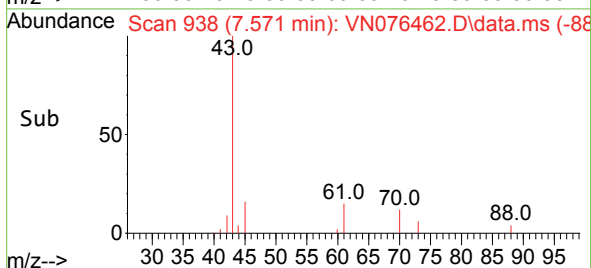
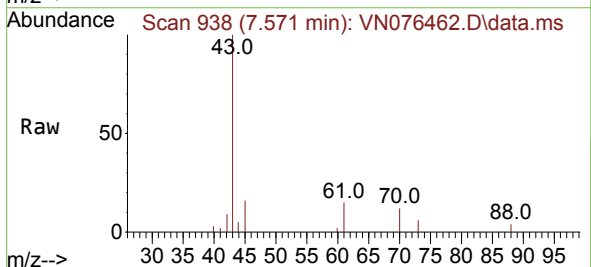


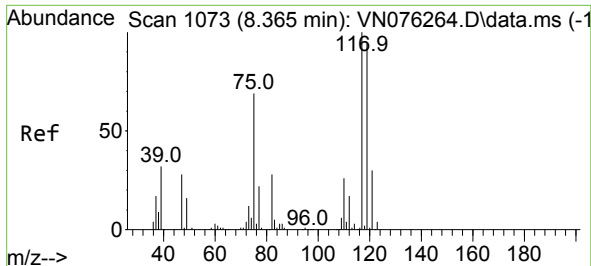
Tgt Ion: 75 Resp: 36224
Ion Ratio Lower Upper
75 100
110 10.4 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 7.672 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

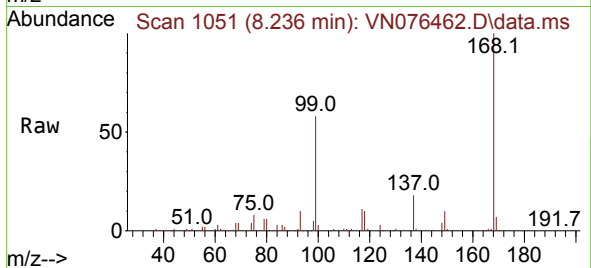
Tgt Ion: 43 Resp: 41955
Ion Ratio Lower Upper
43 100
61 16.3 11.1 16.7
70 12.4 10.0 15.0



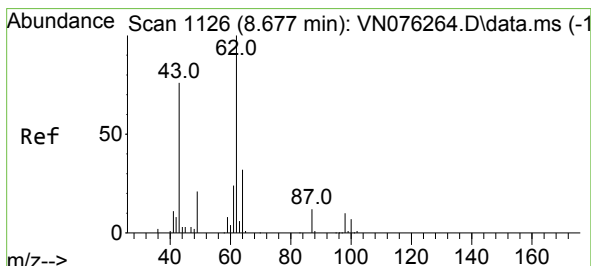
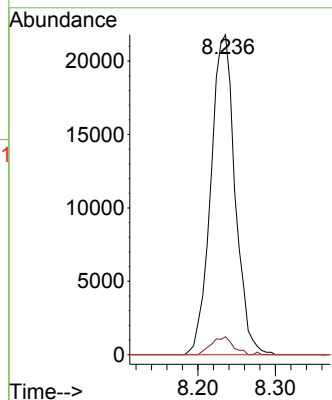
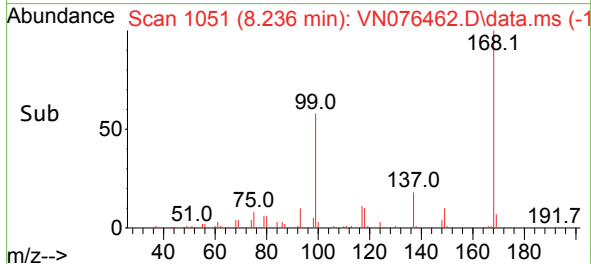


#38
Carbon Tetrachloride
Concen: 6.226 ug/l
RT: 8.236 min Scan# 1105
Delta R.T. -0.129 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Instrument :
MSVOA_N
ClientSampleId :

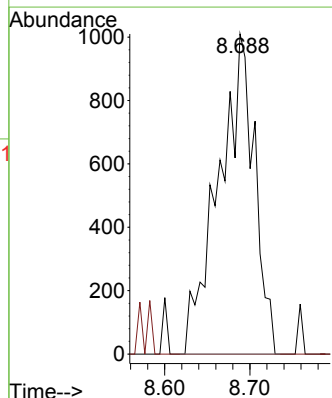
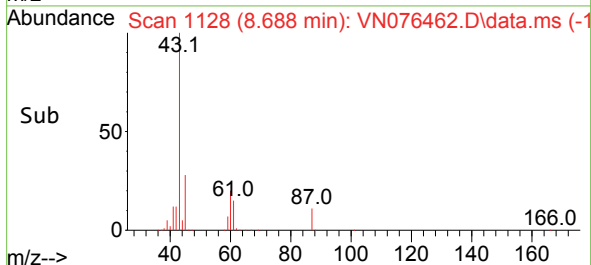
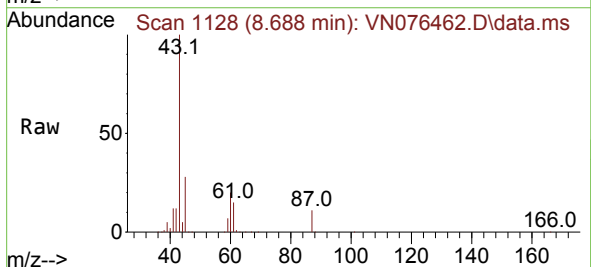


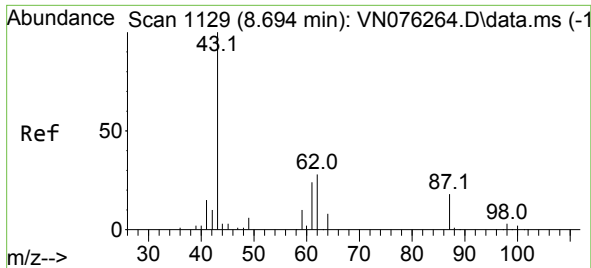
Tgt Ion:117 Resp: 47525
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.0#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.420 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Tgt Ion: 62 Resp: 2941
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4

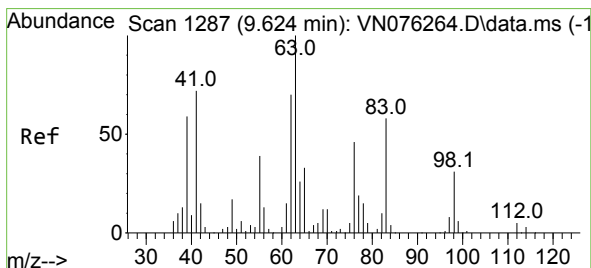
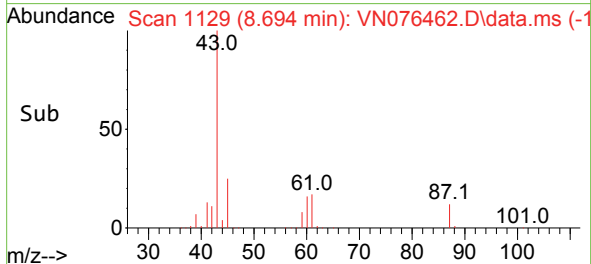
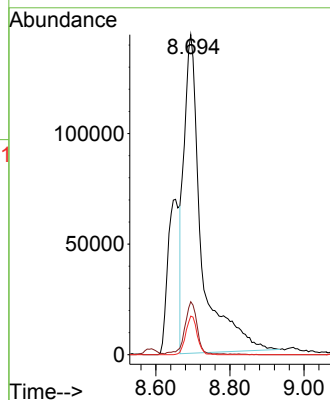
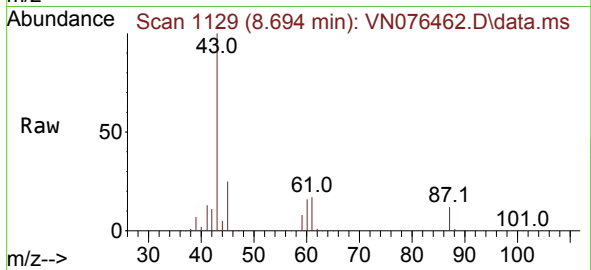




#43
Isopropyl Acetate
Concen: 52.997 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

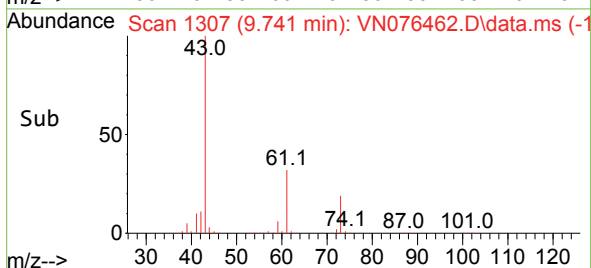
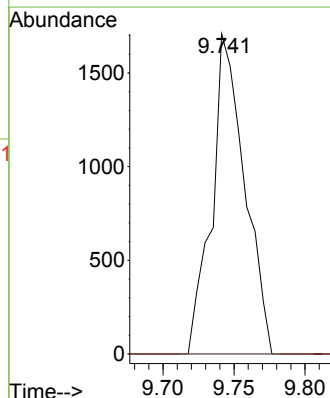
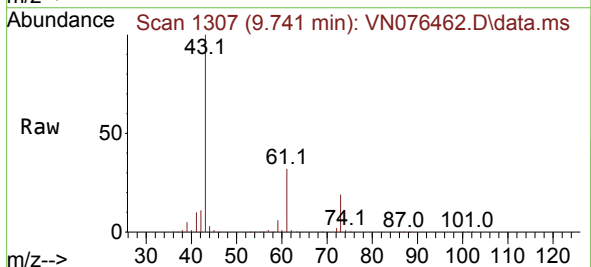
Instrument :
MSVOA_N
ClientSampleId :

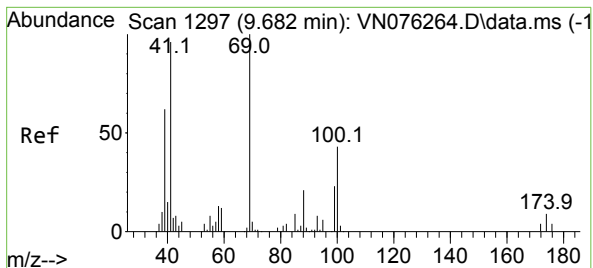
Tgt Ion: 43 Resp: 473365
Ion Ratio Lower Upper
43 100
61 11.3 23.5 35.3#
87 7.8 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.559 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Tgt Ion: 63 Resp: 2737
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#





#48

Methyl methacrylate

Concen: 46.797 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

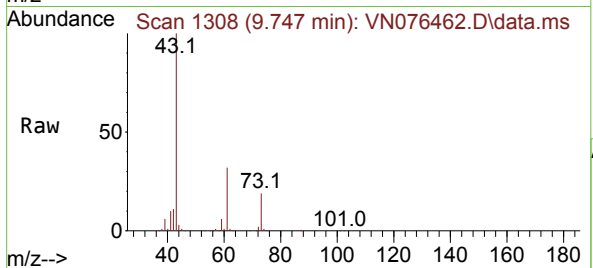
Lab File: VN076462.D

Acq: 30 Jan 2023 17:17

Instrument :

MSVOA_N

ClientSampleId :



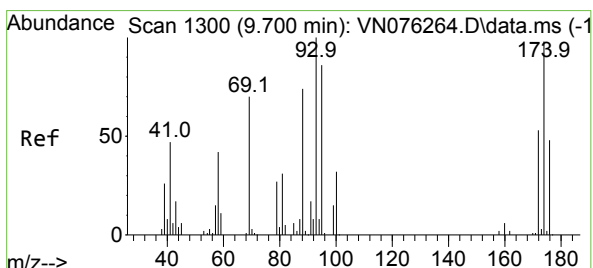
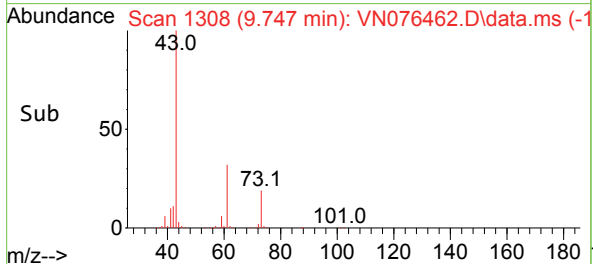
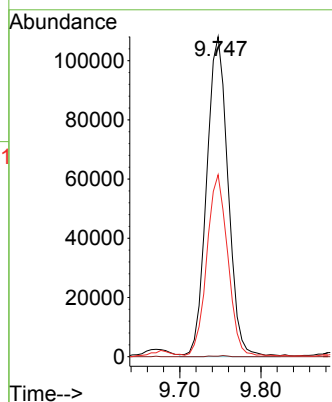
Tgt Ion: 41 Resp: 197883

Ion Ratio Lower Upper

41 100

69 0.2 80.8 121.2#

39 55.4 54.4 81.6



#49

1,4-Dioxane

Concen: 4.741 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.041 min

Lab File: VN076462.D

Acq: 30 Jan 2023 17:17

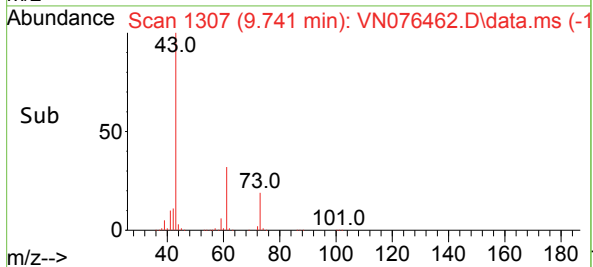
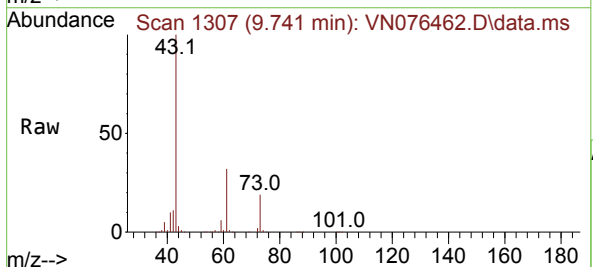
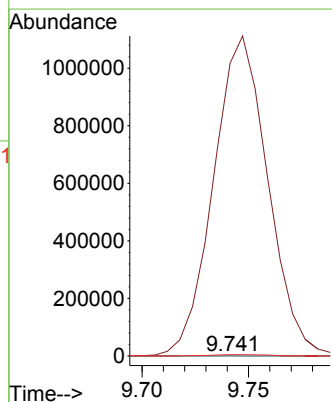
Tgt Ion: 88 Resp: 423

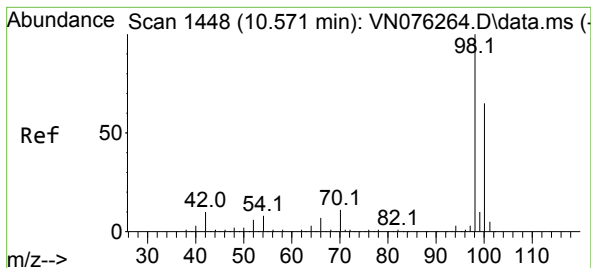
Ion Ratio Lower Upper

88 100

43 470848.0 18.1 27.1#

58 2144.2 46.5 69.7#





#50

Toluene-d8

Concen: 50.382 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

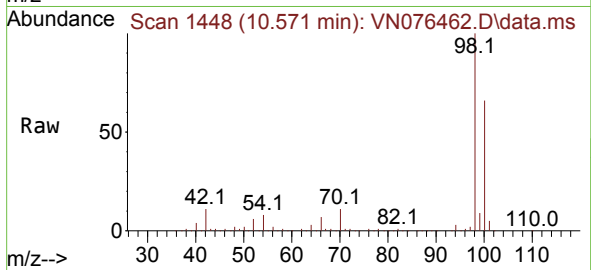
Lab File: VN076462.D

Acq: 30 Jan 2023 17:17

Instrument :

MSVOA_N

ClientSampleId :

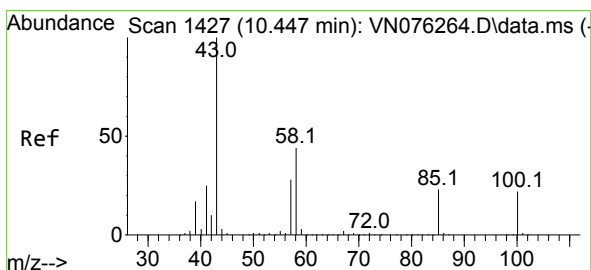
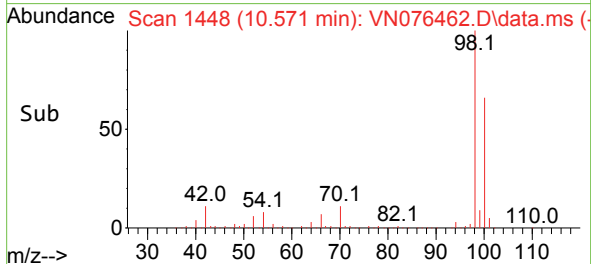
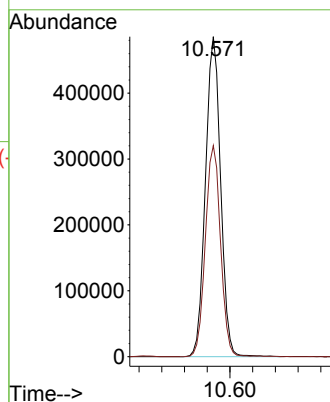


Tgt Ion: 98 Resp: 896322

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 3.543 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN076462.D

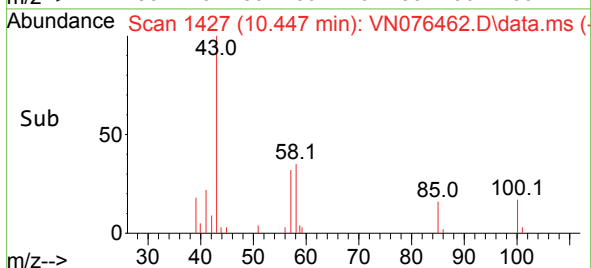
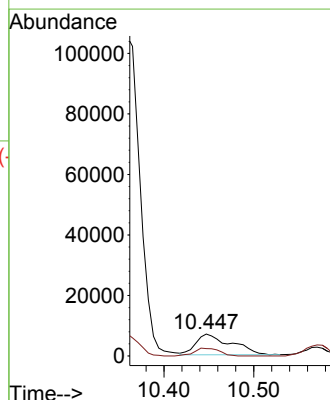
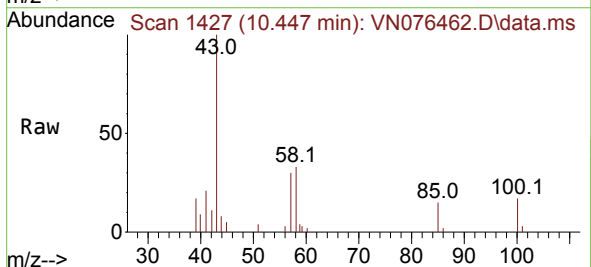
Acq: 30 Jan 2023 17:17

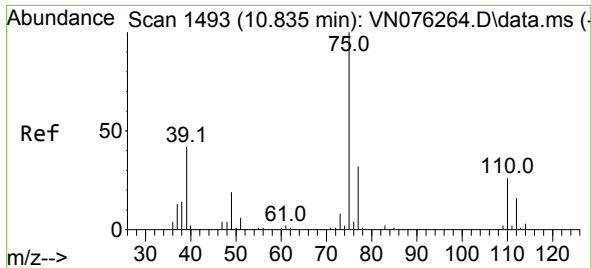
Tgt Ion: 43 Resp: 18578

Ion Ratio Lower Upper

43 100

58 26.8 35.1 52.7#

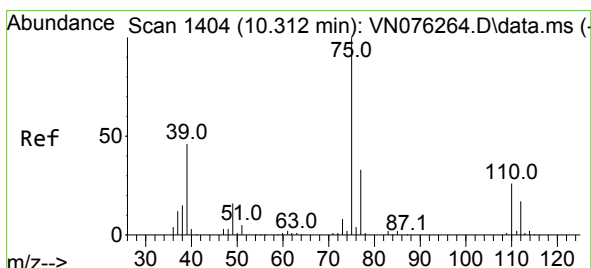
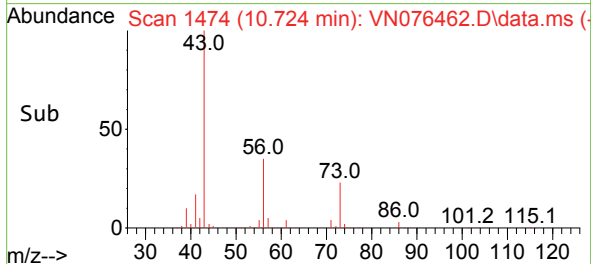
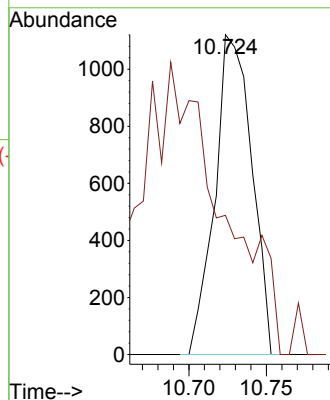
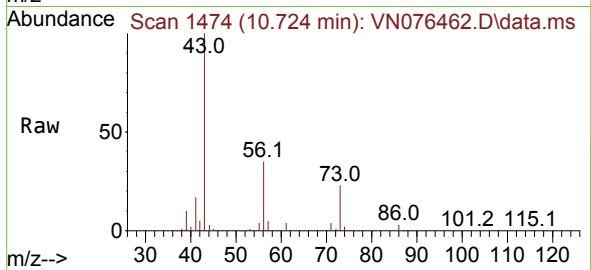




#53
 t-1,3-Dichloropropene
 Concen: 0.270 ug/l
 RT: 10.724 min Scan# 1411
 Delta R.T. -0.111 min
 Lab File: VN076462.D
 Acq: 30 Jan 2023 17:17

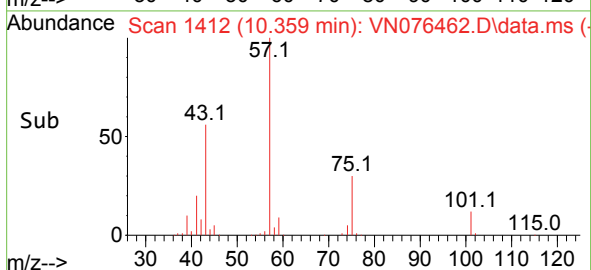
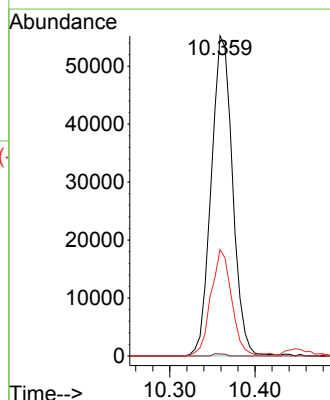
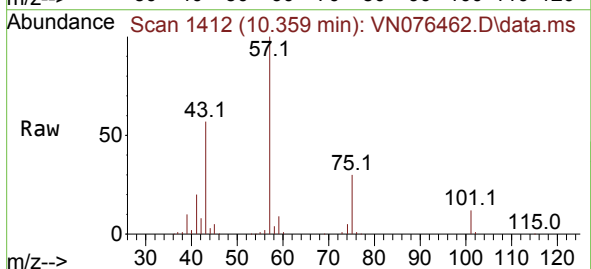
Instrument :
 MSVOA_N
 ClientSampleId :

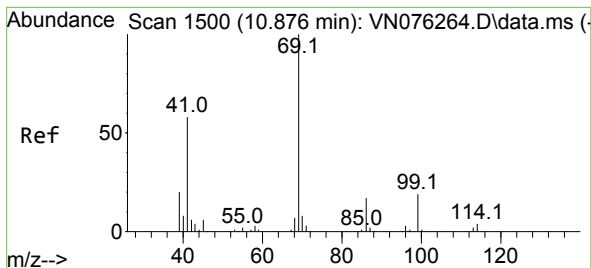
Tgt Ion: 75 Resp: 1850
 Ion Ratio Lower Upper
 75 100
 77 43.5 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 12.212 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076462.D
 Acq: 30 Jan 2023 17:17

Tgt Ion: 75 Resp: 96111
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.5 39.7#
 39 33.2 37.1 55.7#





#56

Ethyl methacrylate

Concen: 0.437 ug/l

RT: 10.988 min Scan# 1519

Delta R.T. 0.112 min

Lab File: VN076462.D

Acq: 30 Jan 2023 17:17

Instrument :

MSVOA_N

ClientSampleId :

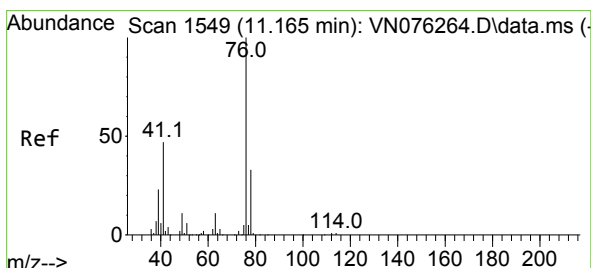
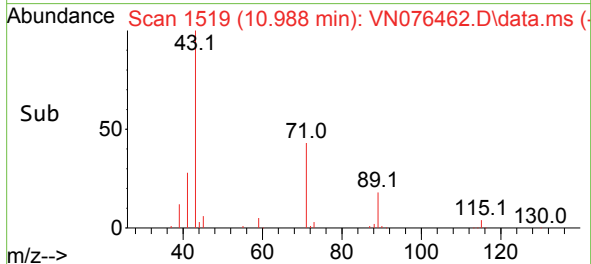
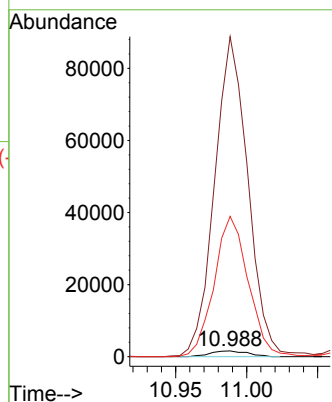
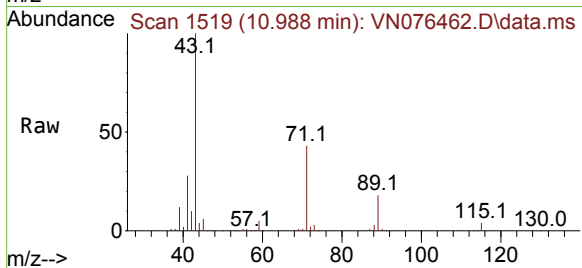
Tgt Ion: 69 Resp: 2954

Ion Ratio Lower Upper

69 100

41 4929.3 45.3 67.9#

39 2204.7 29.3 43.9#



#57

1,3-Dichloropropane

Concen: 1.528 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076462.D

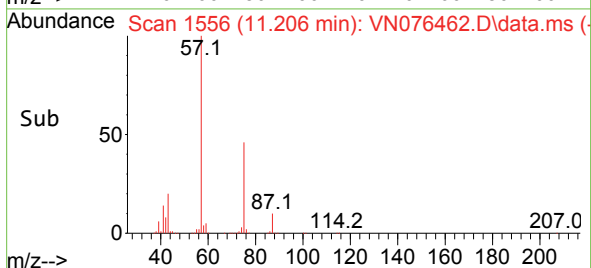
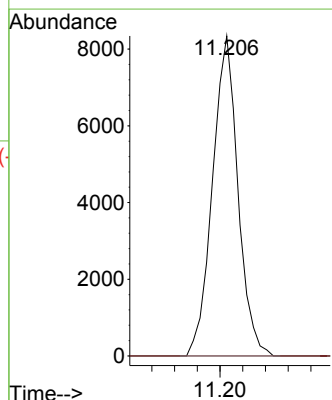
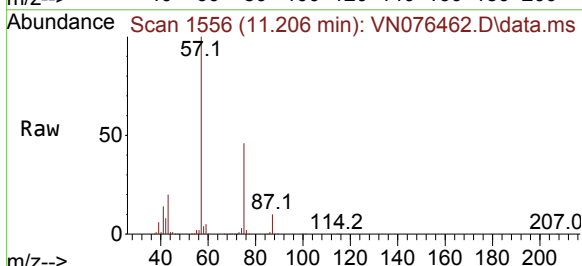
Acq: 30 Jan 2023 17:17

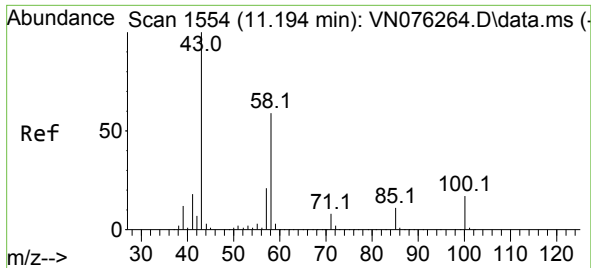
Tgt Ion: 76 Resp: 12990

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#

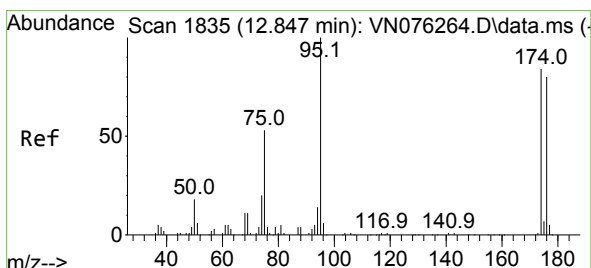
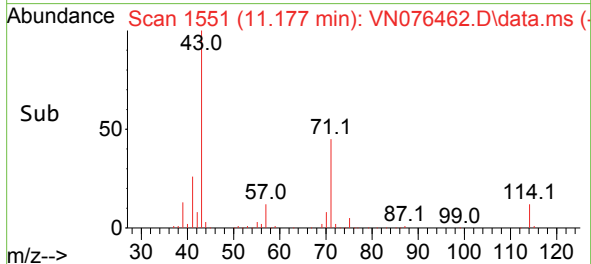
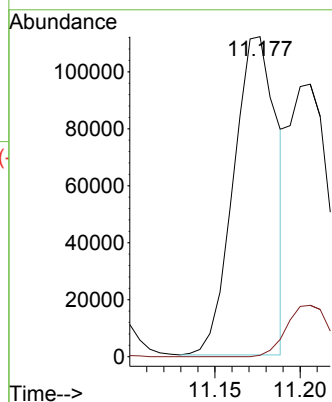
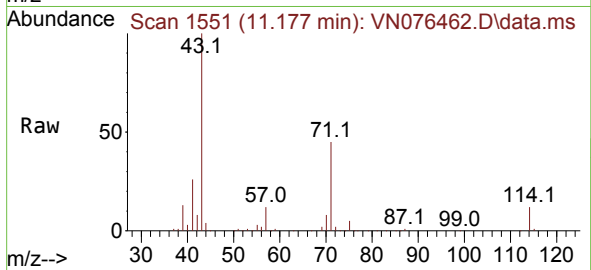




#59
2-Hexanone
Concen: 51.934 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

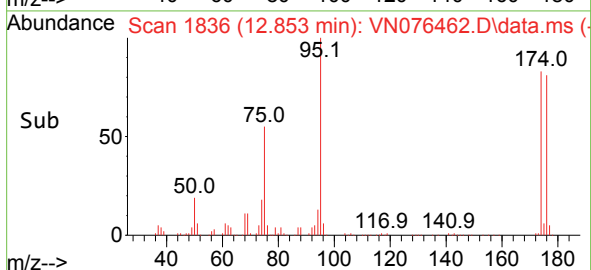
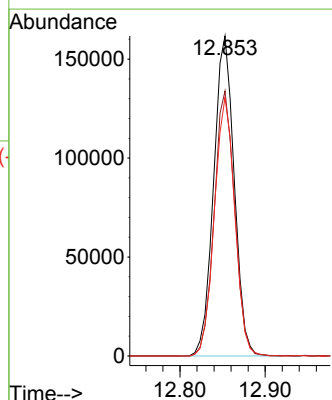
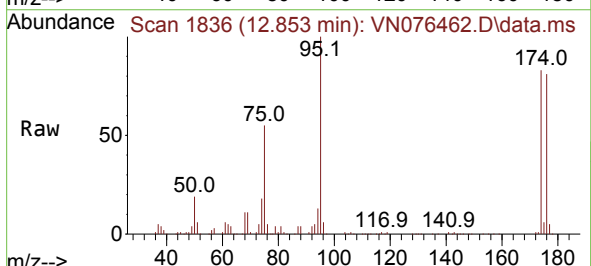
Instrument :
MSVOA_N
ClientSampleId :

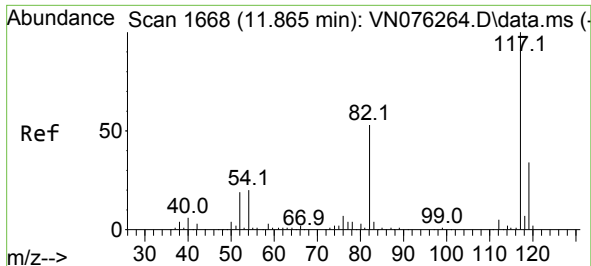
Tgt Ion: 43 Resp: 197329
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 46.652 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

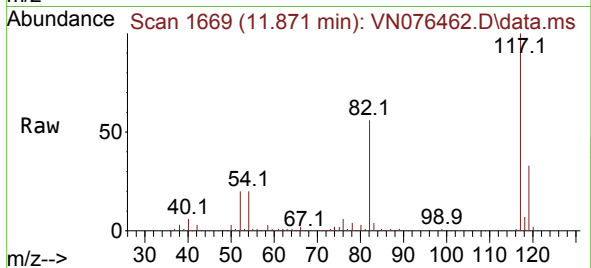
Tgt Ion: 95 Resp: 270943
Ion Ratio Lower Upper
95 100
174 82.6 0.0 174.6
176 80.2 0.0 167.8



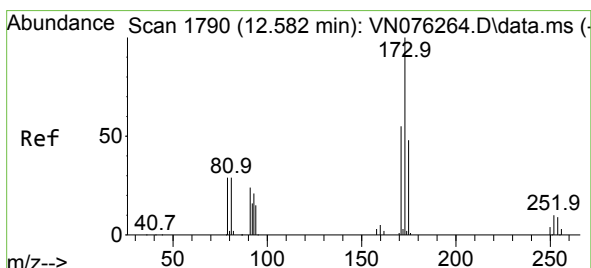
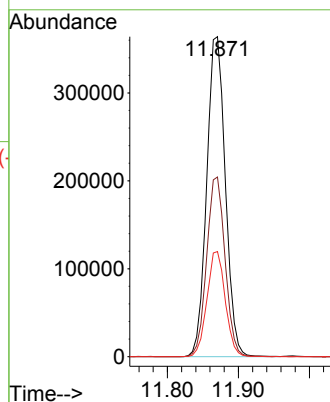
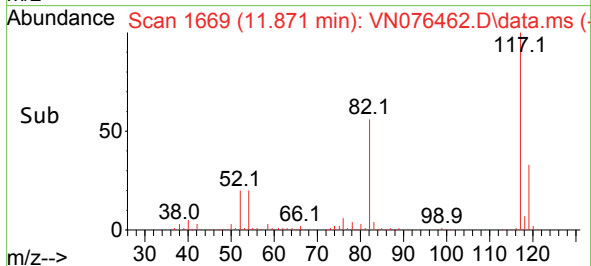


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Instrument :
MSVOA_N
ClientSampleId :

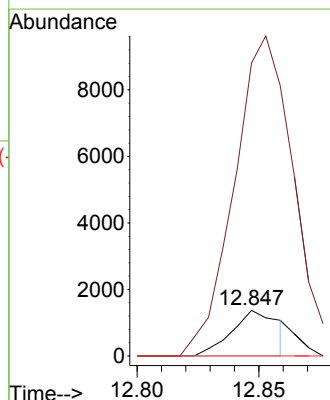
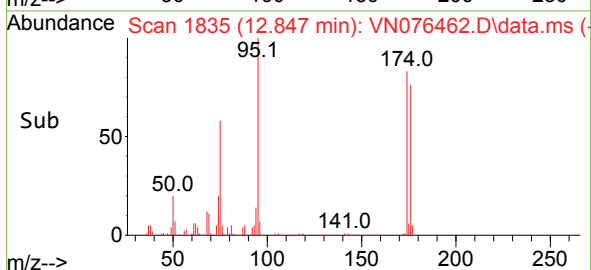
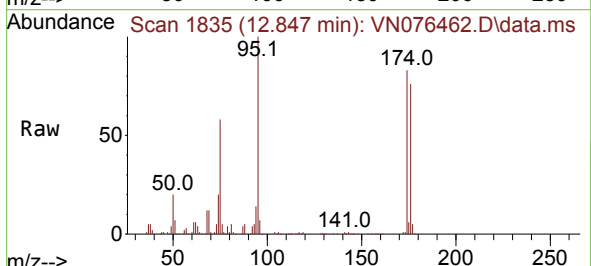


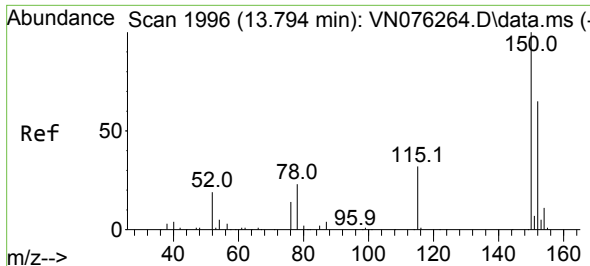
Tgt Ion:117 Resp: 664859
Ion Ratio Lower Upper
117 100
82 56.2 42.2 63.2
119 32.8 26.9 40.3



#71
Bromoform
Concen: 0.483 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Tgt Ion:173 Resp: 1824
Ion Ratio Lower Upper
173 100
175 718.9 24.1 72.4#
254 0.0 0.0 0.0

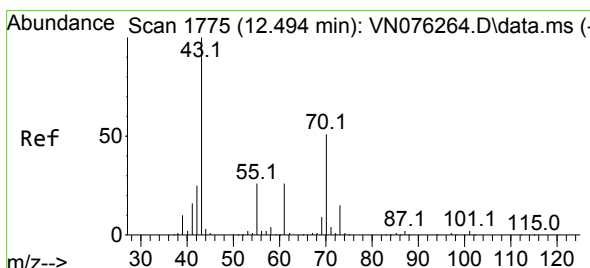
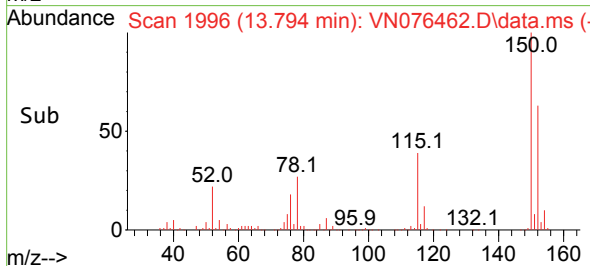
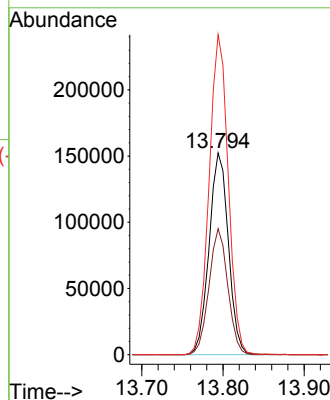
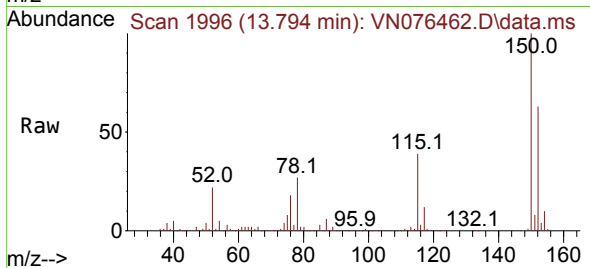




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

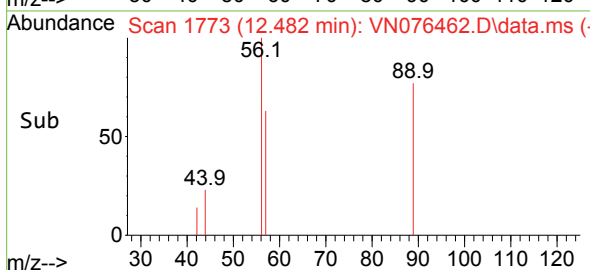
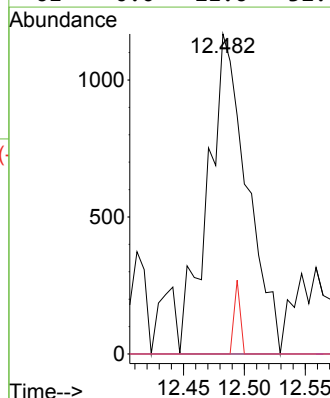
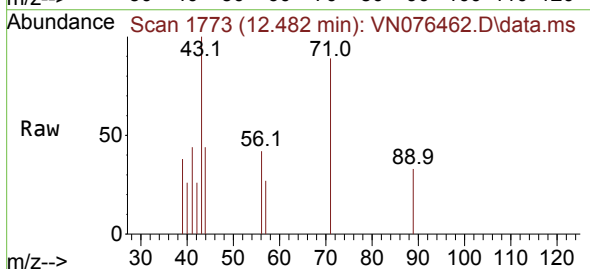
Instrument :
MSVOA_N
ClientSampleId :

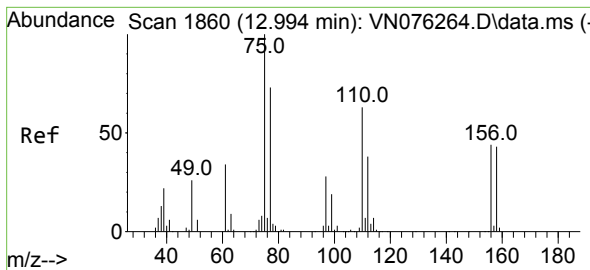
Tgt Ion:152 Resp: 251335
Ion Ratio Lower Upper
152 100
115 60.9 29.6 88.9
150 157.3 0.0 351.4



#74
N-ethyl acetate
Concen: 0.469 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Tgt Ion: 43 Resp: 2625
Ion Ratio Lower Upper
43 100
70 0.0 41.2 61.8#
55 3.6 21.0 31.6#
61 0.0 21.6 32.4#

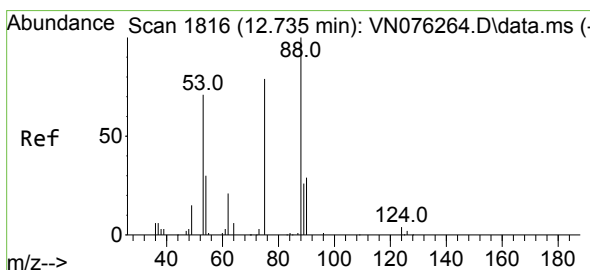
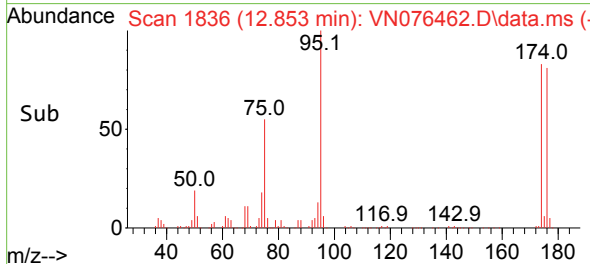
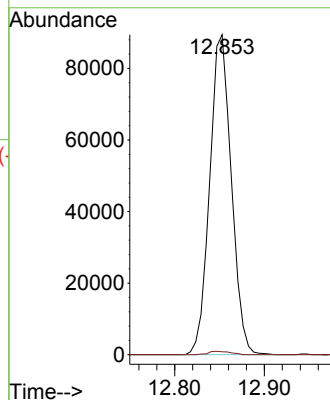
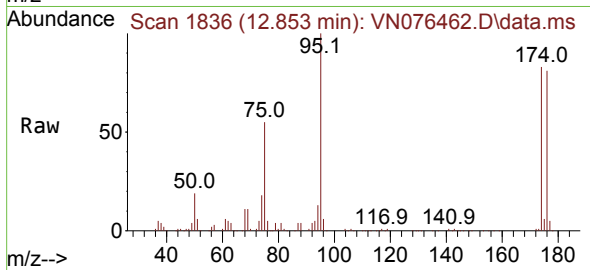




#76
1,2,3-Trichloropropane
Concen: 32.359 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

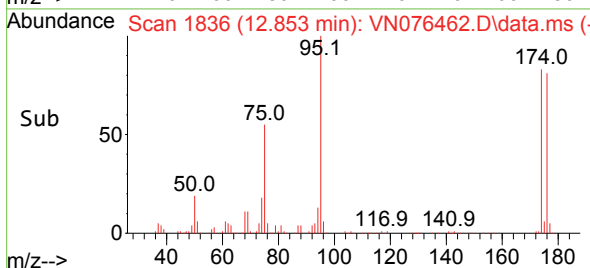
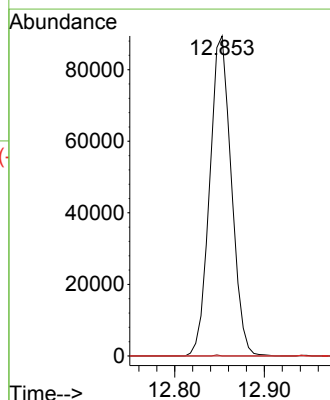
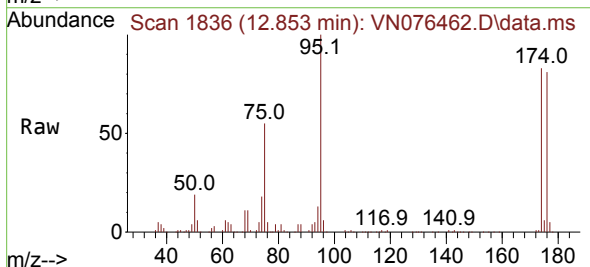
Instrument :
MSVOA_N
ClientSampleId :

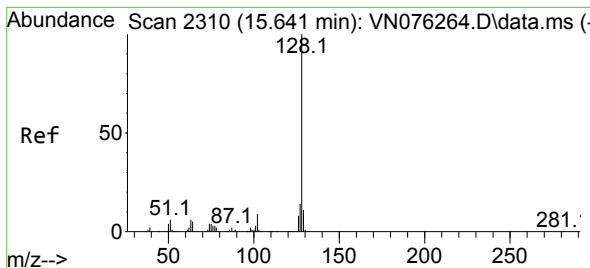
Tgt Ion: 75 Resp: 149692
Ion Ratio Lower Upper
75 100
77 1.1 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.096 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076462.D
Acq: 30 Jan 2023 17:17

Tgt Ion: 75 Resp: 149692
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 1.894 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

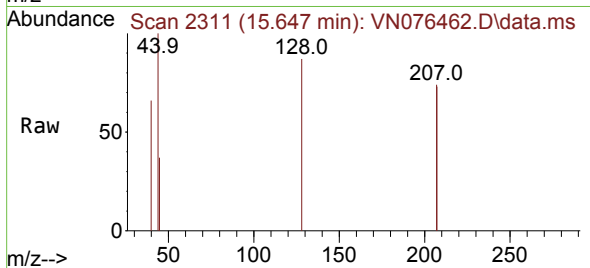
Lab File: VN076462.D

Acq: 30 Jan 2023 17:17

Instrument :

MSVOA_N

ClientSampleId :



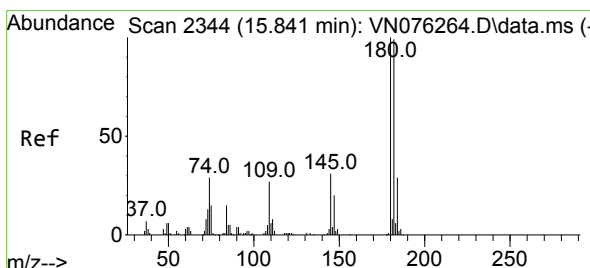
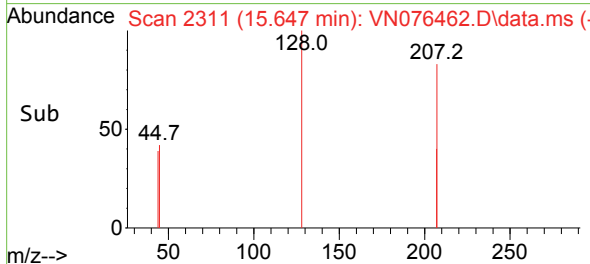
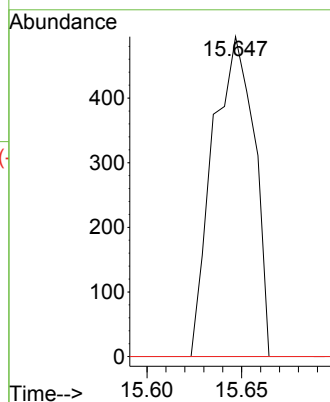
Tgt Ion:128 Resp: 753

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.169 ug/l

RT: 15.835 min Scan# 2343

Delta R.T. -0.006 min

Lab File: VN076462.D

Acq: 30 Jan 2023 17:17

Tgt Ion:180 Resp: 66

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.5#

145 0.0 15.9 47.6#

