

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076465.D
 Acq On : 30 Jan 2023 18:29
 Operator : JC\MD
 Sample : 01329-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:44:18 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

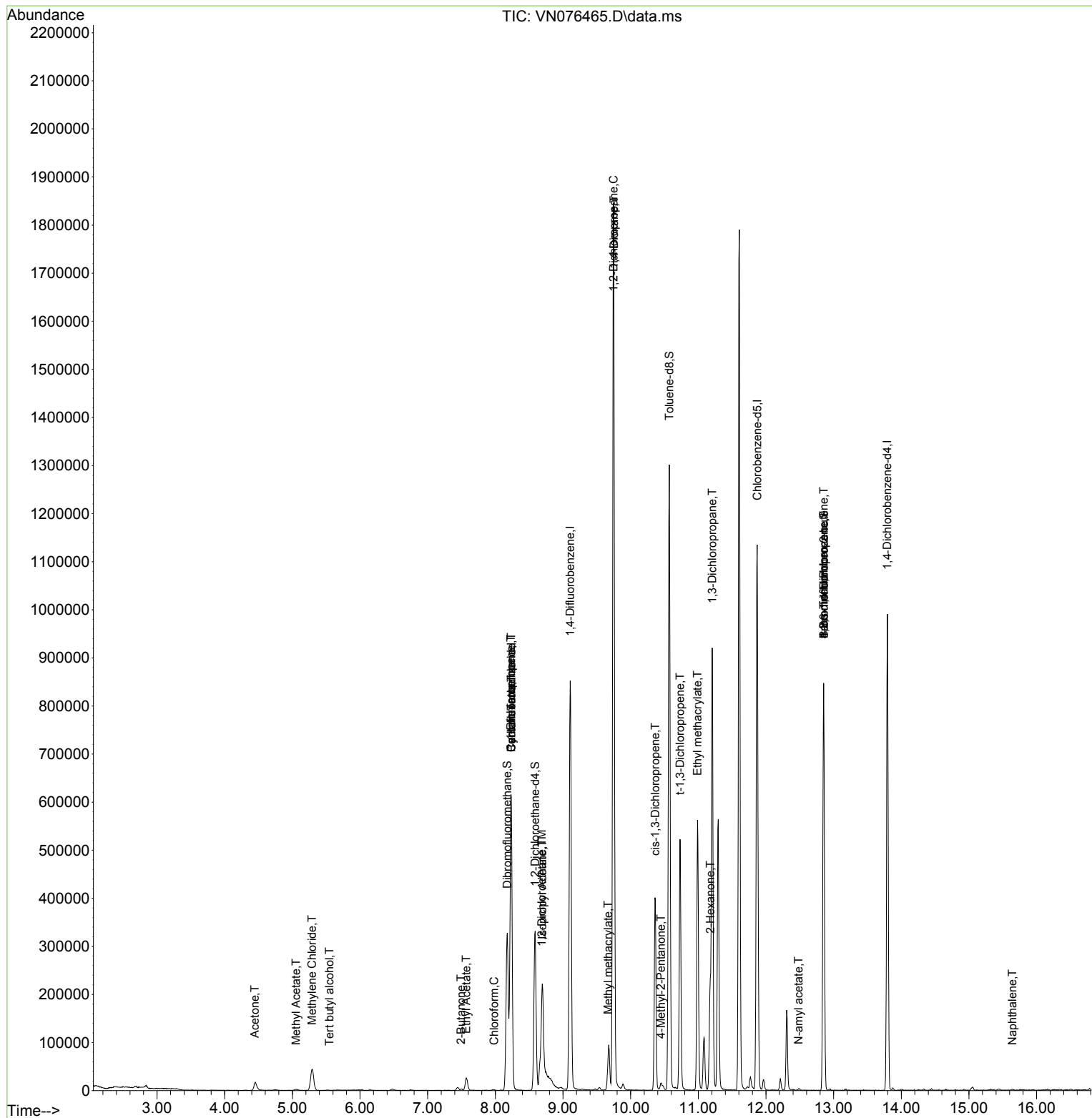
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	459821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	773829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	679469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	264973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	279206	54.230	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.460%	
35) Dibromofluoromethane	8.177	113	235918	48.737	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.480%	
50) Toluene-d8	10.571	98	902523	50.485	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.980%	
62) 4-Bromofluorobenzene	12.853	95	282503	48.407	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.820%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.548	59	226	0.328	ug/l #	72
16) Acetone	4.448	43	31552	19.049	ug/l	92
18) Methyl Acetate	5.053	43	4837	0.865	ug/l #	76
20) Methylene Chloride	5.289	84	37866	7.238	ug/l	96
25) 2-Butanone	7.494	43	4309	1.709	ug/l #	87
30) Chloroform	7.983	83	2248	0.252	ug/l	93
31) Cyclohexane	8.236	56	9808	1.240	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	35276	5.129	ug/l #	48
37) Ethyl Acetate	7.571	43	37790	6.881	ug/l	98
38) Carbon Tetrachloride	8.236	117	48320	6.299	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1975	0.281	ug/l #	73
43) Isopropyl Acetate	8.694	43	356865	39.761	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	2482	0.504	ug/l #	42
48) Methyl methacrylate	9.665	41	5417	1.275	ug/l #	40
49) 1,4-Dioxane	9.753	88	196	2.186	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	15578	2.957	ug/l #	74
53) t-1,3-Dichloropropene	10.730	75	1487	0.216	ug/l #	87
54) cis-1,3-Dichloropropene	10.365	75	77142	9.754	ug/l #	63
56) Ethyl methacrylate	10.988	69	2638	0.389	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10257	1.201	ug/l #	42
59) 2-Hexanone	11.177	43	180549	47.288	ug/l #	21
71) Bromoform	12.853	173	1574	0.408	ug/l #	1
74) N-amyl acetate	12.482	43	2548	0.432	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	153209	31.386	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	153209	96.204	ug/l #	11
95) Naphthalene	15.641	128	2447	2.010	ug/l #	77

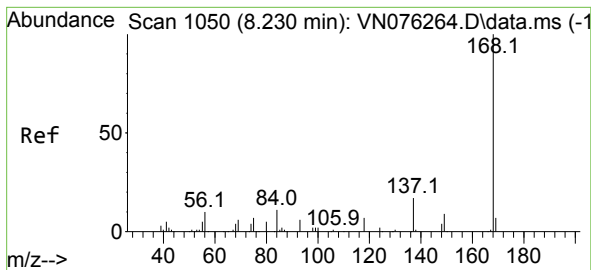
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1

Delta R.T. 0.006 min

Lab File: VN076465.D

Acq: 30 Jan 2023 18:29

Instrument :

MSVOA_N

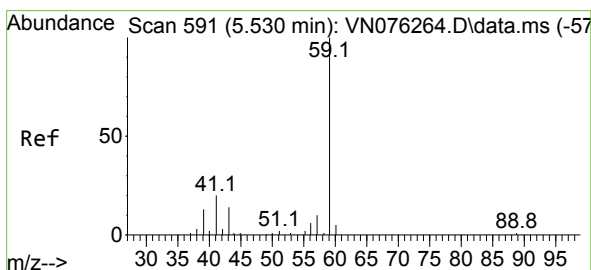
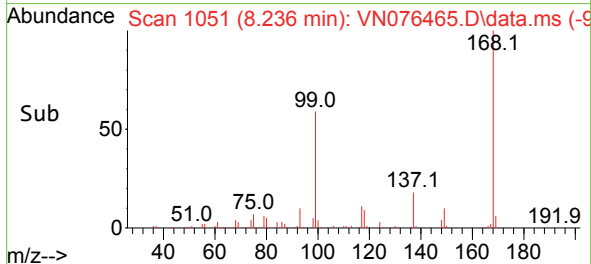
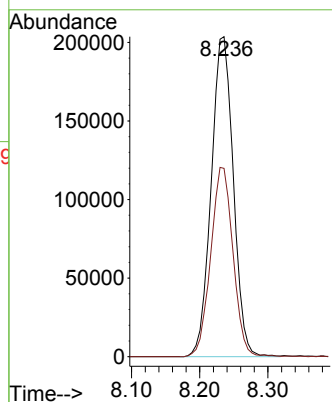
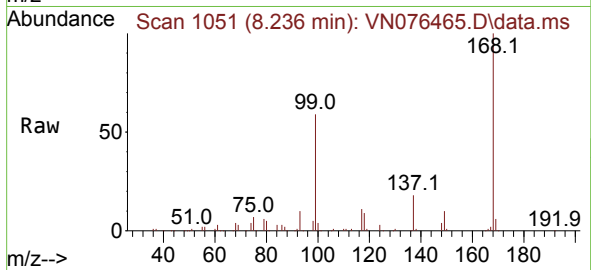
ClientSampleId :

Tgt Ion:168 Resp: 459821

Ion Ratio Lower Upper

168 100

99 58.9 41.6 62.4



#11

Tert butyl alcohol

Concen: 0.328 ug/l

RT: 5.548 min Scan# 594

Delta R.T. 0.018 min

Lab File: VN076465.D

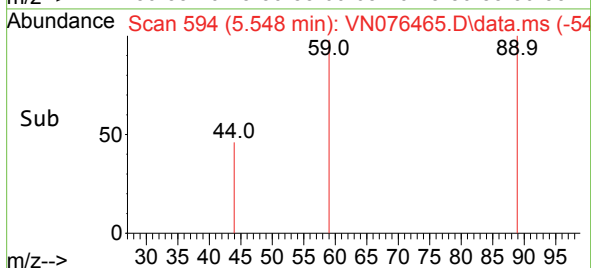
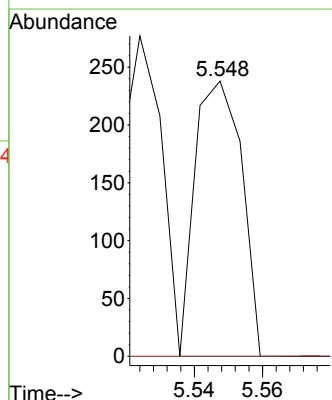
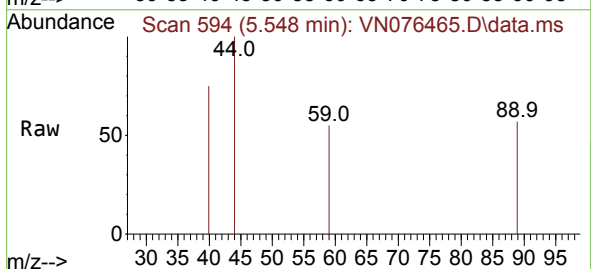
Acq: 30 Jan 2023 18:29

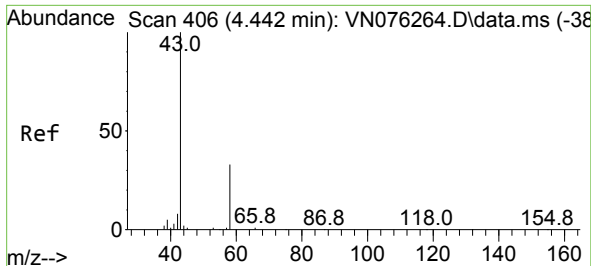
Tgt Ion: 59 Resp: 226

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

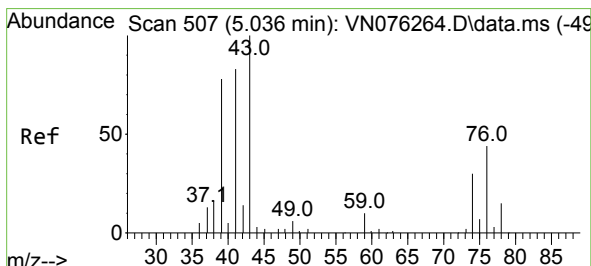
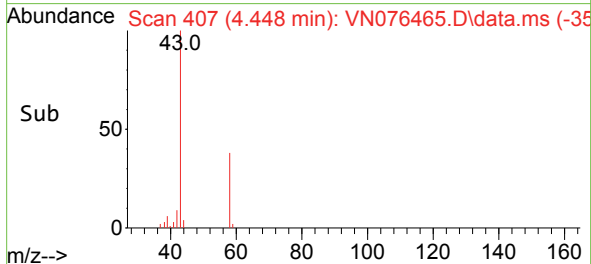
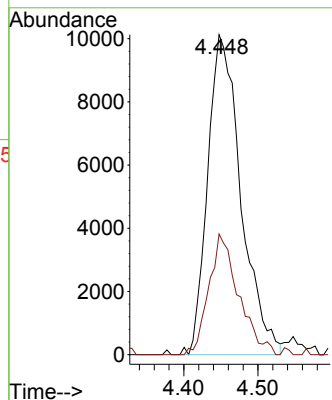
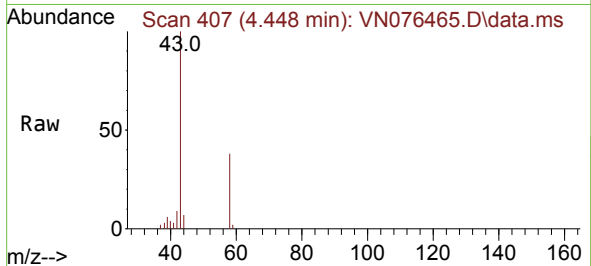




#16
Acetone
Concen: 19.049 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

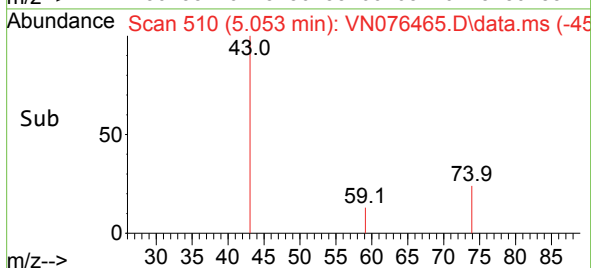
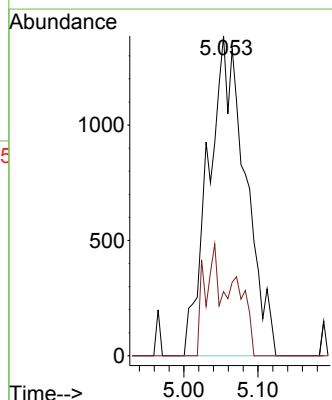
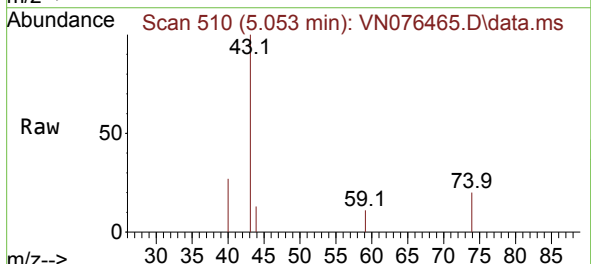
Instrument :
MSVOA_N
ClientSampleId :

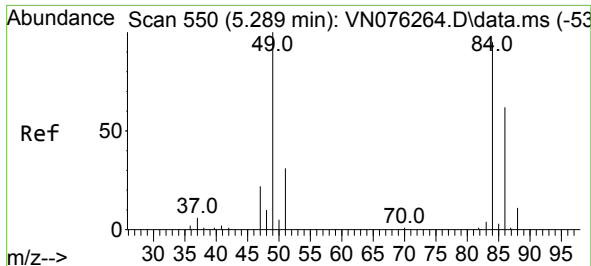
Tgt Ion: 43 Resp: 31552
Ion Ratio Lower Upper
43 100
58 37.7 26.7 40.1



#18
Methyl Acetate
Concen: 0.865 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

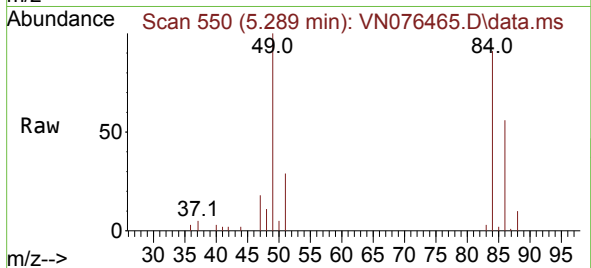
Tgt Ion: 43 Resp: 4837
Ion Ratio Lower Upper
43 100
74 16.2 23.3 34.9#



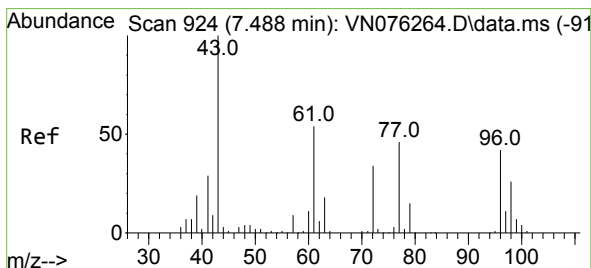
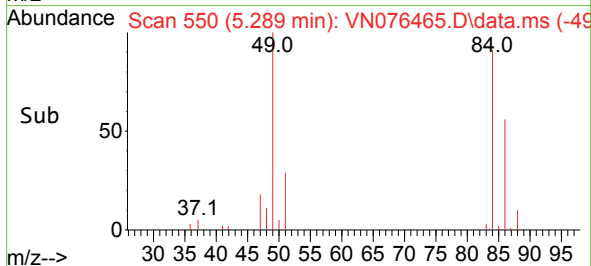
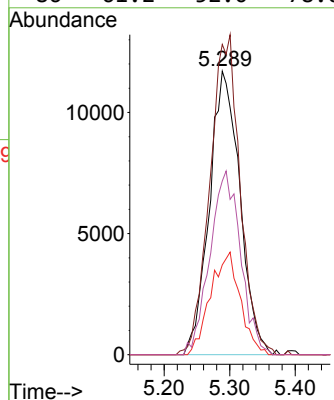


#20
Methylene Chloride
Concen: 7.238 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :

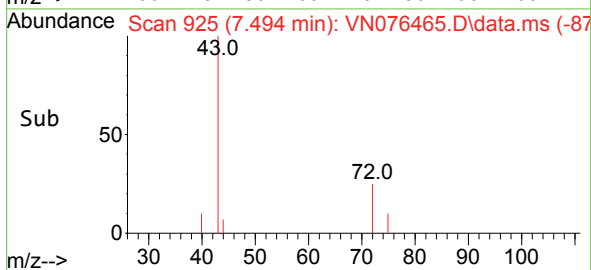
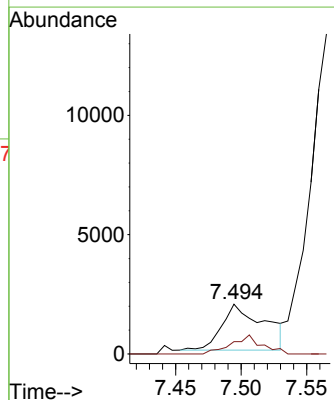
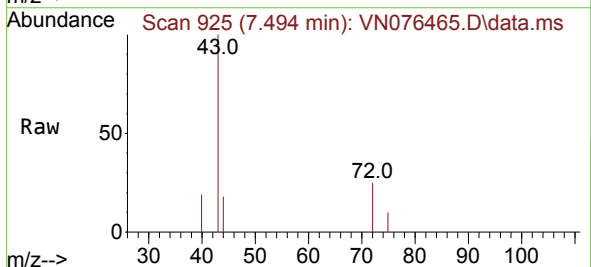


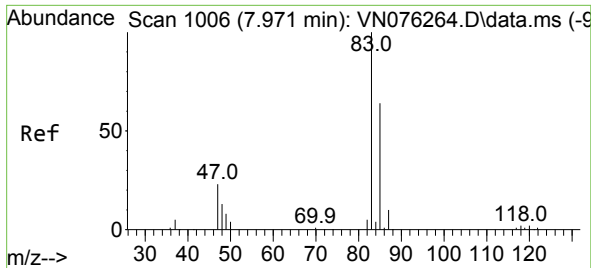
Tgt Ion: 84	Resp: 37866
Ion Ratio	Lower Upper
84 100	
49 109.4	84.5 126.7
51 31.6	26.0 39.0
86 61.2	52.0 78.0



#25
2-Butanone
Concen: 1.709 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Tgt Ion: 43	Resp: 4309		
Ion Ratio	Lower	Upper	
43 100			
72 26.7	27.4	41.2#	

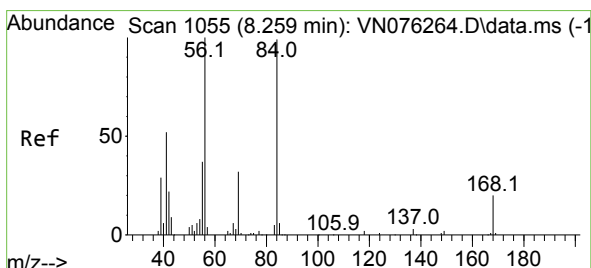
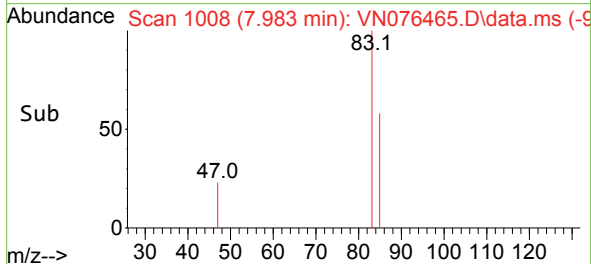
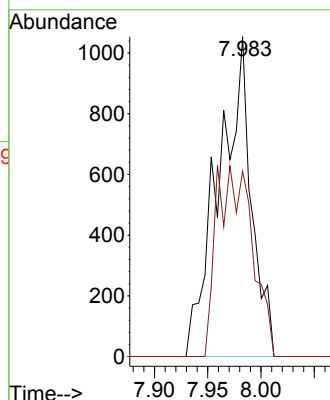
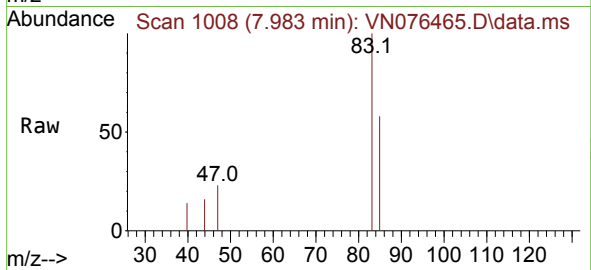




#30
Chloroform
Concen: 0.252 ug/l
RT: 7.983 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

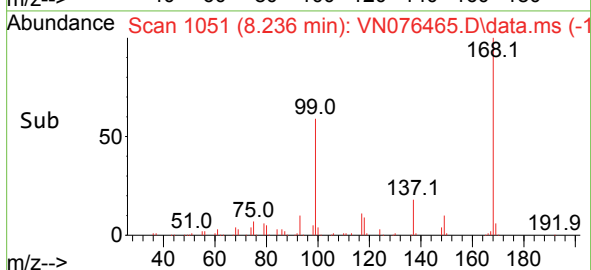
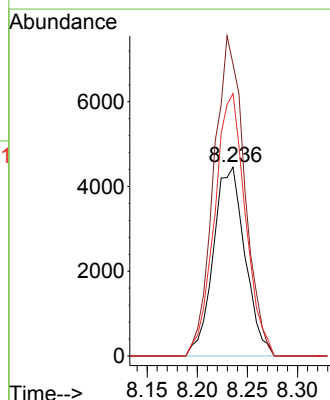
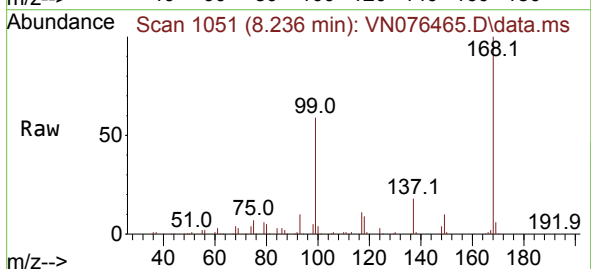
Instrument :
MSVOA_N
ClientSampleId :

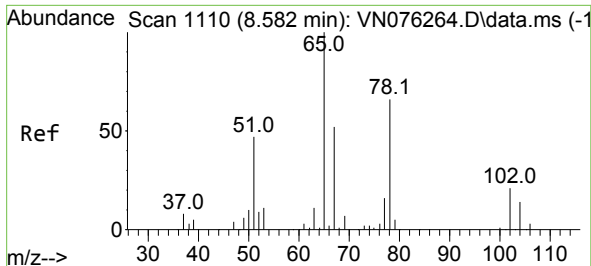
Tgt Ion: 83 Resp: 2248
Ion Ratio Lower Upper
83 100
85 58.0 51.0 76.6



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Tgt Ion: 56 Resp: 9808
Ion Ratio Lower Upper
56 100
69 154.6 25.8 38.8#
84 139.0 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 54.230 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076465.D

Acq: 30 Jan 2023 18:29

Instrument :

MSVOA_N

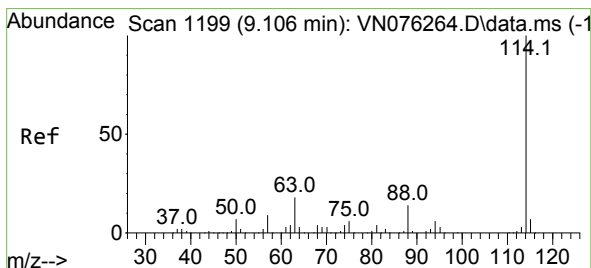
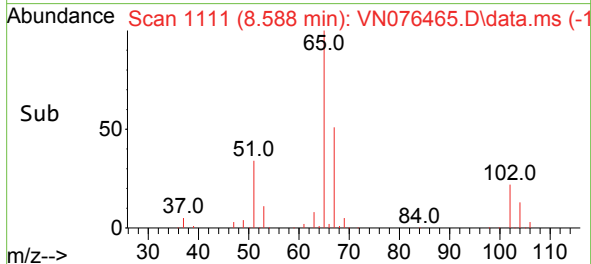
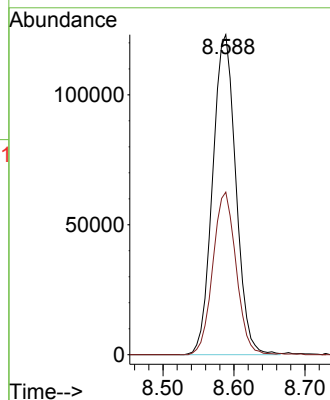
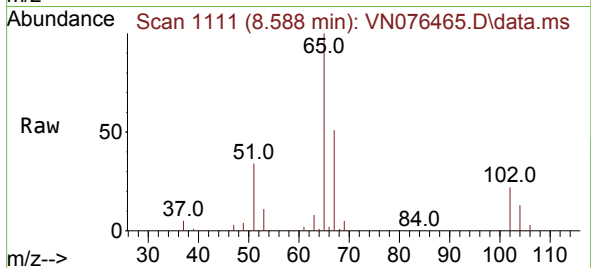
ClientSampleId :

Tgt Ion: 65 Resp: 279206

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: VN076465.D

Acq: 30 Jan 2023 18:29

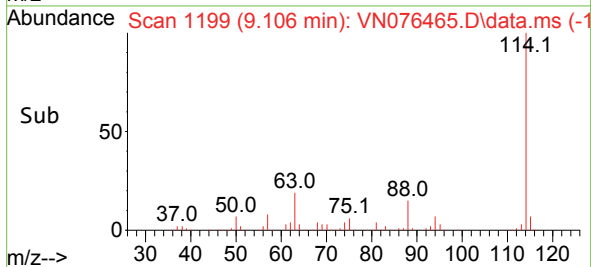
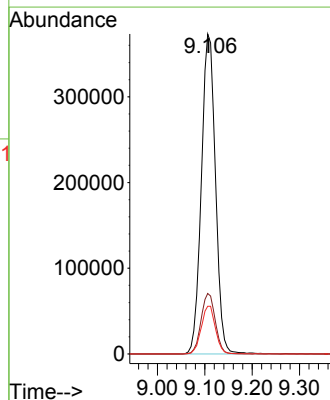
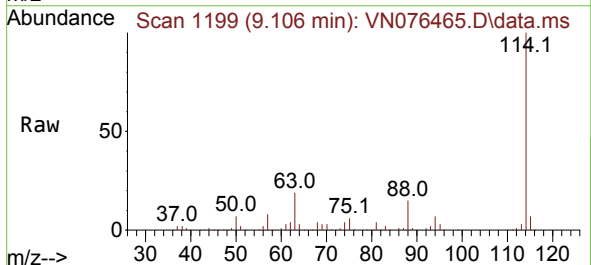
Tgt Ion: 114 Resp: 773829

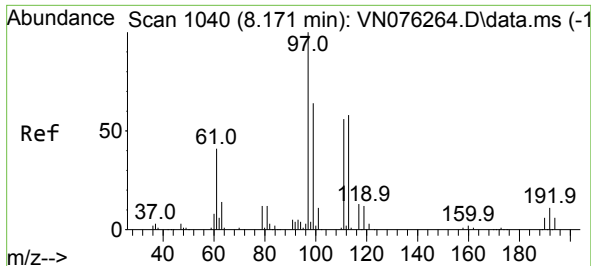
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.8

88 14.9 0.0 28.0





#35

Dibromofluoromethane

Concen: 48.737 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

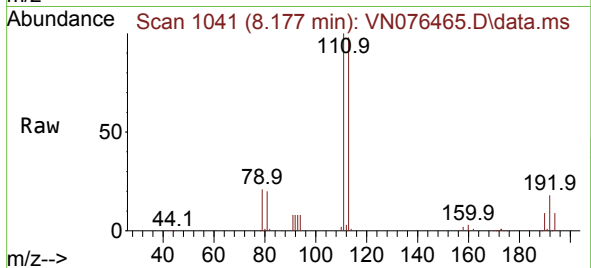
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Acq: 30 Jan 2023 18:29

Instrument :

MSVOA_N

ClientSampleId :



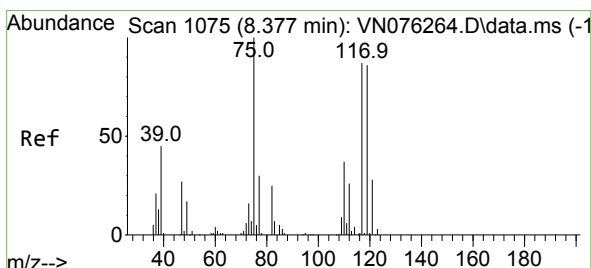
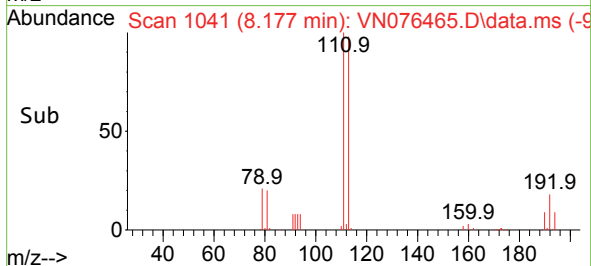
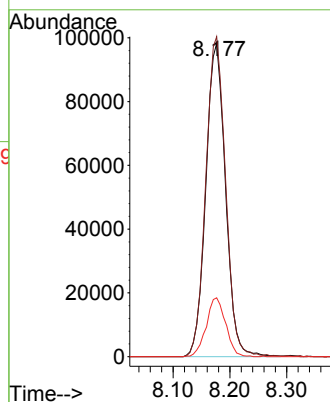
Tgt Ion:113 Resp: 235918

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

192 18.6 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.129 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076465.D

Acq: 30 Jan 2023 18:29

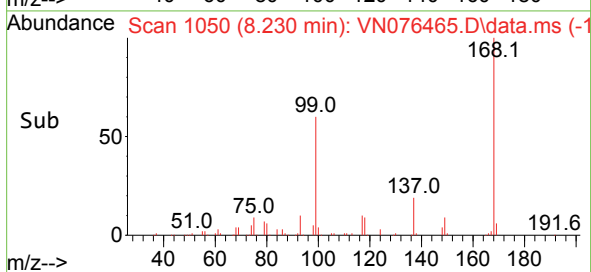
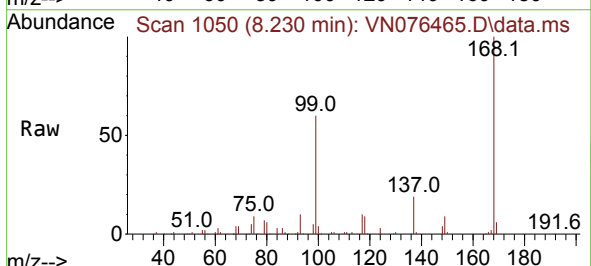
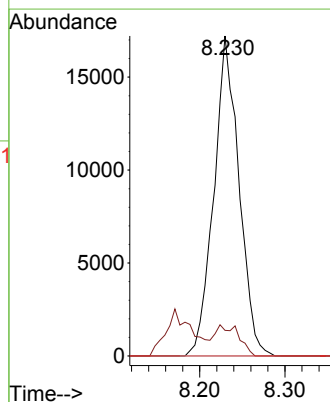
Tgt Ion: 75 Resp: 35276

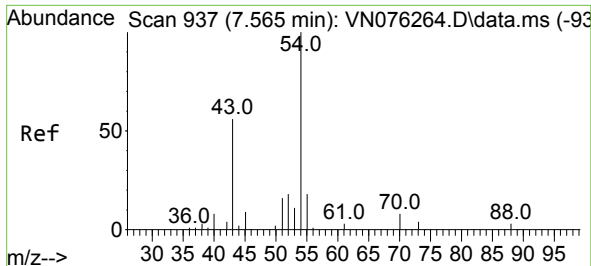
Ion Ratio Lower Upper

75 100

110 9.0 18.8 56.3#

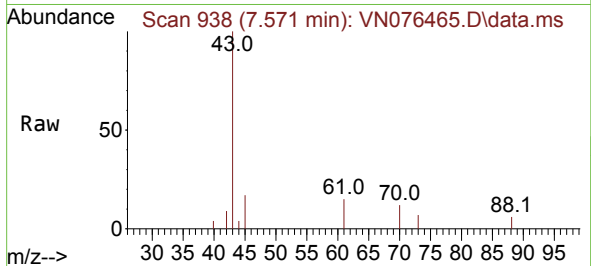
77 0.0 25.0 37.4#



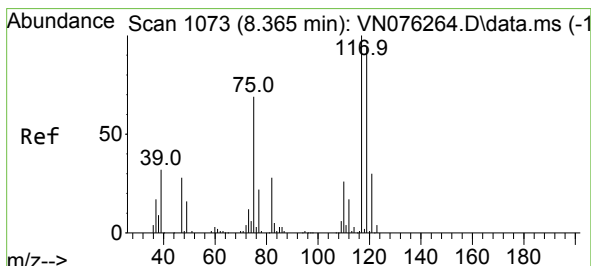
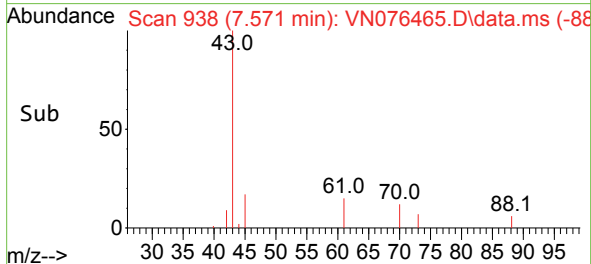
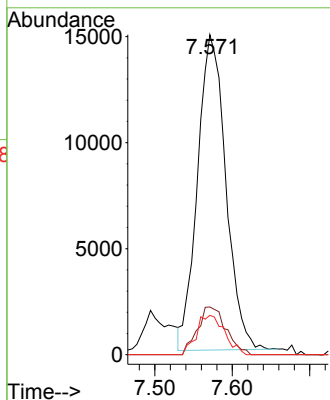


#37
Ethyl Acetate
Concen: 6.881 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :

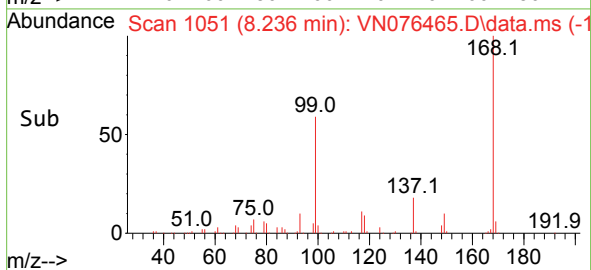
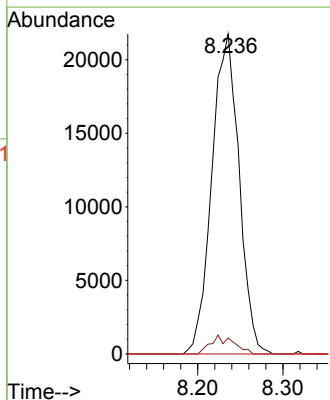
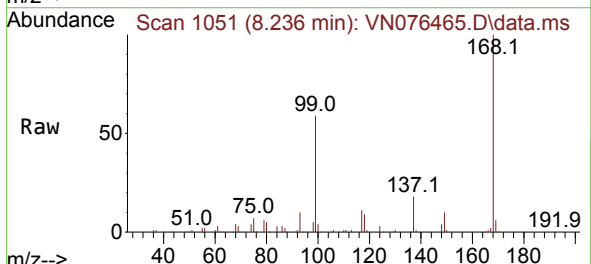


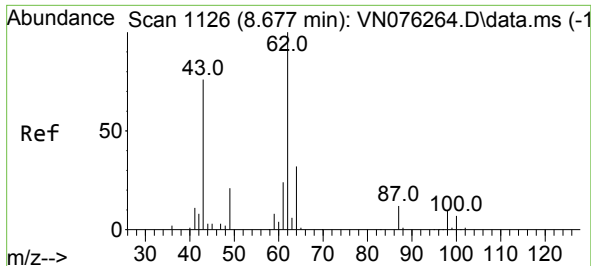
Tgt Ion: 43 Resp: 37790
Ion Ratio Lower Upper
43 100
61 15.3 11.1 16.7
70 12.3 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.299 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Tgt Ion: 117 Resp: 48320
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.0#
121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.281 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.011 min

Lab File: VN076465.D

Acq: 30 Jan 2023 18:29

Instrument :

MSVOA_N

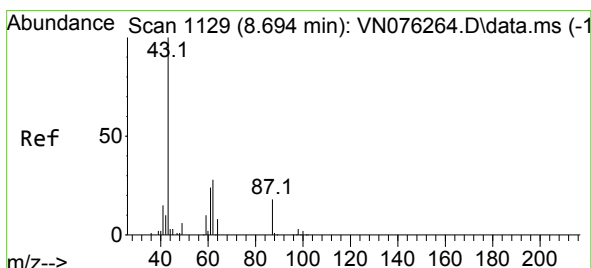
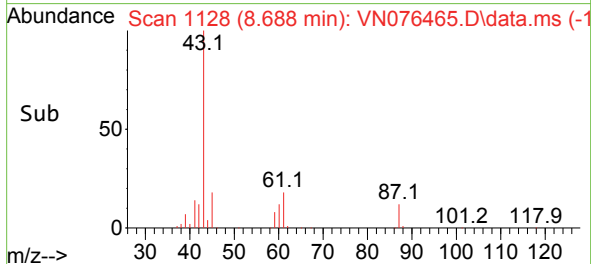
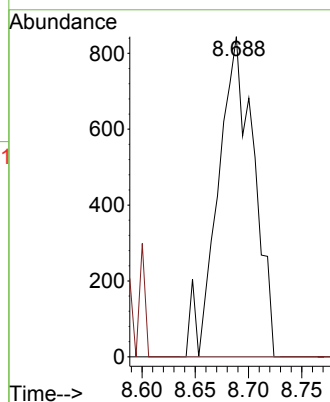
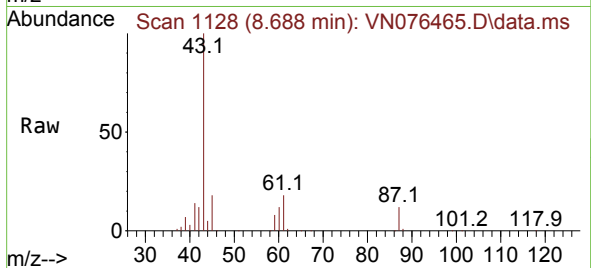
ClientSampleId :

Tgt Ion: 62 Resp: 1975

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#43

Isopropyl Acetate

Concen: 39.761 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076465.D

Acq: 30 Jan 2023 18:29

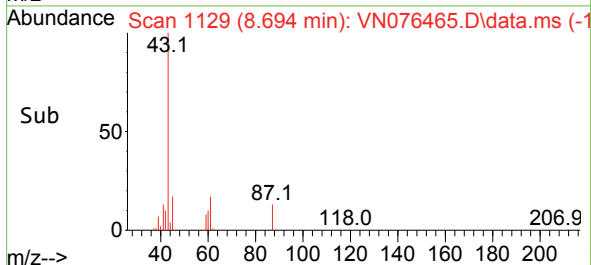
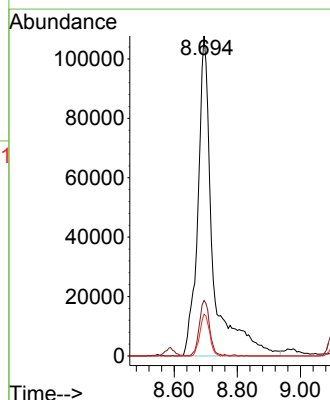
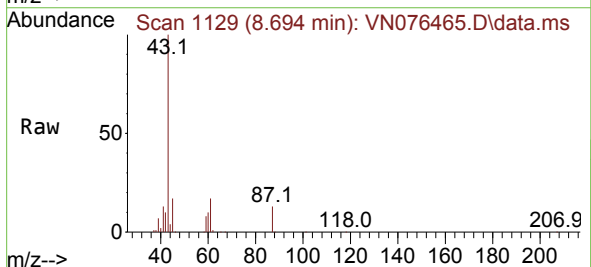
Tgt Ion: 43 Resp: 356865

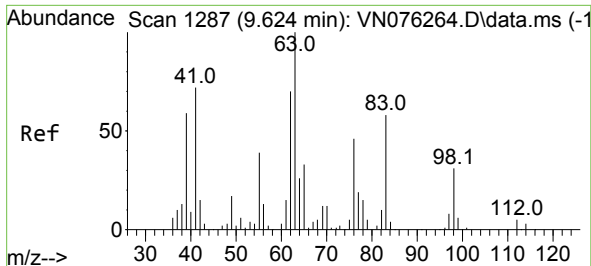
Ion Ratio Lower Upper

43 100

61 11.8 23.5 35.3#

87 8.4 13.8 20.6#





#45

1,2-Dichloropropane

Concen: 0.504 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN076465.D

Acq: 30 Jan 2023 18:29

Instrument :

MSVOA_N

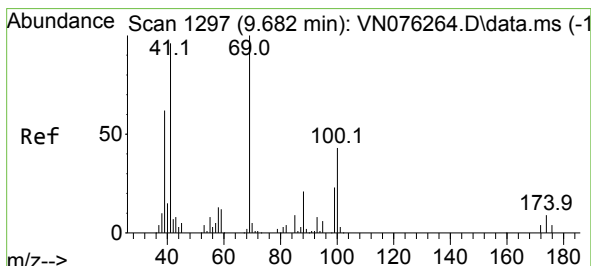
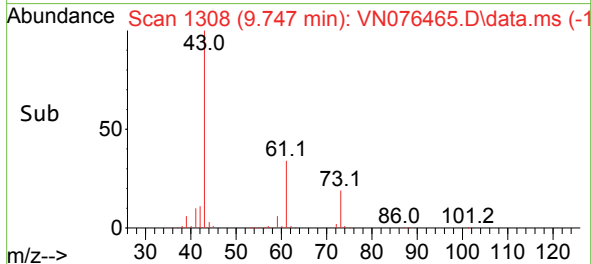
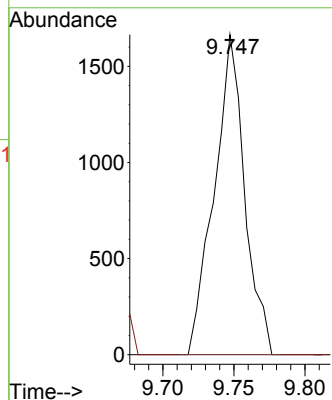
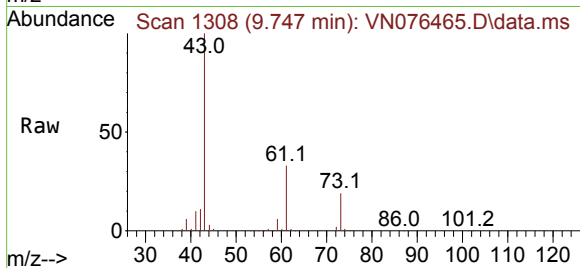
ClientSampleId :

Tgt Ion: 63 Resp: 2482

Ion Ratio Lower Upper

63 100

65 0.0 26.4 39.6#



#48

Methyl methacrylate

Concen: 1.275 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN076465.D

Acq: 30 Jan 2023 18:29

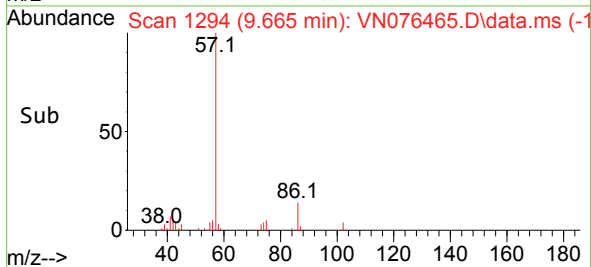
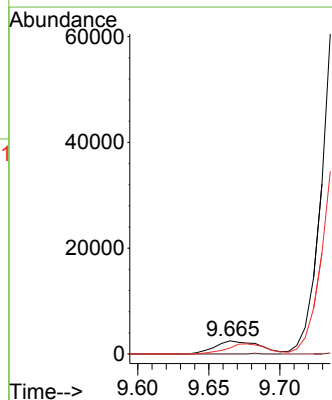
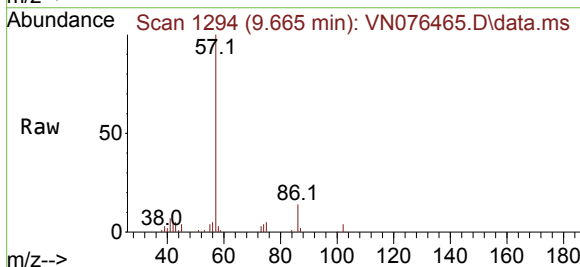
Tgt Ion: 41 Resp: 5417

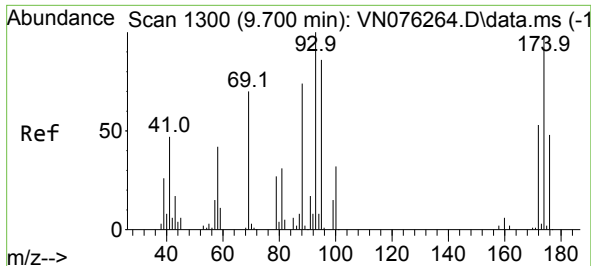
Ion Ratio Lower Upper

41 100

69 1.0 80.8 121.2#

39 69.5 54.4 81.6

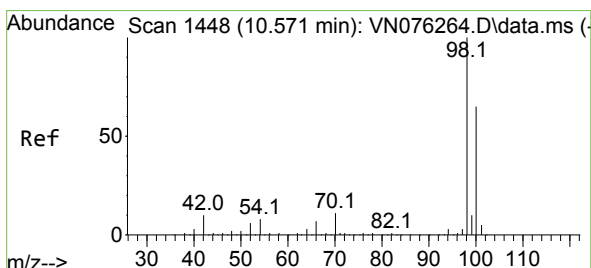
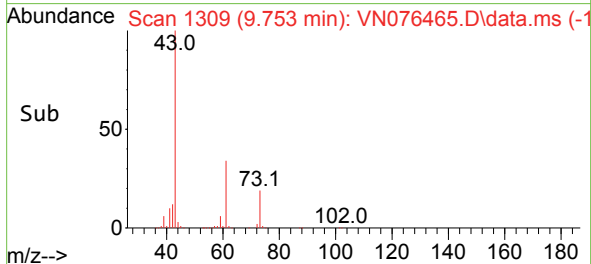
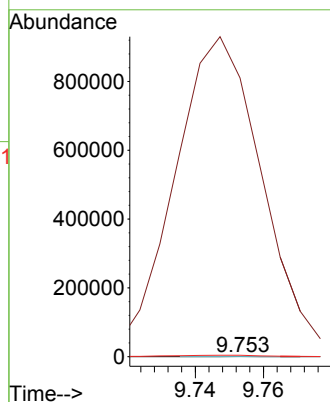
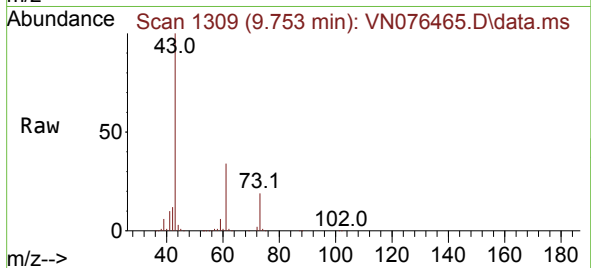




#49
1,4-Dioxane
Concen: 2.186 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.053 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

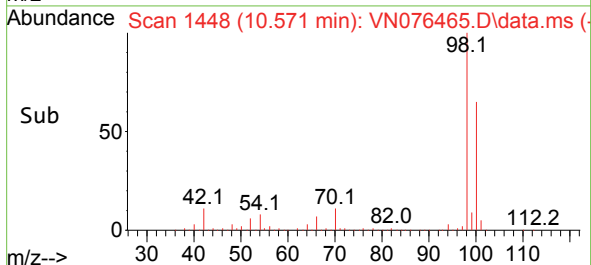
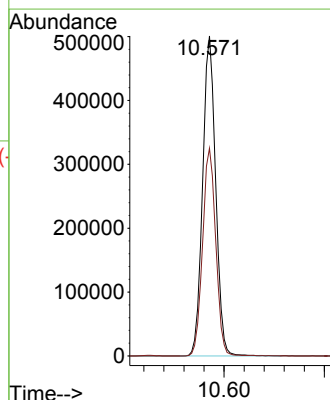
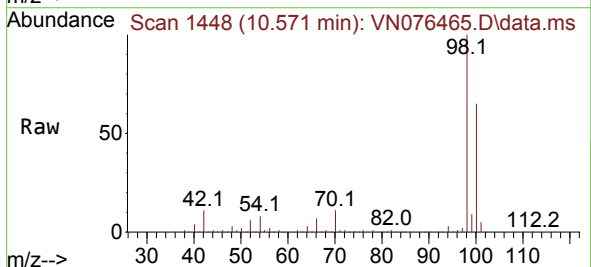
Instrument :
MSVOA_N
ClientSampleId :

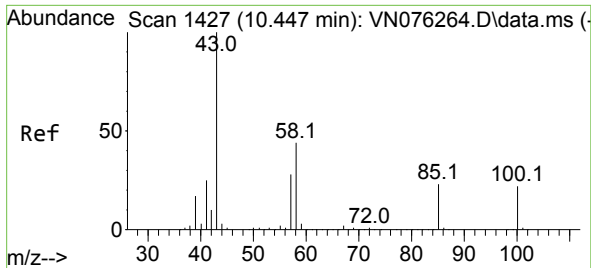
Tgt Ion: 88 Resp: 196
Ion Ratio Lower Upper
88 100
43 863585.2 18.1 27.1#
58 4524.0 46.5 69.7#



#50
Toluene-d8
Concen: 50.485 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Tgt Ion: 98 Resp: 902523
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

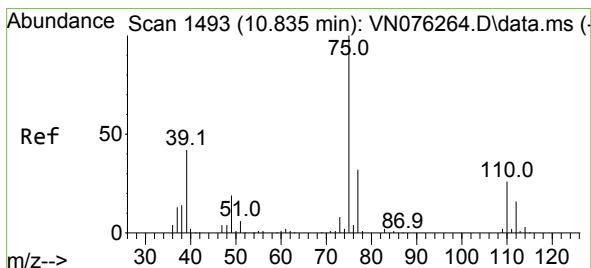
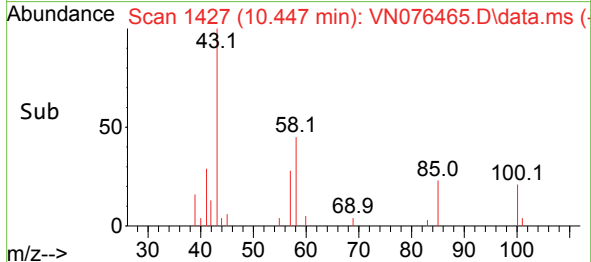
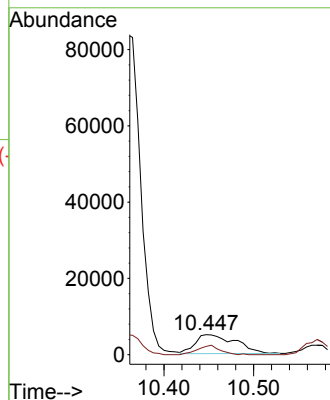
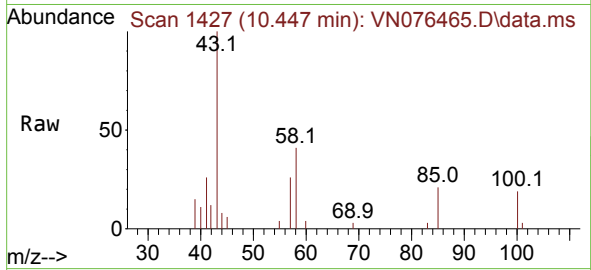




#51
4-Methyl-2-Pentanone
Concen: 2.957 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

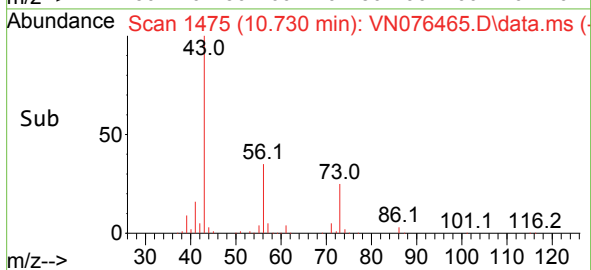
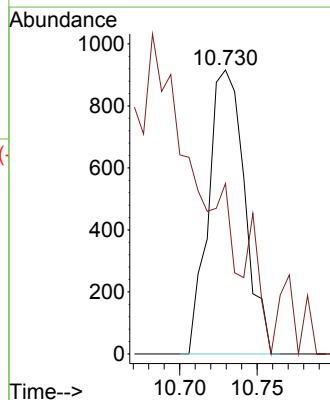
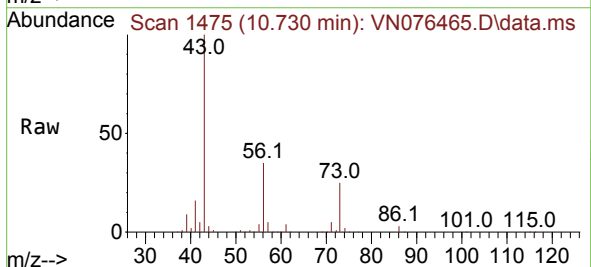
Instrument :
MSVOA_N
ClientSampleId :

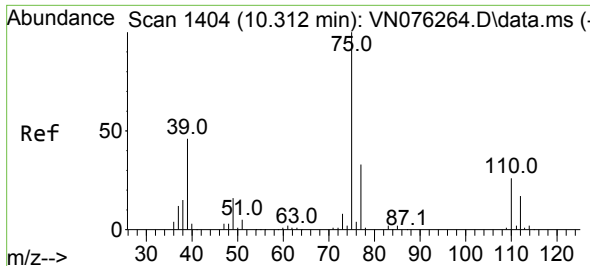
Tgt Ion: 43 Resp: 15578
Ion Ratio Lower Upper
43 100
58 27.4 35.1 52.7#



#53
t-1,3-Dichloropropene
Concen: 0.216 ug/l
RT: 10.730 min Scan# 1475
Delta R.T. -0.105 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Tgt Ion: 75 Resp: 1487
Ion Ratio Lower Upper
75 100
77 39.3 25.8 38.6#

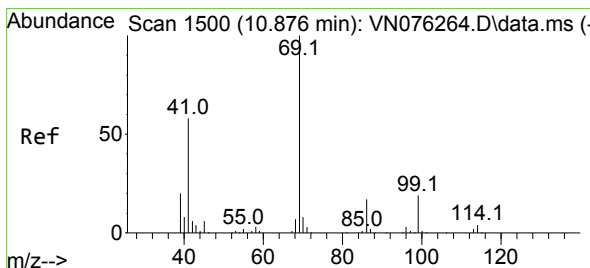
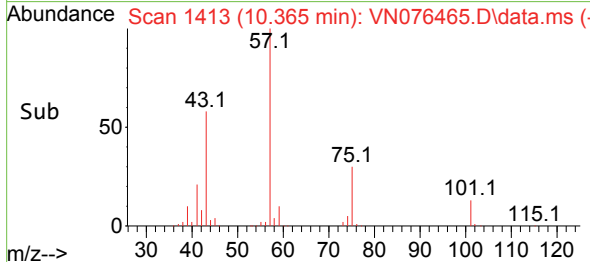
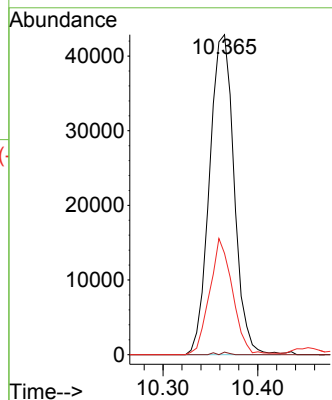
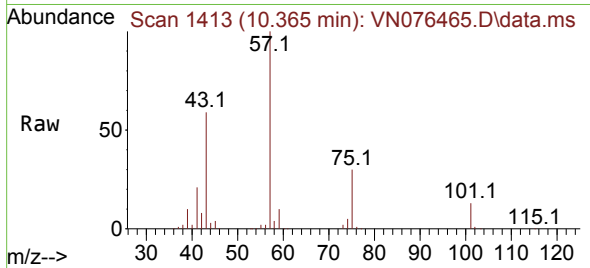




#54
 cis-1,3-Dichloropropene
 Concen: 9.754 ug/l
 RT: 10.365 min Scan# 1404
 Delta R.T. 0.053 min
 Lab File: VN076465.D
 Acq: 30 Jan 2023 18:29

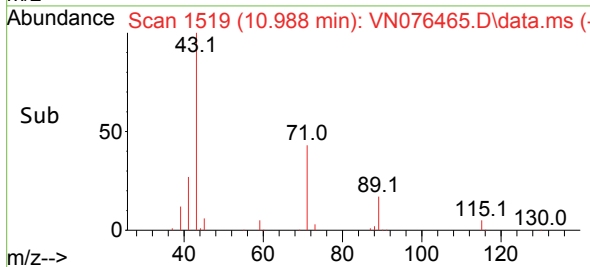
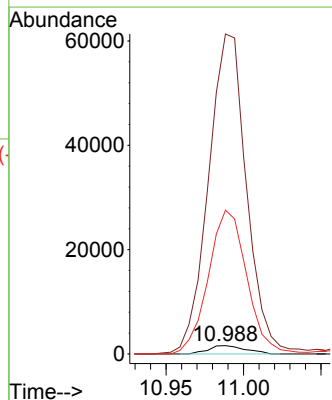
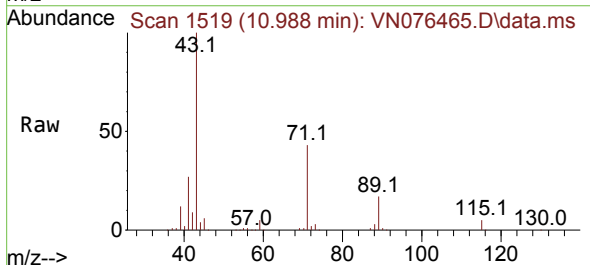
Instrument :
 MSVOA_N
 ClientSampleId :

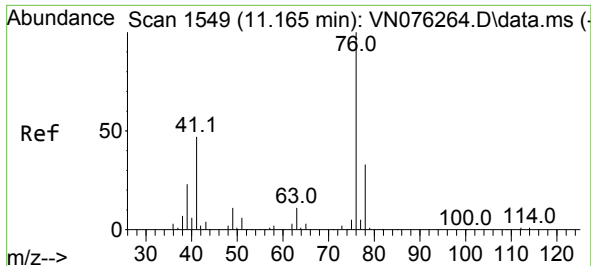
Tgt Ion: 75 Resp: 77142
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.5 39.7#
 39 31.7 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 0.389 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.112 min
 Lab File: VN076465.D
 Acq: 30 Jan 2023 18:29

Tgt Ion: 69 Resp: 2638
 Ion Ratio Lower Upper
 69 100
 41 3989.3 45.3 67.9#
 39 1806.9 29.3 43.9#





#57

1,3-Dichloropropane

Concen: 1.201 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076465.D

Acq: 30 Jan 2023 18:29

Instrument :

MSVOA_N

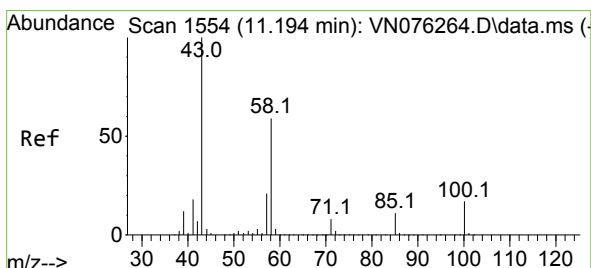
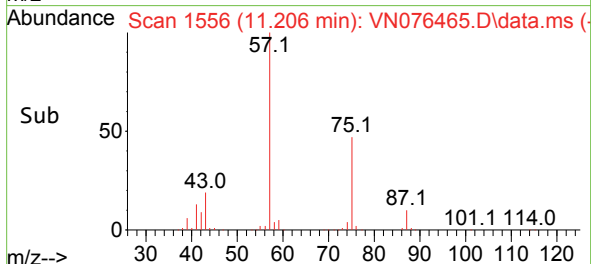
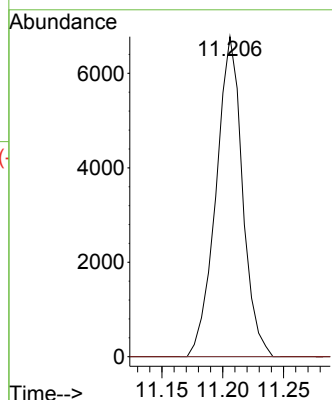
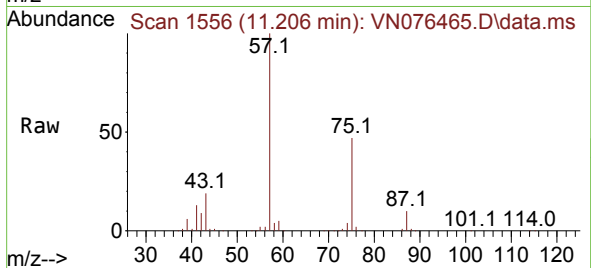
ClientSampleId :

Tgt Ion: 76 Resp: 10257

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



#59

2-Hexanone

Concen: 47.288 ug/l

RT: 11.177 min Scan# 1551

Delta R.T. -0.017 min

Lab File: VN076465.D

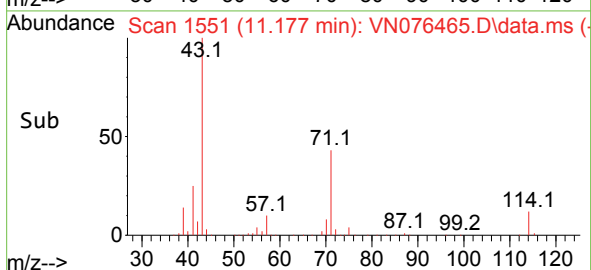
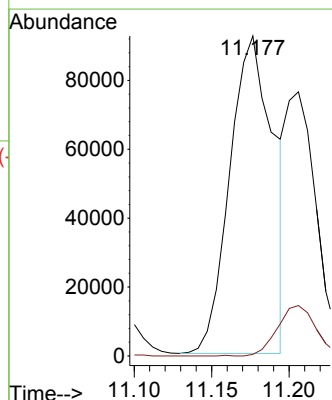
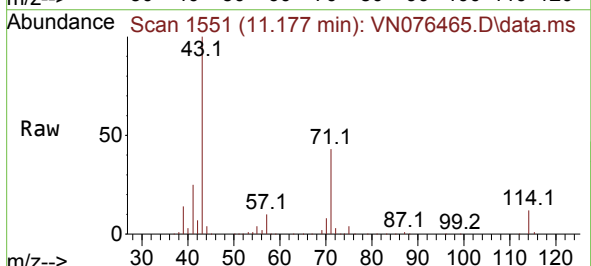
Acq: 30 Jan 2023 18:29

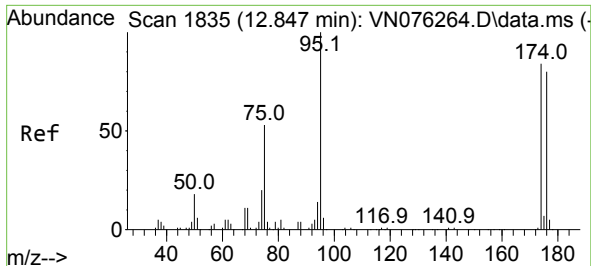
Tgt Ion: 43 Resp: 180549

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.3#

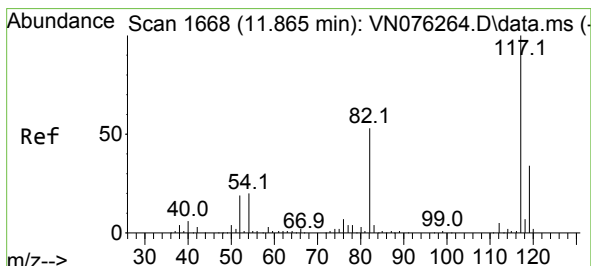
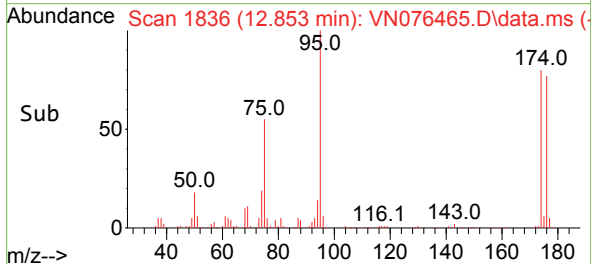
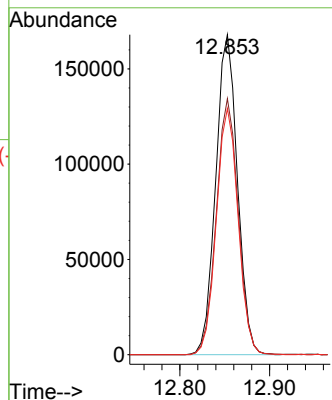
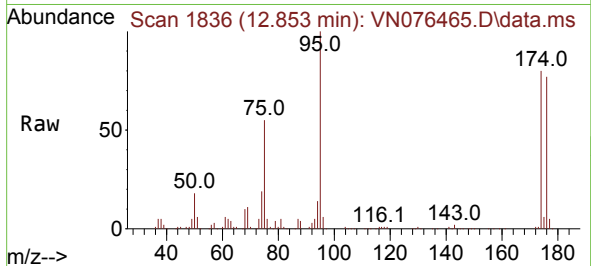




#62
4-Bromofluorobenzene
Concen: 48.407 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

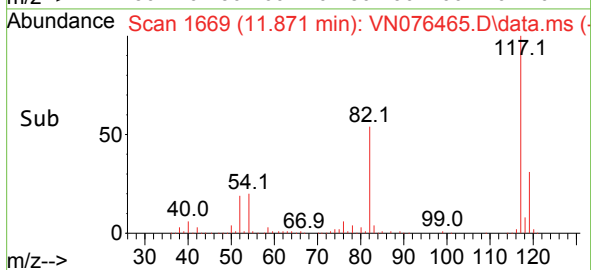
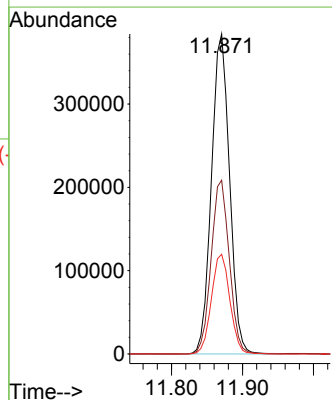
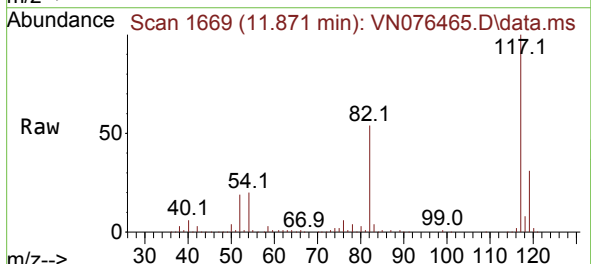
Instrument :
MSVOA_N
ClientSampleId :

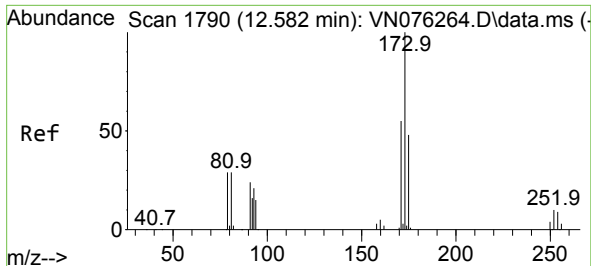
Tgt Ion: 95 Resp: 282503
Ion Ratio Lower Upper
95 100
174 80.9 0.0 174.6
176 77.1 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

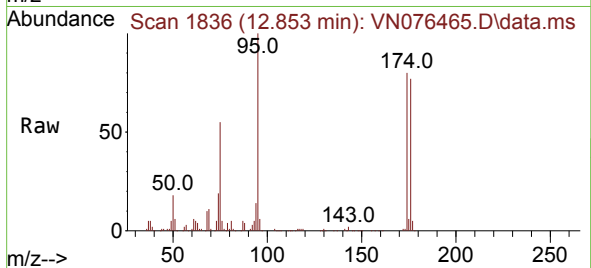
Tgt Ion: 117 Resp: 679469
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.2
119 31.1 26.9 40.3



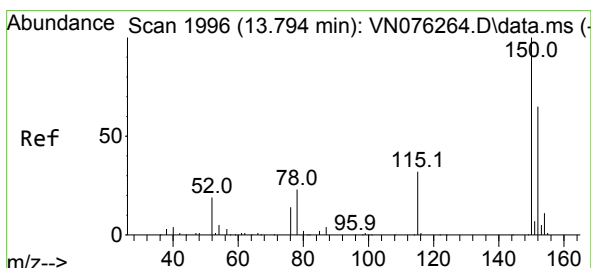
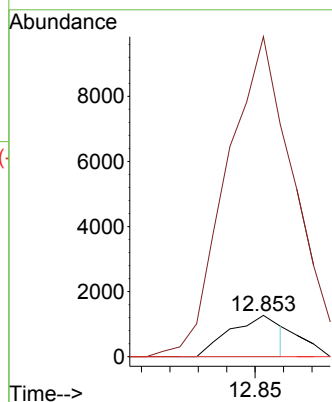
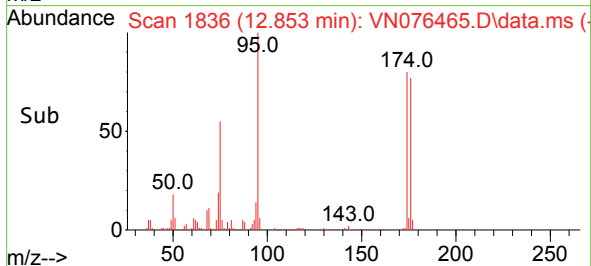


#71
Bromoform
Concen: 0.408 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :

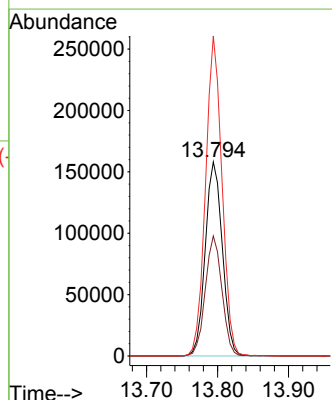
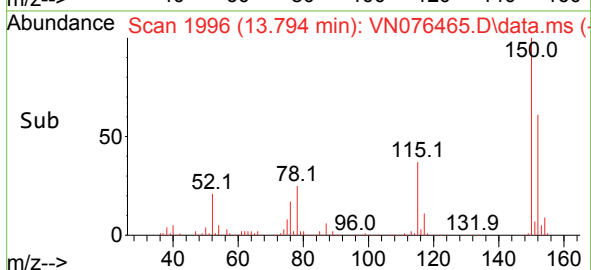
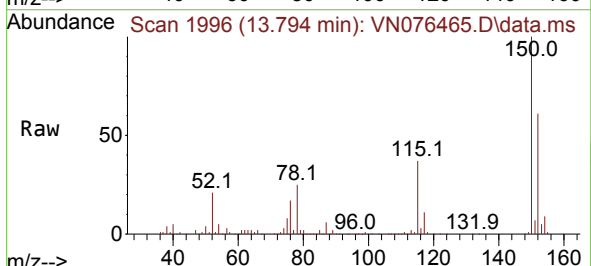


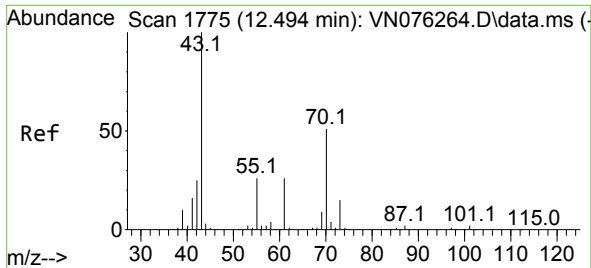
Tgt Ion:173 Resp: 1574
Ion Ratio Lower Upper
173 100
175 819.9 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

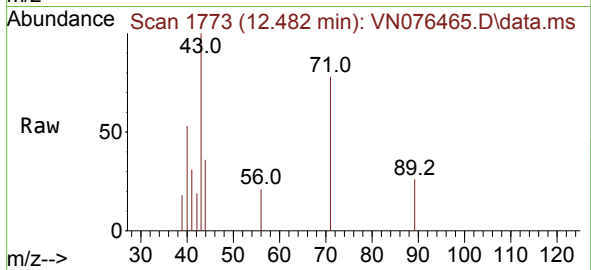
Tgt Ion:152 Resp: 264973
Ion Ratio Lower Upper
152 100
115 60.0 29.6 88.9
150 158.2 0.0 351.4



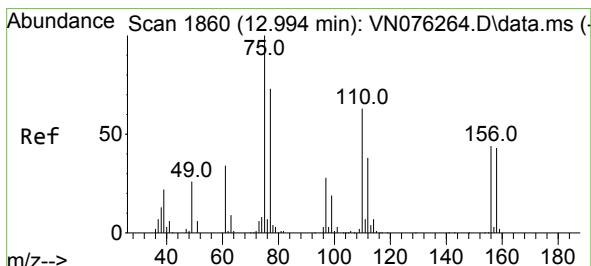
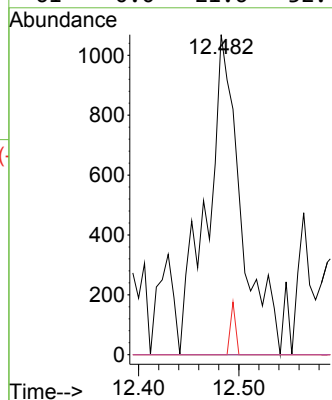
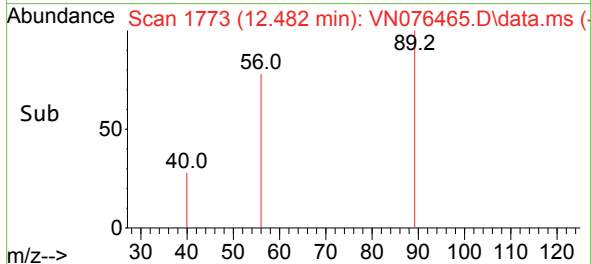


#74
N-amy1 acetate
Concen: 0.432 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :

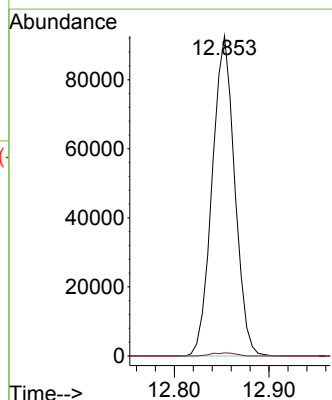
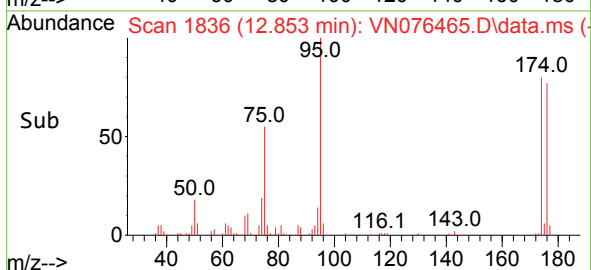
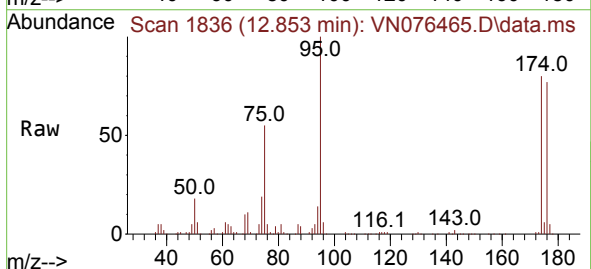


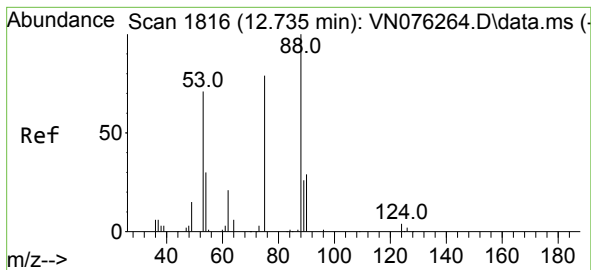
Tgt Ion: 43	Resp: 2548
Ion Ratio	Lower Upper
43	100
70	0.0 41.2 61.8#
55	0.0 21.0 31.6#
61	0.0 21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 31.386 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Tgt Ion: 75	Resp: 153209
Ion Ratio	Lower Upper
75	100
77	1.0 75.2 225.6#

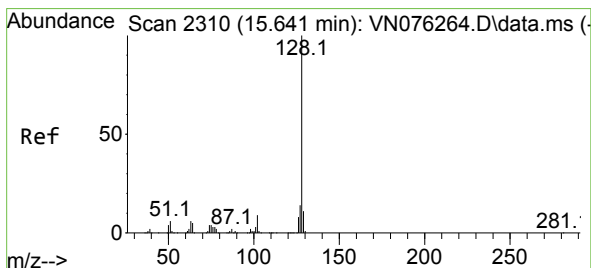
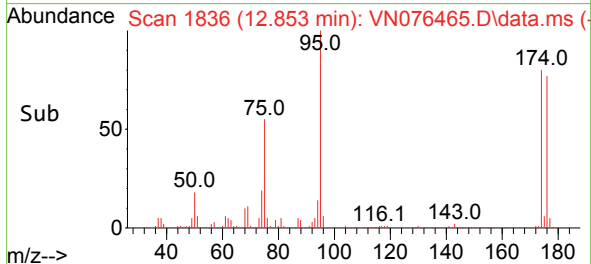
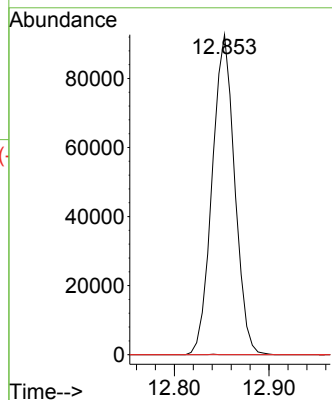
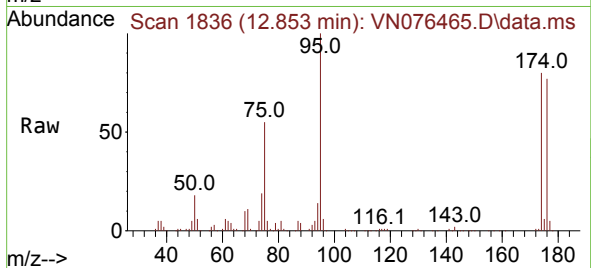




#81
trans-1,4-Dichloro-2-butene
Concen: 96.204 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 153209
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 2.010 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076465.D
Acq: 30 Jan 2023 18:29

Tgt Ion:128 Resp: 2447
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 6.0 8.6 13.0#

