

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079930.D
 Acq On : 06 Nov 2023 18:09
 Operator : JC\MD
 Sample : PB156885ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:52:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

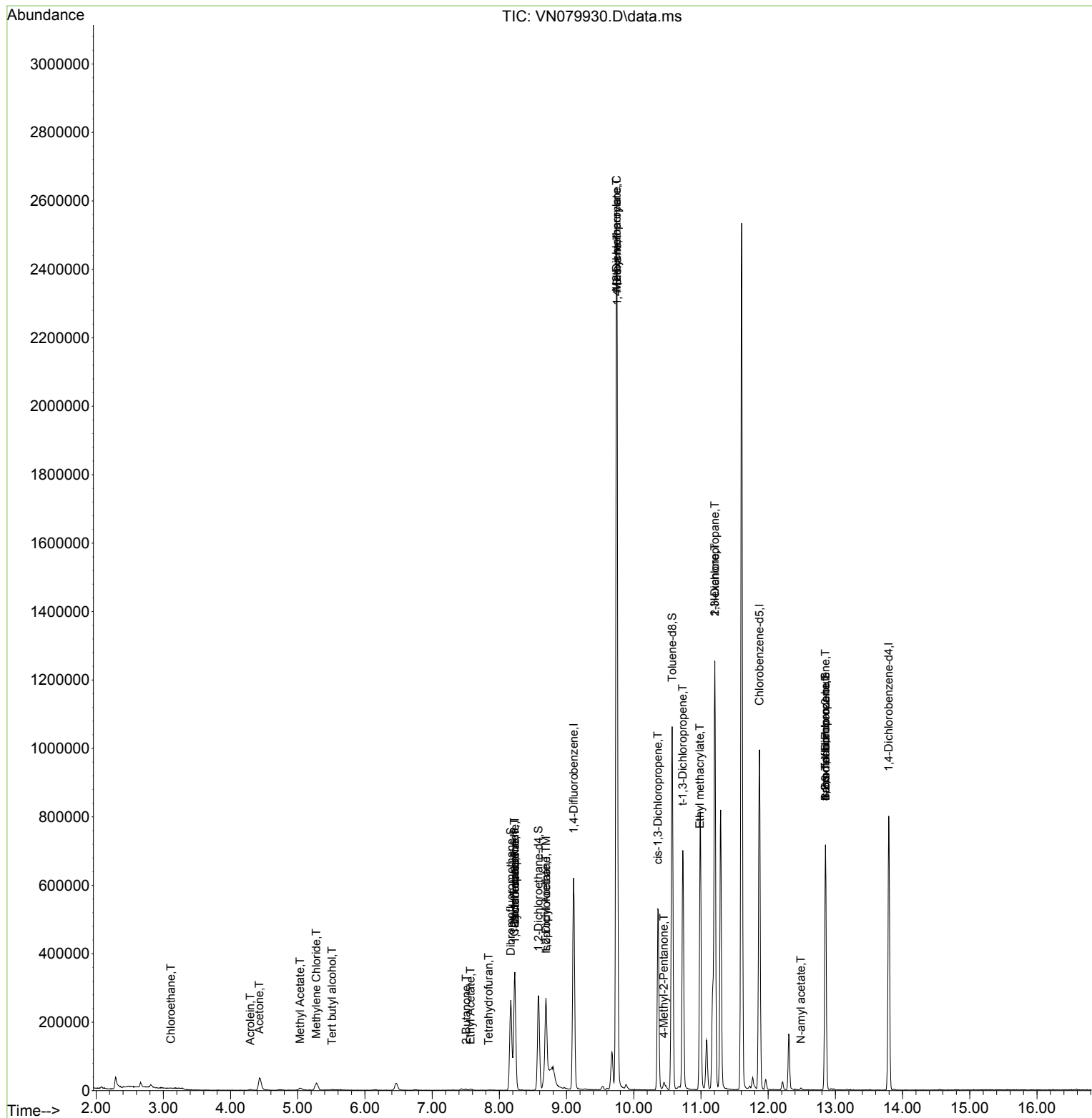
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	233548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	506159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	548585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	203553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	223115	62.705	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.400%#	
35) Dibromofluoromethane	8.171	113	185955	51.908	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.820%	
50) Toluene-d8	10.571	98	705683	53.509	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.020%	
62) 4-Bromofluorobenzene	12.853	95	235856	53.924	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.840%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1331	Below Cal	#	71
6) Chloroethane	3.112	64	732	0.252	ug/l	95
11) Tert butyl alcohol	5.512	59	691	1.521	ug/l	# 72
13) Acrolein	4.294	56	112	2.838	ug/l	# 80
16) Acetone	4.430	43	69218	55.381	ug/l	98
18) Methyl Acetate	5.036	43	13837	2.314	ug/l	# 74
20) Methylene Chloride	5.277	84	16098	5.104	ug/l	# 78
25) 2-Butanone	7.506	43	5975	3.265	ug/l	# 65
29) Tetrahydrofuran	7.841	42	569	0.478	ug/l	# 28
31) Cyclohexane	8.229	56	6287	1.337	ug/l	# 41
36) 1,1-Dichloropropene	8.235	75	21469	4.197	ug/l	# 48
37) Ethyl Acetate	7.571	43	6627	1.413	ug/l	# 82
38) Carbon Tetrachloride	8.224	117	25083	4.866	ug/l	# 15
42) 1,2-Dichloroethane	8.694	62	2023	0.378	ug/l	# 73
43) Isopropyl Acetate	8.694	43	339953	41.323	ug/l	# 73
45) 1,2-Dichloropropane	9.747	63	3078	0.786	ug/l	# 45
48) Methyl methacrylate	9.747	41	238598	66.214	ug/l	# 28
49) 1,4-Dioxane	9.753	88	225	3.534	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	22551	4.869	ug/l	# 69
53) t-1,3-Dichloropropene	10.729	75	1895	0.339	ug/l	# 72
54) cis-1,3-Dichloropropene	10.359	75	89623	14.711	ug/l	# 74
56) Ethyl methacrylate	10.982	69	4039	0.775	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	11588	1.800	ug/l	# 42
59) 2-Hexanone	11.206	43	155761	43.961	ug/l	# 47
71) Bromoform	12.853	173	1564	0.514	ug/l	# 1
74) N-amyl acetate	12.488	43	2130	0.316	ug/l	# 36
76) 1,2,3-Trichloropropane	12.853	75	130653	27.340	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	130653	74.386	ug/l	# 15

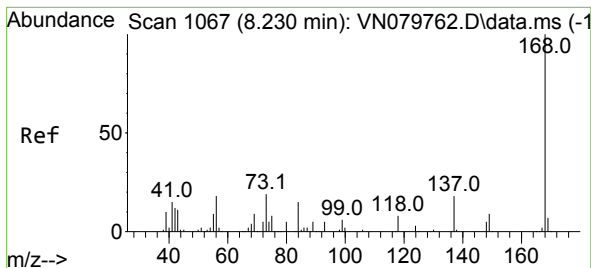
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. 0.001 min

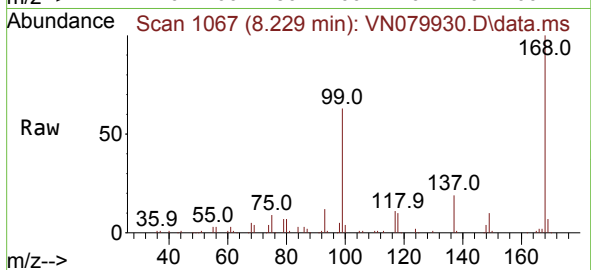
Lab File: VN079930.D

Acq: 06 Nov 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :

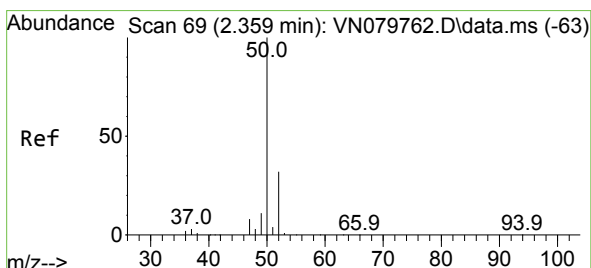
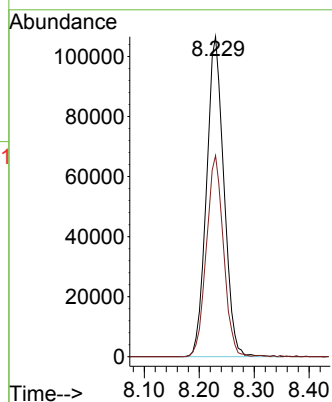
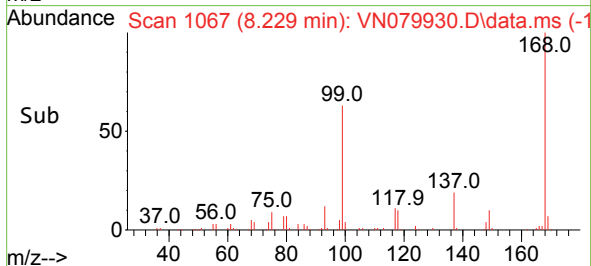


Tgt Ion:168 Resp: 233548

Ion Ratio Lower Upper

168 100

99 62.9 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079930.D

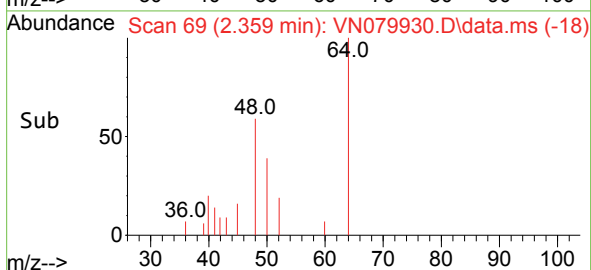
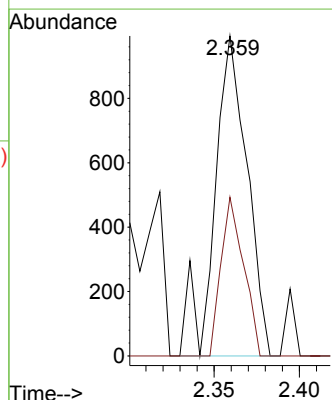
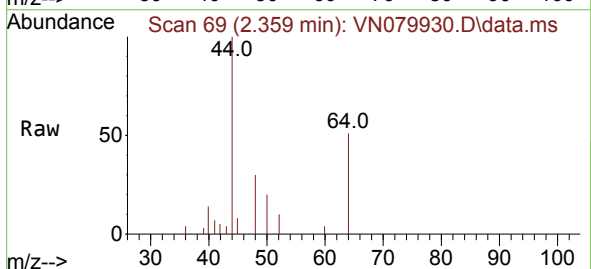
Acq: 06 Nov 2023 18:09

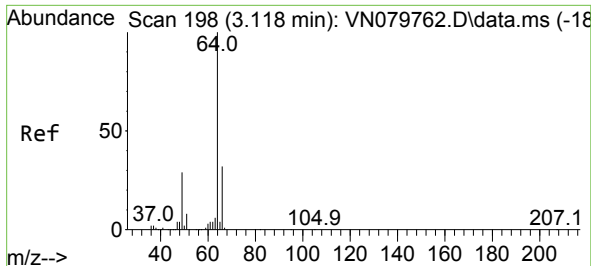
Tgt Ion: 50 Resp: 1331

Ion Ratio Lower Upper

50 100

52 49.6 26.5 39.7#

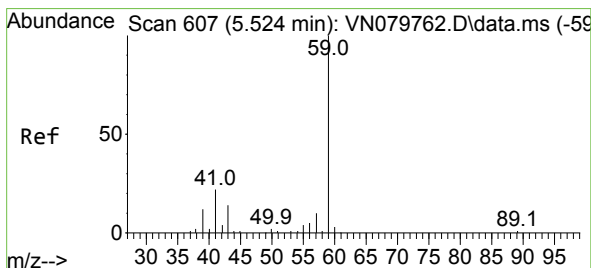
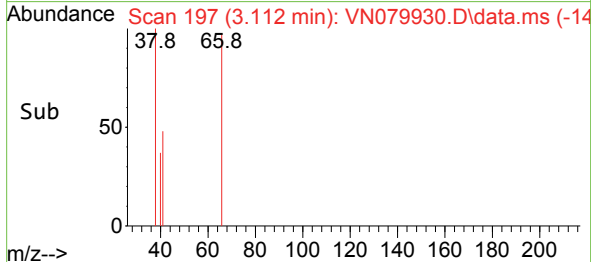
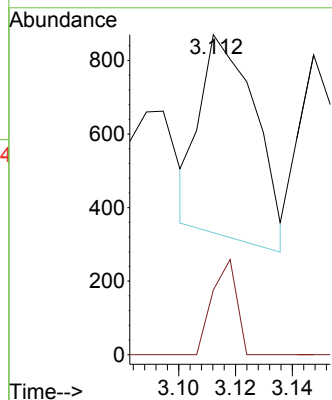
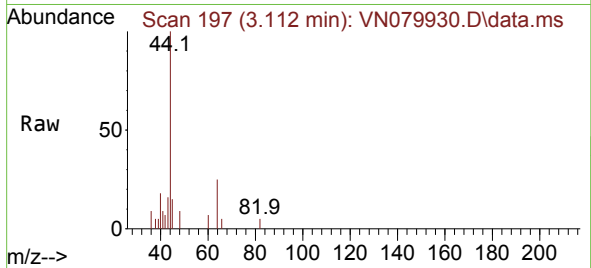




#6
Chloroethane
Concen: 0.252 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

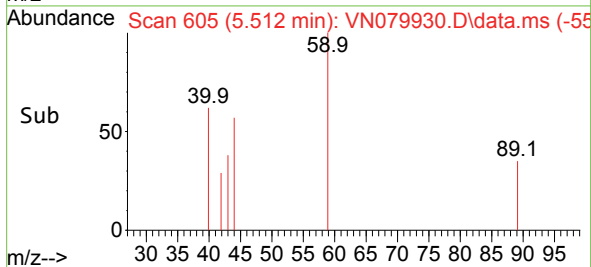
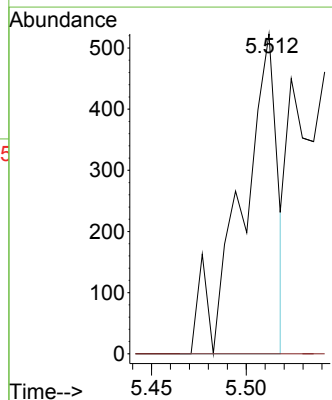
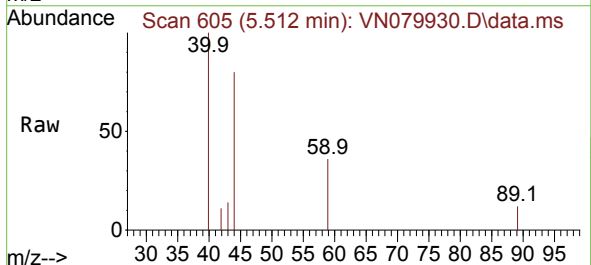
Instrument :
MSVOA_N
ClientSampleId :

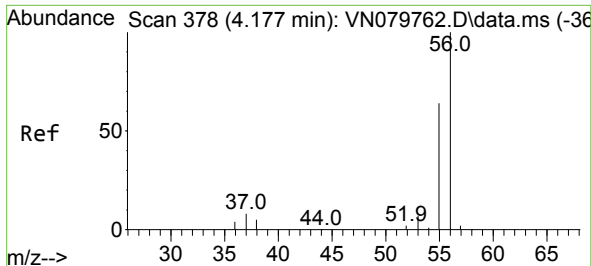
Tgt Ion: 64 Resp: 732
Ion Ratio Lower Upper
64 100
66 34.4 25.4 38.2



#11
Tert butyl alcohol
Concen: 1.521 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Tgt Ion: 59 Resp: 691
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 2.838 ug/l

RT: 4.294 min Scan# 398

Delta R.T. 0.111 min

Lab File: VN079930.D

Acq: 06 Nov 2023 18:09

Instrument :

MSVOA_N

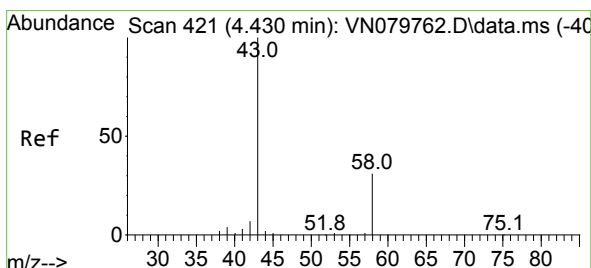
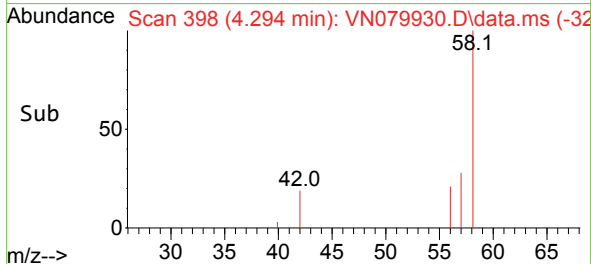
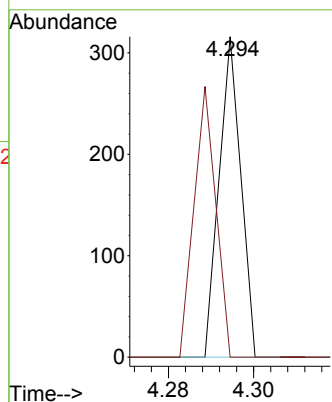
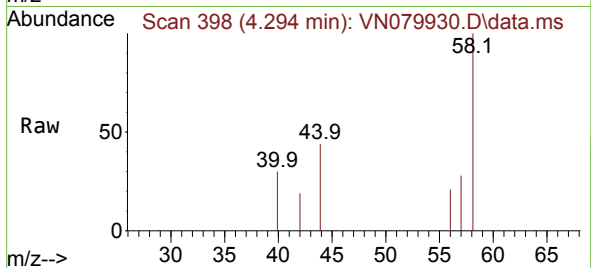
ClientSampleId :

Tgt Ion: 56 Resp: 112

Ion Ratio Lower Upper

56 100

55 83.9 54.5 81.7#



#16

Acetone

Concen: 55.381 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.000 min

Lab File: VN079930.D

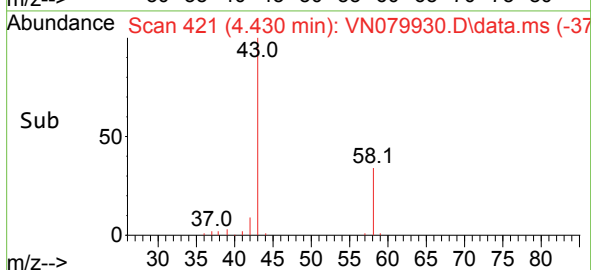
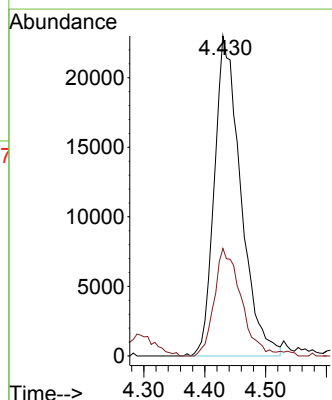
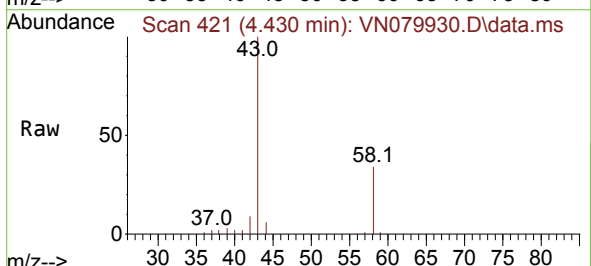
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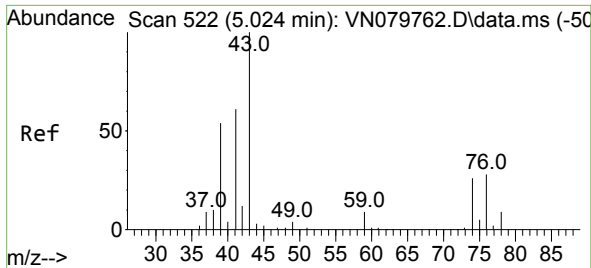
Tgt Ion: 43 Resp: 69218

Ion Ratio Lower Upper

43 100

58 33.6 28.0 42.0

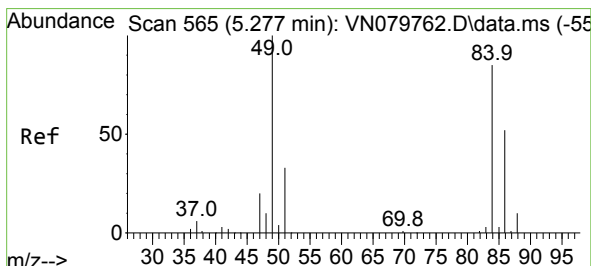
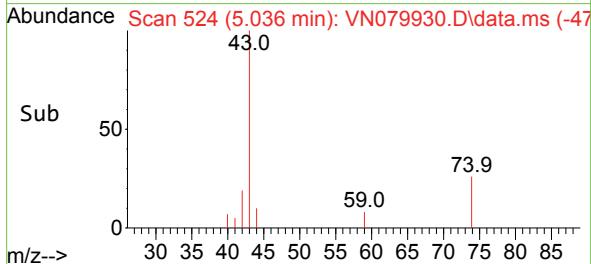
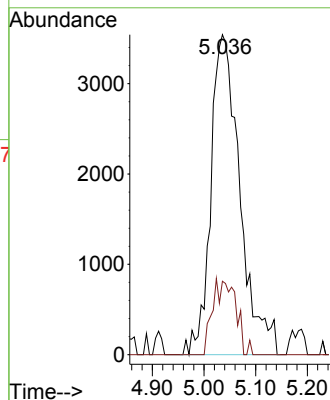
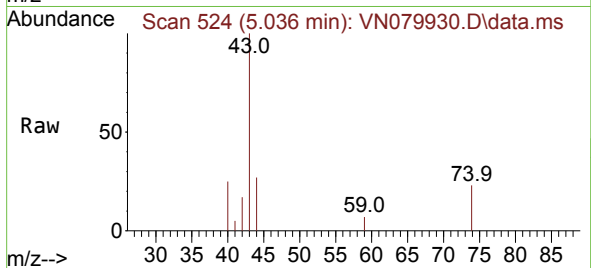




#18
Methyl Acetate
Concen: 2.314 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

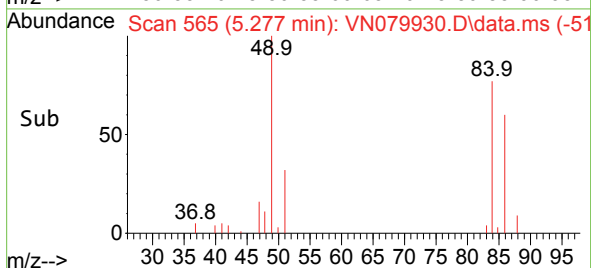
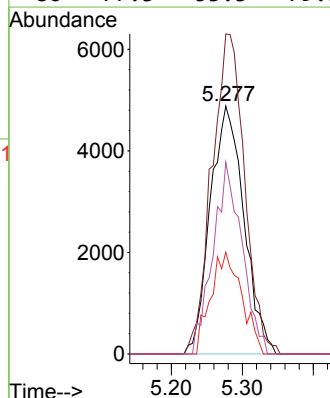
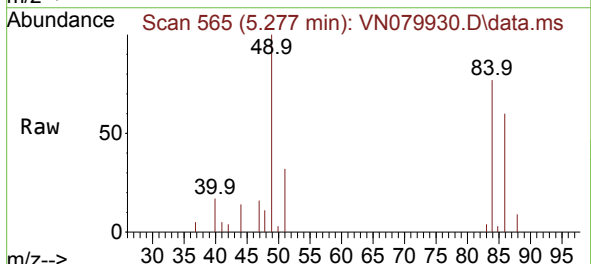
Instrument :
MSVOA_N
ClientSampleId :

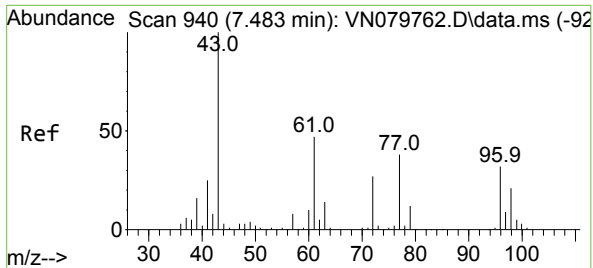
Tgt Ion: 43 Resp: 13837
Ion Ratio Lower Upper
43 100
74 18.4 26.2 39.4#



#20
Methylene Chloride
Concen: 5.104 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Tgt Ion: 84 Resp: 16098
Ion Ratio Lower Upper
84 100
49 129.2 79.7 119.5#
51 41.1 25.2 37.8#
86 77.3 53.3 79.9

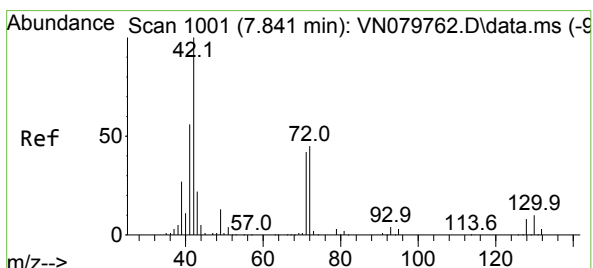
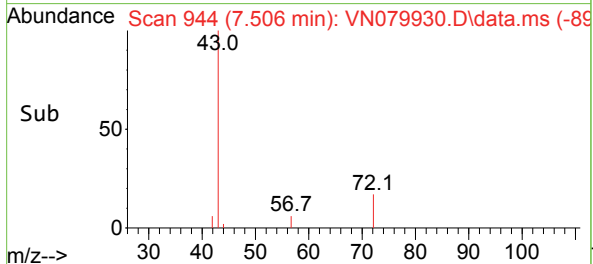
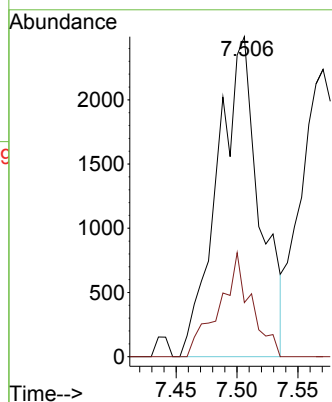
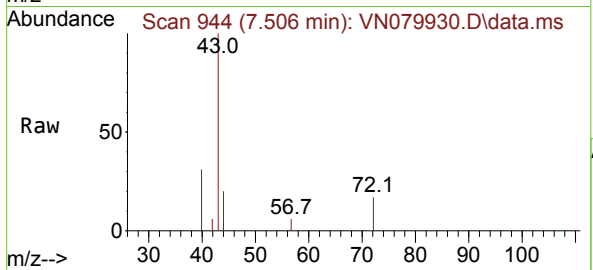




#25
2-Butanone
Concen: 3.265 ug/l
RT: 7.506 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

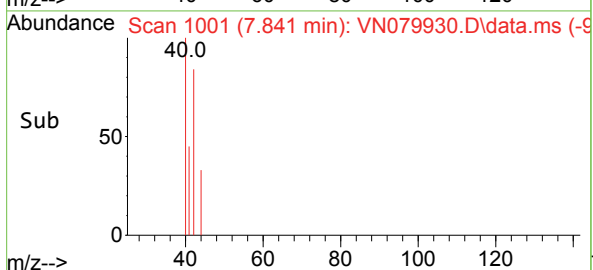
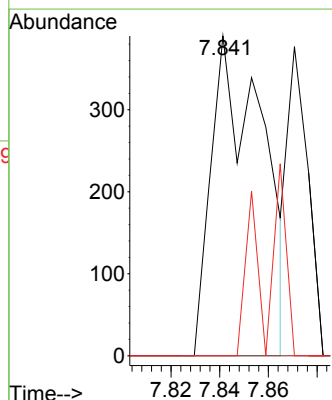
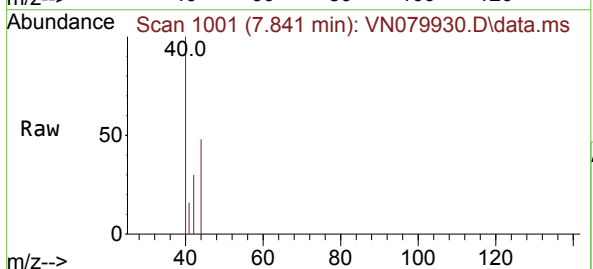
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MSVOA_N
ClientSampleId :

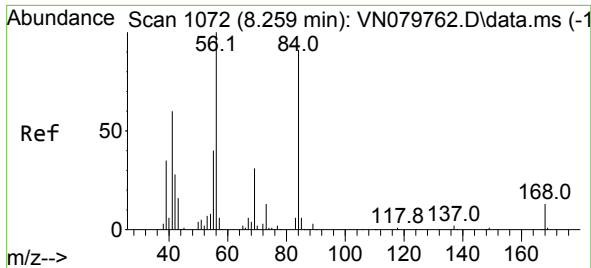
Tgt Ion: 43 Resp: 5975
Ion Ratio Lower Upper
43 100
72 16.9 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.478 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

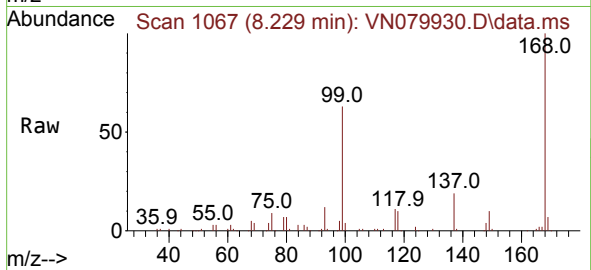
Tgt Ion: 42 Resp: 569
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 12.5 47.4 71.2#



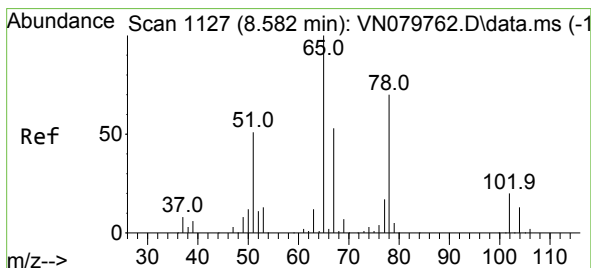
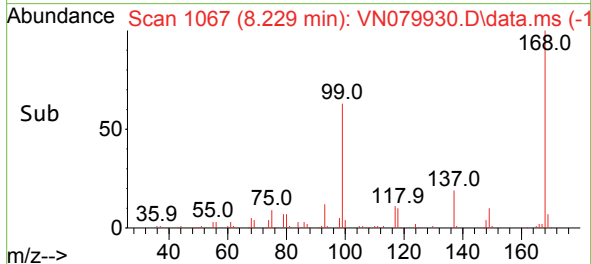
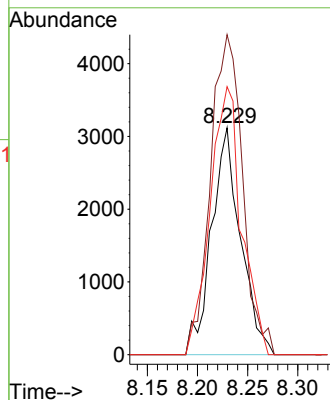


#31
Cyclohexane
Concen: 1.337 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

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ClientSampleId :

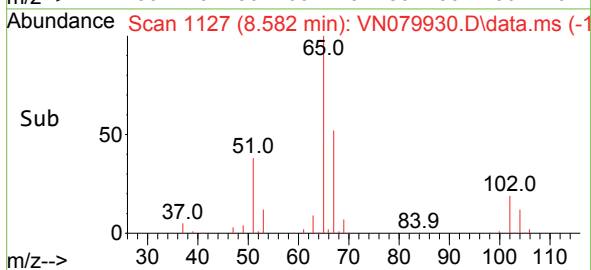
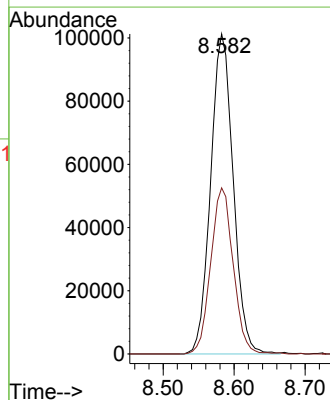
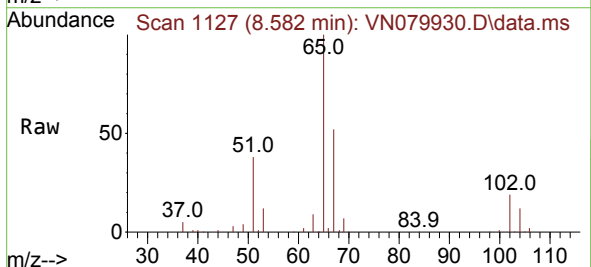


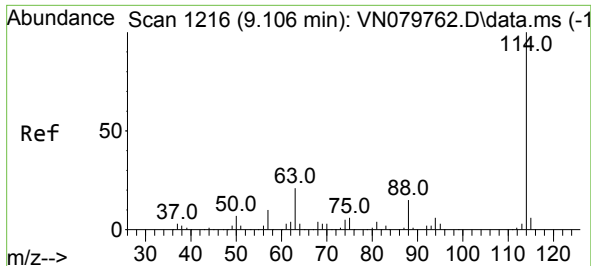
Tgt Ion: 56 Resp: 6287
Ion Ratio Lower Upper
56 100
69 141.0 26.8 40.2#
84 118.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 62.705 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Tgt Ion: 65 Resp: 223115
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.6

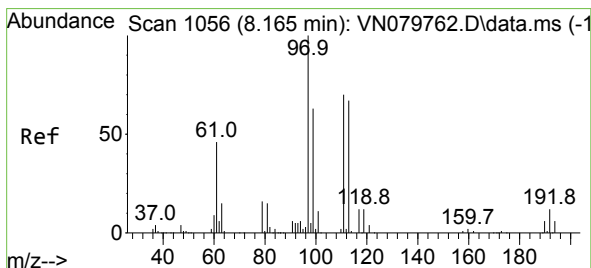
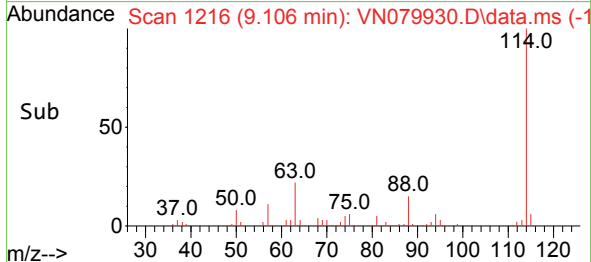
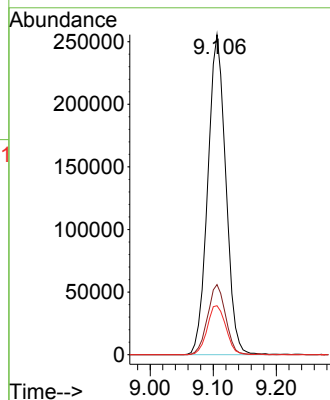
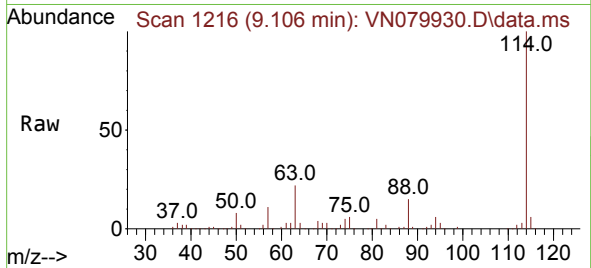




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

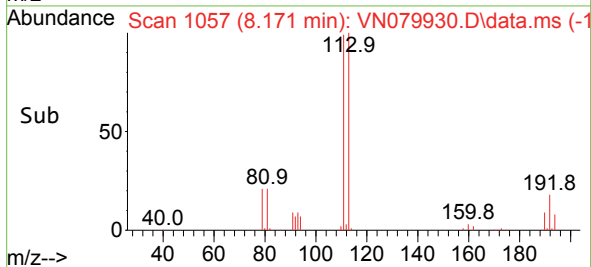
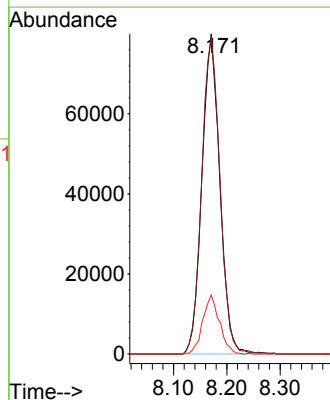
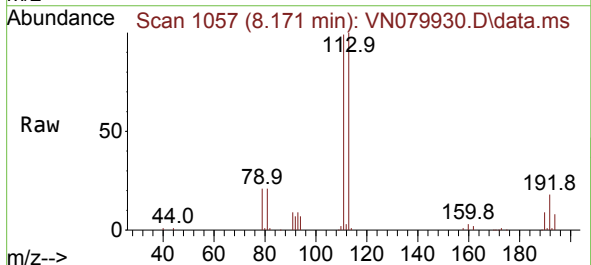
Instrument :
MSVOA_N
ClientSampleId :

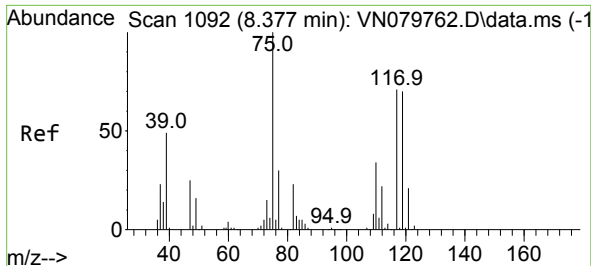
Tgt Ion:114 Resp: 506159
Ion Ratio Lower Upper
114 100
63 21.9 0.0 36.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.908 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Tgt Ion:113 Resp: 185955
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 17.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.197 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

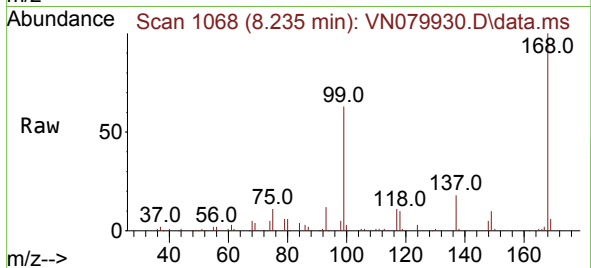
Lab File: VN079930.D

Acq: 06 Nov 2023 18:09

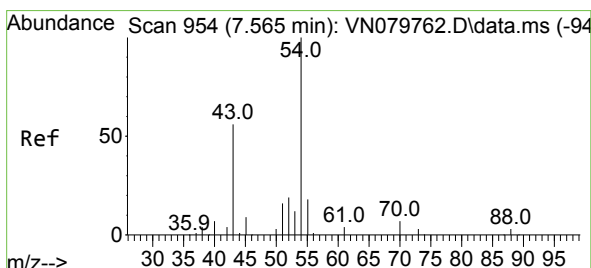
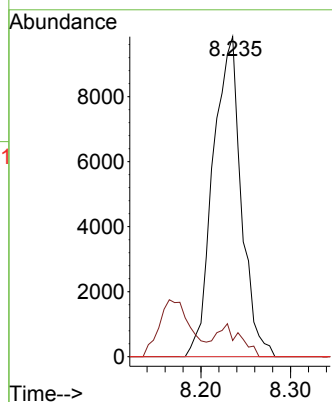
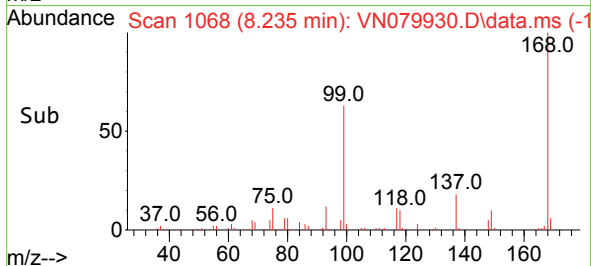
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 21469
Ion Ratio	Lower Upper
75	100
110	8.9 19.1 57.3#
77	0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.413 ug/l

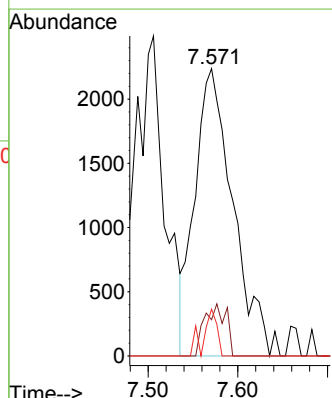
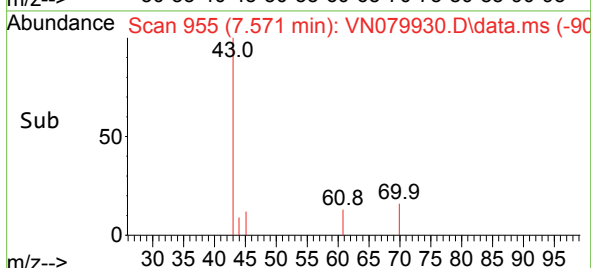
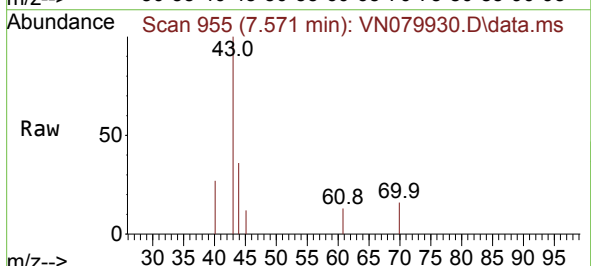
RT: 7.571 min Scan# 955

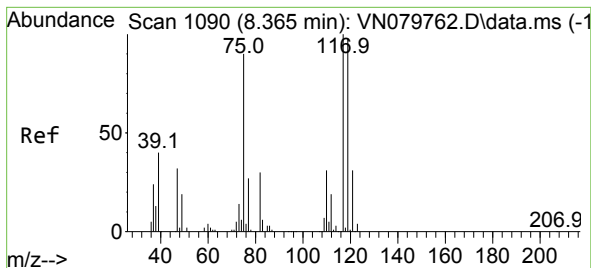
Delta R.T. 0.006 min

Lab File: VN079930.D

Acq: 06 Nov 2023 18:09

Tgt Ion: 43	Resp: 6627
Ion Ratio	Lower Upper
43	100
61	10.1 13.2 19.8#
70	5.7 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.866 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.135 min

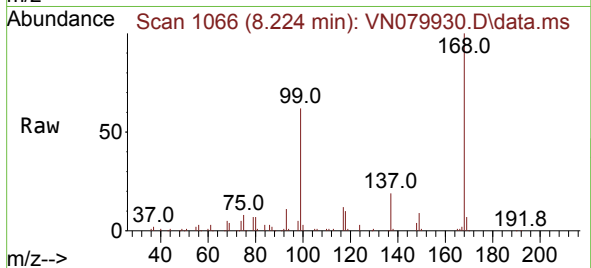
Lab File: VN079930.D

Acq: 06 Nov 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :



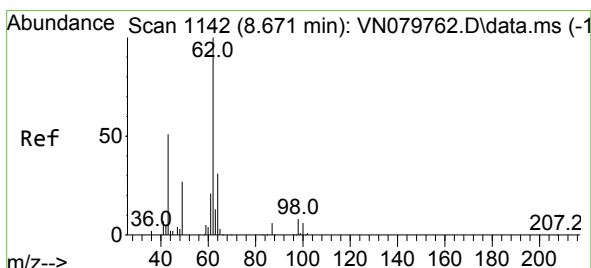
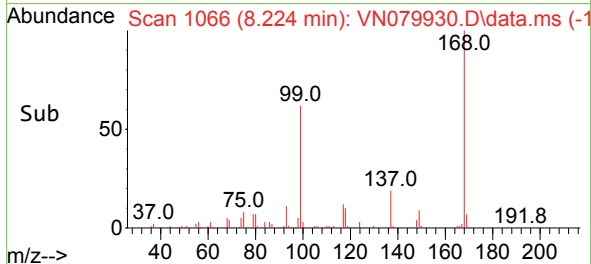
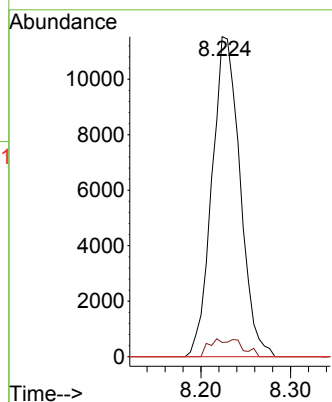
Tgt Ion:117 Resp: 25083

Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.378 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN079930.D

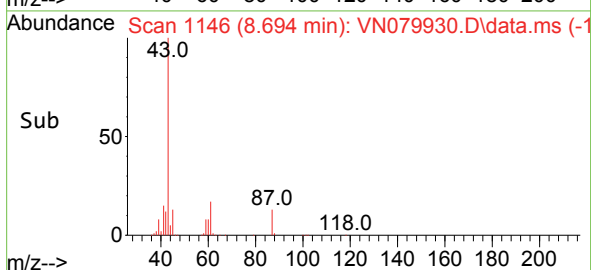
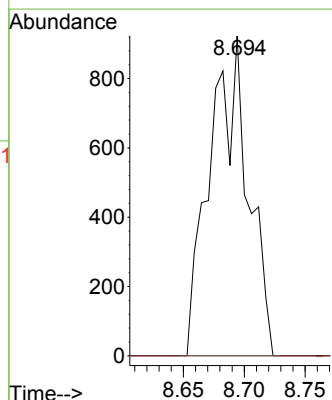
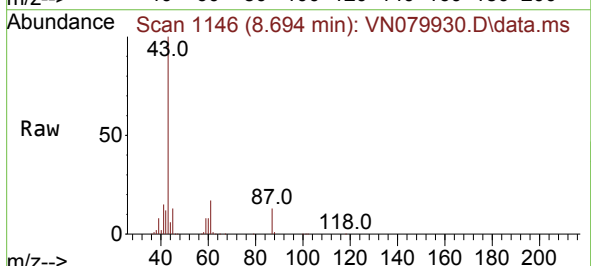
Acq: 06 Nov 2023 18:09

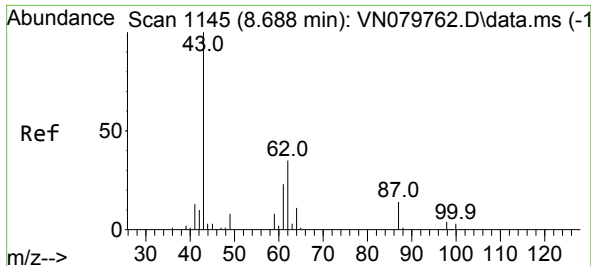
Tgt Ion: 62 Resp: 2023

Ion Ratio Lower Upper

62 100

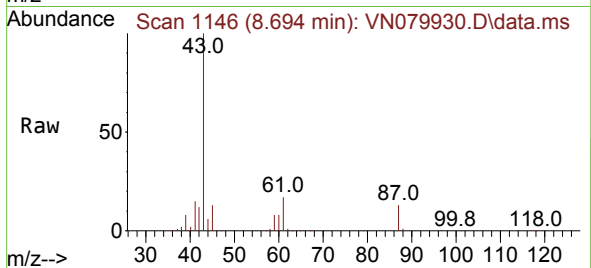
98 0.0 0.0 19.8



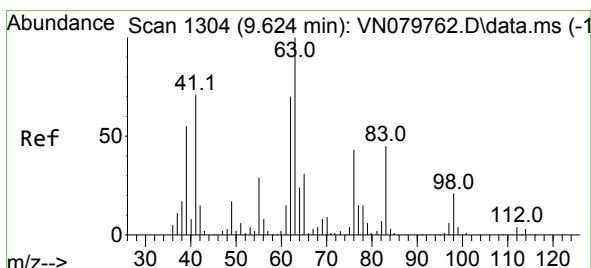
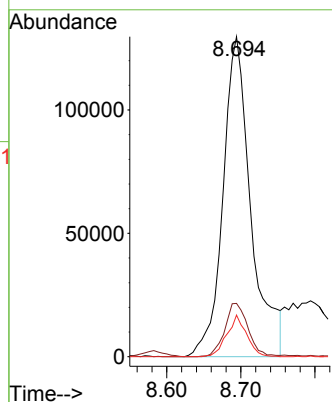
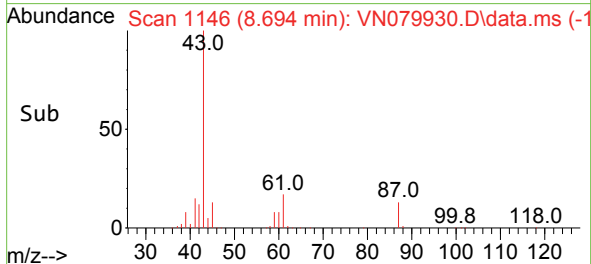


#43
Isopropyl Acetate
Concen: 41.323 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Instrument :
MSVOA_N
ClientSampleId :

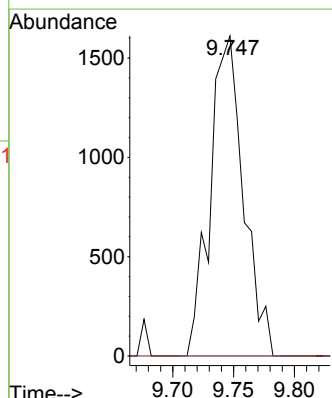
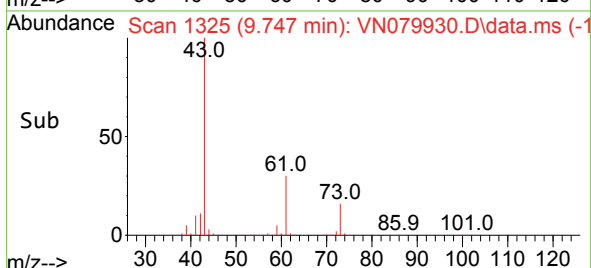
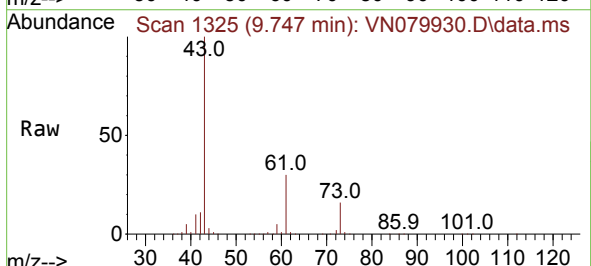


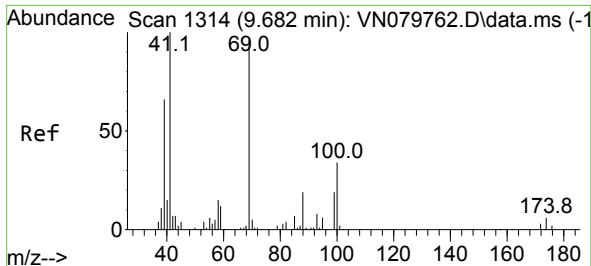
Tgt Ion: 43 Resp: 339953
Ion Ratio Lower Upper
43 100
61 14.1 24.7 37.1#
87 9.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.786 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Tgt Ion: 63 Resp: 3078
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

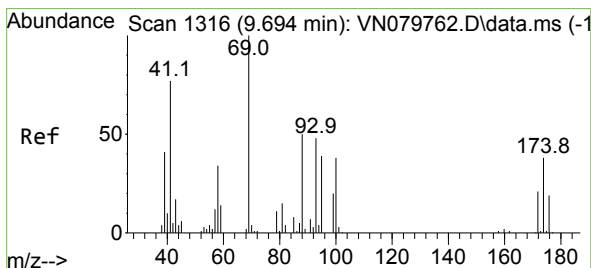
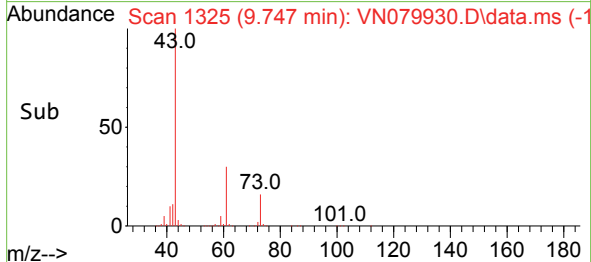
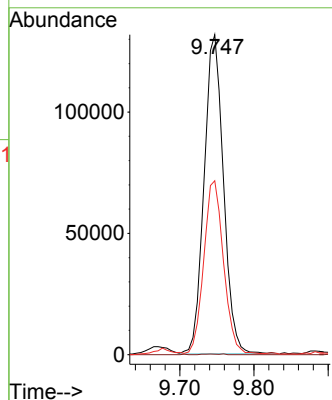
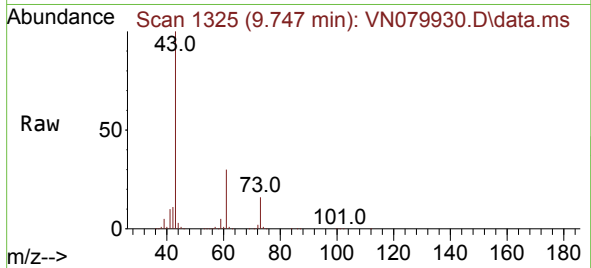




#48
Methyl methacrylate
Concen: 66.214 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

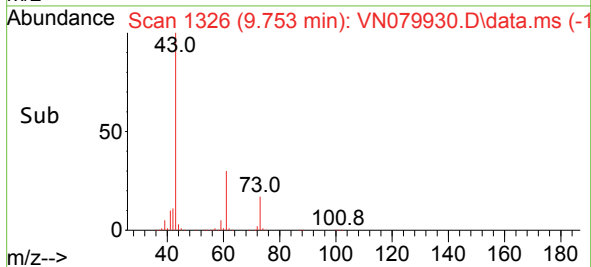
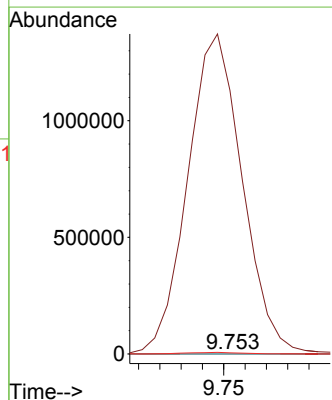
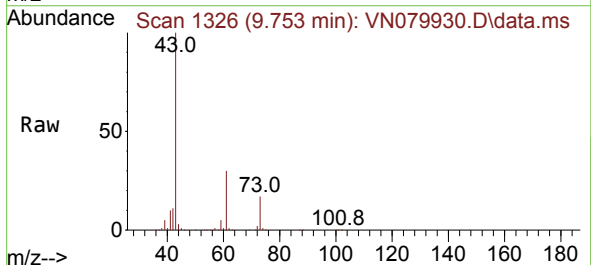
Instrument :
MSVOA_N
ClientSampleId :

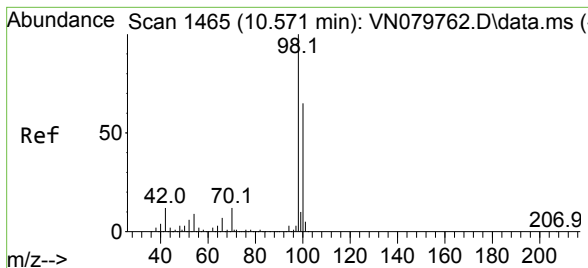
Tgt Ion: 41 Resp: 238598
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 55.1 54.6 81.8



#49
1,4-Dioxane
Concen: 3.534 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Tgt Ion: 88 Resp: 225
Ion Ratio Lower Upper
88 100
43 1090052.4 17.0 25.6#
58 5675.1 47.0 70.4#

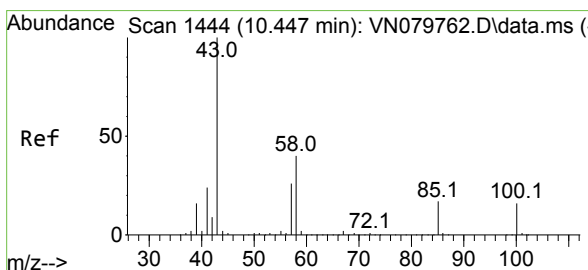
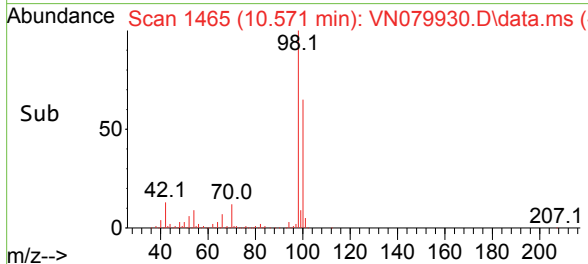
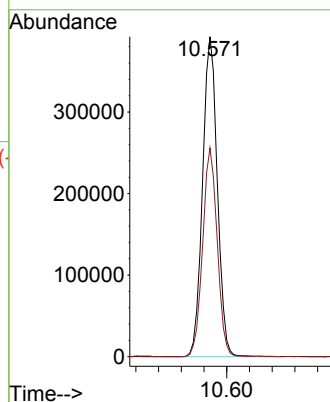
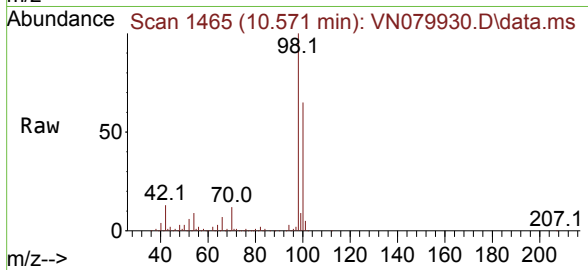




#50
Toluene-d8
Concen: 53.509 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

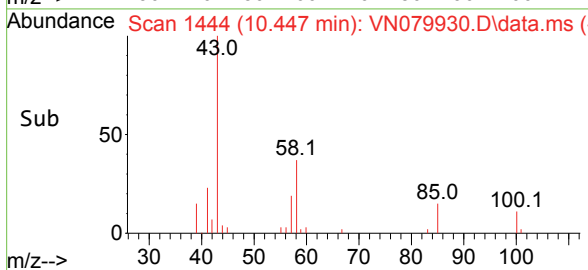
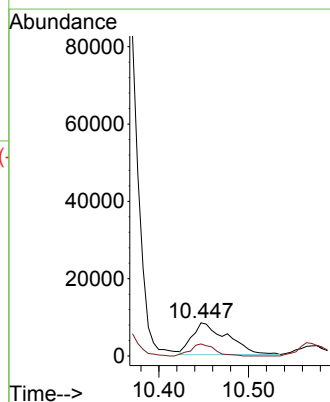
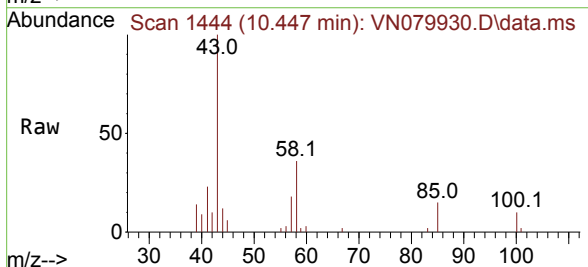
Instrument :
MSVOA_N
ClientSampleId :

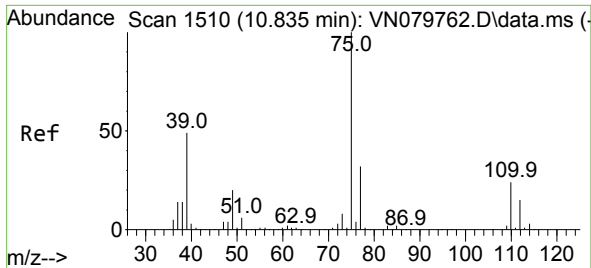
Tgt Ion: 98 Resp: 705683
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.869 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Tgt Ion: 43 Resp: 22551
Ion Ratio Lower Upper
43 100
58 25.5 36.6 54.8#

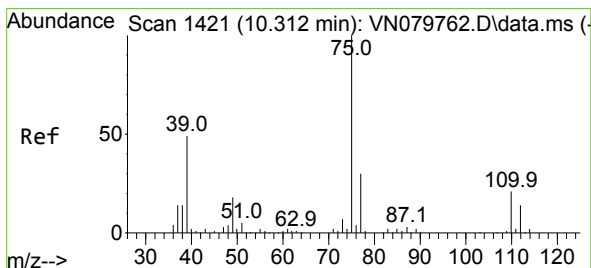
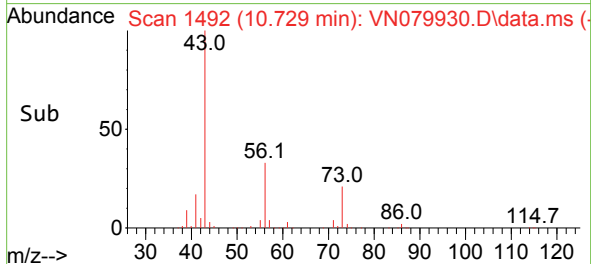
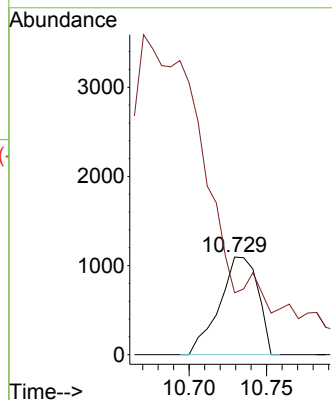
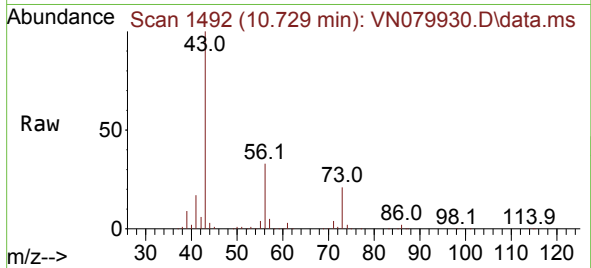




#53
 t-1,3-Dichloropropene
 Concen: 0.339 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN079930.D
 Acq: 06 Nov 2023 18:09

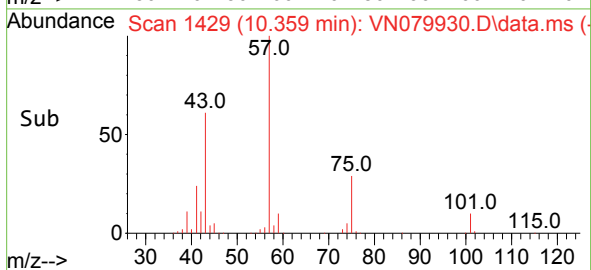
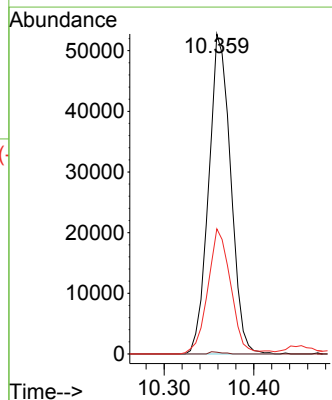
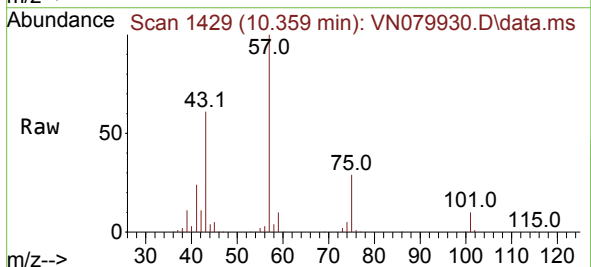
Instrument :
 MSVOA_N
 ClientSampleId :

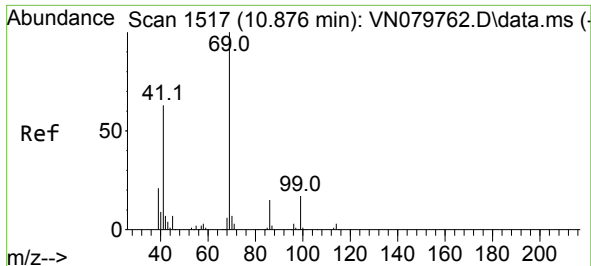
Tgt Ion: 75 Resp: 1895
 Ion Ratio Lower Upper
 75 100
 77 16.4 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.711 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079930.D
 Acq: 06 Nov 2023 18:09

Tgt Ion: 75 Resp: 89623
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 39.1 31.6 47.4

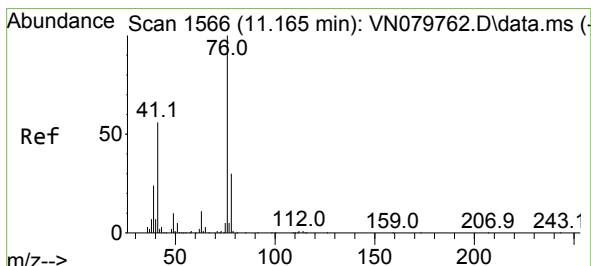
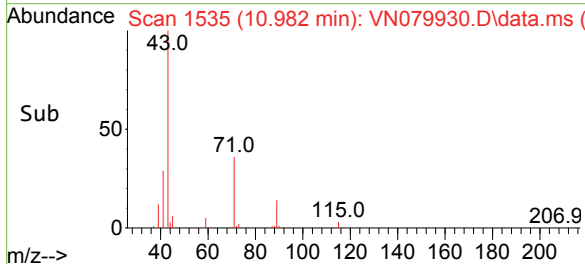
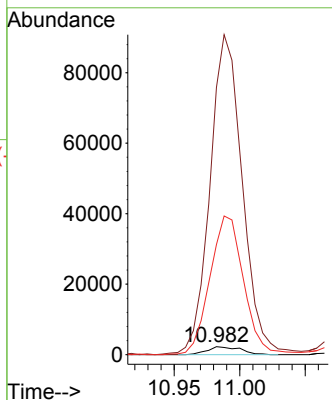
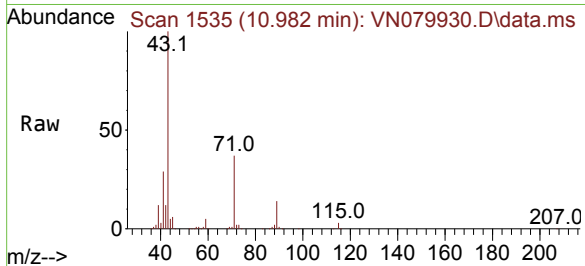




#56
Ethyl methacrylate
Concen: 0.775 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

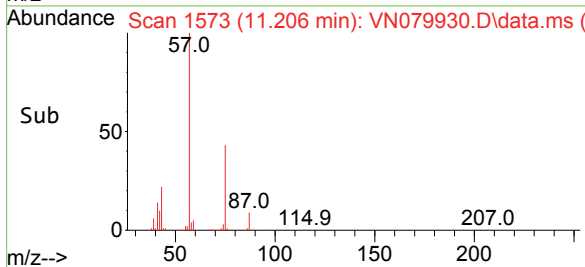
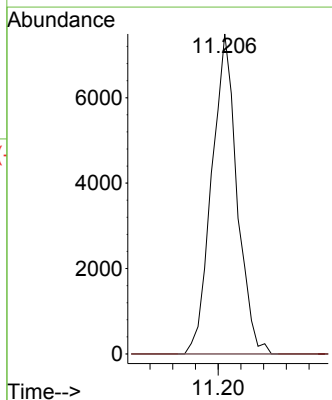
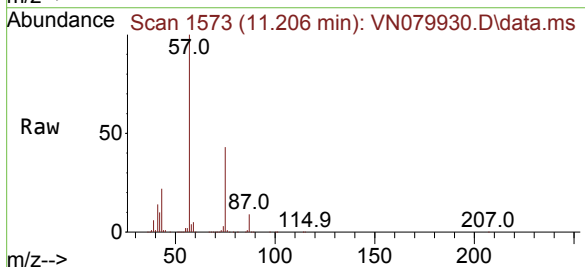
Instrument :
MSVOA_N
ClientSampleId :

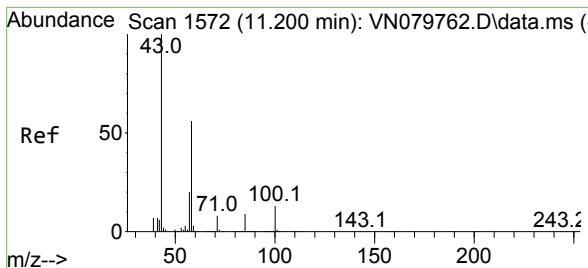
Tgt Ion: 69 Resp: 4039
Ion Ratio Lower Upper
69 100
41 3869.0 39.6 59.4#
39 1749.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.800 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Tgt Ion: 76 Resp: 11588
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

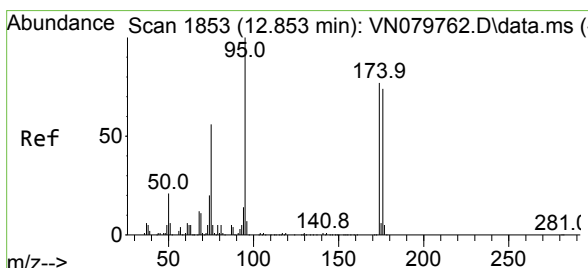
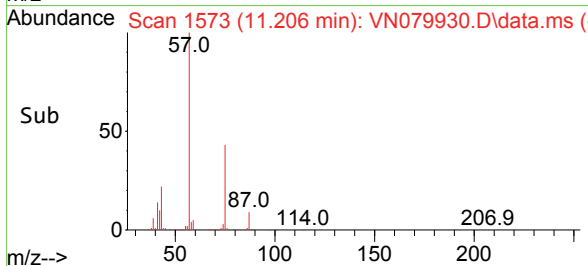
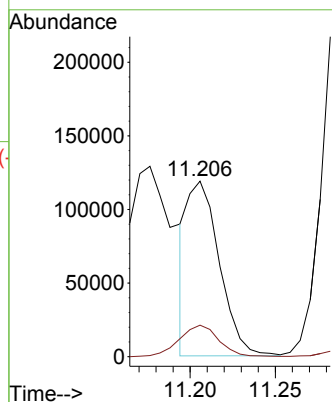
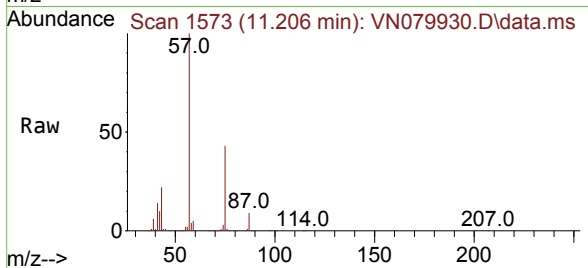




#59
2-Hexanone
Concen: 43.961 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

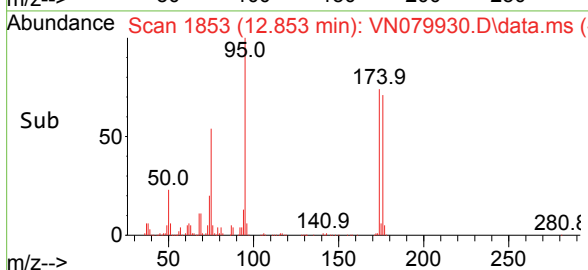
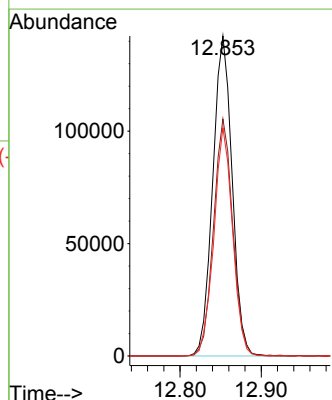
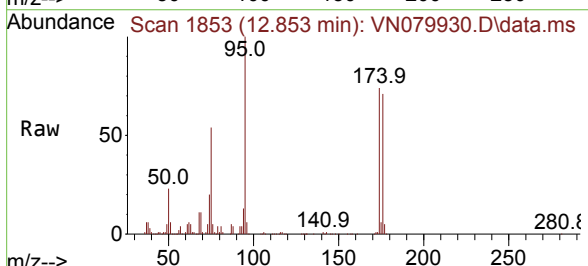
Instrument :
MSVOA_N
ClientSampleId :

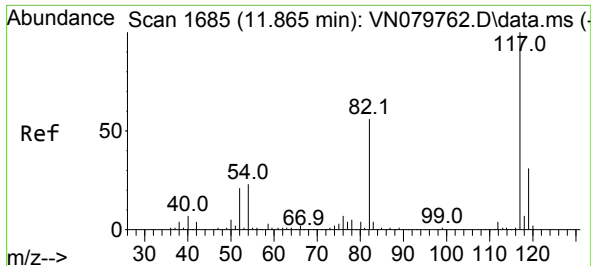
Tgt Ion: 43 Resp: 155761
Ion Ratio Lower Upper
43 100
58 22.4 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.924 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

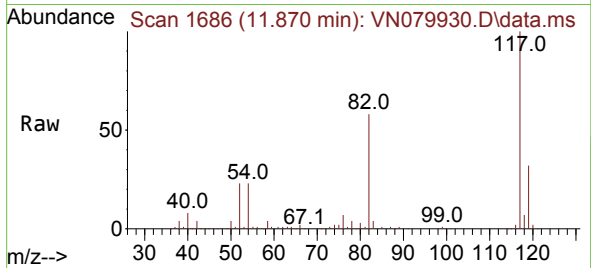
Tgt Ion: 95 Resp: 235856
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.8
176 69.1 0.0 135.8



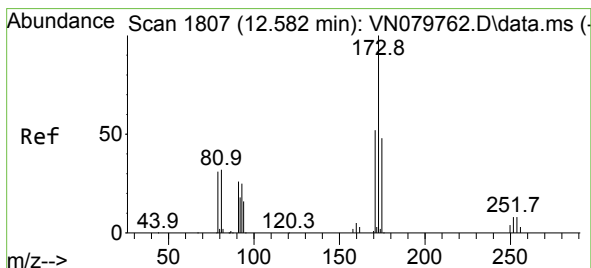
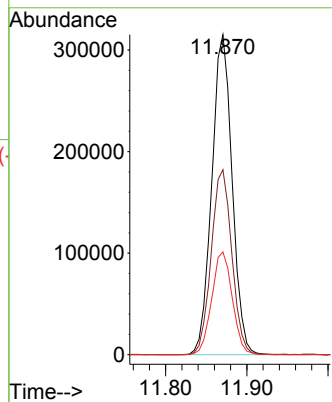
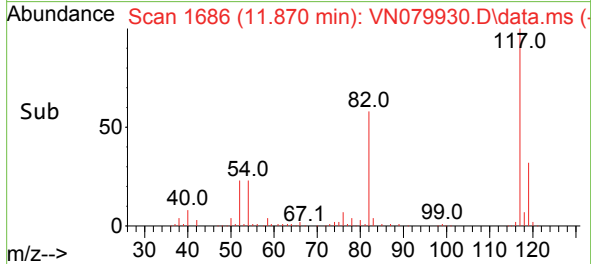


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

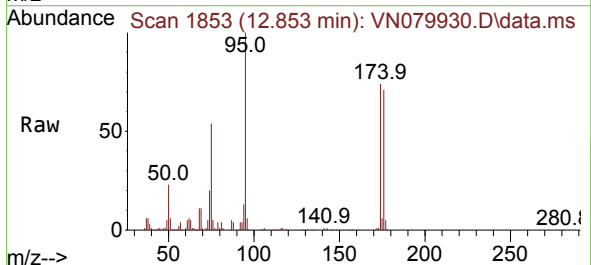
Instrument :
MSVOA_N
ClientSampleId :



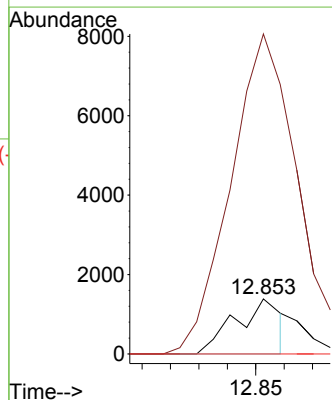
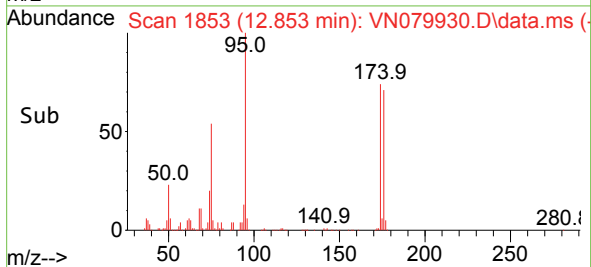
Tgt Ion:117 Resp: 548585
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 32.1 25.6 38.4

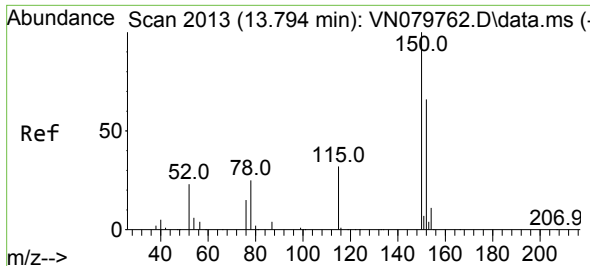


#71
Bromoform
Concen: 0.514 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09



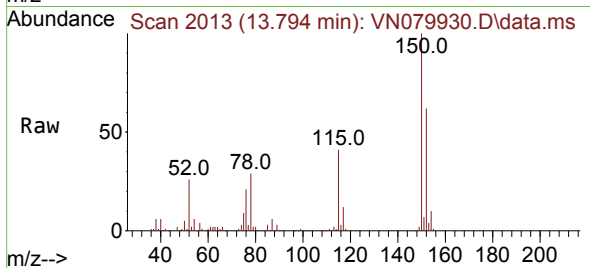
Tgt Ion:173 Resp: 1564
Ion Ratio Lower Upper
173 100
175 653.0 24.3 73.0#
254 0.0 0.0 0.0



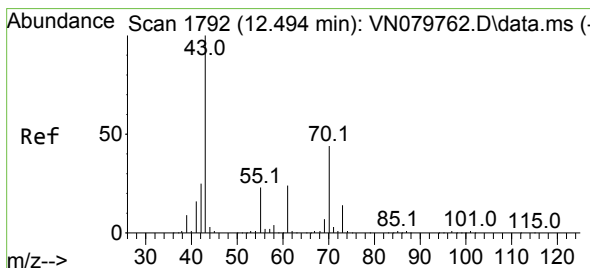
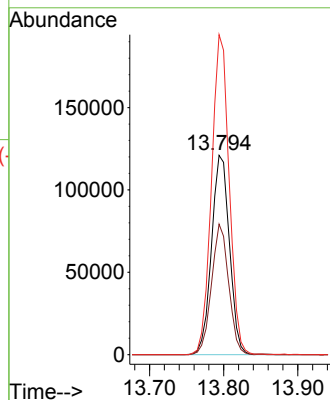
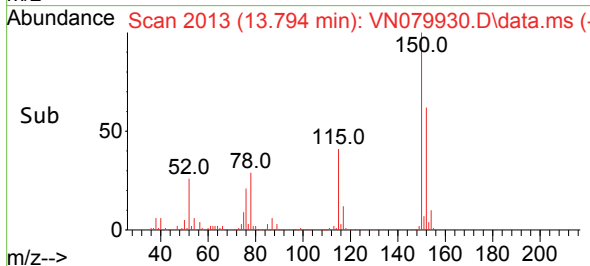


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Instrument :
MSVOA_N
ClientSampleId :

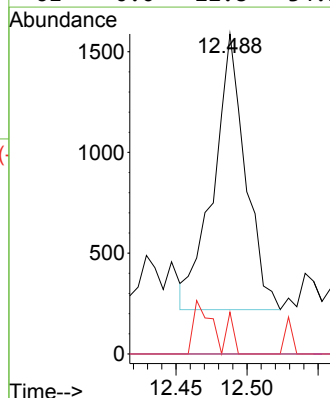
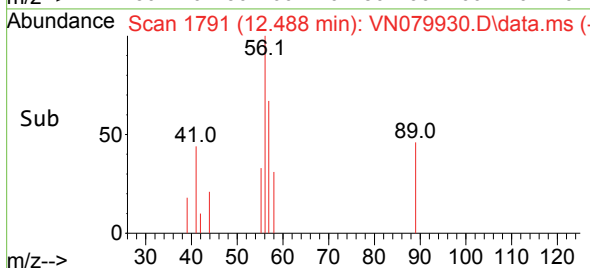
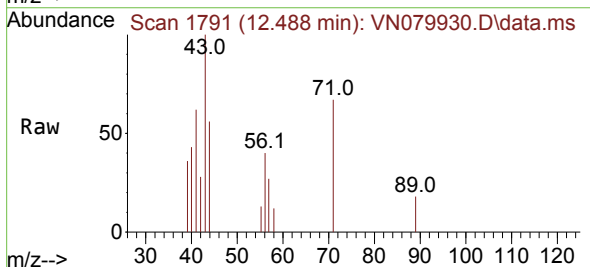


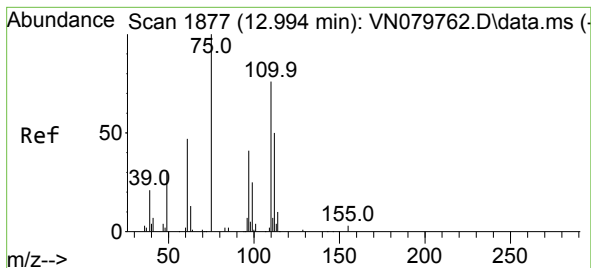
Tgt Ion:152 Resp: 203553
Ion Ratio Lower Upper
152 100
115 62.5 32.3 96.8
150 157.5 0.0 355.8



#74
N-ethyl acetate
Concen: 0.316 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN079930.D
Acq: 06 Nov 2023 18:09

Tgt Ion: 43 Resp: 2130
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 27.340 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079930.D

Acq: 06 Nov 2023 18:09

Instrument :

MSVOA_N

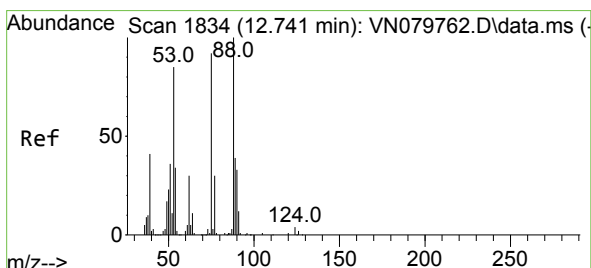
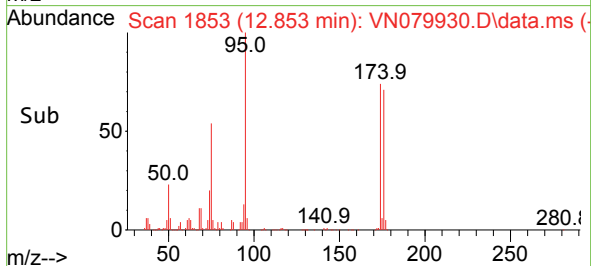
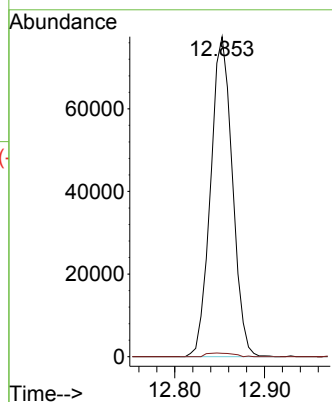
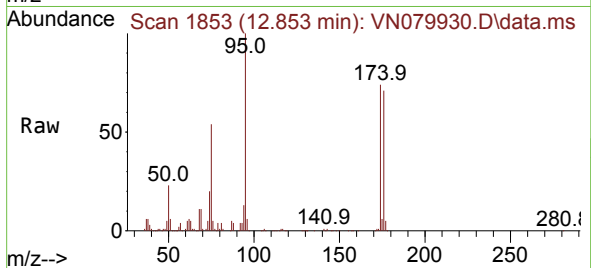
ClientSampleId :

Tgt Ion: 75 Resp: 130653

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.386 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079930.D

Acq: 06 Nov 2023 18:09

Tgt Ion: 75 Resp: 130653

Ion Ratio Lower Upper

75 100

53 0.3 67.4 101.2#

89 0.0 38.8 58.2#

