

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079946.D
 Acq On : 07 Nov 2023 05:18
 Operator : JC\MD
 Sample : 05256-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 06:16:46 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)

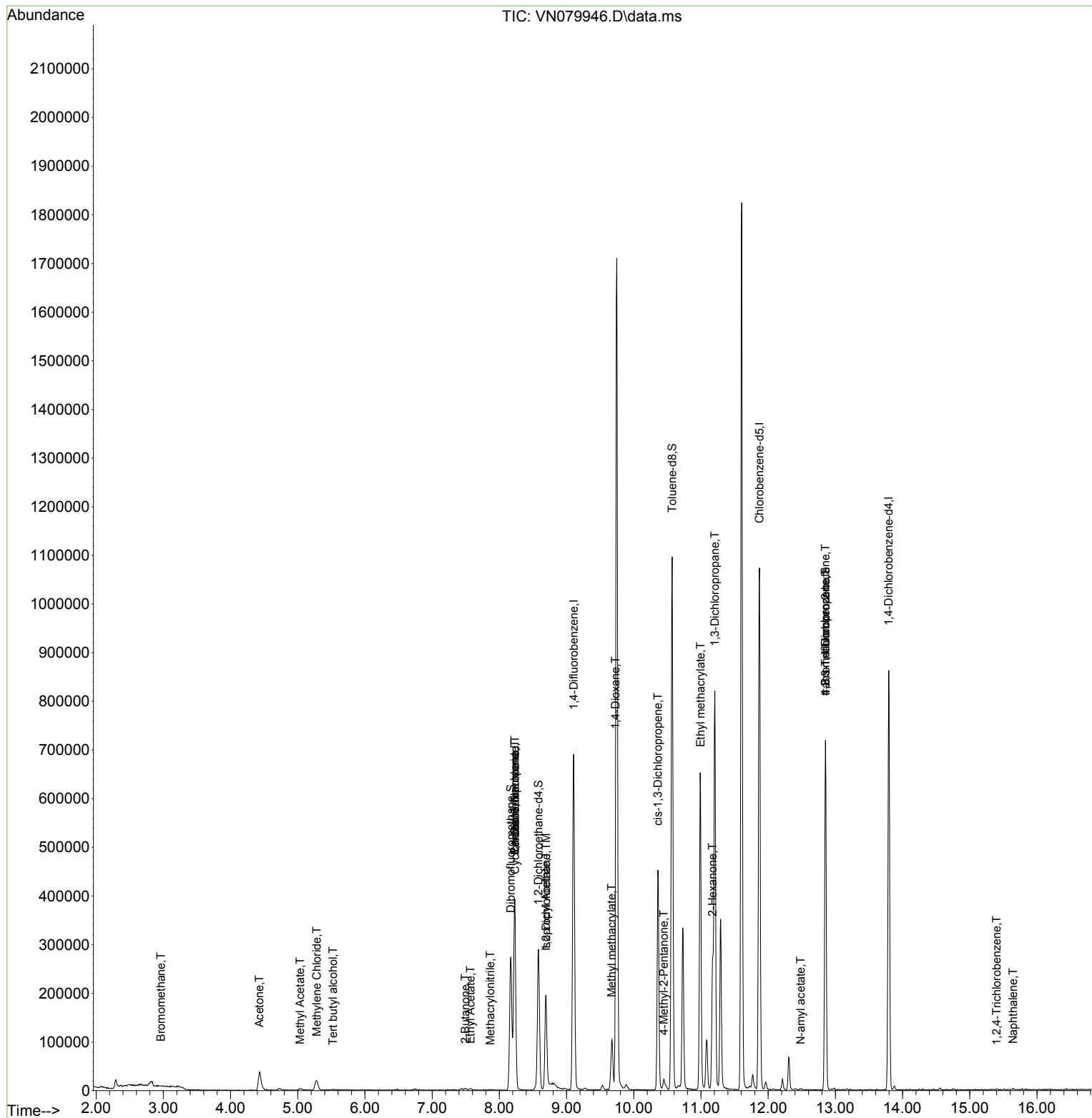
Internal Standards						
1) Pentafluorobenzene	8.230	168	271745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	571071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	608697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	222001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	236532	57.132	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.260%	
35) Dibromofluoromethane	8.171	113	197341	48.825	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.640%	
50) Toluene-d8	10.571	98	732736	49.245	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	12.853	95	242050	49.050	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1597	Below Cal	#	78
5) Bromomethane	2.965	94	1005	0.386	ug/l	88
11) Tert butyl alcohol	5.524	59	723	1.368	ug/l #	72
16) Acetone	4.430	43	69881	48.053	ug/l #	88
18) Methyl Acetate	5.036	43	6192	0.890	ug/l #	63
20) Methylene Chloride	5.283	84	15622	4.257	ug/l	94
25) 2-Butanone	7.494	43	7203	3.382	ug/l	97
31) Cyclohexane	8.235	56	7019	1.283	ug/l #	38
36) 1,1-Dichloropropene	8.230	75	24518	4.248	ug/l #	49
37) Ethyl Acetate	7.571	43	5359	1.013	ug/l #	86
38) Carbon Tetrachloride	8.230	117	30092	5.174	ug/l #	17
41) Methacrylonitrile	7.865	41	681	0.242	ug/l #	28
42) 1,2-Dichloroethane	8.694	62	1385	0.229	ug/l #	73
43) Isopropyl Acetate	8.694	43	217068	23.386	ug/l #	80
48) Methyl methacrylate	9.671	41	7386	1.817	ug/l #	31
49) 1,4-Dioxane	9.729	88	58	0.807	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	18760	3.590	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	75099	10.926	ug/l #	73
56) Ethyl methacrylate	10.994	69	4523	0.769	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8495	1.169	ug/l #	42
59) 2-Hexanone	11.171	43	224496	56.158	ug/l #	19
74) N-amyl acetate	12.482	43	2753	0.374	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	132663	25.454	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	132663	69.254	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	698	0.203	ug/l #	60
95) Naphthalene	15.647	128	2599	0.223	ug/l #	87

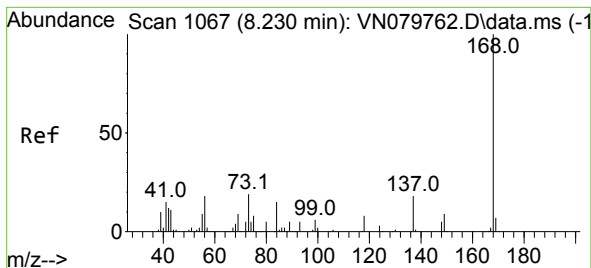
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. 0.001 min

Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

Instrument :

MSVOA_N

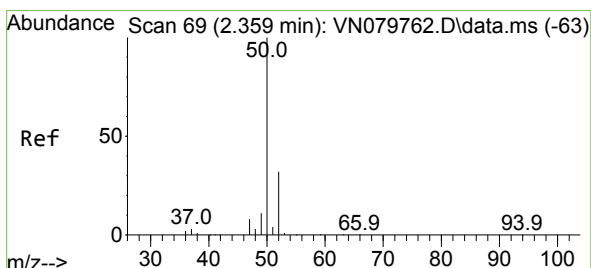
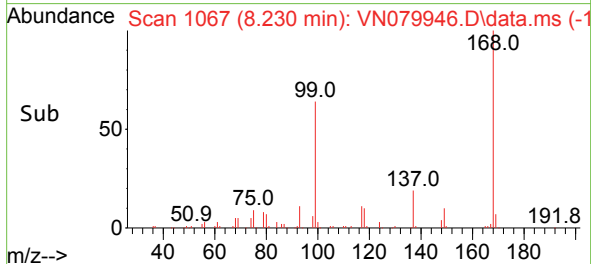
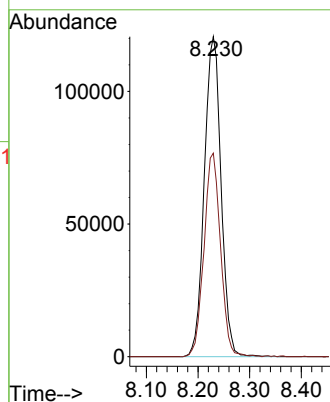
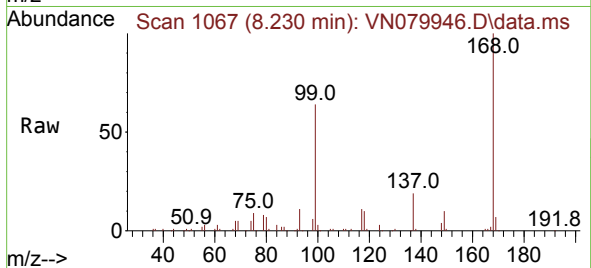
ClientSampleId :

Tgt Ion:168 Resp: 271745

Ion Ratio Lower Upper

168 100

99 63.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079946.D

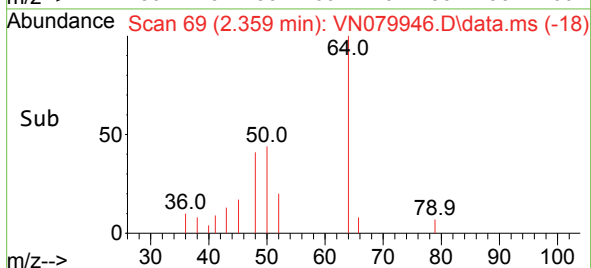
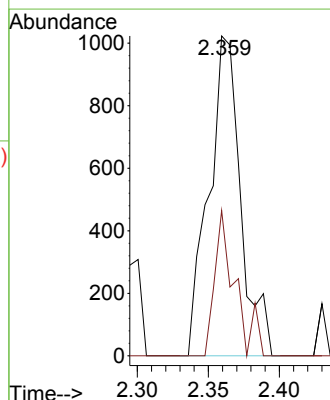
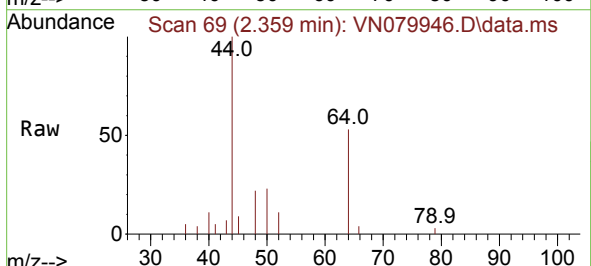
Acq: 07 Nov 2023 05:18

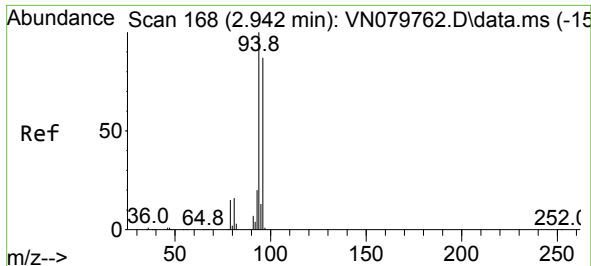
Tgt Ion: 50 Resp: 1597

Ion Ratio Lower Upper

50 100

52 45.5 26.5 39.7#

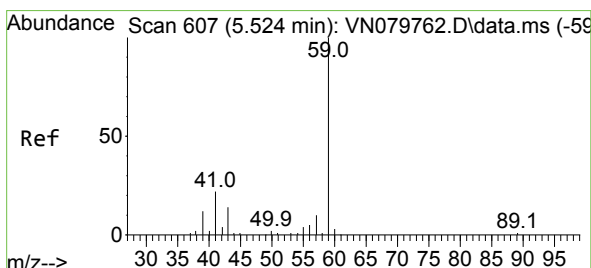
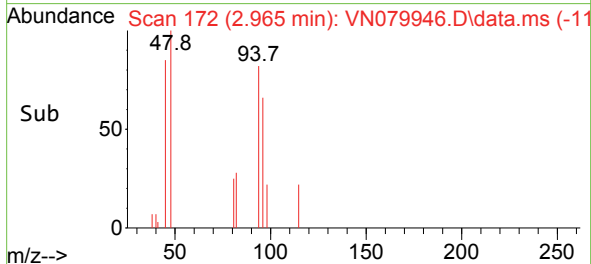
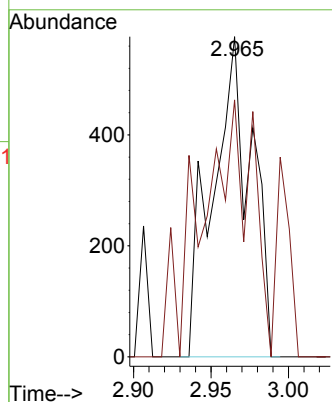
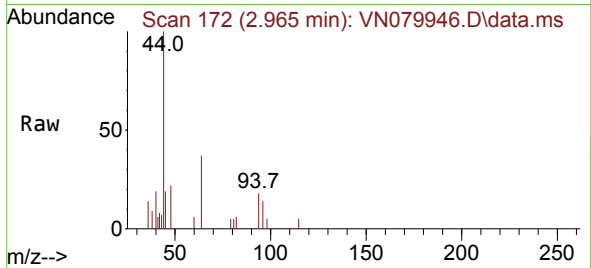




#5
Bromomethane
Concen: 0.386 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

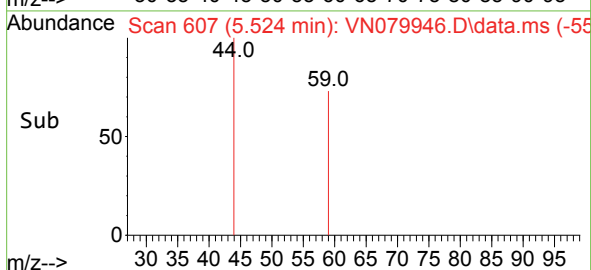
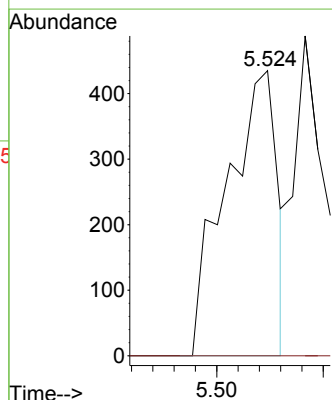
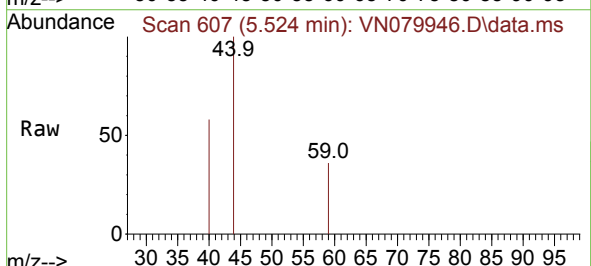
Instrument :
MSVOA_N
ClientSampleId :

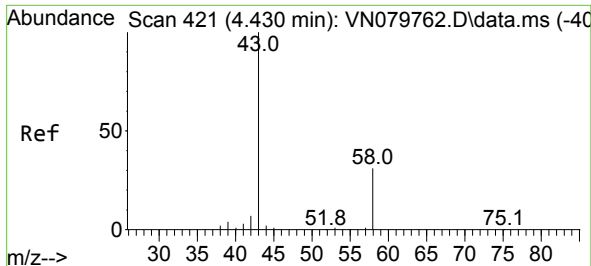
Tgt Ion: 94 Resp: 1005
Ion Ratio Lower Upper
94 100
96 80.2 73.1 109.7



#11
Tert butyl alcohol
Concen: 1.368 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Tgt Ion: 59 Resp: 723
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

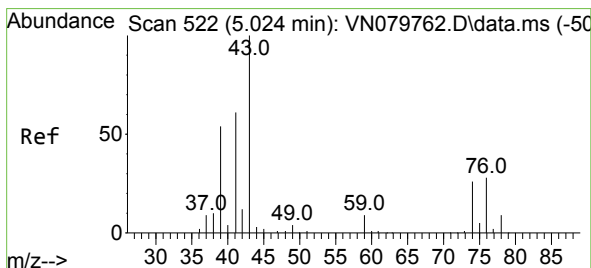
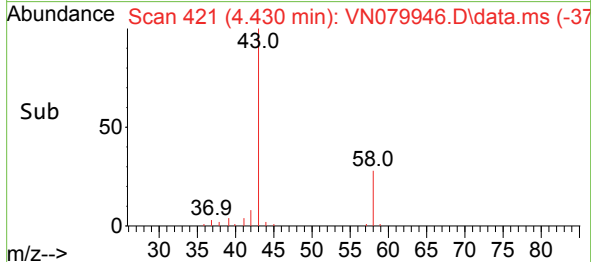
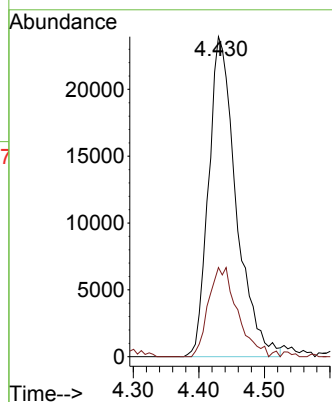
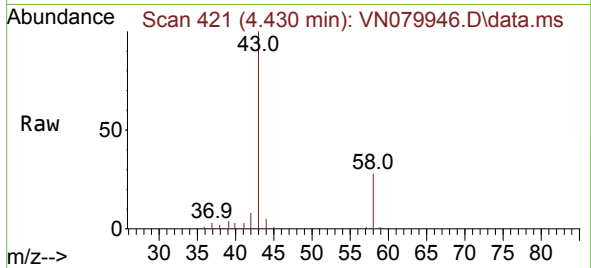




#16
Acetone
Concen: 48.053 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

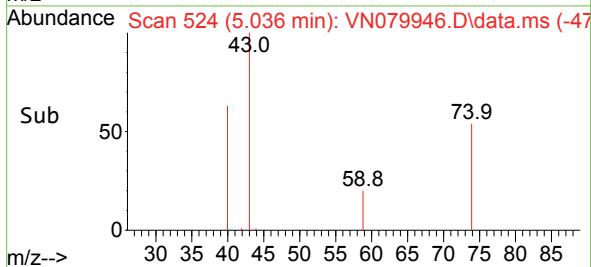
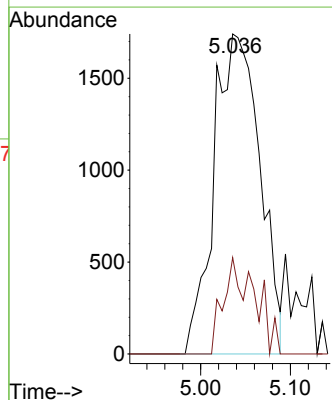
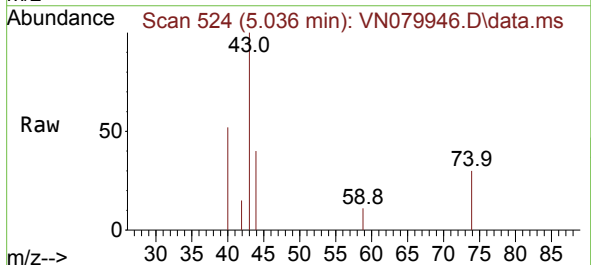
Instrument :
MSVOA_N
ClientSampleId :

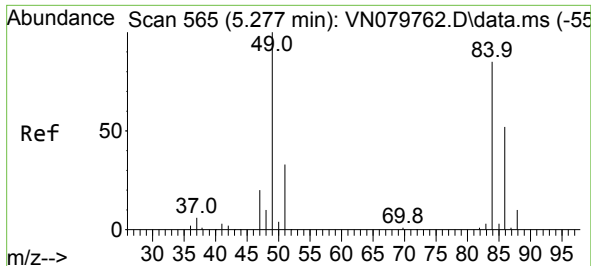
Tgt Ion: 43 Resp: 69881
Ion Ratio Lower Upper
43 100
58 27.9 28.0 42.0#



#18
Methyl Acetate
Concen: 0.890 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Tgt Ion: 43 Resp: 6192
Ion Ratio Lower Upper
43 100
74 11.7 26.2 39.4#





#20

Methylene Chloride

Concen: 4.257 ug/l

RT: 5.283 min Scan# 5

Delta R.T. 0.012 min

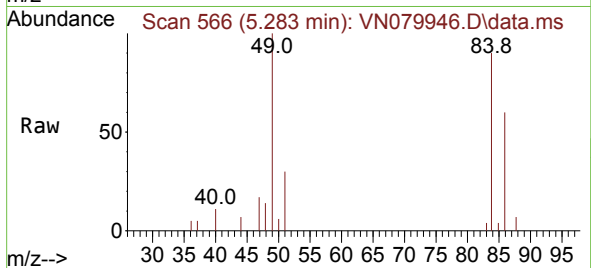
Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 15622

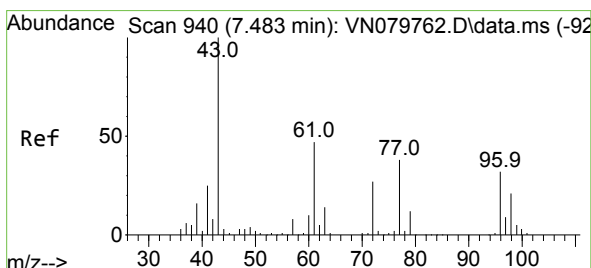
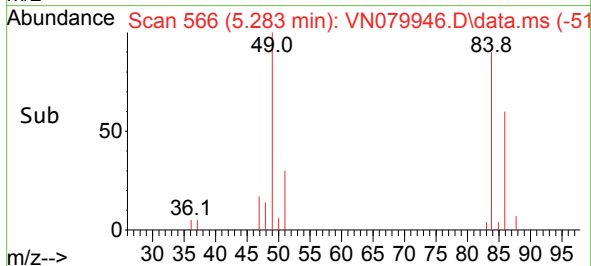
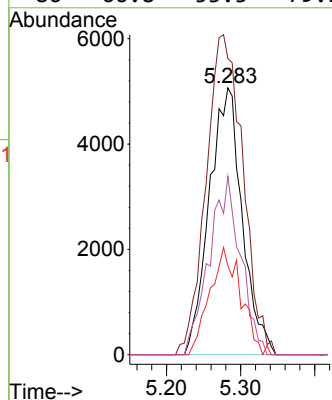
Ion Ratio Lower Upper

84 100

49 111.0 79.7 119.5

51 33.3 25.2 37.8

86 66.8 53.3 79.9



#25

2-Butanone

Concen: 3.382 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.006 min

Lab File: VN079946.D

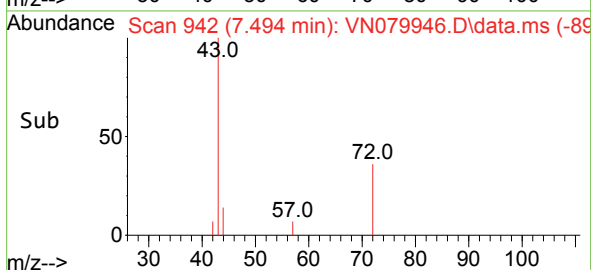
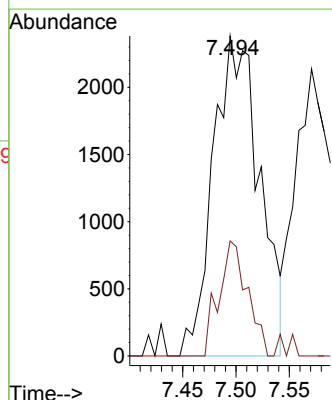
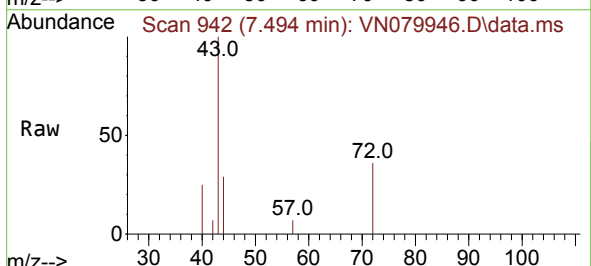
Acq: 07 Nov 2023 05:18

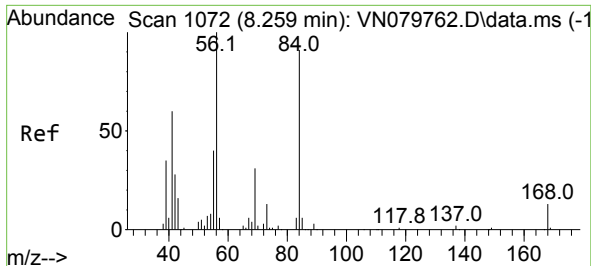
Tgt Ion: 43 Resp: 7203

Ion Ratio Lower Upper

43 100

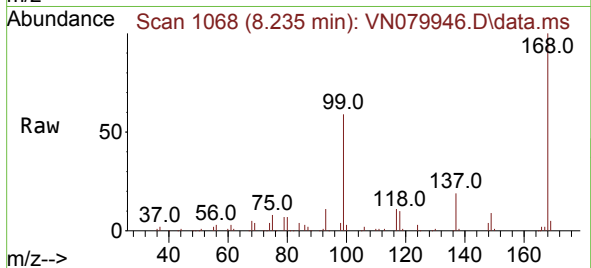
72 36.0 30.2 45.2



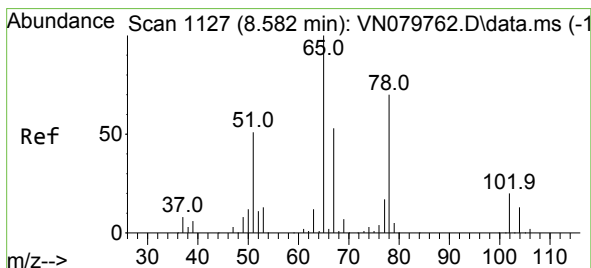
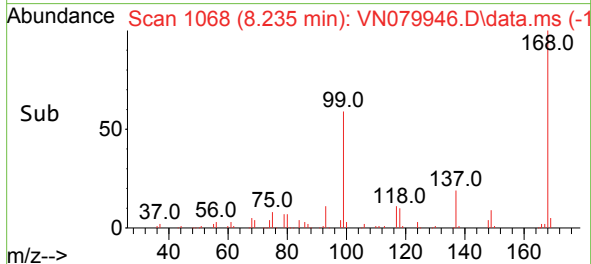
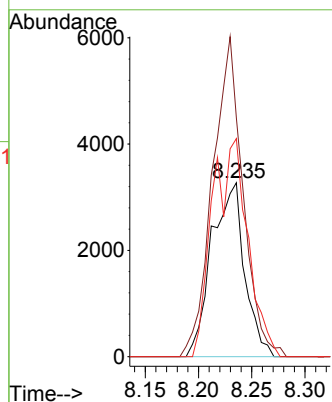


#31
Cyclohexane
Concen: 1.283 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.023 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Instrument :
MSVOA_N
ClientSampleId :

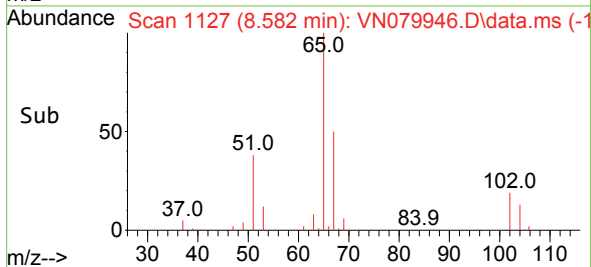
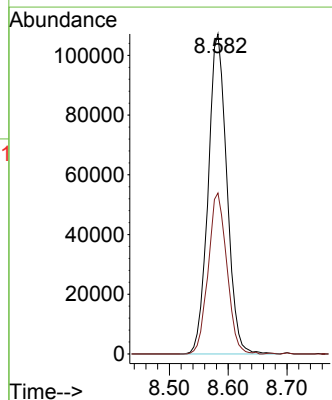
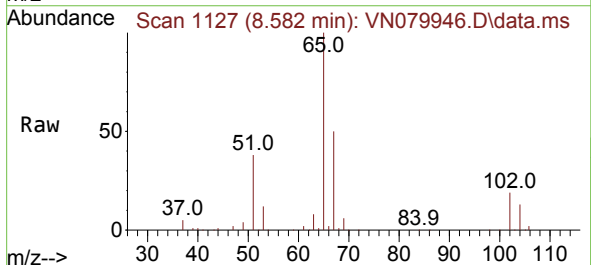


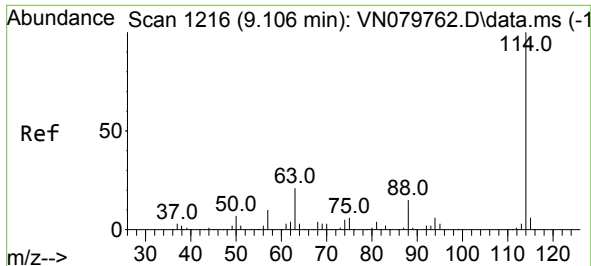
Tgt Ion: 56 Resp: 7019
Ion Ratio Lower Upper
56 100
69 137.4 26.8 40.2#
84 125.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 57.132 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Tgt Ion: 65 Resp: 236532
Ion Ratio Lower Upper
65 100
67 50.1 0.0 106.6

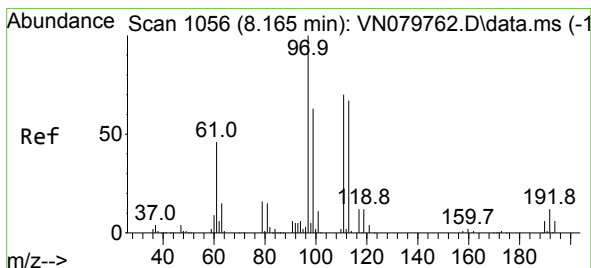
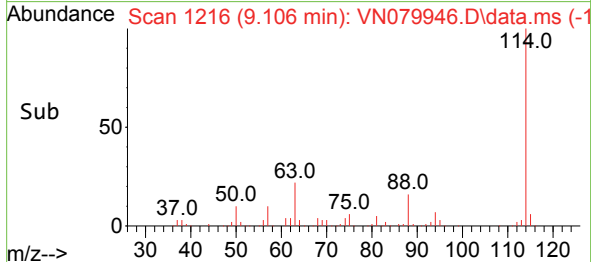
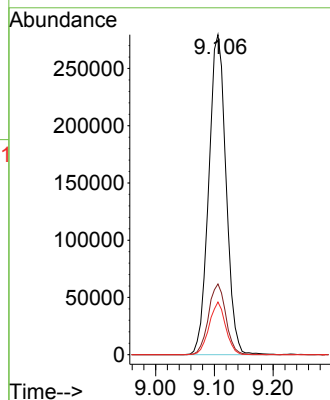
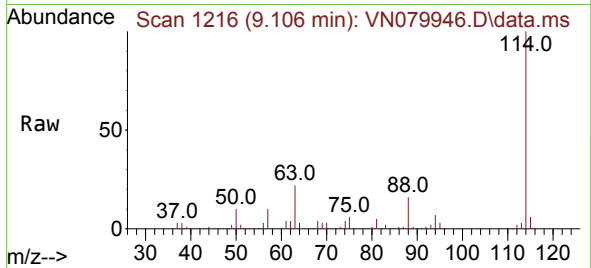




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

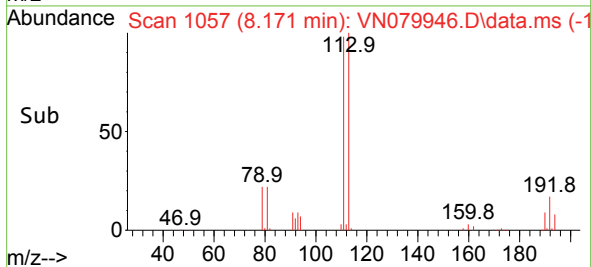
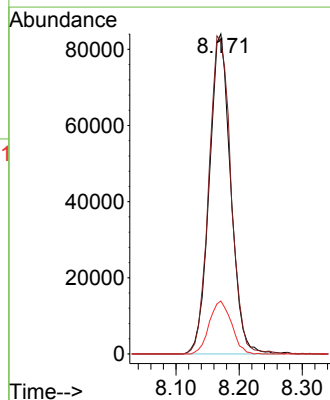
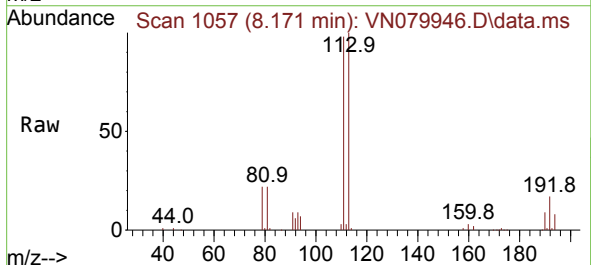
Instrument :
MSVOA_N
ClientSampleId :

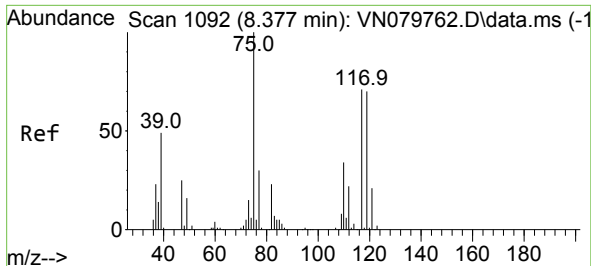
Tgt Ion:114 Resp: 571071
Ion Ratio Lower Upper
114 100
63 22.1 0.0 36.4
88 16.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.825 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Tgt Ion:113 Resp: 197341
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 17.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.248 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

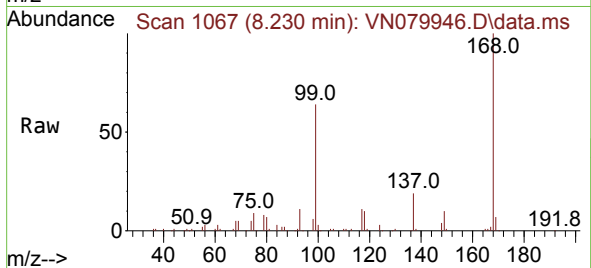
Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

Instrument :

MSVOA_N

ClientSampleId :



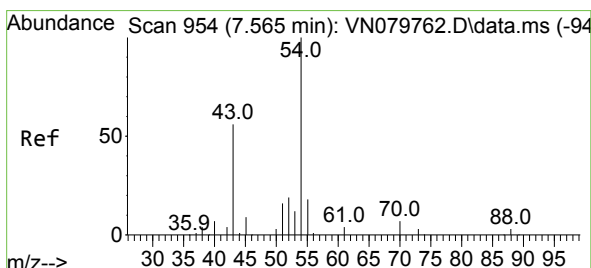
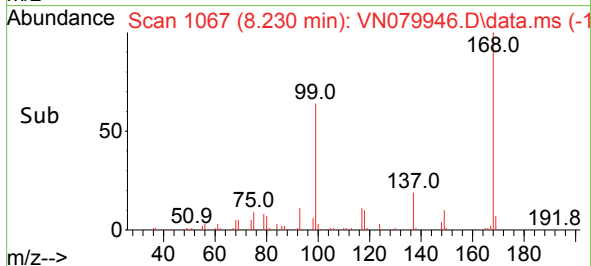
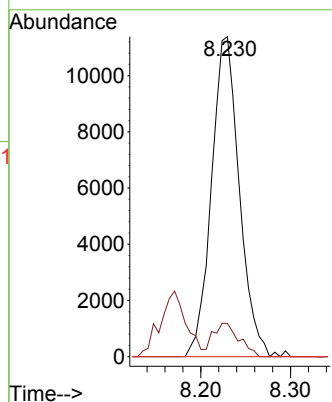
Tgt Ion: 75 Resp: 24518

Ion Ratio Lower Upper

75 100

110 10.0 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.013 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.006 min

Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

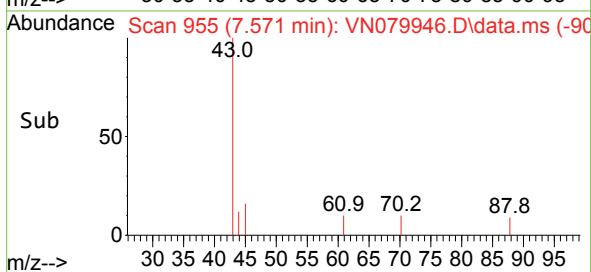
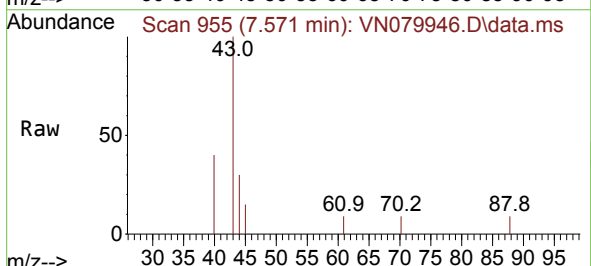
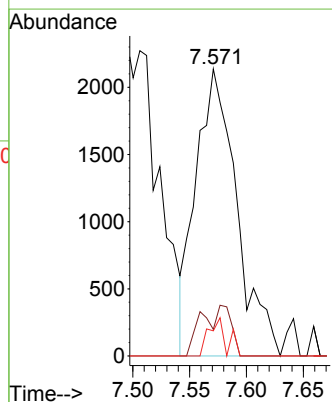
Tgt Ion: 43 Resp: 5359

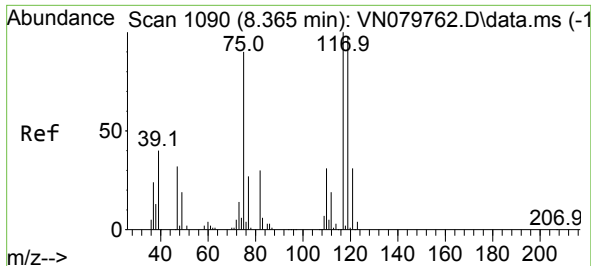
Ion Ratio Lower Upper

43 100

61 12.6 13.2 19.8#

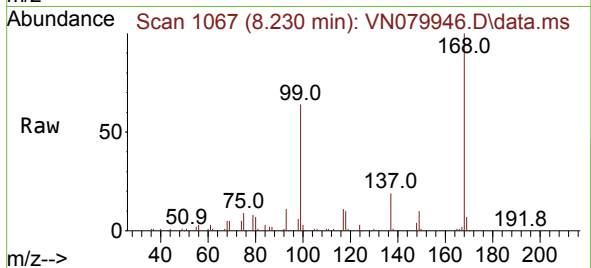
70 5.8 11.3 16.9#



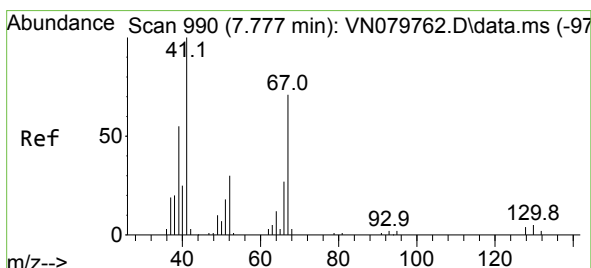
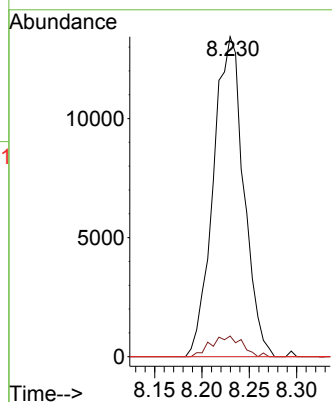
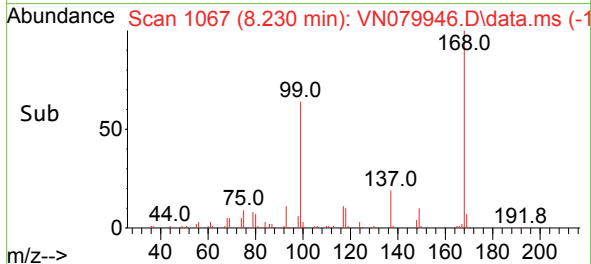


#38
Carbon Tetrachloride
Concen: 5.174 ug/l
RT: 8.230 min Scan# 1005
Delta R.T. -0.129 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Instrument :
MSVOA_N
ClientSampleId :

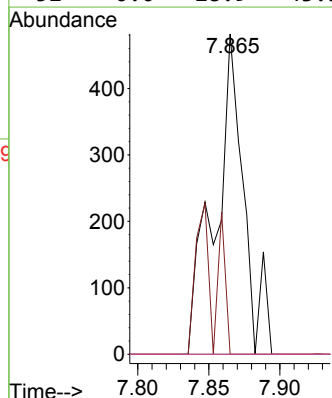
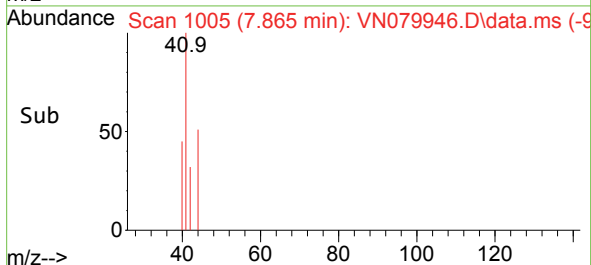
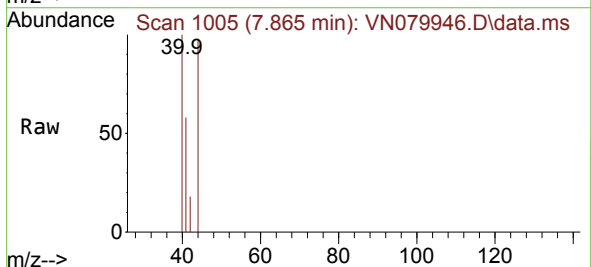


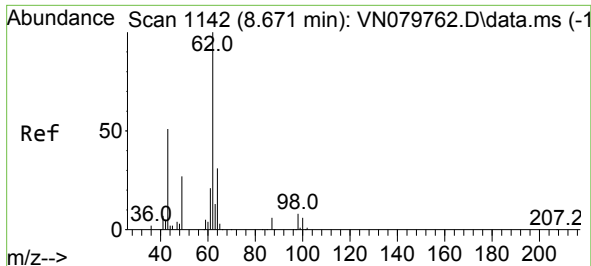
Tgt Ion:117 Resp: 30092
Ion Ratio Lower Upper
117 100
119 6.4 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 0.242 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.082 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Tgt Ion: 41 Resp: 681
Ion Ratio Lower Upper
41 100
39 31.9 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#





#42

1,2-Dichloroethane

Concen: 0.229 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

Instrument :

MSVOA_N

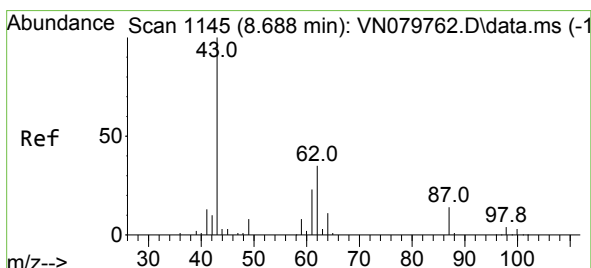
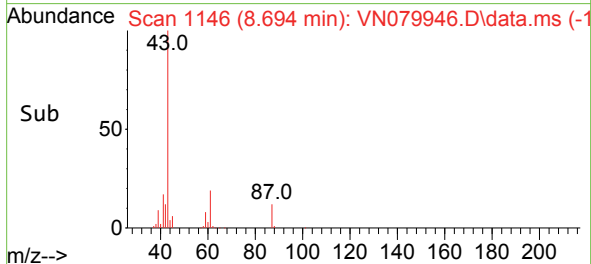
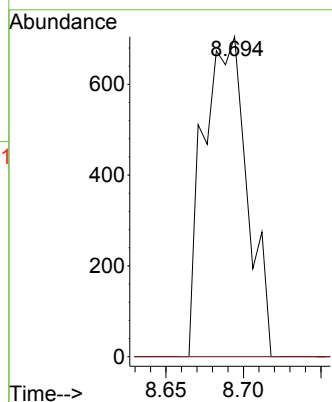
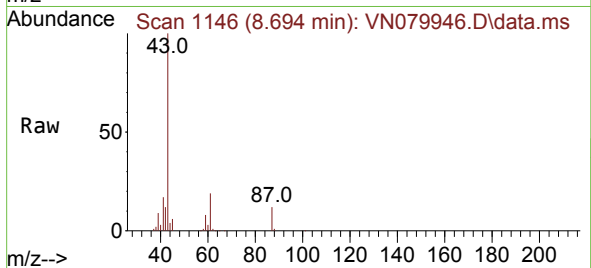
ClientSampleId :

Tgt Ion: 62 Resp: 1385

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 23.386 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

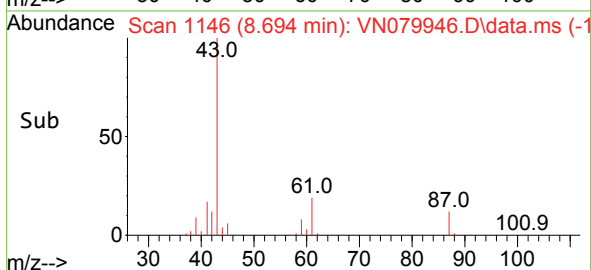
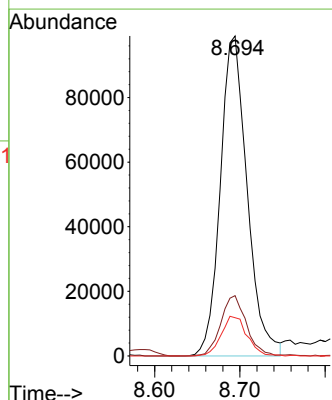
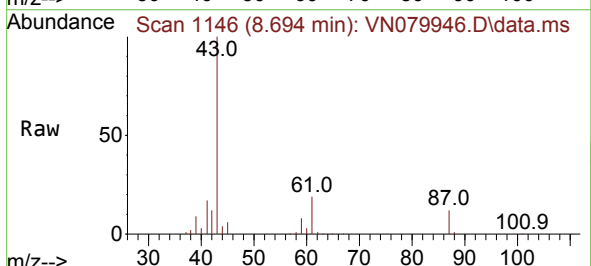
Tgt Ion: 43 Resp: 217068

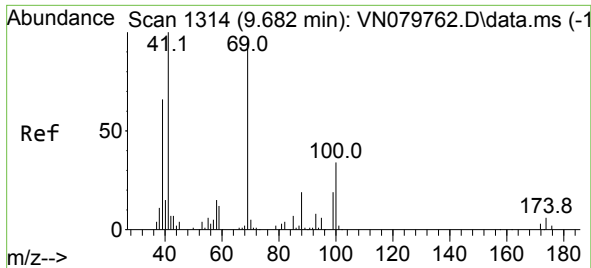
Ion Ratio Lower Upper

43 100

61 18.1 24.7 37.1#

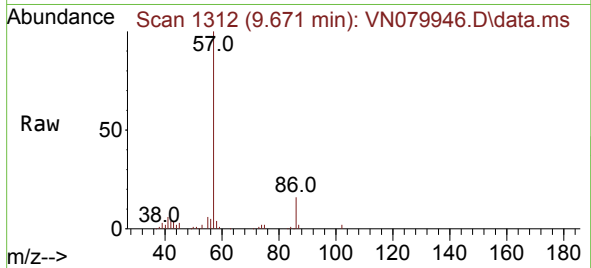
87 11.9 14.6 21.8#



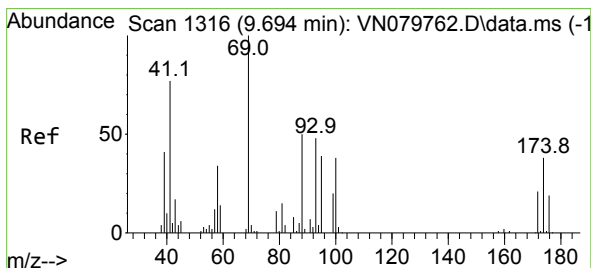
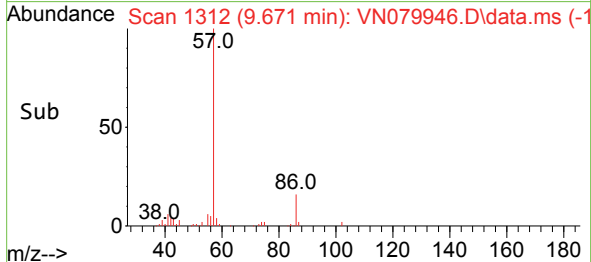
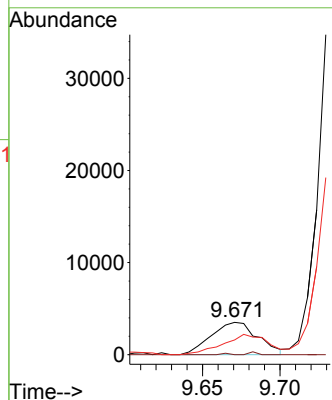


#48
Methyl methacrylate
Concen: 1.817 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Instrument :
MSVOA_N
ClientSampleId :

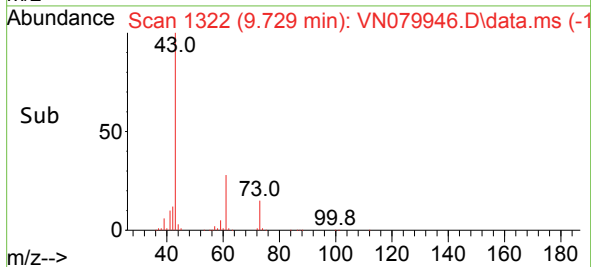
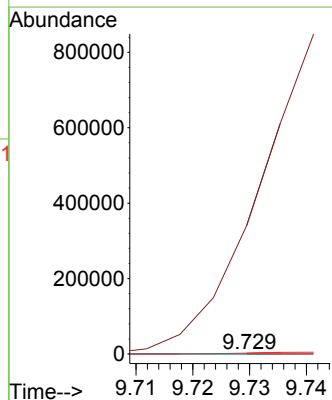
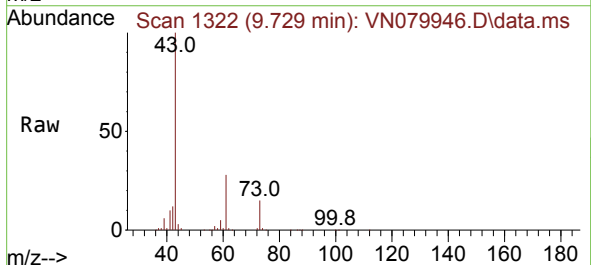


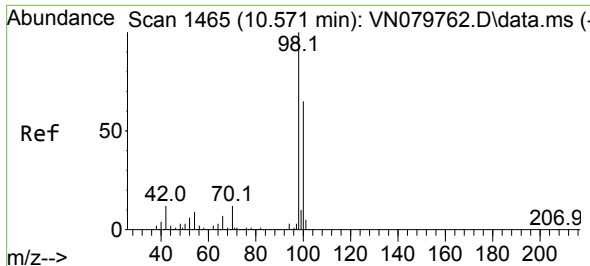
Tgt Ion: 41 Resp: 7386
Ion Ratio Lower Upper
41 100
69 1.5 90.4 135.6#
39 59.6 54.6 81.8



#49
1,4-Dioxane
Concen: 0.807 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.035 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

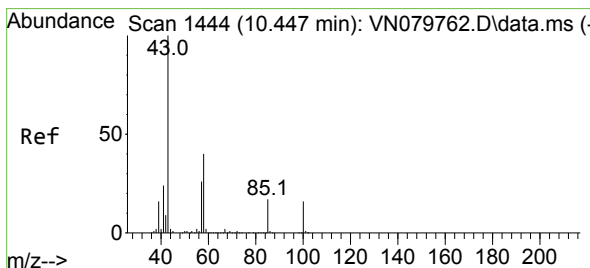
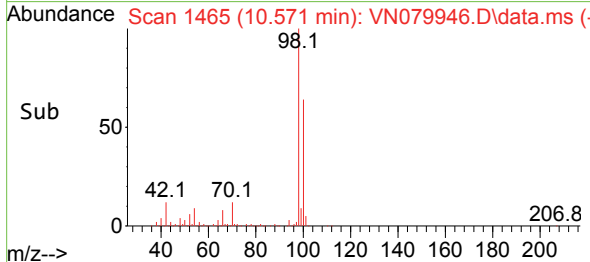
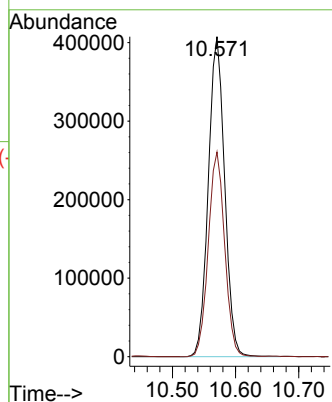
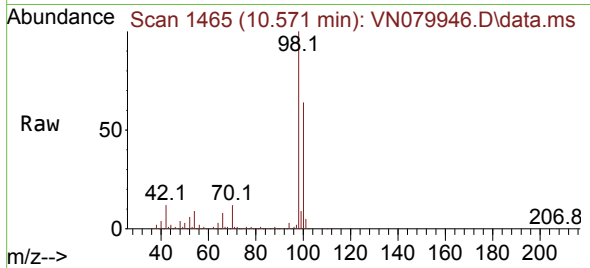




#50
Toluene-d8
Concen: 49.245 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

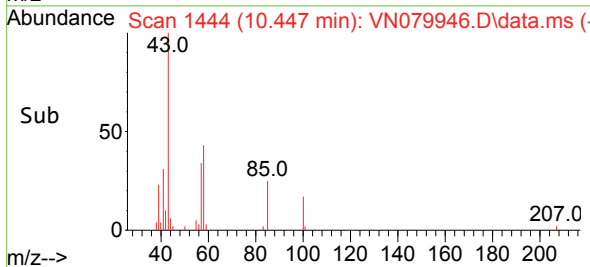
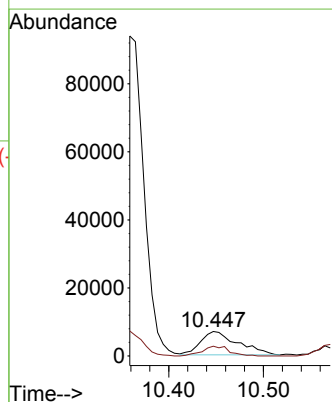
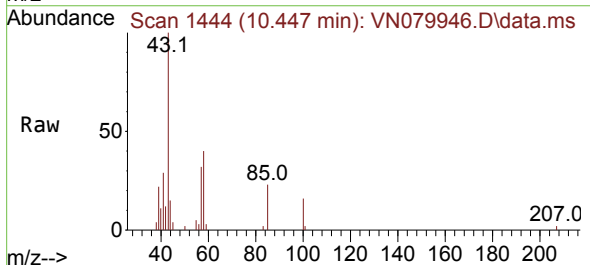
Instrument :
MSVOA_N
ClientSampleId :

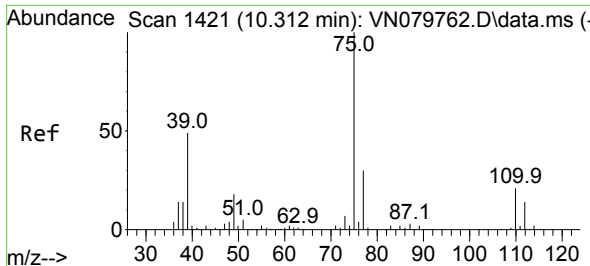
Tgt Ion: 98 Resp: 732736
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.590 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Tgt Ion: 43 Resp: 18760
Ion Ratio Lower Upper
43 100
58 30.1 36.6 54.8#

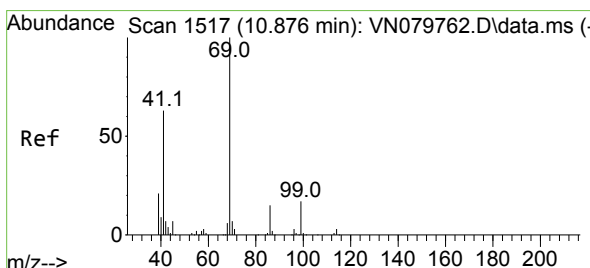
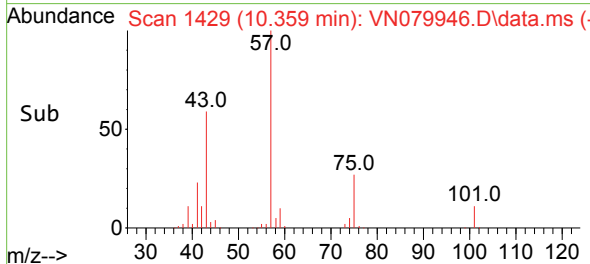
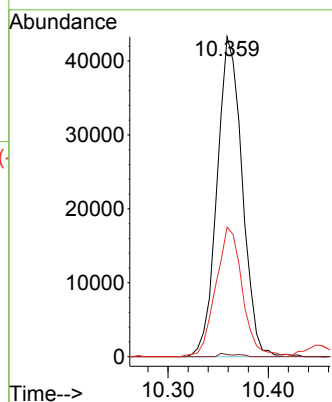
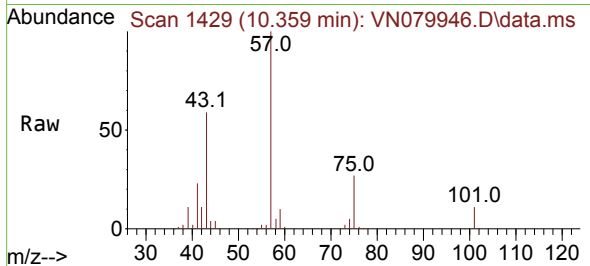




#54
 cis-1,3-Dichloropropene
 Concen: 10.926 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079946.D
 Acq: 07 Nov 2023 05:18

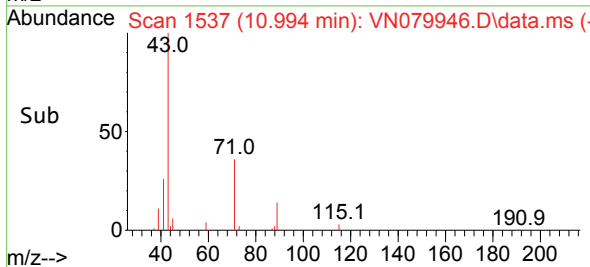
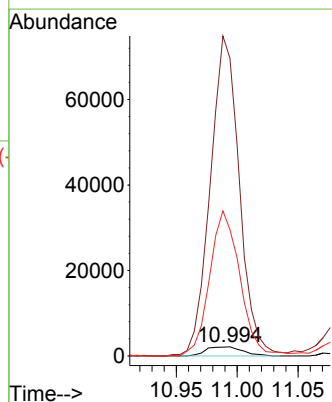
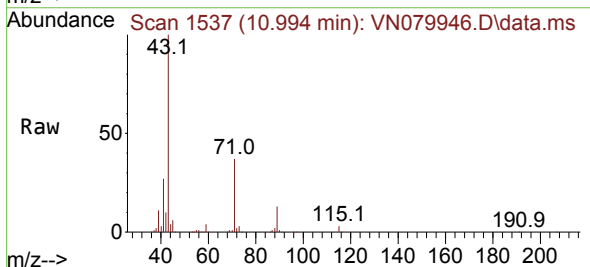
Instrument :
 MSVOA_N
 ClientSampleId :

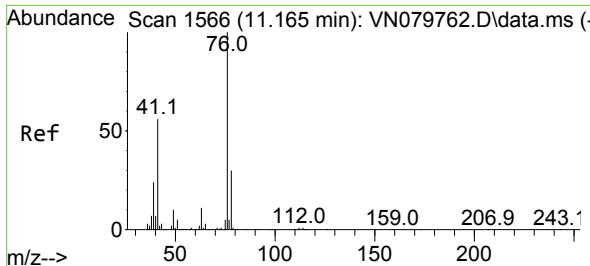
Tgt Ion: 75 Resp: 75099
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 40.4 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.769 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN079946.D
 Acq: 07 Nov 2023 05:18

Tgt Ion: 69 Resp: 4523
 Ion Ratio Lower Upper
 69 100
 41 2759.6 39.6 59.4#
 39 1303.8 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.169 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

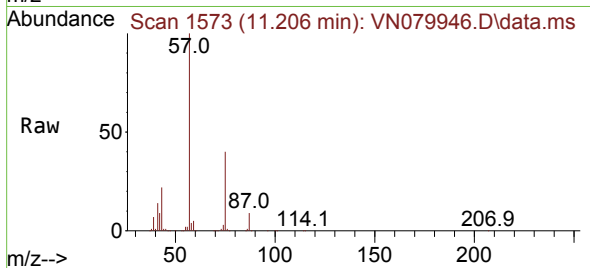
Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

Instrument :

MSVOA_N

ClientSampleId :

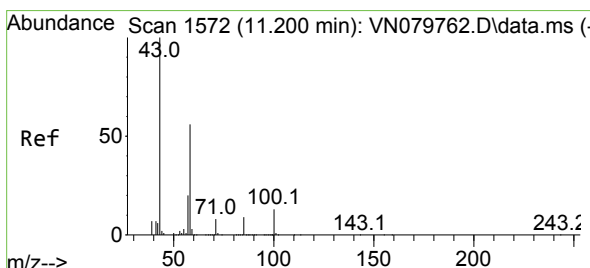
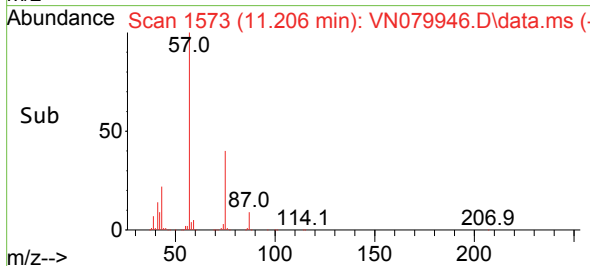
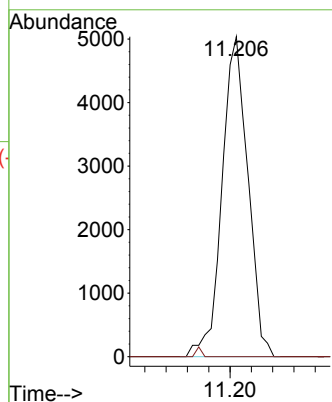


Tgt Ion: 76 Resp: 8495

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 56.158 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN079946.D

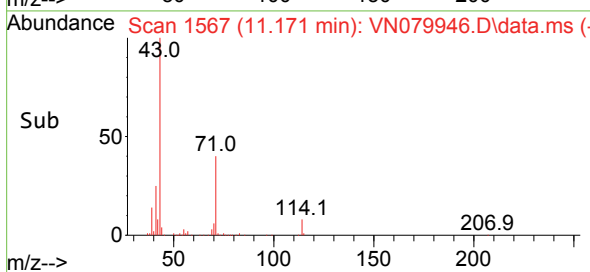
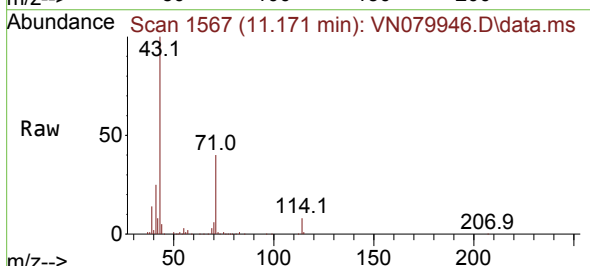
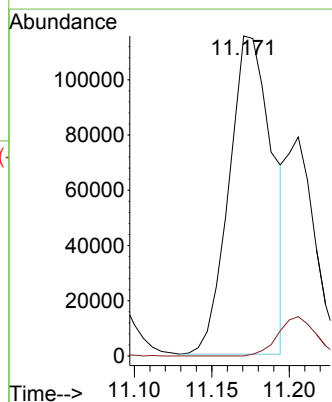
Acq: 07 Nov 2023 05:18

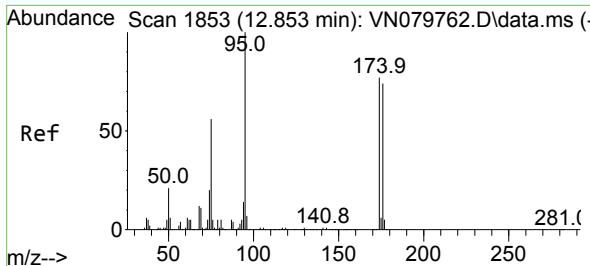
Tgt Ion: 43 Resp: 224496

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

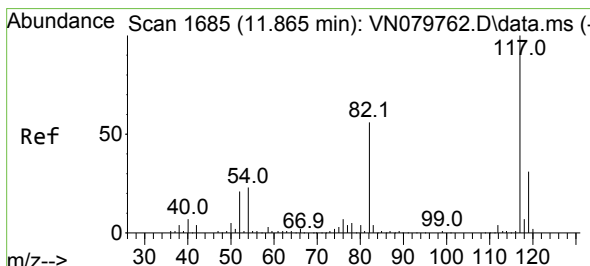
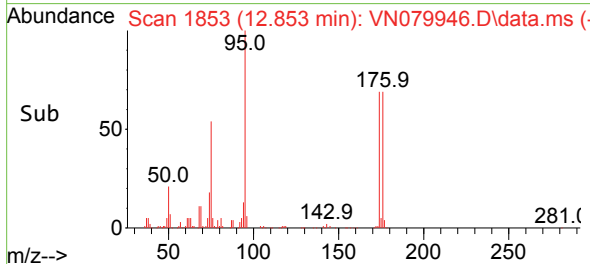
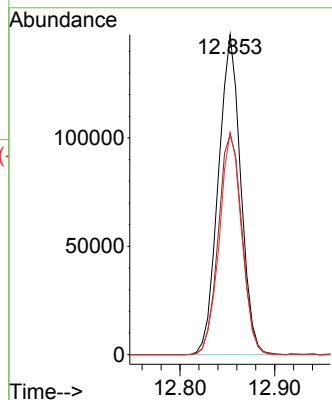
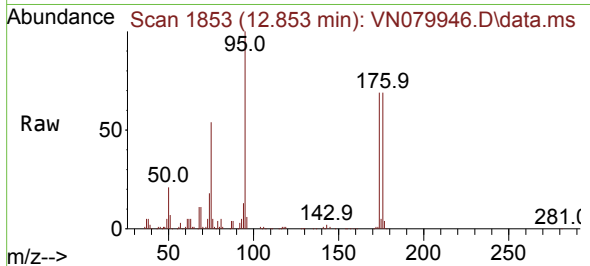




#62
4-Bromofluorobenzene
Concen: 49.050 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

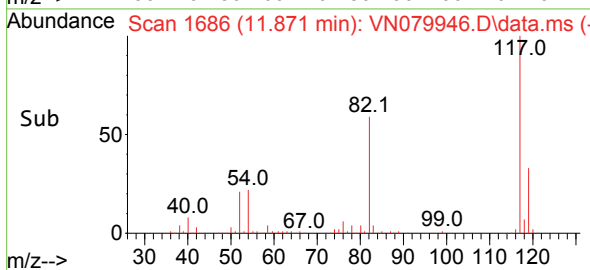
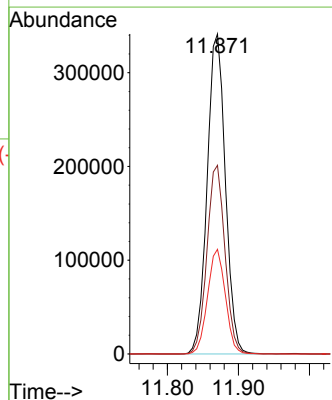
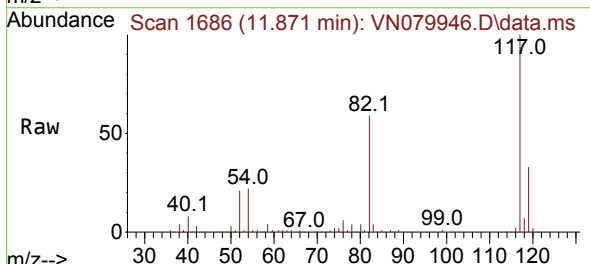
Instrument :
MSVOA_N
ClientSampleId :

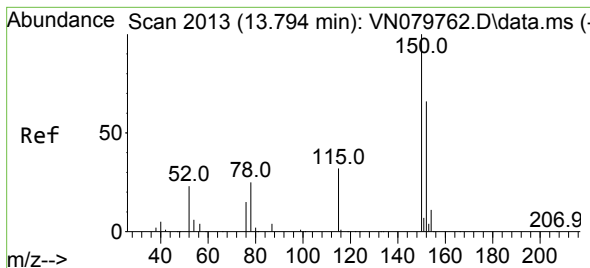
Tgt Ion: 95 Resp: 242050
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.8
176 69.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079946.D
Acq: 07 Nov 2023 05:18

Tgt Ion: 117 Resp: 608697
Ion Ratio Lower Upper
117 100
82 58.9 44.0 66.0
119 32.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

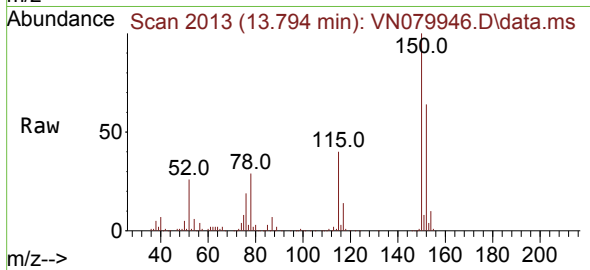
Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

Instrument :

MSVOA_N

ClientSampleId :



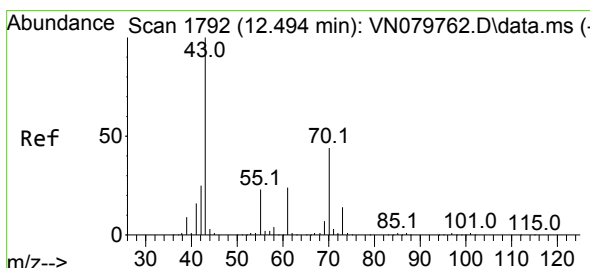
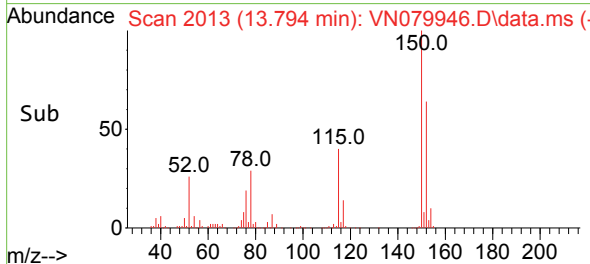
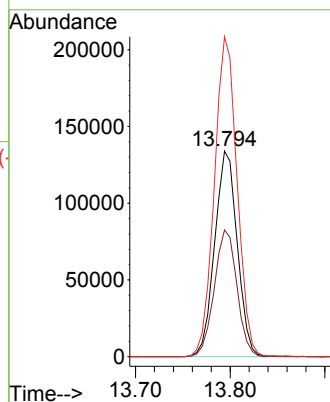
Tgt Ion:152 Resp: 222001

Ion Ratio Lower Upper

152 100

115 61.9 32.3 96.8

150 156.8 0.0 355.8



#74

N-ethyl acetate

Concen: 0.374 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

Tgt Ion: 43 Resp: 2753

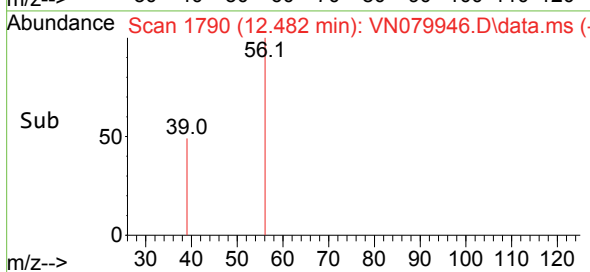
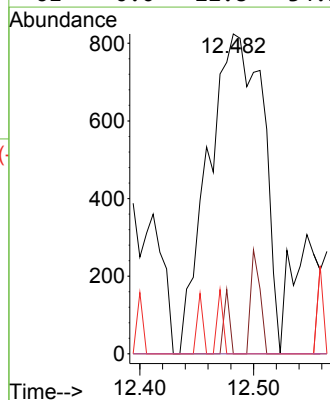
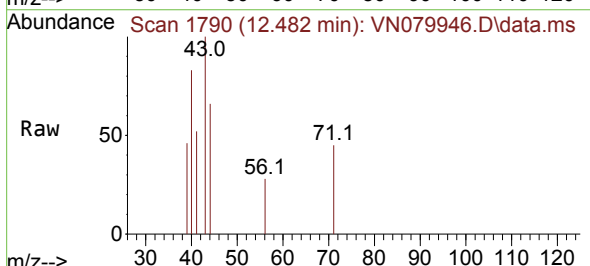
Ion Ratio Lower Upper

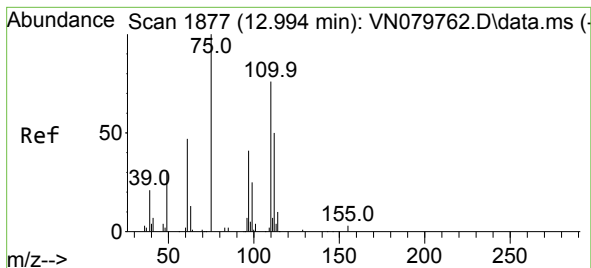
43 100

70 2.1 43.4 65.2#

55 2.1 21.4 32.0#

61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 25.454 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

Instrument :

MSVOA_N

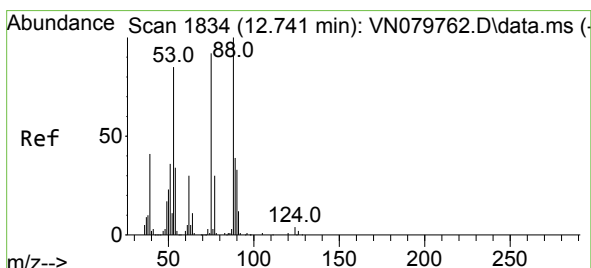
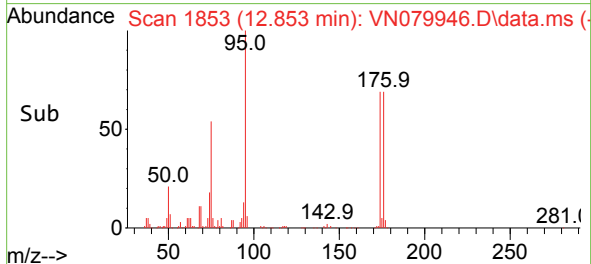
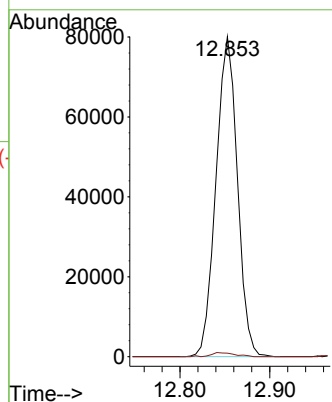
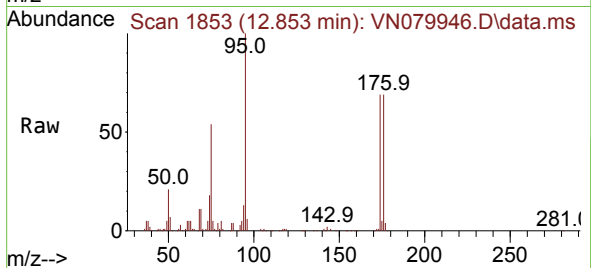
ClientSampleId :

Tgt Ion: 75 Resp: 132663

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.254 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079946.D

Acq: 07 Nov 2023 05:18

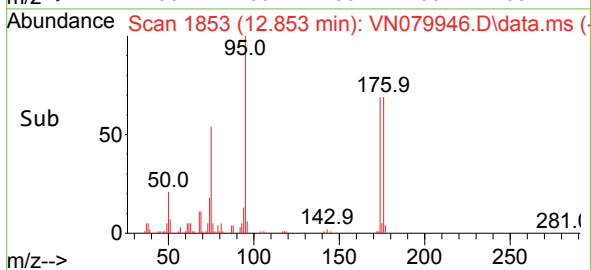
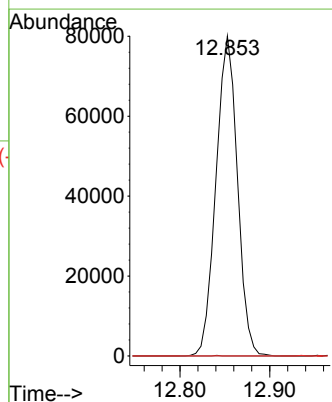
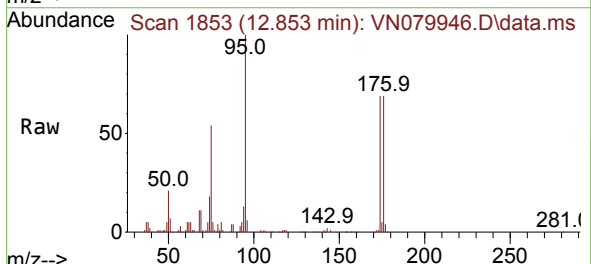
Tgt Ion: 75 Resp: 132663

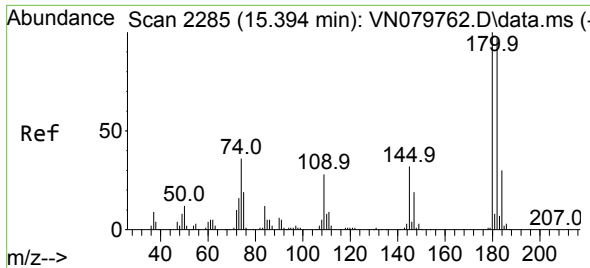
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

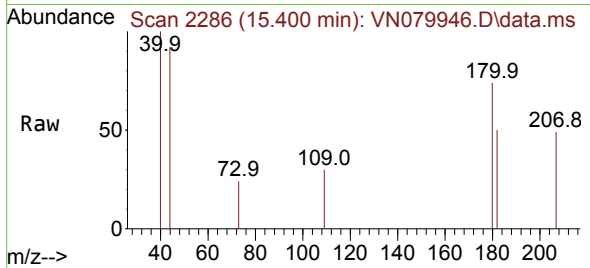
89 0.0 38.8 58.2#



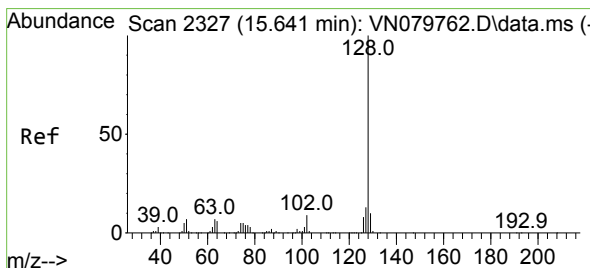
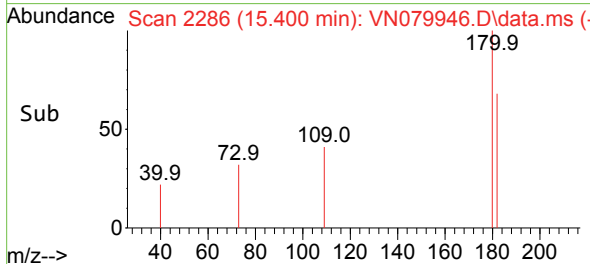
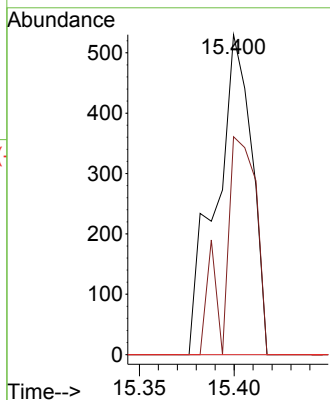


#93
 1,2,4-Trichlorobenzene
 Concen: 0.203 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN079946.D
 Acq: 07 Nov 2023 05:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 698
 Ion Ratio Lower Upper
 180 100
 182 59.7 46.1 138.2
 145 0.0 16.6 49.8#



#95
 Naphthalene
 Concen: 0.223 ug/l
 RT: 15.647 min Scan# 2328
 Delta R.T. 0.006 min
 Lab File: VN079946.D
 Acq: 07 Nov 2023 05:18

Tgt Ion:128 Resp: 2599
 Ion Ratio Lower Upper
 128 100
 127 6.5 10.0 15.0#
 129 7.3 8.7 13.1#

