

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
 Data File : VN079646.D
 Acq On : 23 Oct 2023 14:11
 Operator : JC\MD
 Sample : PB156545ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 23:50:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

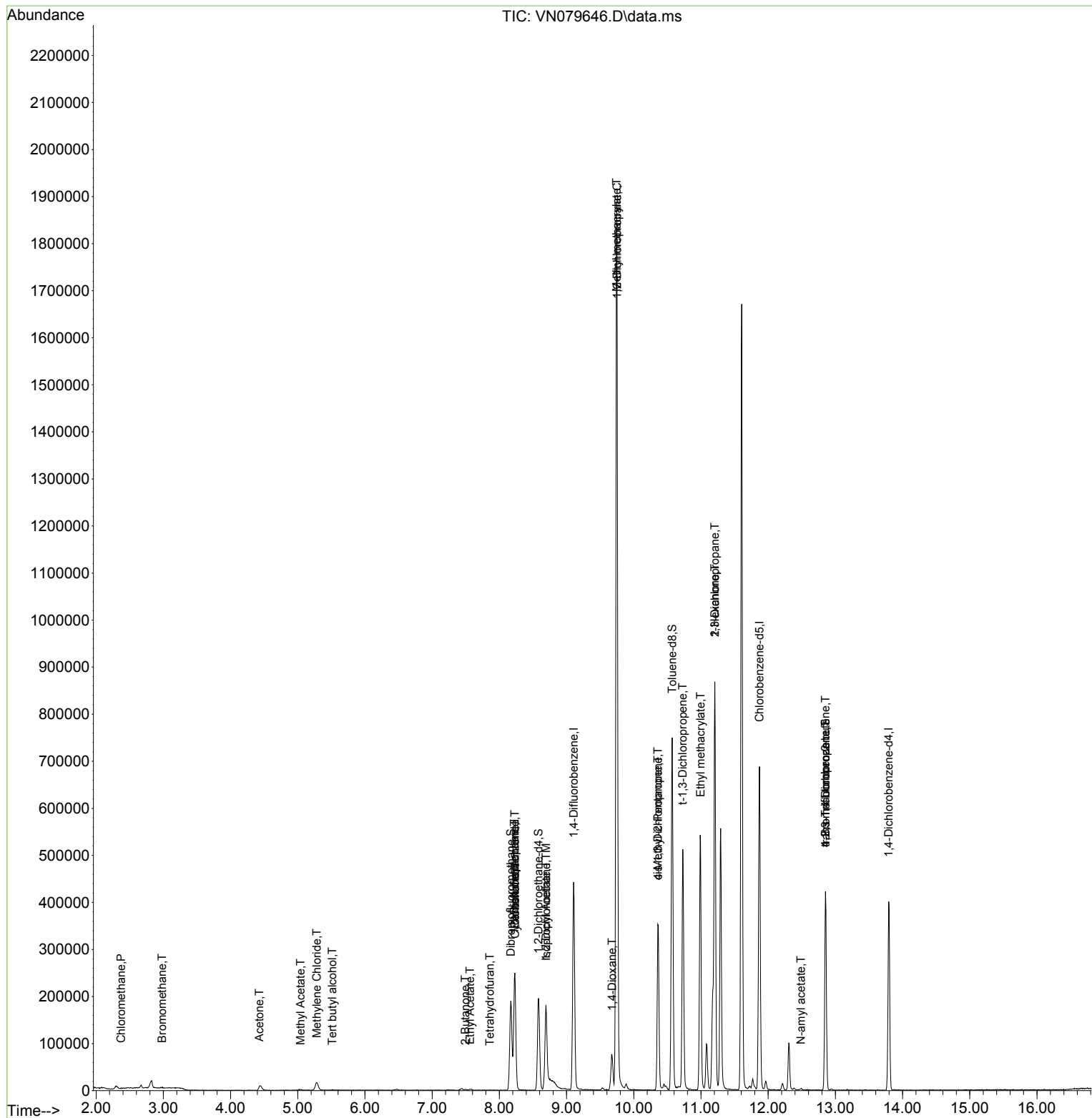
Internal Standards						
1) Pentafluorobenzene	8.230	168	173129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	367811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	388334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	161989	57.706	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.420%			
35) Dibromofluoromethane	8.171	113	133501	50.507	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.020%			
50) Toluene-d8	10.571	98	500059	52.286	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.580%			
62) 4-Bromofluorobenzene	12.853	95	140604	45.810	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.620%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	790	0.255	ug/l #	83
5) Bromomethane	2.983	94	565	0.293	ug/l #	56
11) Tert butyl alcohol	5.512	59	229	0.542	ug/l #	72
16) Acetone	4.430	43	21365	19.189	ug/l	88
18) Methyl Acetate	5.042	43	3273	0.601	ug/l #	57
20) Methylene Chloride	5.283	84	12942	4.763	ug/l #	82
25) 2-Butanone	7.494	43	3489	2.111	ug/l #	75
29) Tetrahydrofuran	7.859	42	531	0.497	ug/l #	20
31) Cyclohexane	8.235	56	5149	1.293	ug/l #	44
36) 1,1-Dichloropropene	8.224	75	15992	4.031	ug/l #	48
37) Ethyl Acetate	7.565	43	4872	1.234	ug/l #	69
38) Carbon Tetrachloride	8.230	117	19232	4.843	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1068	0.249	ug/l #	73
43) Isopropyl Acetate	8.694	43	222377	32.155	ug/l #	75
45) 1,2-Dichloropropane	9.753	63	2265	0.730	ug/l #	45
48) Methyl methacrylate	9.747	41	176182	59.451	ug/l #	29
49) 1,4-Dioxane	9.677	88	61	1.117	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	133724	34.254	ug/l #	41
53) t-1,3-Dichloropropene	10.729	75	1292	0.310	ug/l #	51
54) cis-1,3-Dichloropropene	10.359	75	60958	13.361	ug/l #	71
56) Ethyl methacrylate	10.994	69	3277	0.857	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8685	1.807	ug/l #	43
59) 2-Hexanone	11.206	43	107024	37.991	ug/l #	48
74) N-amyl acetate	12.488	43	2178	0.548	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.853	83	54	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	80176	26.681	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	80176	77.416	ug/l #	15

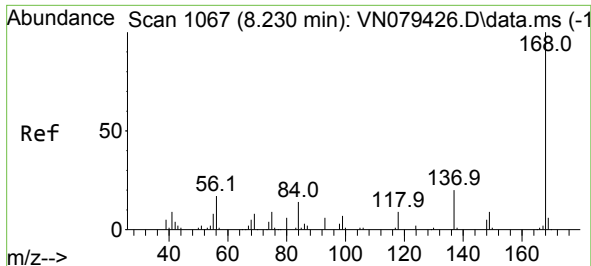
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
Data File : VN079646.D
Acq On : 23 Oct 2023 14:11
Operator : JC\MD
Sample : PB156545ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

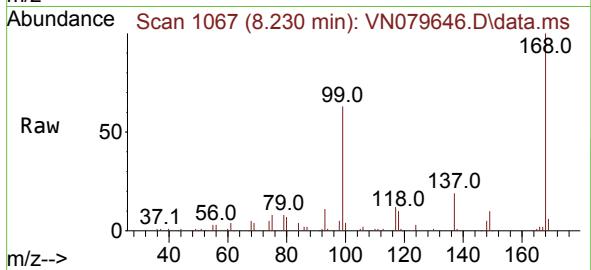
Quant Time: Oct 23 23:50:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



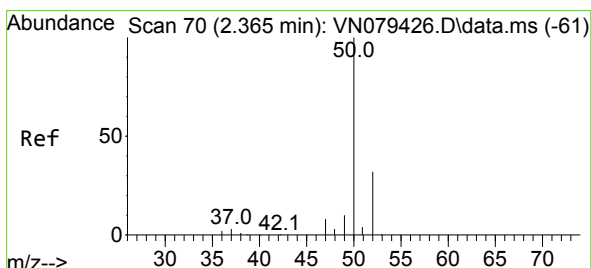
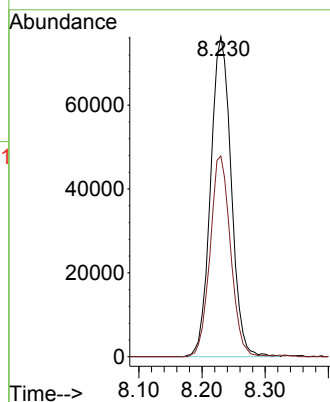
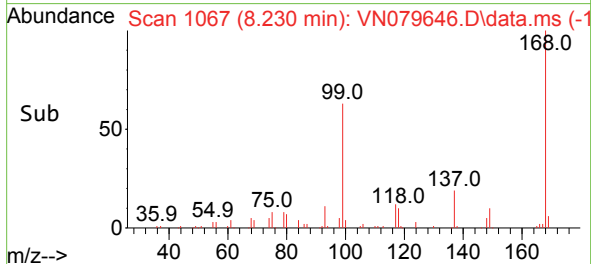


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :

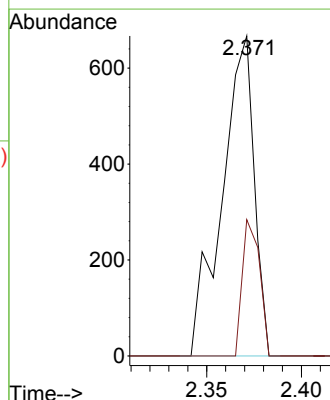
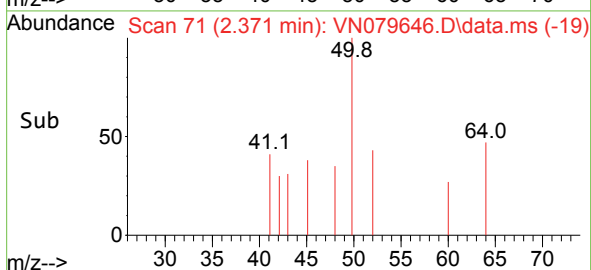
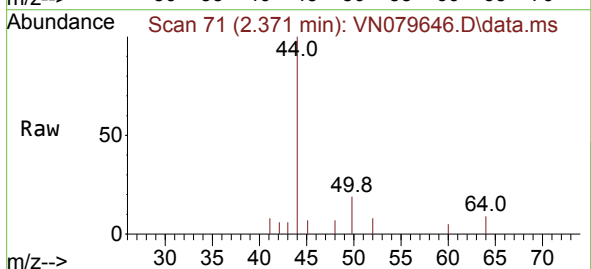


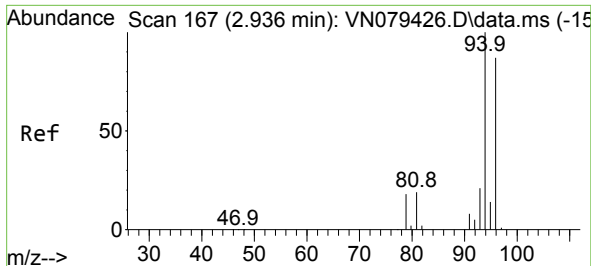
Tgt Ion:168 Resp: 173129
Ion Ratio Lower Upper
168 100
99 62.8 53.0 79.6



#3
Chloromethane
Concen: 0.255 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

Tgt Ion: 50 Resp: 790
Ion Ratio Lower Upper
50 100
52 42.6 26.5 39.7#

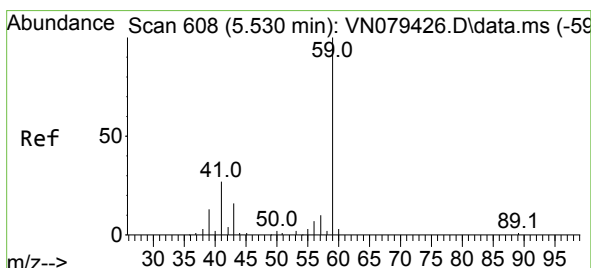
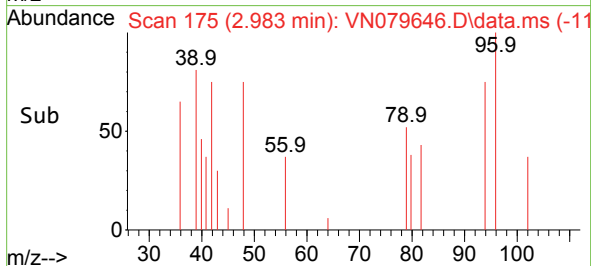
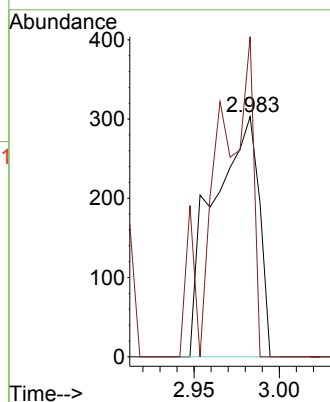
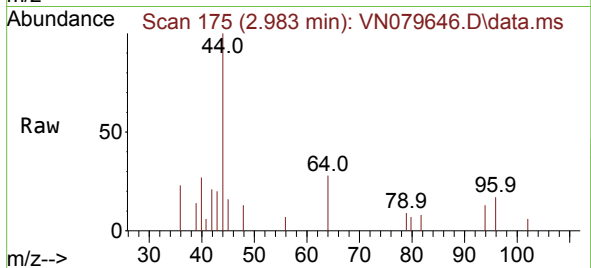




#5
Bromomethane
Concen: 0.293 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

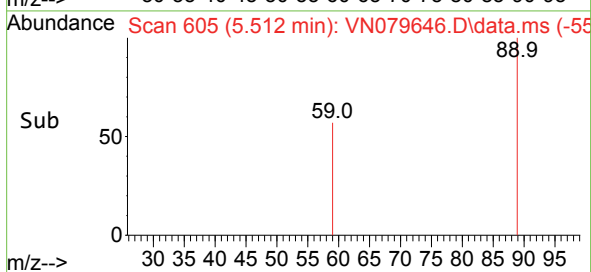
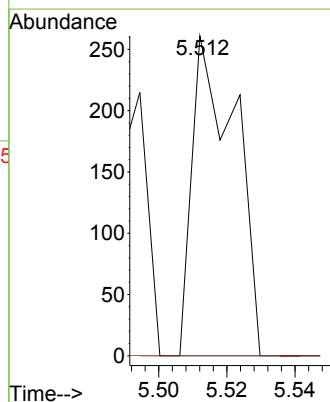
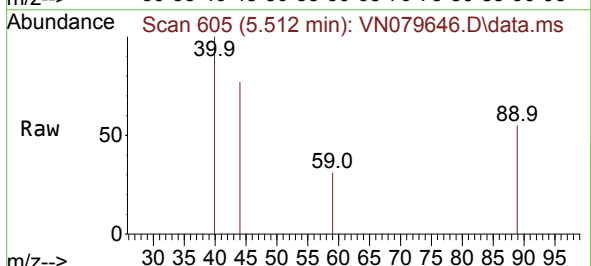
Instrument :
MSVOA_N
ClientSampleId :

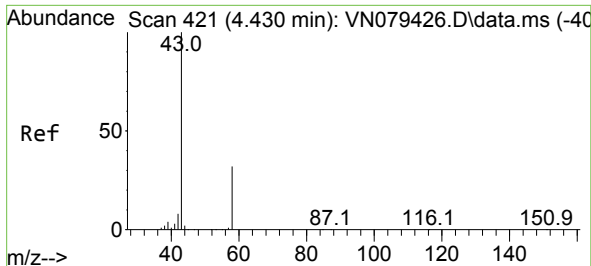
Tgt Ion: 94 Resp: 565
Ion Ratio Lower Upper
94 100
96 133.3 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.542 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.018 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

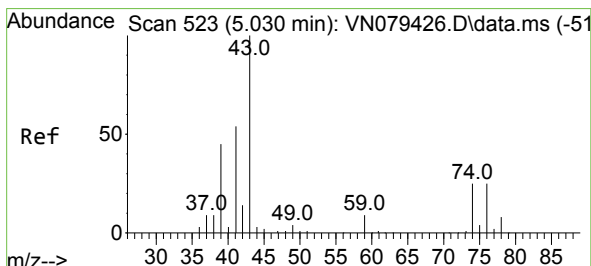
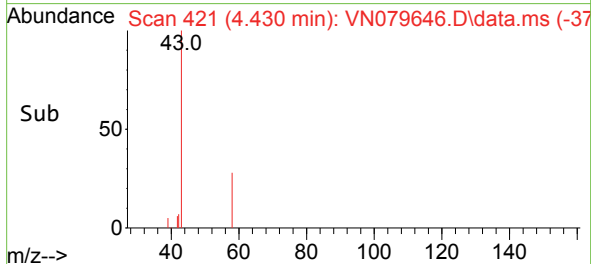
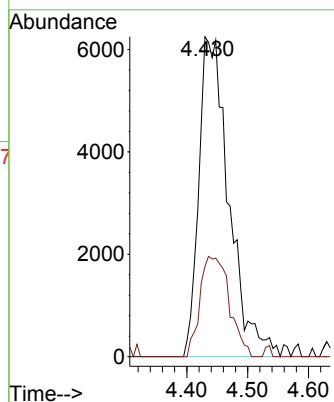
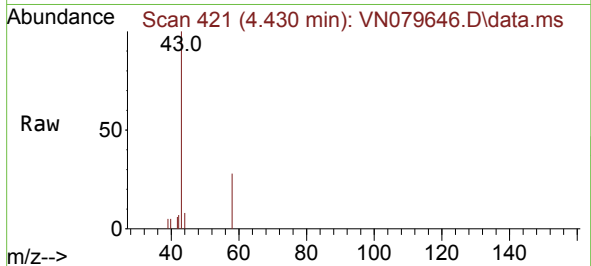




#16
Acetone
Concen: 19.189 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

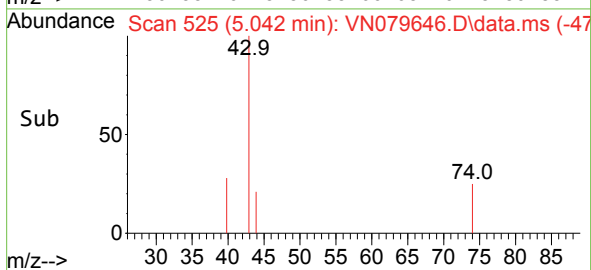
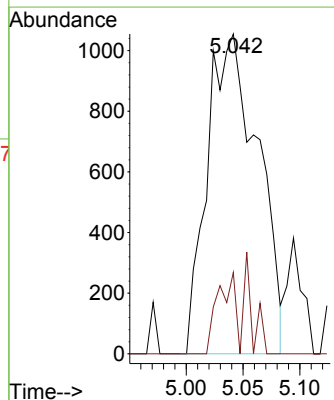
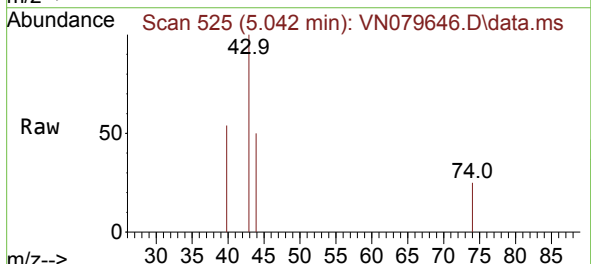
Instrument :
MSVOA_N
ClientSampleId :

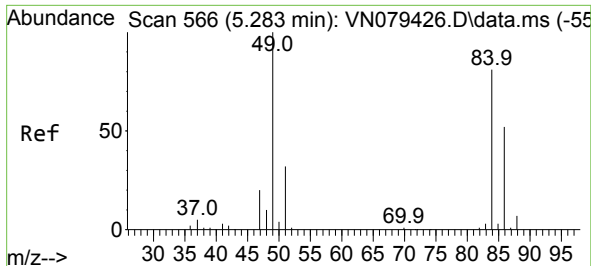
Tgt Ion: 43 Resp: 21365
Ion Ratio Lower Upper
43 100
58 28.2 28.0 42.0



#18
Methyl Acetate
Concen: 0.601 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

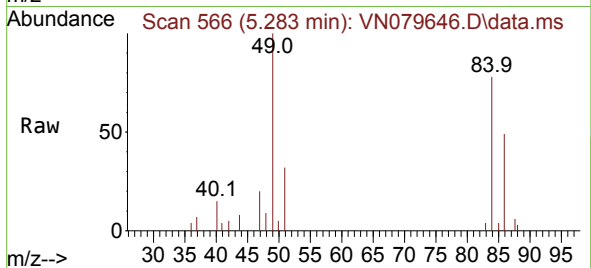
Tgt Ion: 43 Resp: 3273
Ion Ratio Lower Upper
43 100
74 8.8 26.2 39.4#



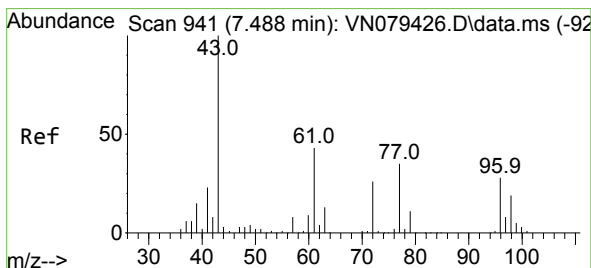
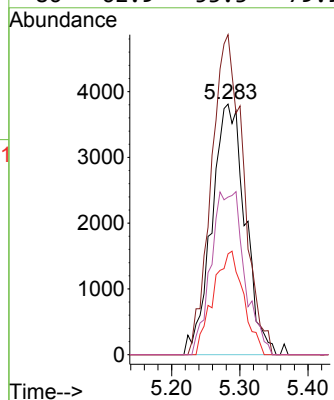


#20
Methylene Chloride
Concen: 4.763 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :

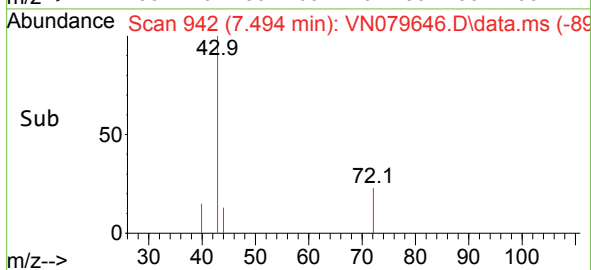
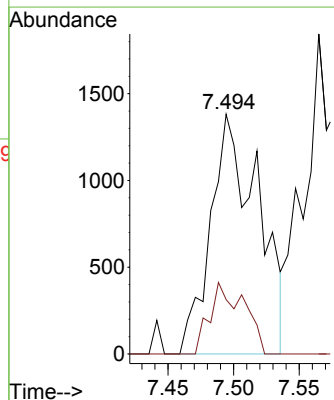
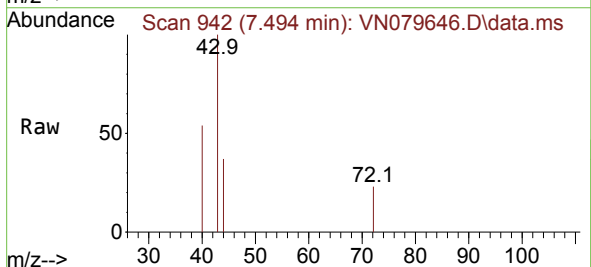


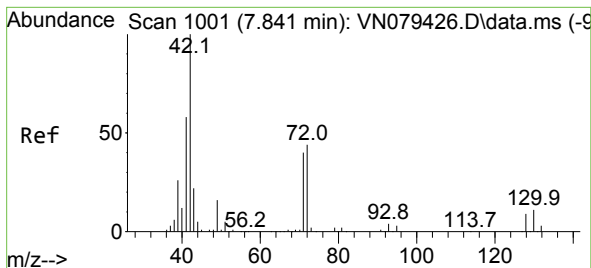
Tgt Ion:	84	Resp:	12942
Ion	Ratio	Lower	Upper
84	100		
49	127.7	79.7	119.5#
51	40.2	25.2	37.8#
86	62.9	53.3	79.9



#25
2-Butanone
Concen: 2.111 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

Tgt Ion:	43	Resp:	3489
Ion	Ratio	Lower	Upper
43	100		
72	22.7	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.497 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.018 min

Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

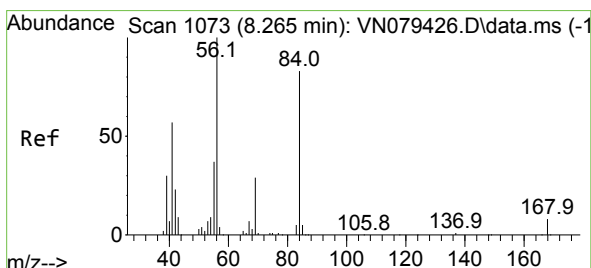
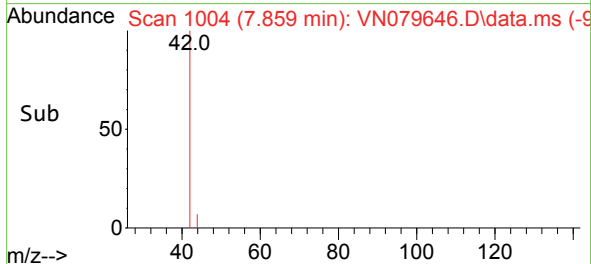
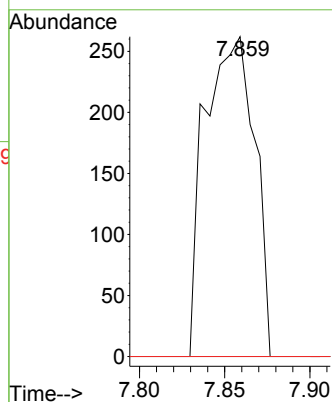
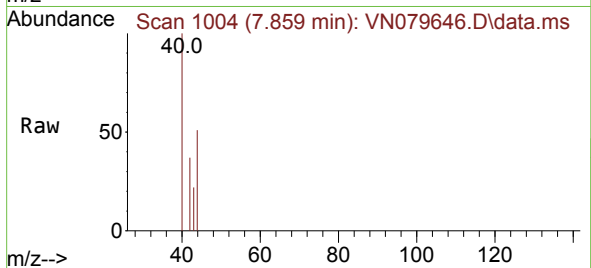
Tgt Ion: 42 Resp: 531

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.293 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.029 min

Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

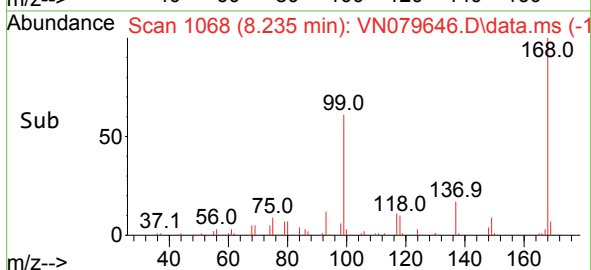
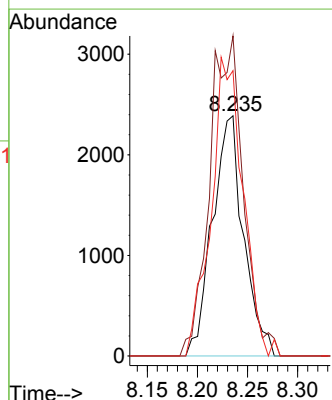
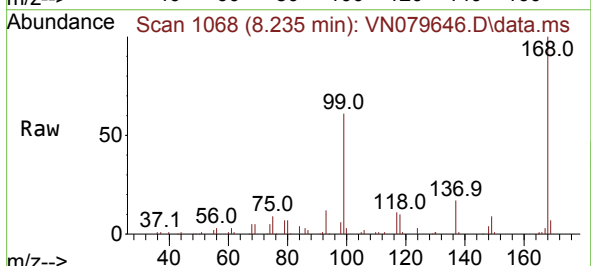
Tgt Ion: 56 Resp: 5149

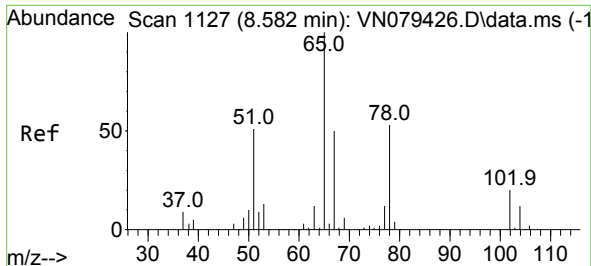
Ion Ratio Lower Upper

56 100

69 133.2 26.8 40.2#

84 118.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 57.706 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

Instrument :

MSVOA_N

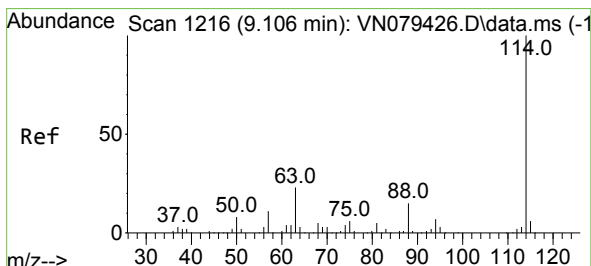
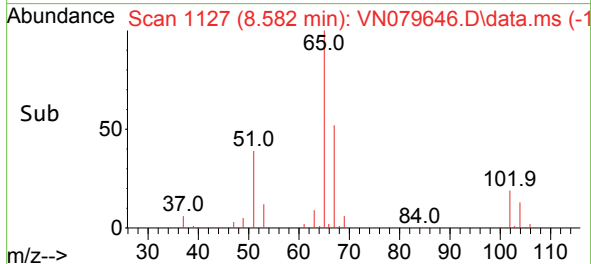
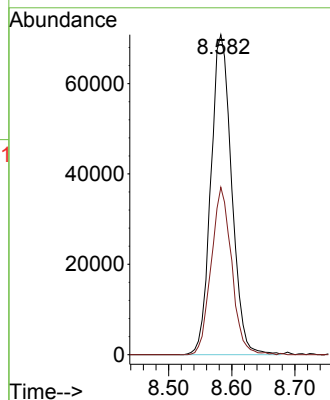
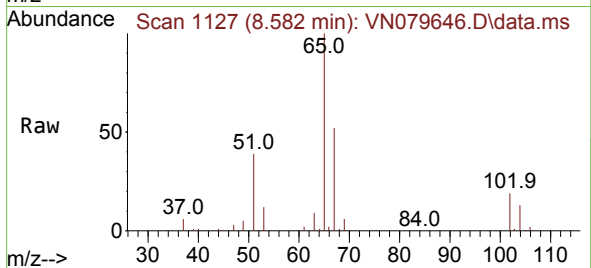
ClientSampleId :

Tgt Ion: 65 Resp: 161989

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

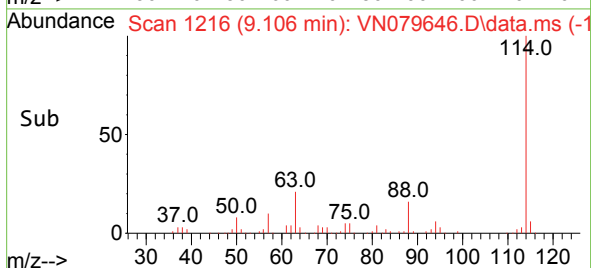
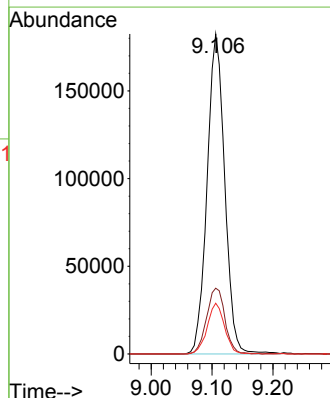
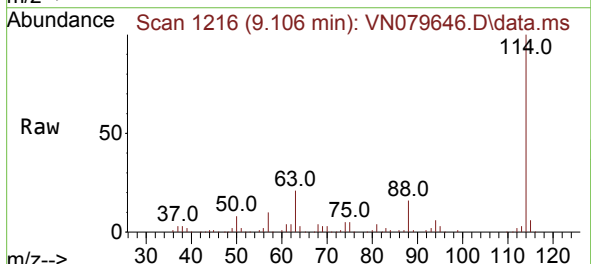
Tgt Ion: 114 Resp: 367811

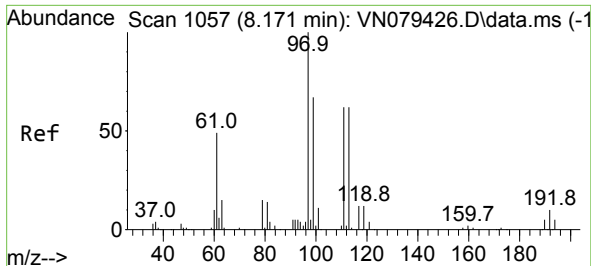
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.507 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

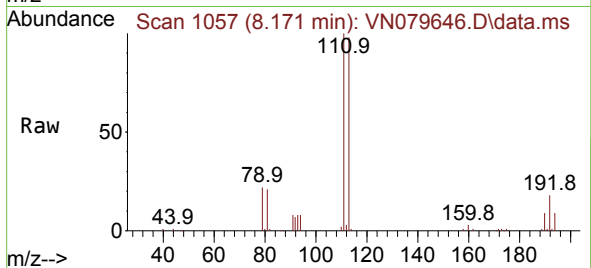
Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :



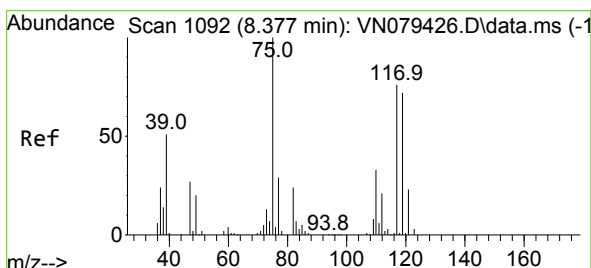
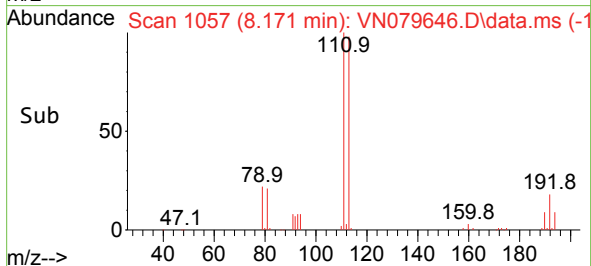
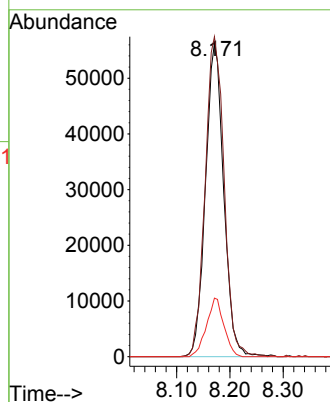
Tgt Ion:113 Resp: 133501

Ion Ratio Lower Upper

113 100

111 106.2 82.6 123.8

192 17.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.031 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

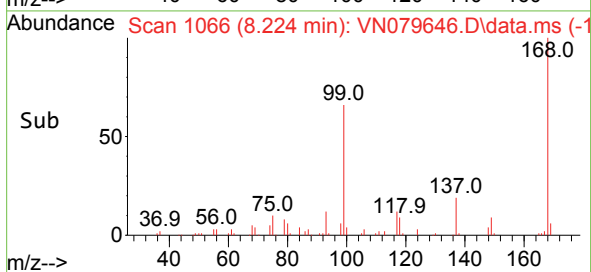
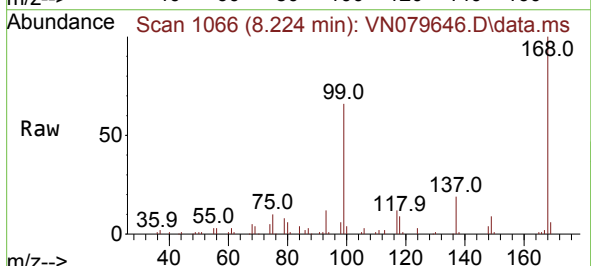
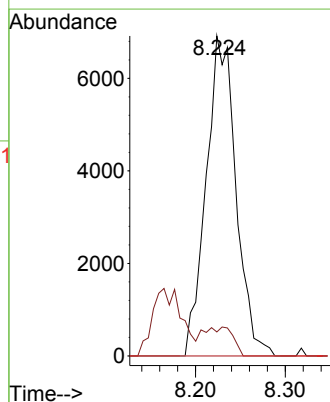
Tgt Ion: 75 Resp: 15992

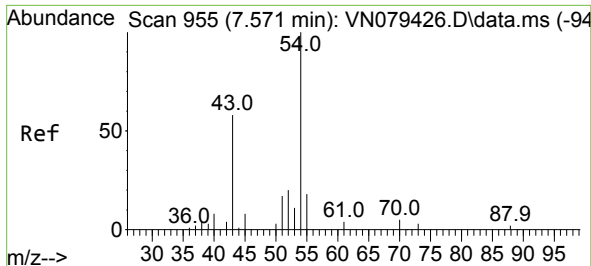
Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.234 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

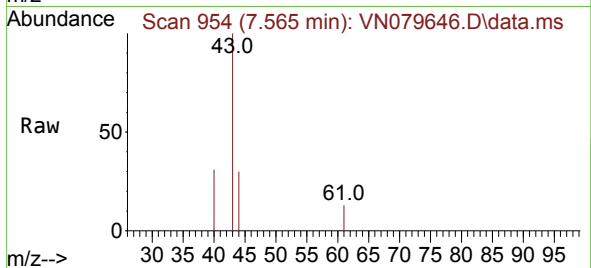
Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

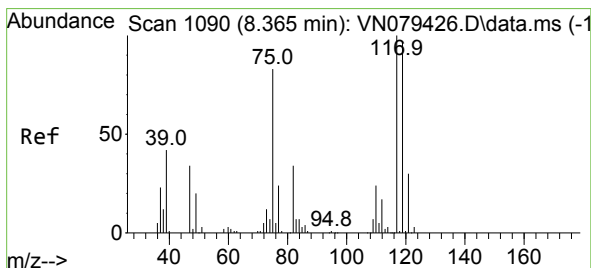
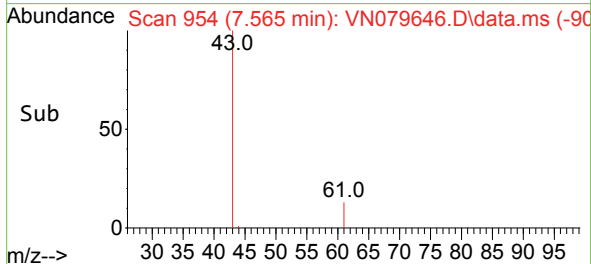
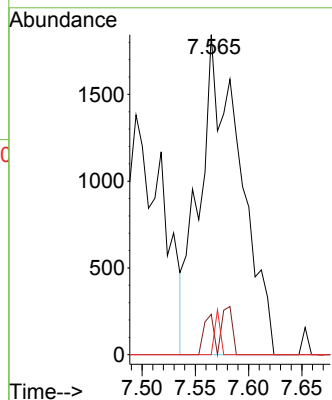
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4872
Ion	Ratio	Lower	Upper
43	100		
61	3.1	13.2	19.8#
70	1.9	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.843 ug/l

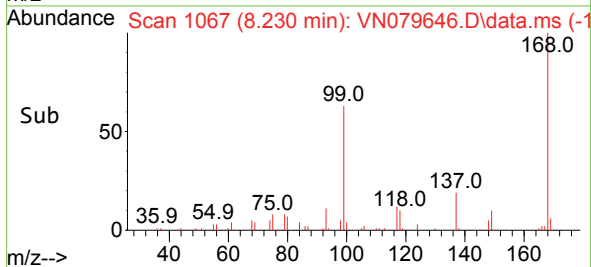
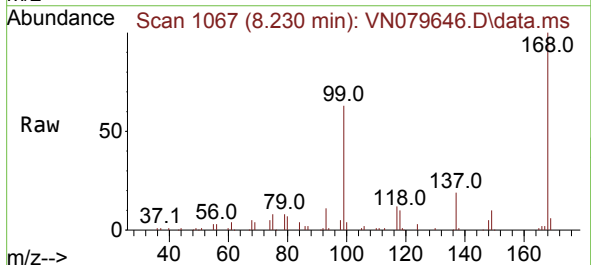
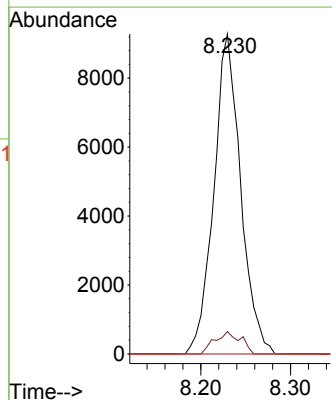
RT: 8.230 min Scan# 1067

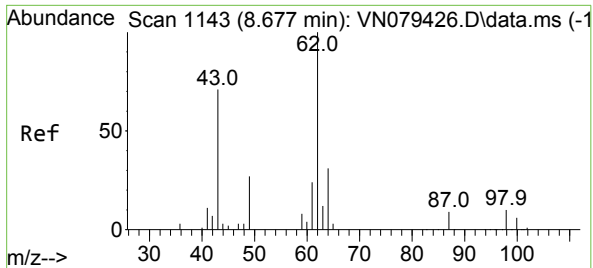
Delta R.T. -0.135 min

Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

Tgt Ion:	117	Resp:	19232
Ion	Ratio	Lower	Upper
117	100		
119	7.0	77.3	115.9#
121	0.0	23.3	34.9#

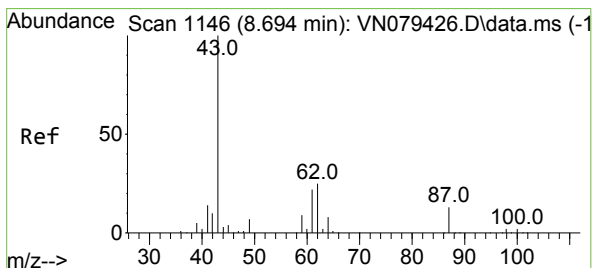
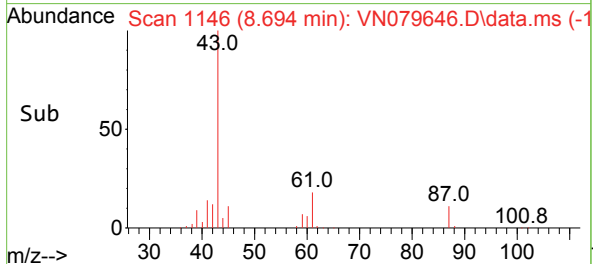
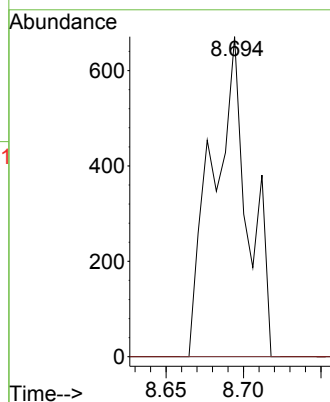
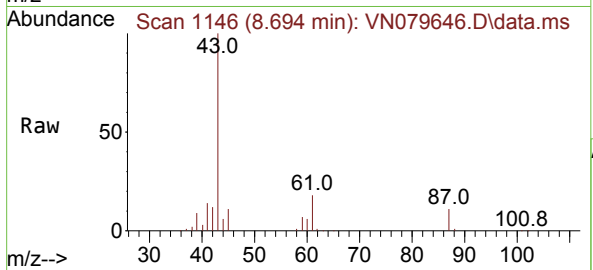




#42
1,2-Dichloroethane
Concen: 0.249 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.018 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

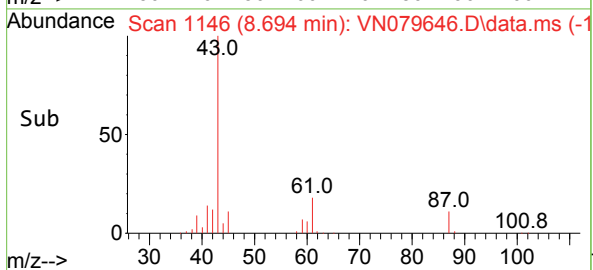
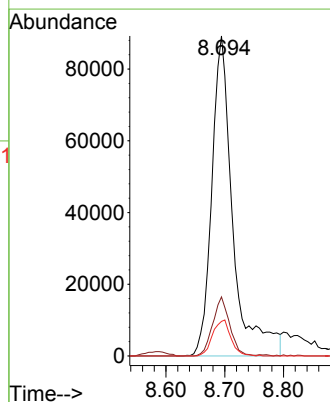
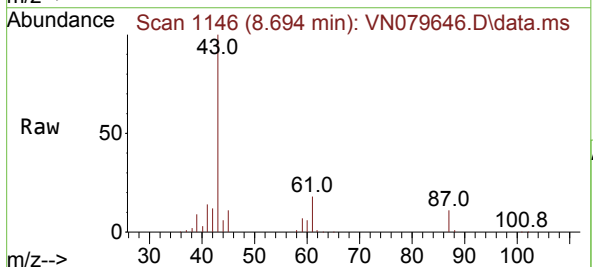
Instrument :
MSVOA_N
ClientSampleId :

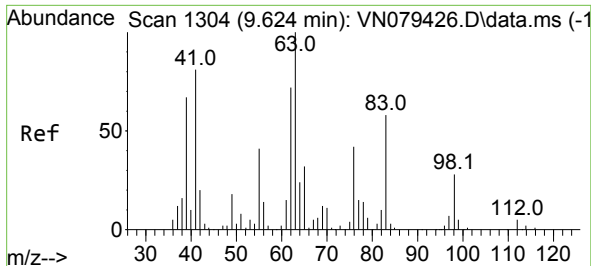
Tgt Ion: 62 Resp: 1068
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 32.155 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

Tgt Ion: 43 Resp: 222377
Ion Ratio Lower Upper
43 100
61 14.9 24.7 37.1#
87 9.7 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.730 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

Instrument :

MSVOA_N

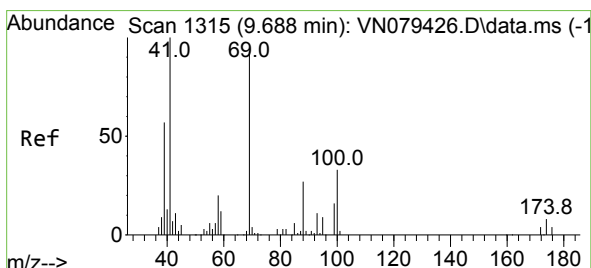
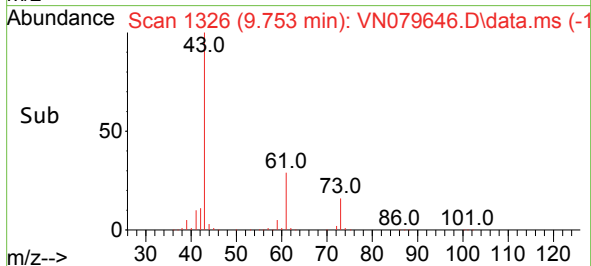
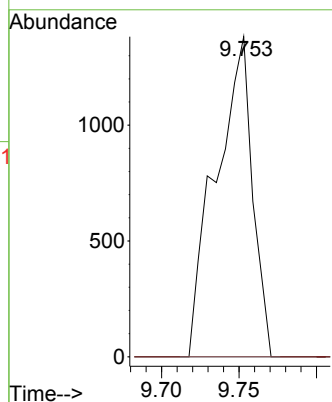
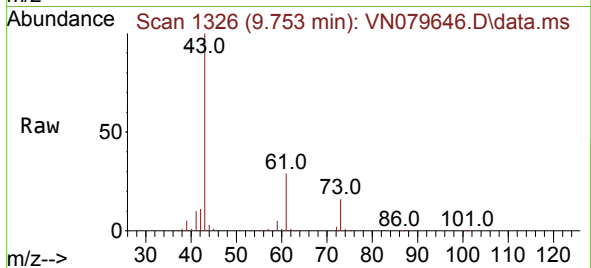
ClientSampleId :

Tgt Ion: 63 Resp: 2265

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 59.451 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

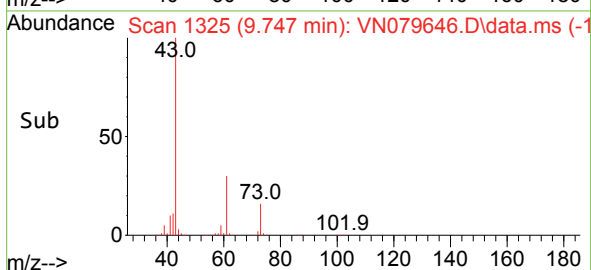
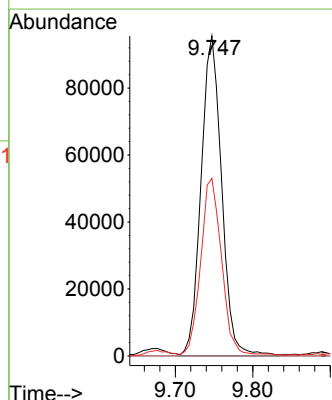
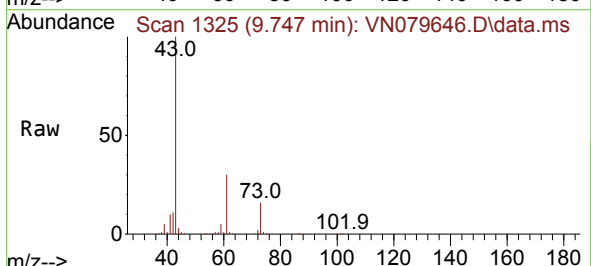
Tgt Ion: 41 Resp: 176182

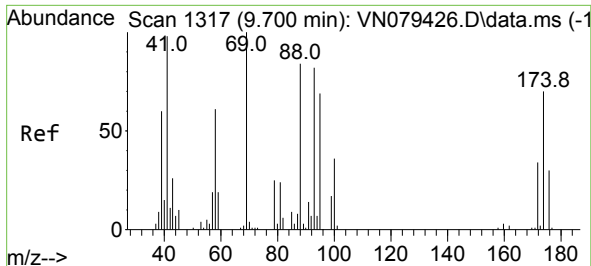
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 56.1 54.6 81.8





#49

1,4-Dioxane

Concen: 1.117 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.023 min

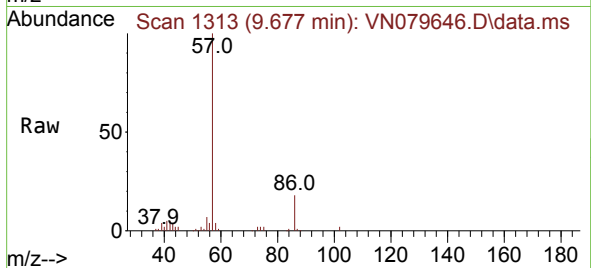
Lab File: VN079646.D

Acq: 23 Oct 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :



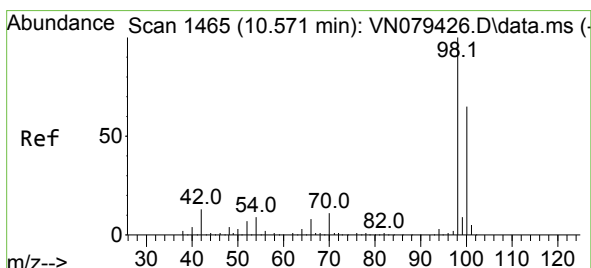
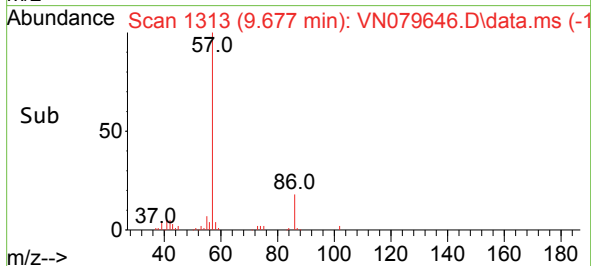
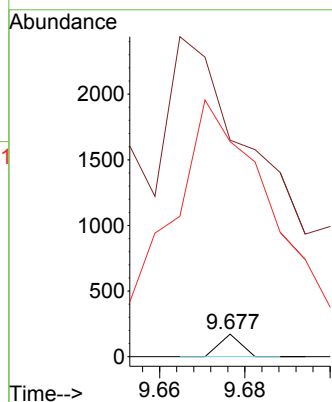
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 6229.5 47.0 70.4#



#50

Toluene-d8

Concen: 52.286 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079646.D

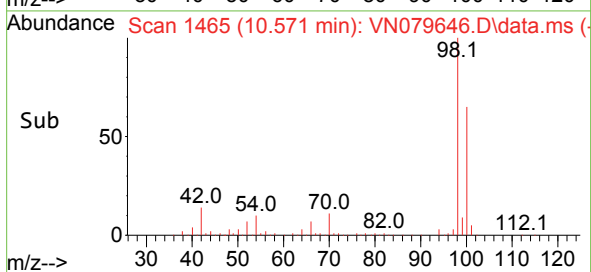
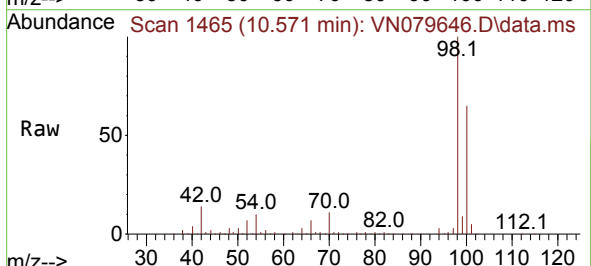
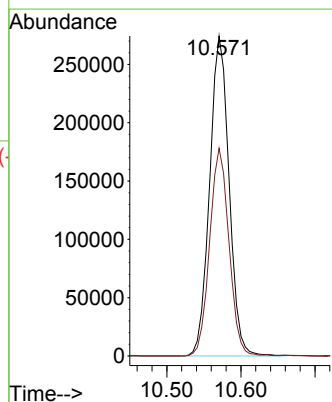
Acq: 23 Oct 2023 14:11

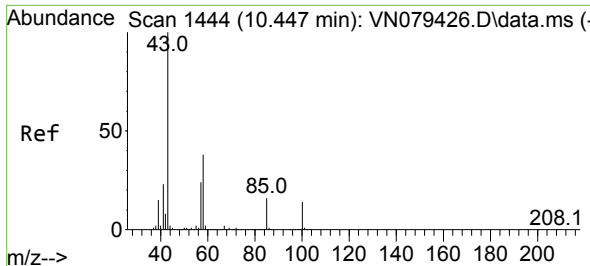
Tgt Ion: 98 Resp: 500059

Ion Ratio Lower Upper

98 100

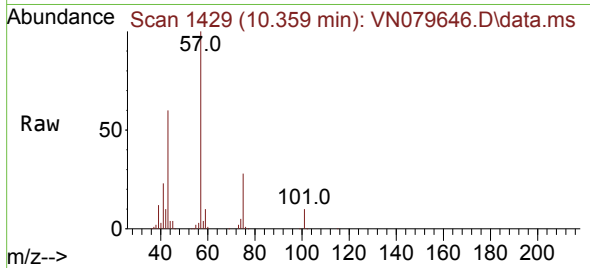
100 64.5 52.0 78.0



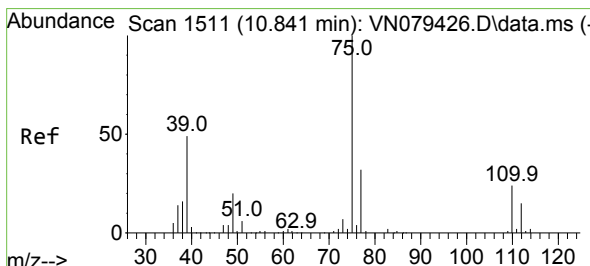
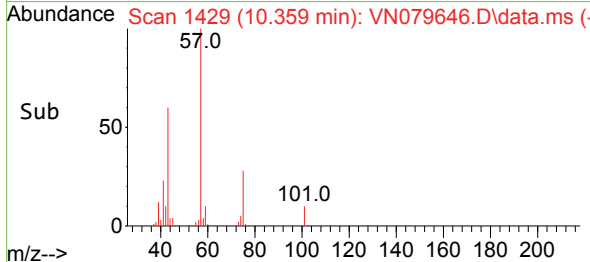
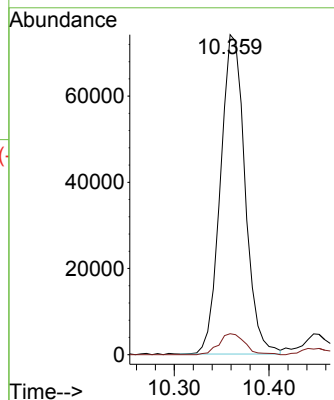


#51
4-Methyl-2-Pentanone
Concen: 34.254 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :

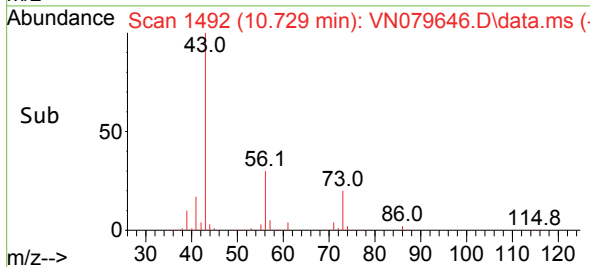
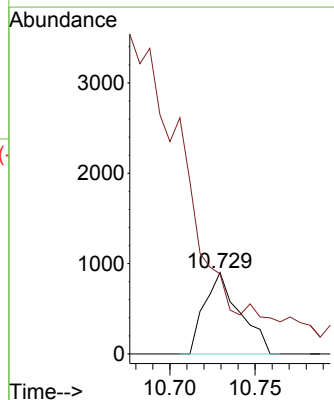
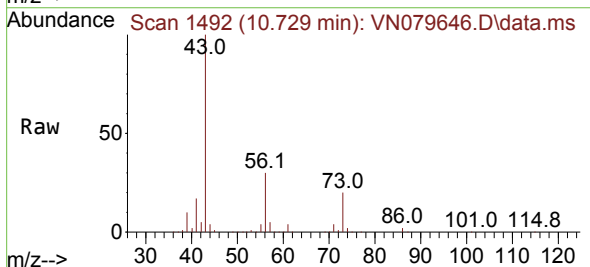


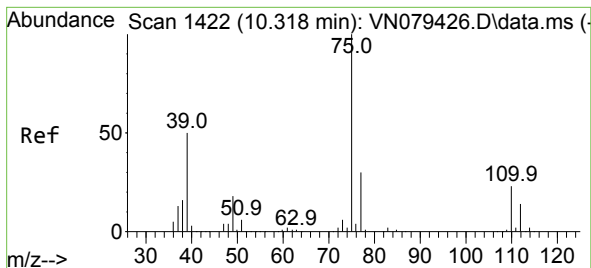
Tgt Ion: 43 Resp: 133724
Ion Ratio Lower Upper
43 100
58 7.0 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.310 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

Tgt Ion: 75 Resp: 1292
Ion Ratio Lower Upper
75 100
77 58.7 25.4 38.0#

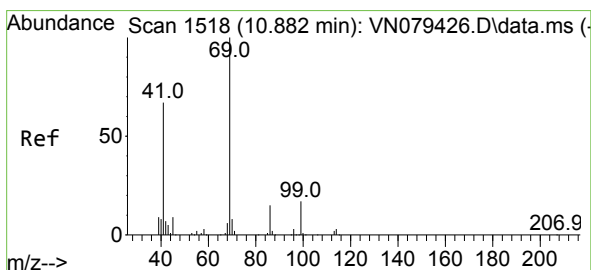
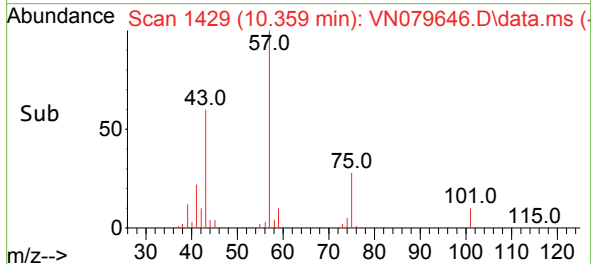
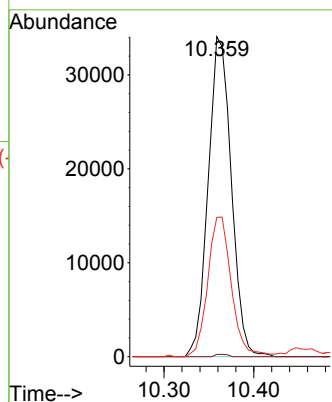
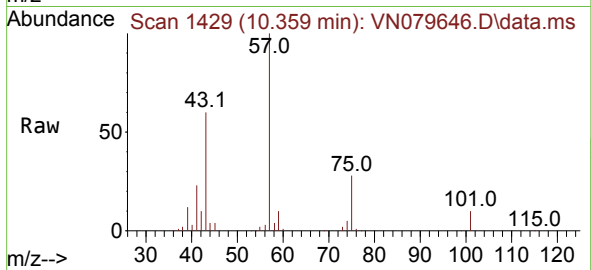




#54
 cis-1,3-Dichloropropene
 Concen: 13.361 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079646.D
 Acq: 23 Oct 2023 14:11

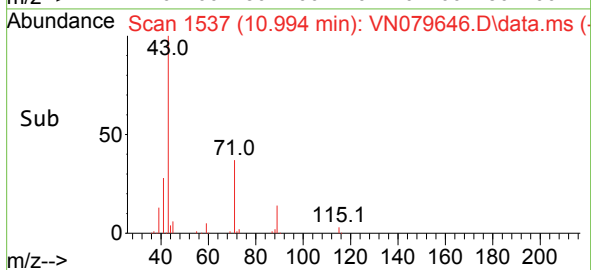
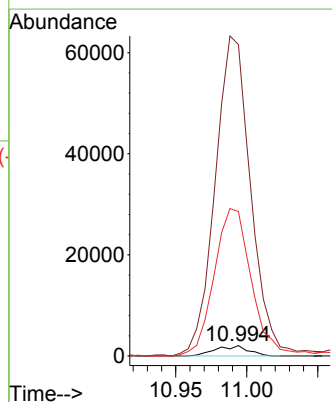
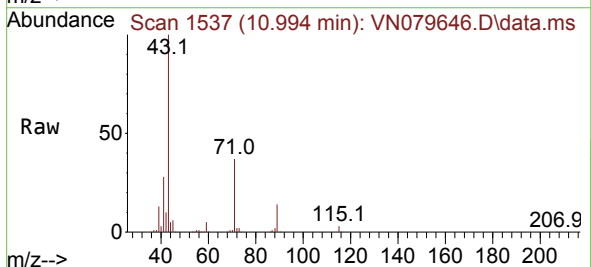
Instrument :
 MSVOA_N
 ClientSampleId :

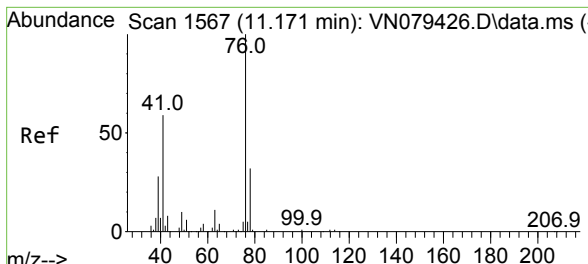
Tgt Ion: 75 Resp: 60958
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 43.6 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.857 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.112 min
 Lab File: VN079646.D
 Acq: 23 Oct 2023 14:11

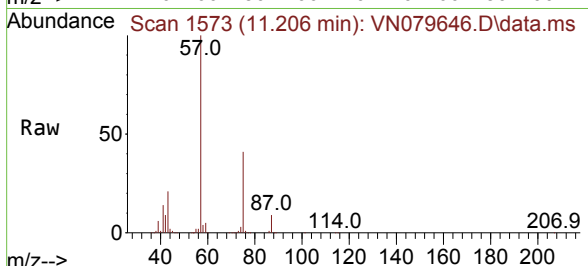
Tgt Ion: 69 Resp: 3277
 Ion Ratio Lower Upper
 69 100
 41 3391.0 39.6 59.4#
 39 1628.1 28.6 43.0#



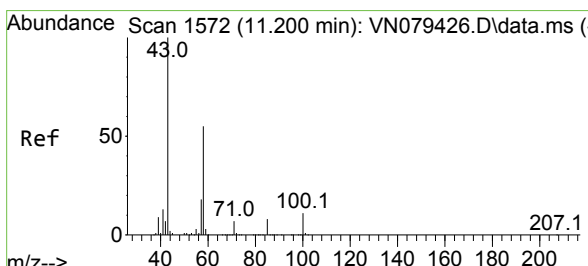
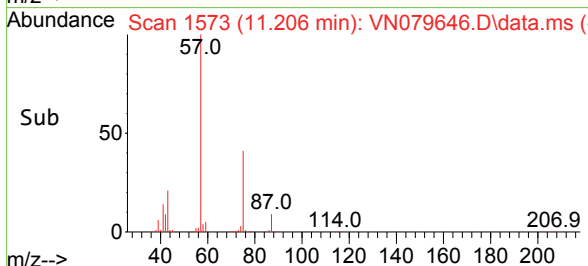
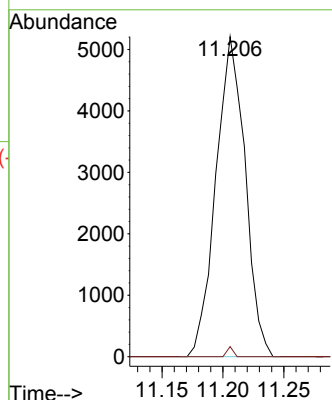


#57
 1,3-Dichloropropane
 Concen: 1.807 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN079646.D
 Acq: 23 Oct 2023 14:11

Instrument :
 MSVOA_N
 ClientSampleId :

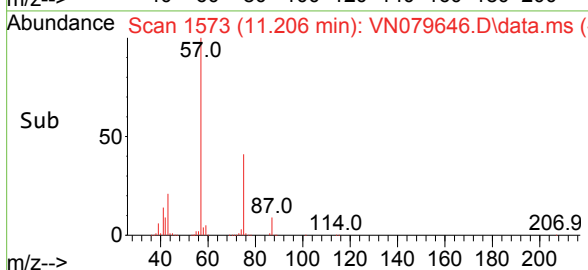
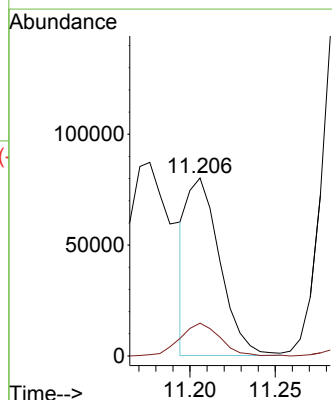
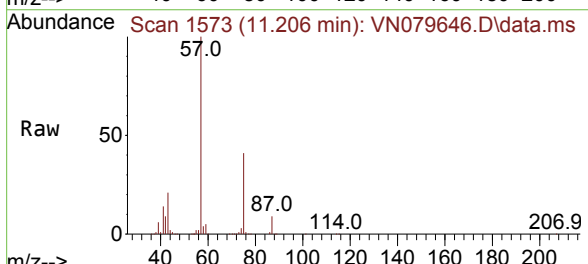


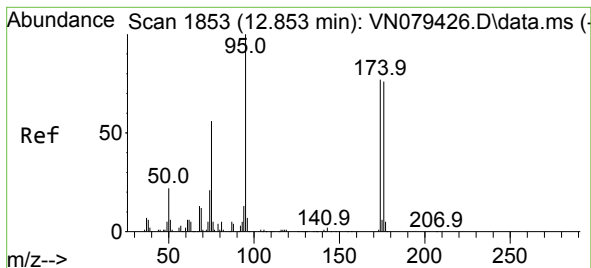
Tgt Ion: 76 Resp: 8685
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.1 39.1#



#59
 2-Hexanone
 Concen: 37.991 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.006 min
 Lab File: VN079646.D
 Acq: 23 Oct 2023 14:11

Tgt Ion: 43 Resp: 107024
 Ion Ratio Lower Upper
 43 100
 58 22.8 31.7 95.1#

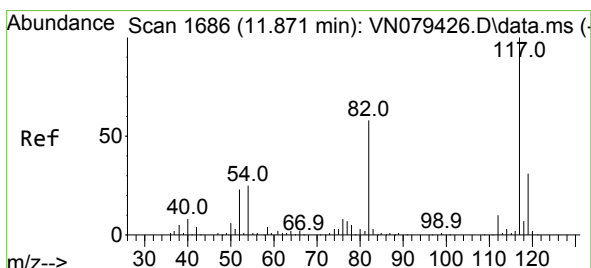
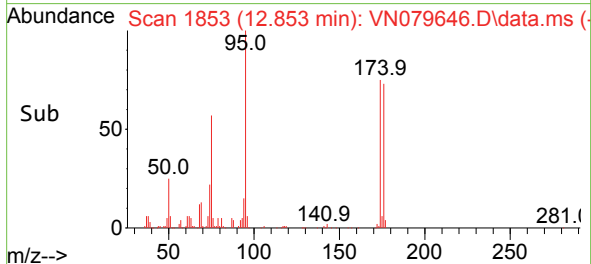
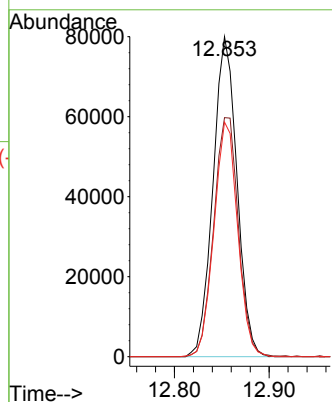
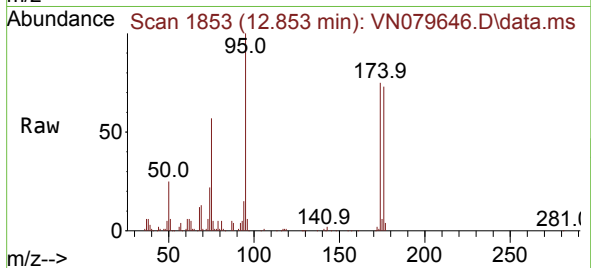




#62
4-Bromofluorobenzene
Concen: 45.810 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

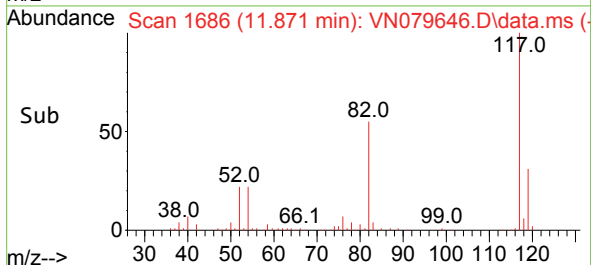
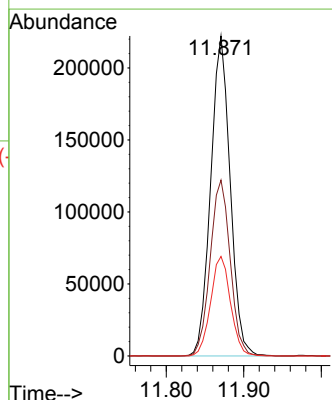
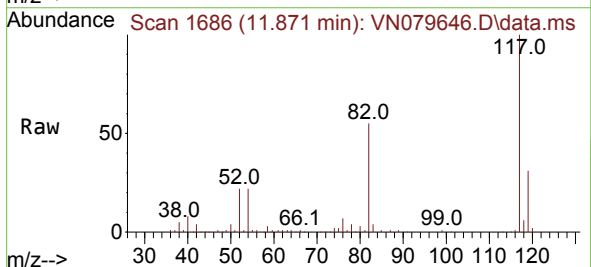
Instrument :
MSVOA_N
ClientSampleId :

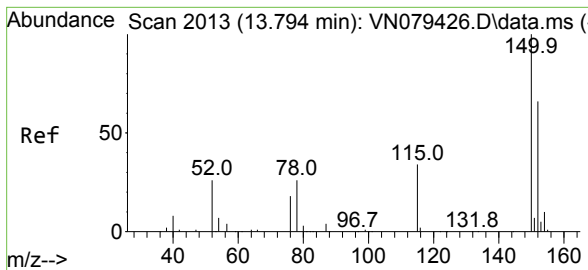
Tgt Ion: 95 Resp: 140604
Ion Ratio Lower Upper
95 100
174 77.1 0.0 143.8
176 72.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

Tgt Ion: 117 Resp: 388334
Ion Ratio Lower Upper
117 100
82 55.0 44.0 66.0
119 31.1 25.6 38.4

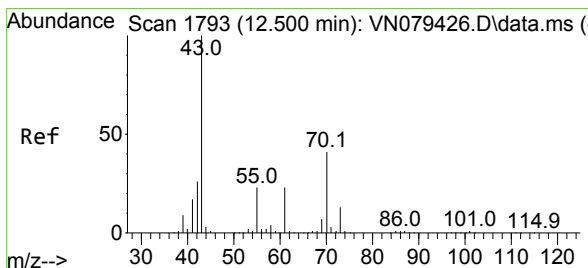
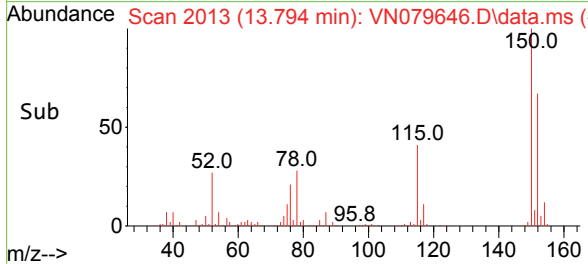
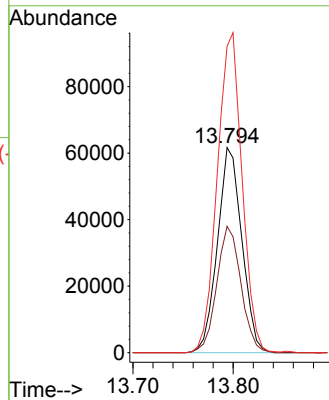
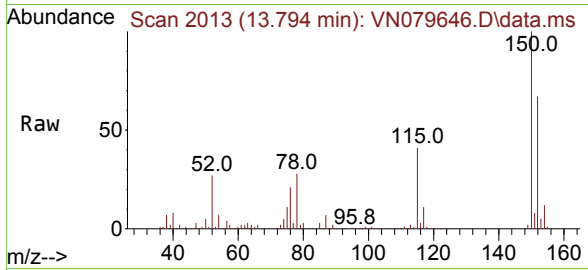




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079646.D
 Acq: 23 Oct 2023 14:11

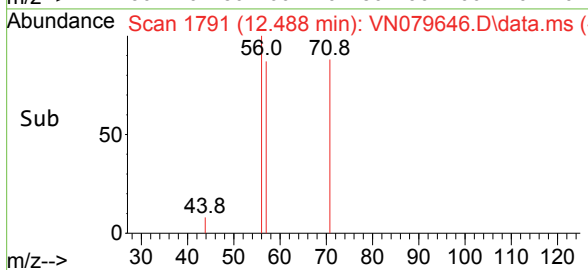
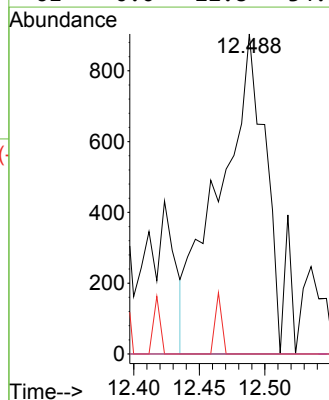
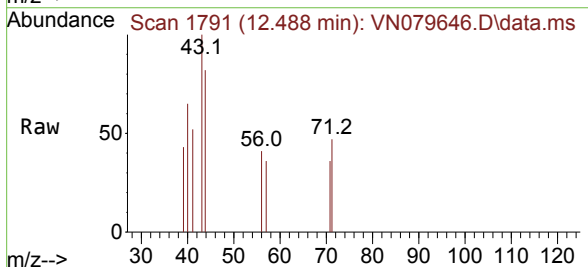
Instrument :
 MSVOA_N
 ClientSampleId :

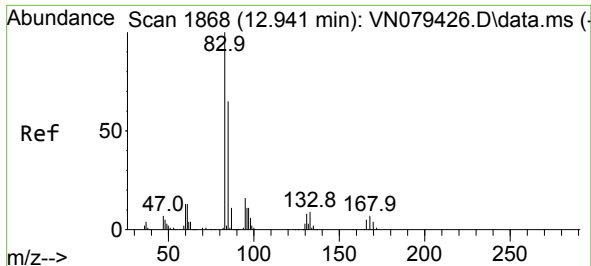
Tgt Ion:152 Resp: 104222
 Ion Ratio Lower Upper
 152 100
 115 60.9 32.3 96.8
 150 158.2 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.548 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN079646.D
 Acq: 23 Oct 2023 14:11

Tgt Ion: 43 Resp: 2178
 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#

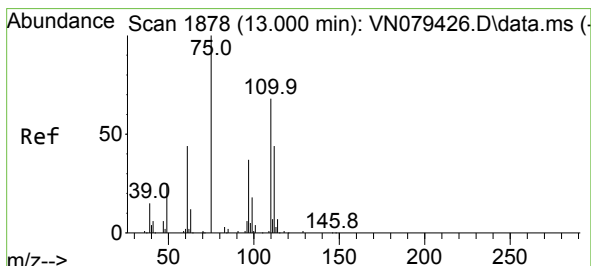
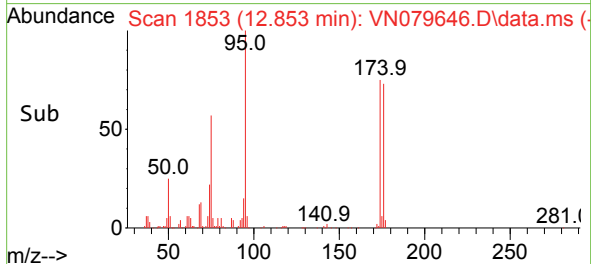
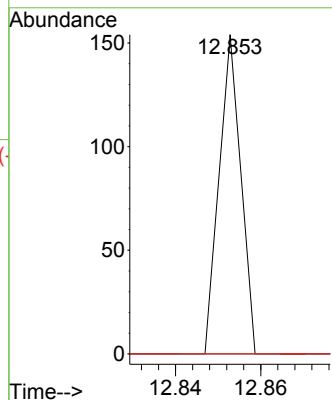
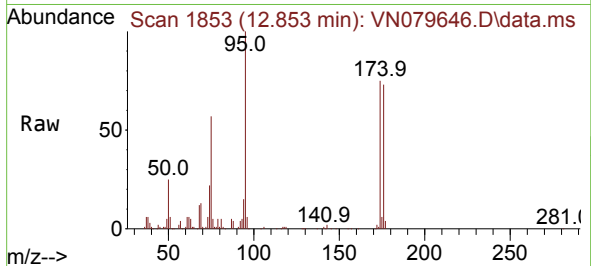




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1853
Delta R.T. -0.088 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

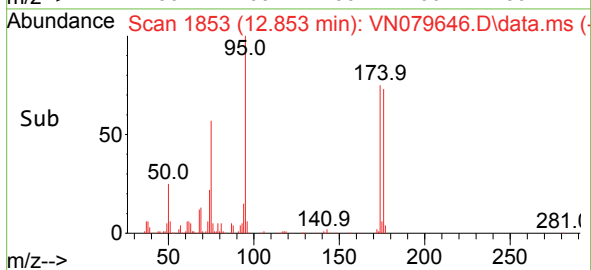
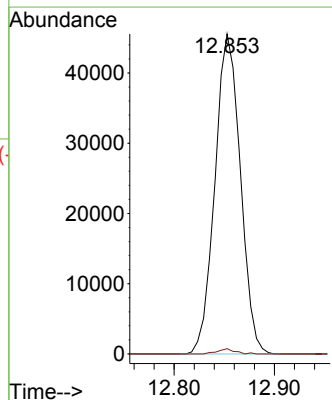
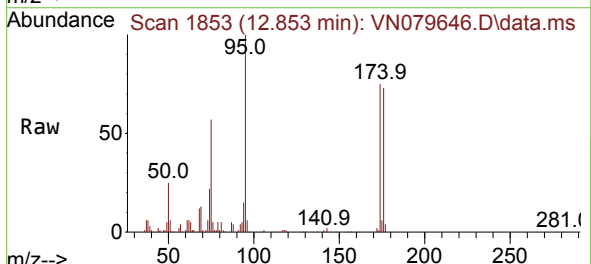
Instrument :
MSVOA_N
ClientSampleId :

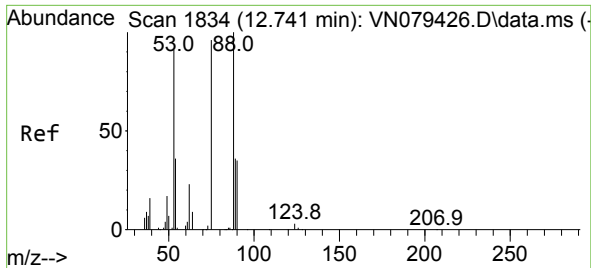
Tgt Ion: 83 Resp: 54
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 26.681 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079646.D
Acq: 23 Oct 2023 14:11

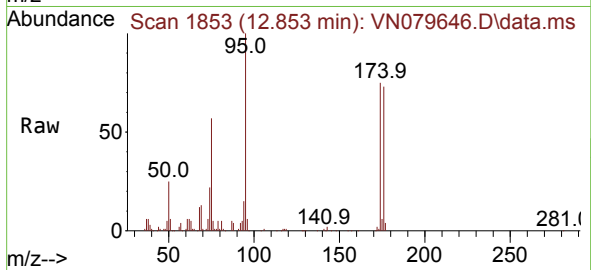
Tgt Ion: 75 Resp: 80176
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.416 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079646.D
 Acq: 23 Oct 2023 14:11

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 80176
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.0 38.8 58.2#

