

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN079003.D
 Acq On : 22 Aug 2023 18:49
 Operator : JC\MD
 Sample : 04090-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 03:07:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

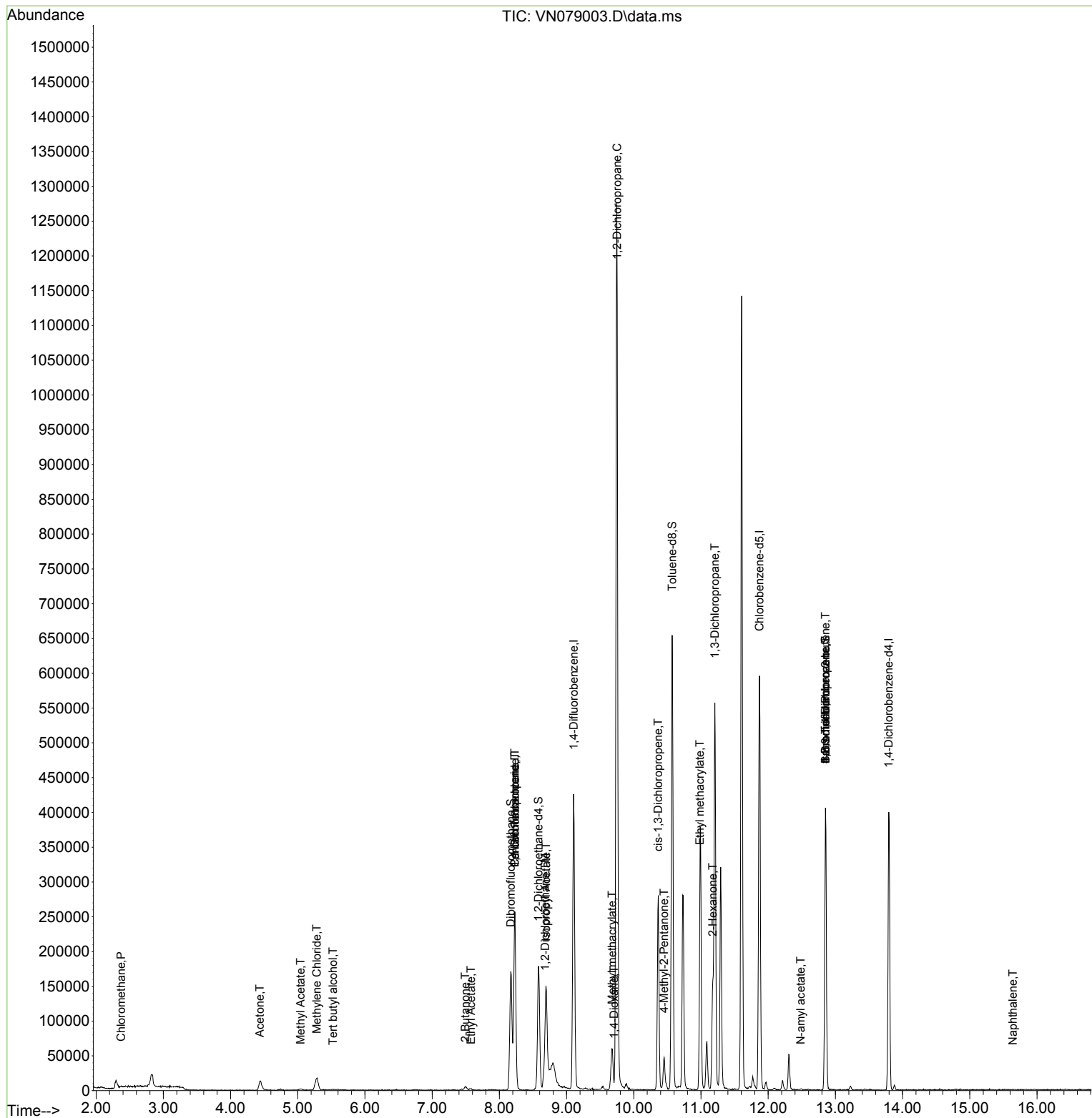
Internal Standards						
1) Pentafluorobenzene	8.230	168	174973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	344467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	335954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	102790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	142188	52.223	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.440%			
35) Dibromofluoromethane	8.171	113	121631	52.455	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.900%			
50) Toluene-d8	10.571	98	430088	49.953	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.900%			
62) 4-Bromofluorobenzene	12.853	95	129493	46.014	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.020%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	831	0.245	ug/l #	42
11) Tert butyl alcohol	5.524	59	211	0.462	ug/l #	72
16) Acetone	4.436	43	26167	23.292	ug/l #	79
18) Methyl Acetate	5.042	43	2854	0.601	ug/l	99
20) Methylene Chloride	5.283	84	13484	5.632	ug/l #	77
25) 2-Butanone	7.494	43	9244	5.132	ug/l	99
31) Cyclohexane	8.230	56	4877	Below Cal	#	30
36) 1,1-Dichloropropene	8.230	75	15394	4.413	ug/l #	45
37) Ethyl Acetate	7.577	43	3753	0.962	ug/l #	67
38) Carbon Tetrachloride	8.230	117	20082	5.746	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1181	0.307	ug/l #	73
43) Isopropyl Acetate	8.694	43	187848	27.233	ug/l #	73
45) 1,2-Dichloropropane	9.753	63	1508	0.549	ug/l #	45
48) Methyl methacrylate	9.677	41	4251	1.360	ug/l #	33
49) 1,4-Dioxane	9.706	88	66	1.240	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	38927	9.515	ug/l #	80
54) cis-1,3-Dichloropropene	10.365	75	45679	10.520	ug/l #	71
56) Ethyl methacrylate	10.982	69	1962	0.499	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5686	1.253	ug/l #	44
59) 2-Hexanone	11.177	43	128846	43.482	ug/l #	19
71) Bromoform	12.853	173	1713	0.872	ug/l #	1
74) N-amyl acetate	12.482	43	1871	0.432	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	74643	30.138	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74643	76.989	ug/l #	15
95) Naphthalene	15.641	128	693	2.713	ug/l #	70

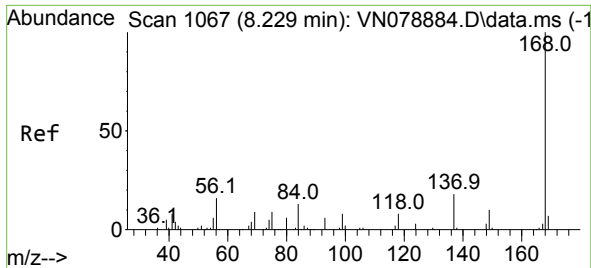
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
Data File : VN079003.D
Acq On : 22 Aug 2023 18:49
Operator : JC\MD
Sample : 04090-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 23 03:07:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

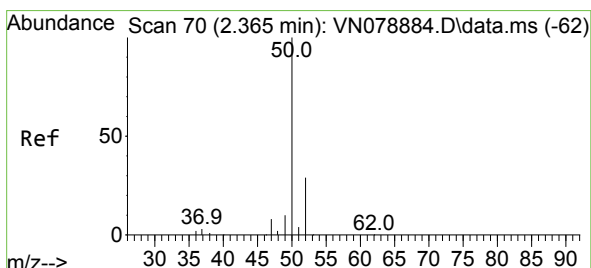
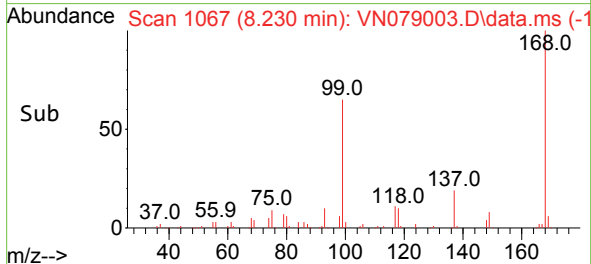
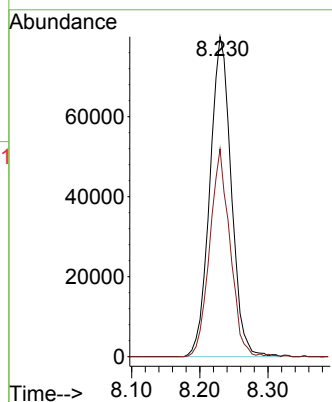
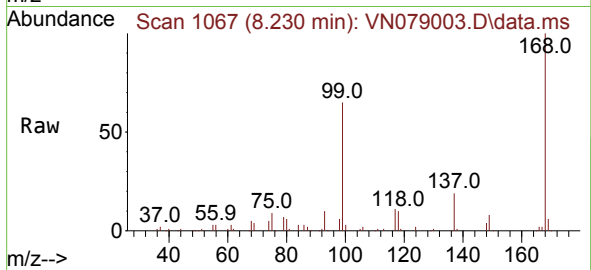




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

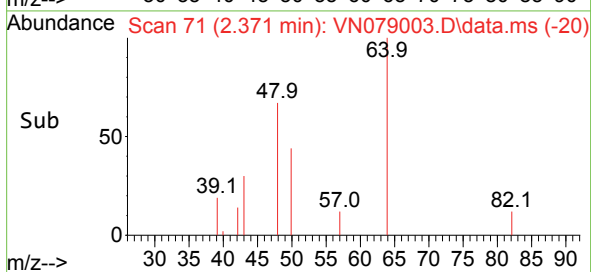
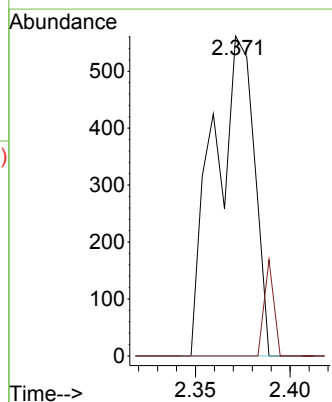
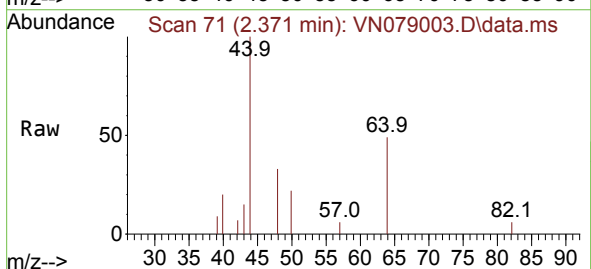
Instrument :
MSVOA_N
ClientSampleId :

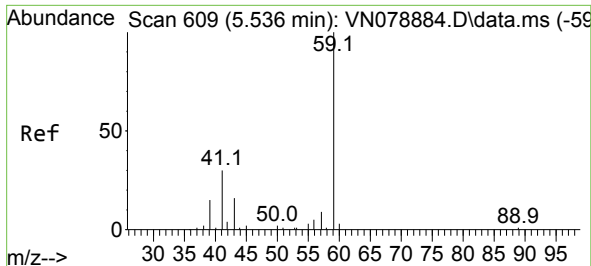
Tgt Ion:168 Resp: 174973
Ion Ratio Lower Upper
168 100
99 64.9 53.0 79.6



#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

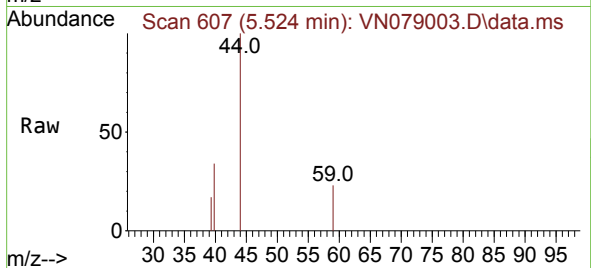
Tgt Ion: 50 Resp: 831
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



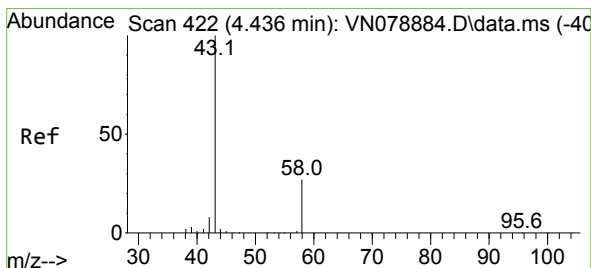
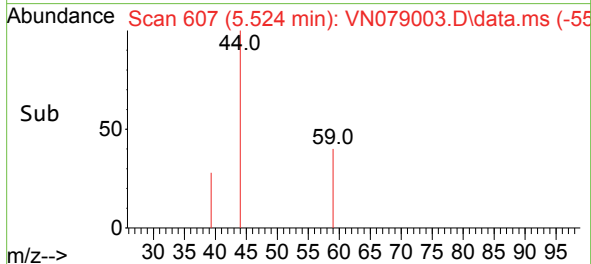
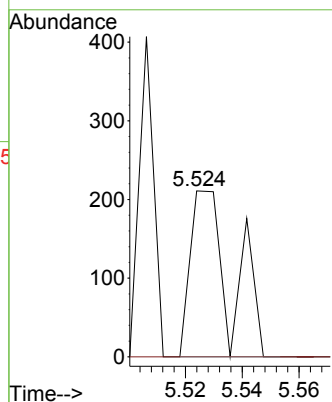


#11
Tert butyl alcohol
Concen: 0.462 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Instrument :
MSVOA_N
ClientSampleId :

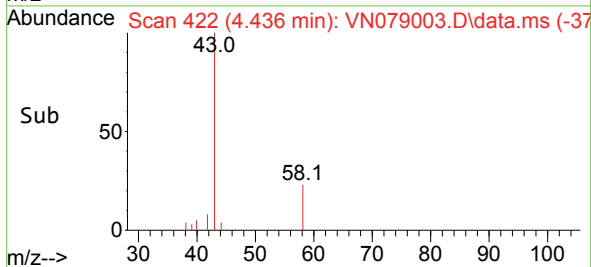
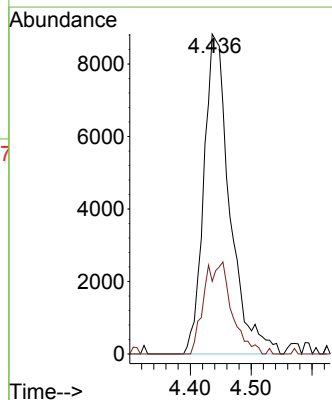
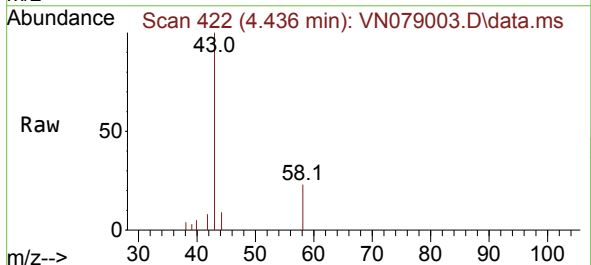


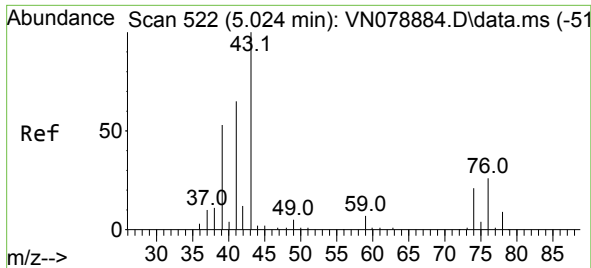
Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 23.292 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Tgt Ion: 43 Resp: 26167
Ion Ratio Lower Upper
43 100
58 22.7 28.0 42.0#

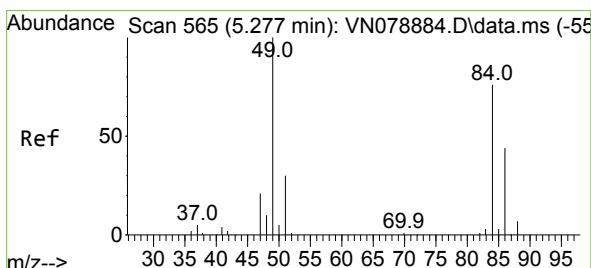
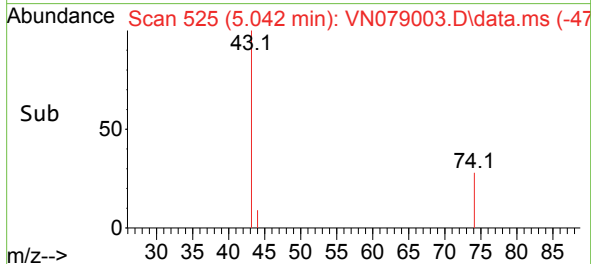
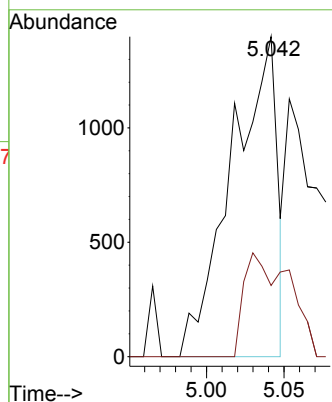
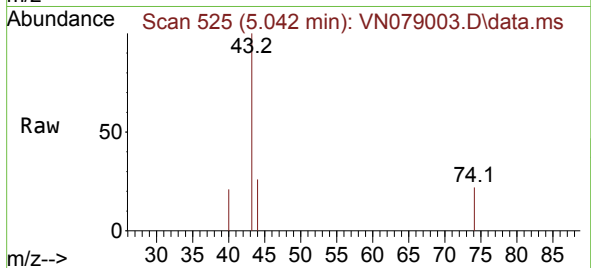




#18
Methyl Acetate
Concen: 0.601 ug/l
RT: 5.042 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

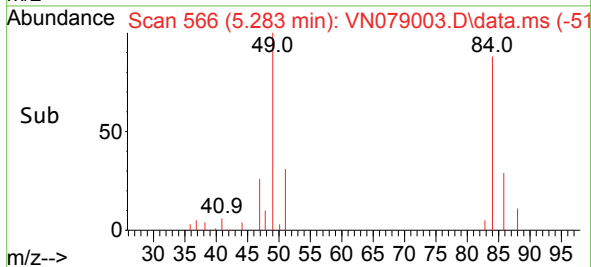
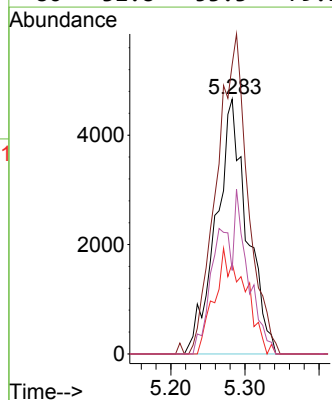
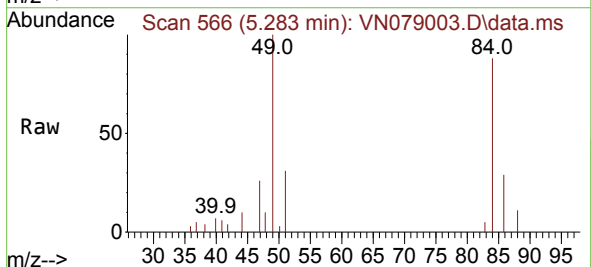
Instrument :
MSVOA_N
ClientSampleId :

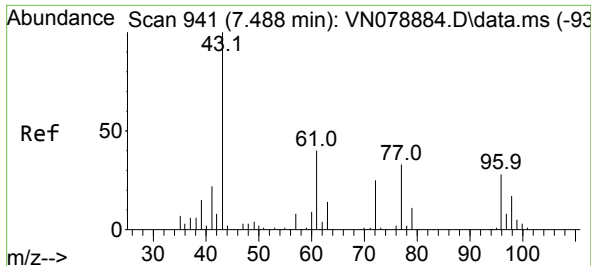
Tgt Ion: 43 Resp: 2854
Ion Ratio Lower Upper
43 100
74 32.3 26.2 39.4



#20
Methylene Chloride
Concen: 5.632 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

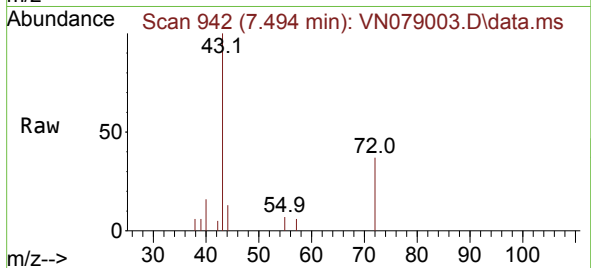
Tgt Ion: 84 Resp: 13484
Ion Ratio Lower Upper
84 100
49 113.7 79.7 119.5
51 35.6 25.2 37.8
86 32.8 53.3 79.9#



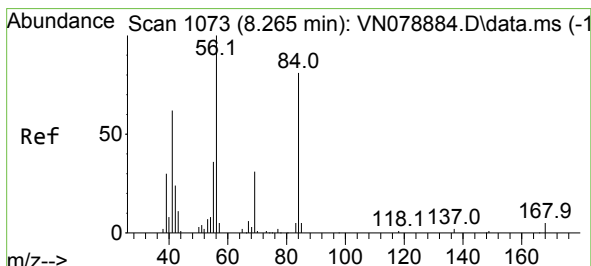
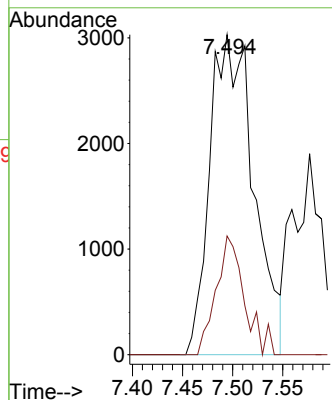
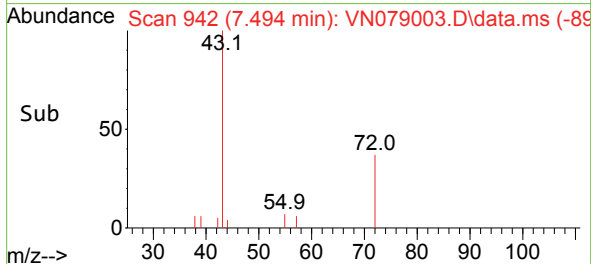


#25
2-Butanone
Concen: 5.132 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Instrument :
MSVOA_N
ClientSampleId :

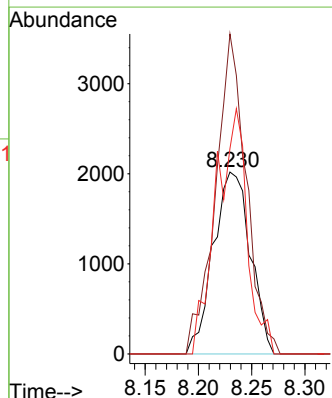
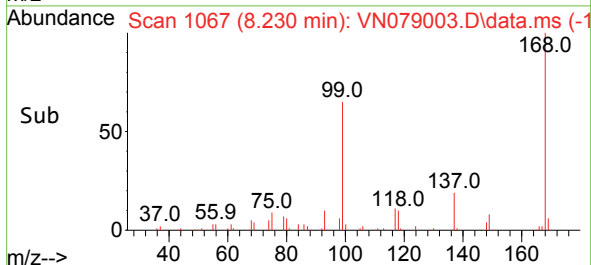
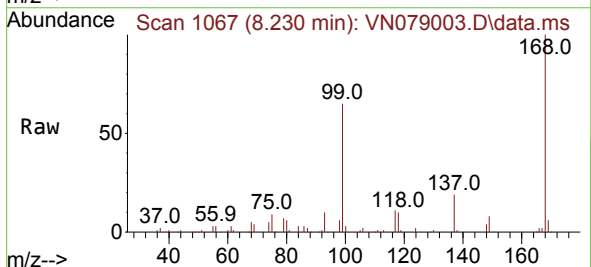


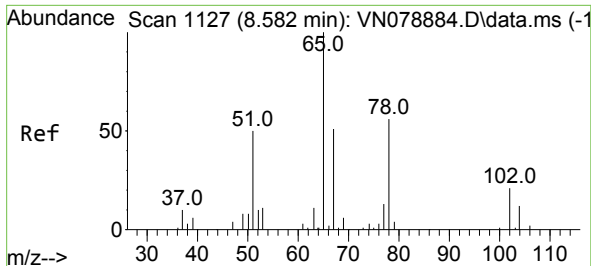
Tgt Ion: 43 Resp: 9244
Ion Ratio Lower Upper
43 100
72 37.1 30.2 45.2



#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Tgt Ion: 56 Resp: 4877
Ion Ratio Lower Upper
56 100
69 175.9 26.8 40.2#
84 113.0 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.223 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079003.D

Acq: 22 Aug 2023 18:49

Instrument :

MSVOA_N

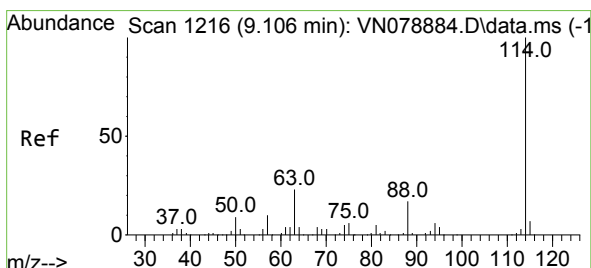
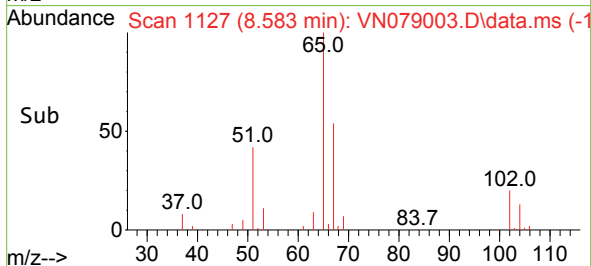
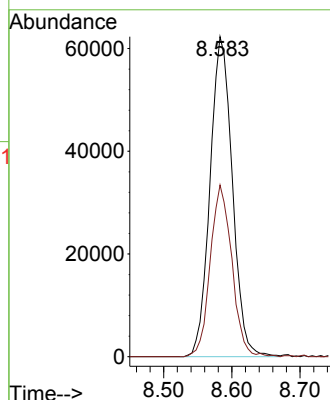
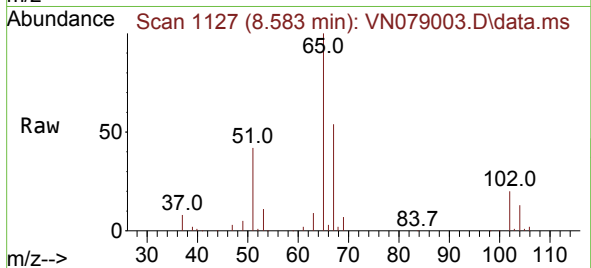
ClientSampleId :

Tgt Ion: 65 Resp: 142188

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079003.D

Acq: 22 Aug 2023 18:49

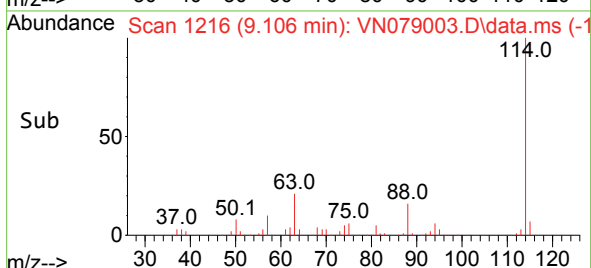
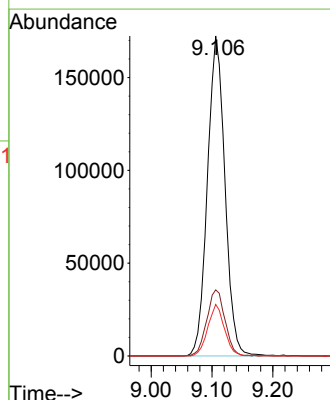
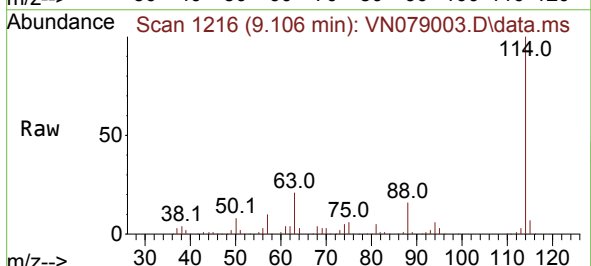
Tgt Ion: 114 Resp: 344467

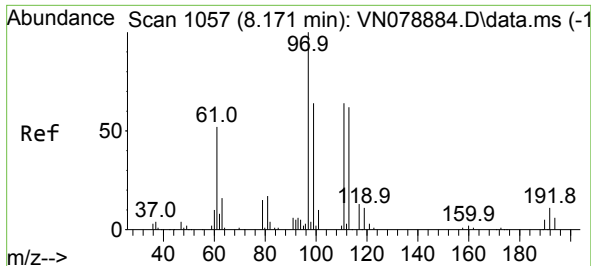
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

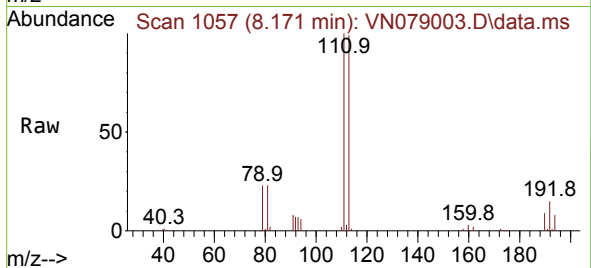
88 16.1 0.0 30.6



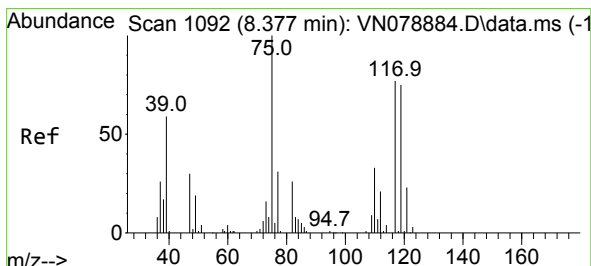
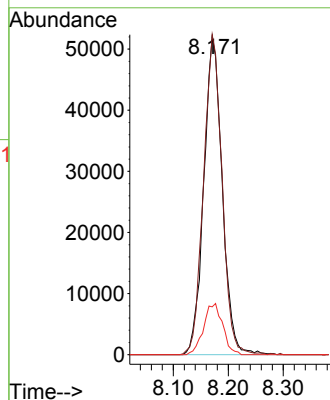
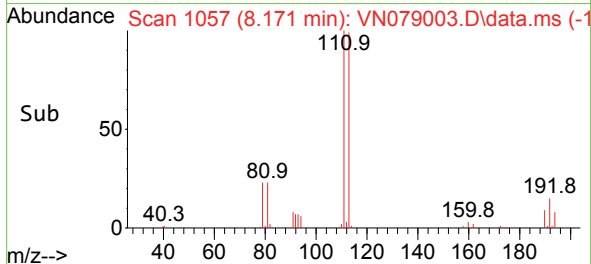


#35
Dibromofluoromethane
Concen: 52.455 ug/l
RT: 8.171 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Instrument :
MSVOA_N
ClientSampleId :

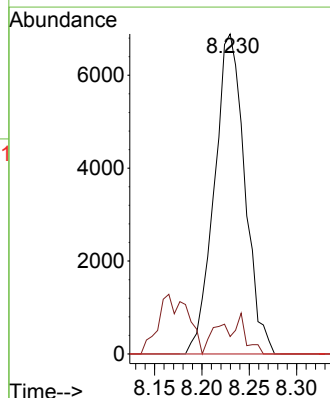
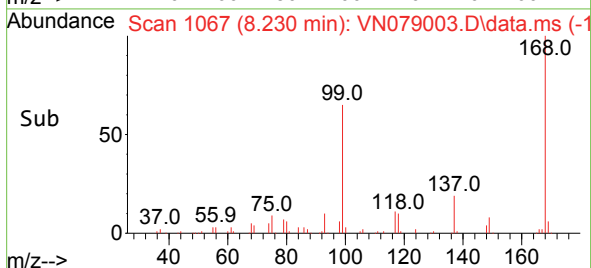
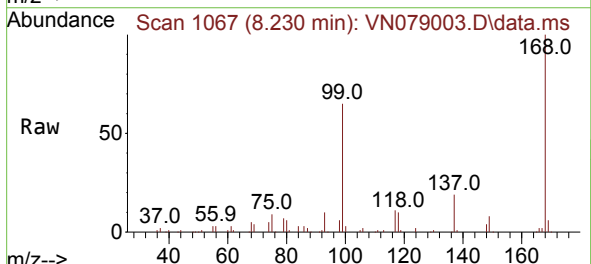


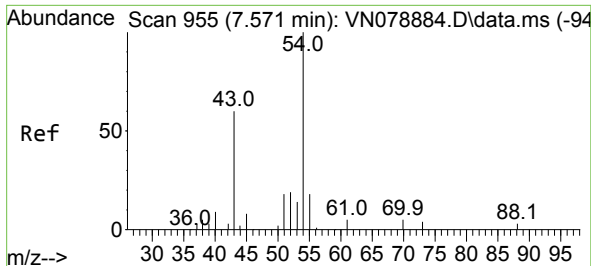
Tgt Ion:113 Resp: 121631
Ion Ratio Lower Upper
113 100
111 100.4 82.6 123.8
192 16.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.413 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Tgt Ion: 75 Resp: 15394
Ion Ratio Lower Upper
75 100
110 5.7 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.962 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

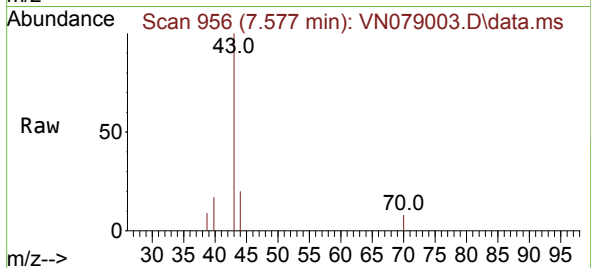
Lab File: VN079003.D

Acq: 22 Aug 2023 18:49

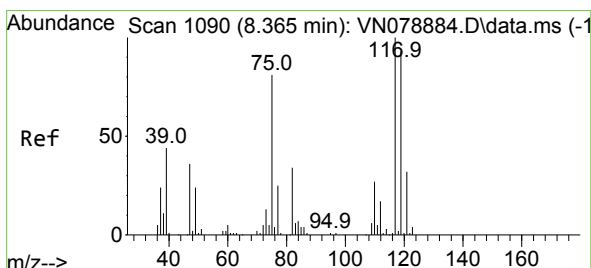
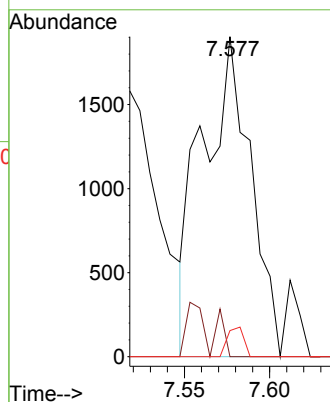
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3753
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.2	19.8#
70	3.1	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.746 ug/l

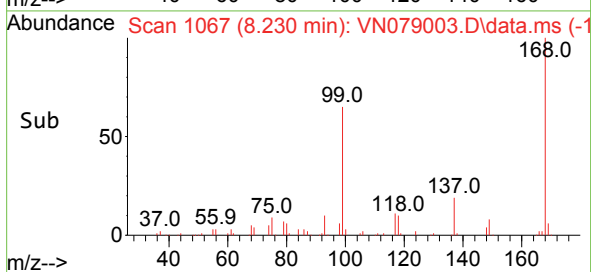
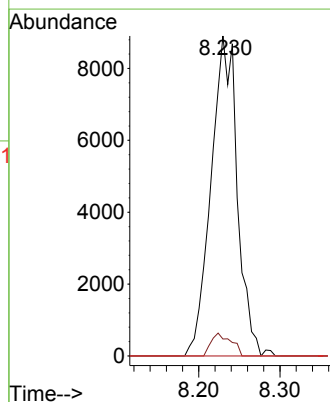
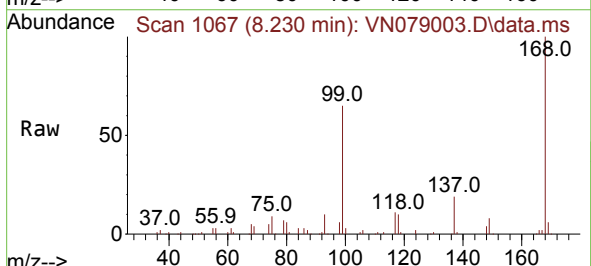
RT: 8.230 min Scan# 1067

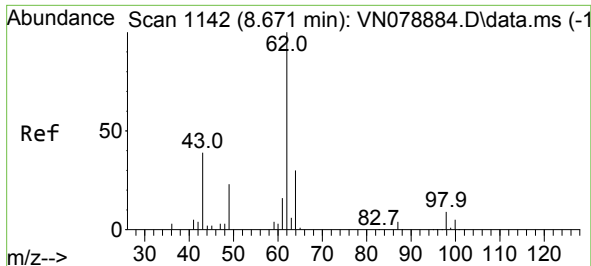
Delta R.T. -0.141 min

Lab File: VN079003.D

Acq: 22 Aug 2023 18:49

Tgt Ion:	117	Resp:	20082
Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.307 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN079003.D

Acq: 22 Aug 2023 18:49

Instrument :

MSVOA_N

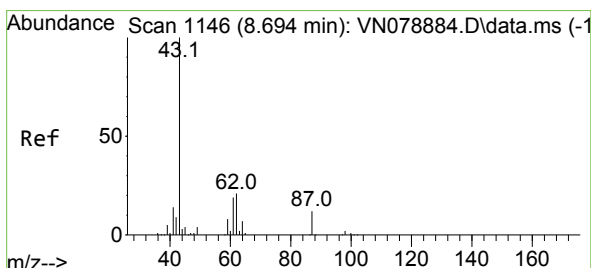
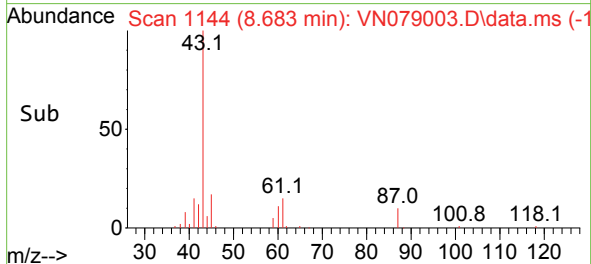
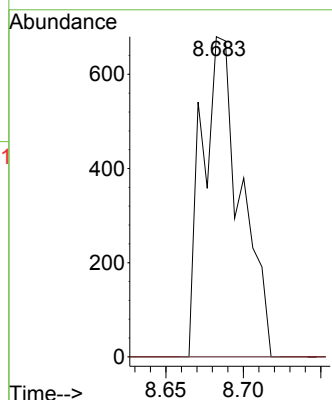
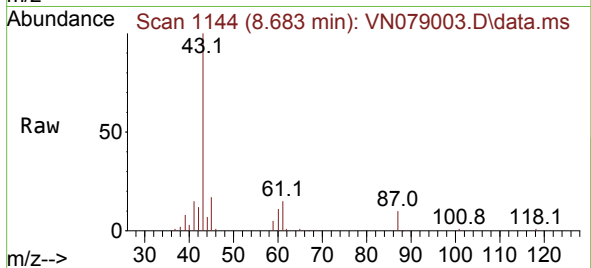
ClientSampleId :

Tgt Ion: 62 Resp: 1181

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 27.233 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079003.D

Acq: 22 Aug 2023 18:49

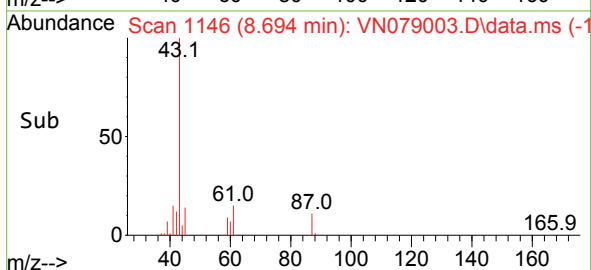
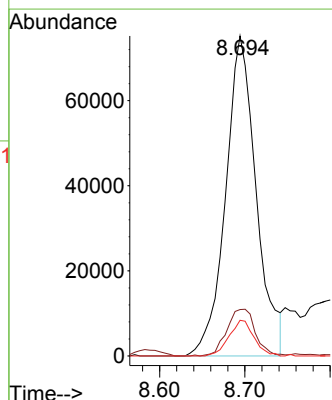
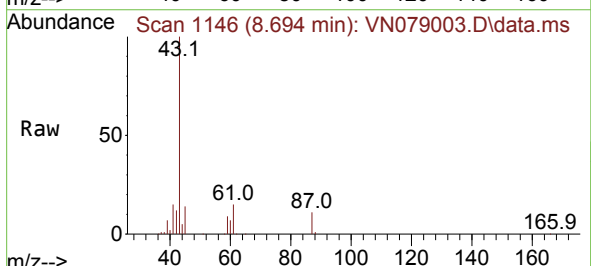
Tgt Ion: 43 Resp: 187848

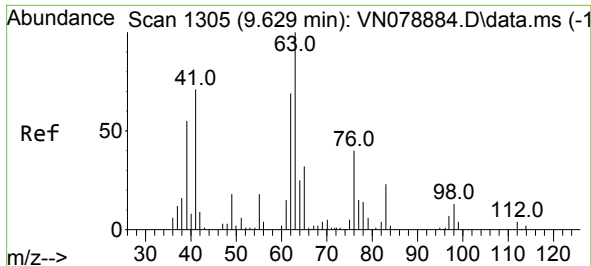
Ion Ratio Lower Upper

43 100

61 13.7 24.7 37.1#

87 9.1 14.6 21.8#

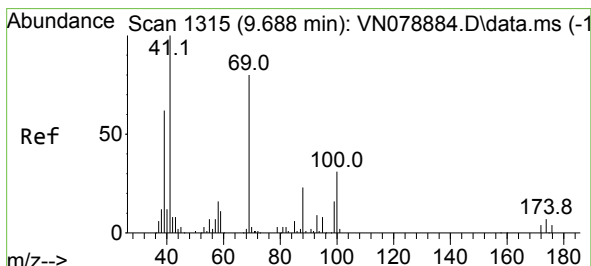
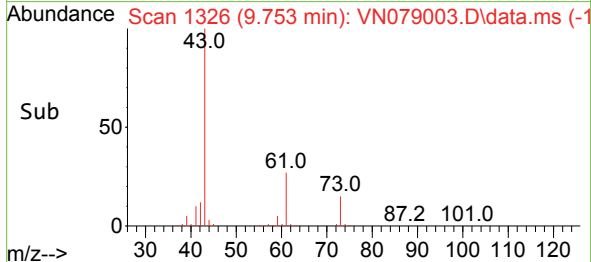
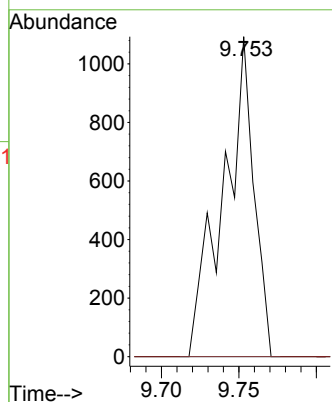
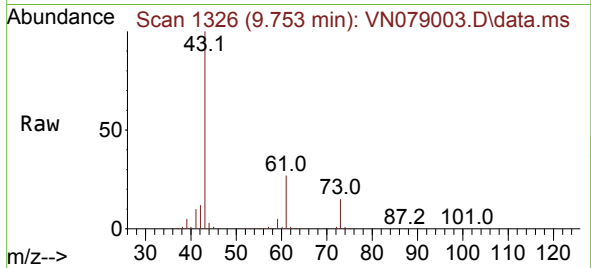




#45
1,2-Dichloropropane
Concen: 0.549 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

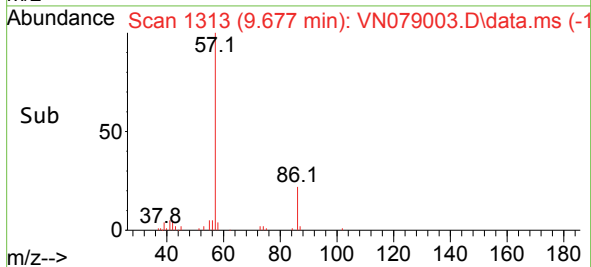
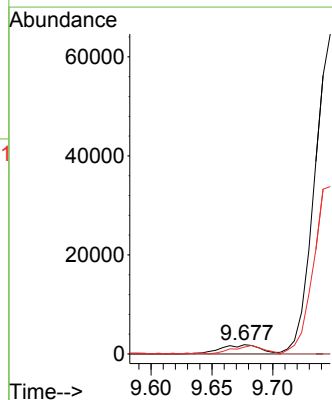
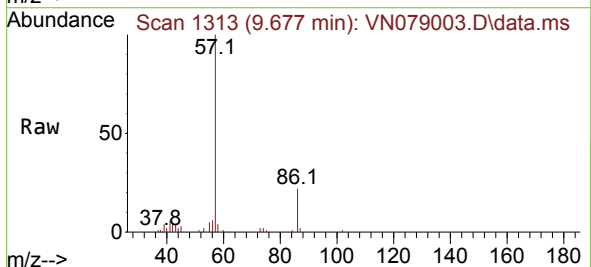
Instrument :
MSVOA_N
ClientSampleId :

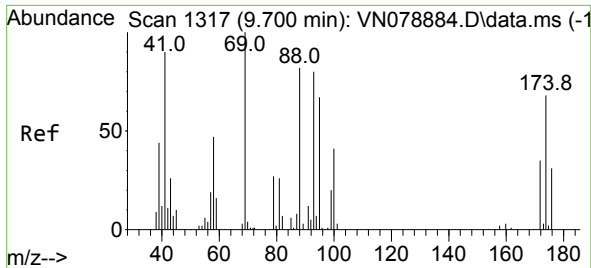
Tgt Ion: 63 Resp: 1508
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.360 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.011 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

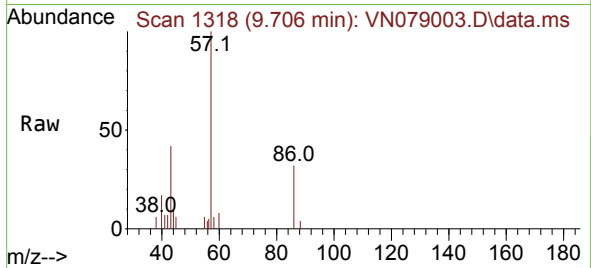
Tgt Ion: 41 Resp: 4251
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 71.2 54.6 81.8



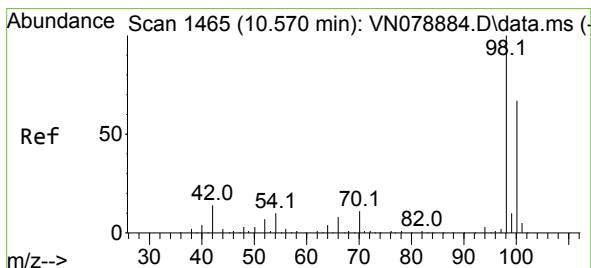
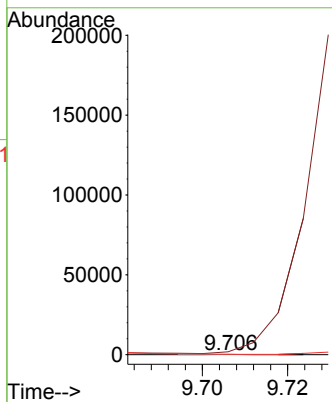
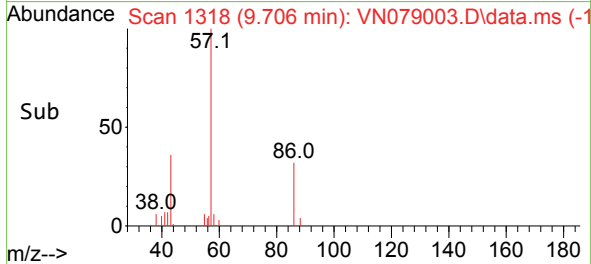


#49
1,4-Dioxane
Concen: 1.240 ug/l
RT: 9.706 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Instrument :
MSVOA_N
ClientSampleId :

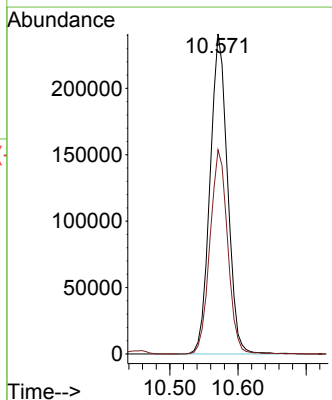
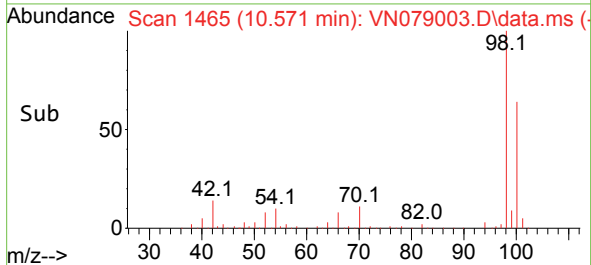
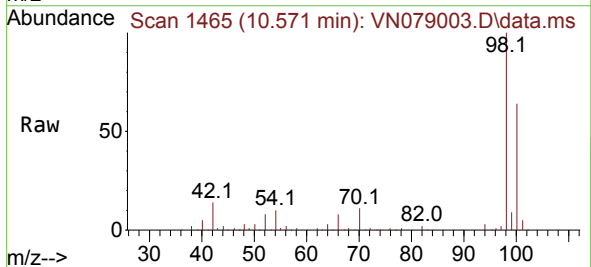


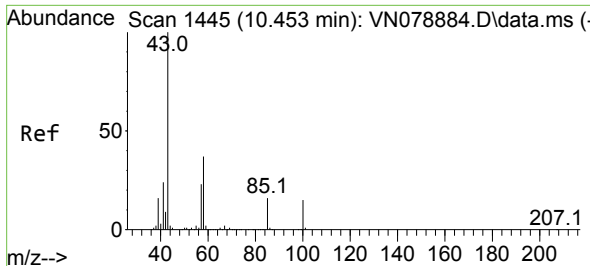
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 49.953 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Tgt Ion: 98 Resp: 430088
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

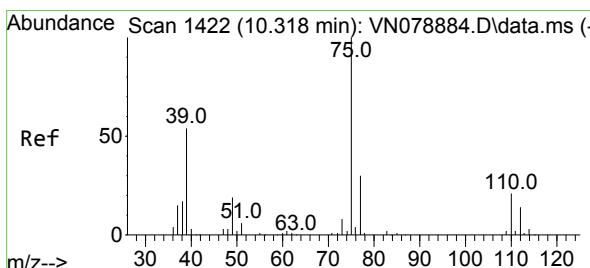
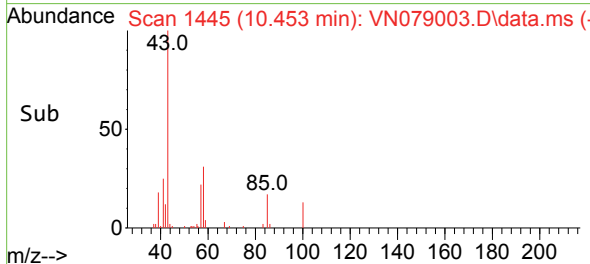
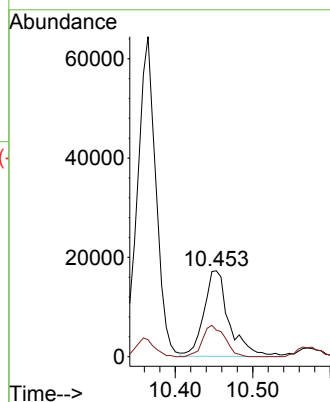
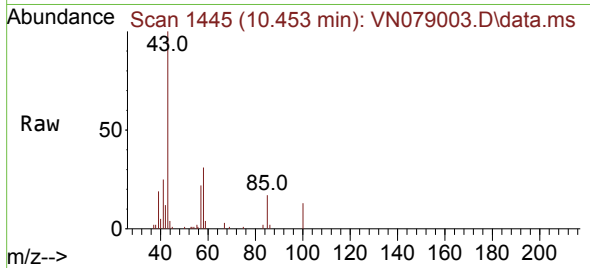




#51
4-Methyl-2-Pentanone
Concen: 9.515 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

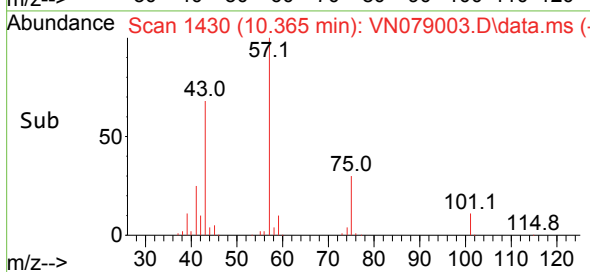
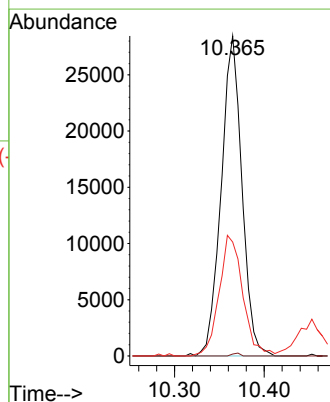
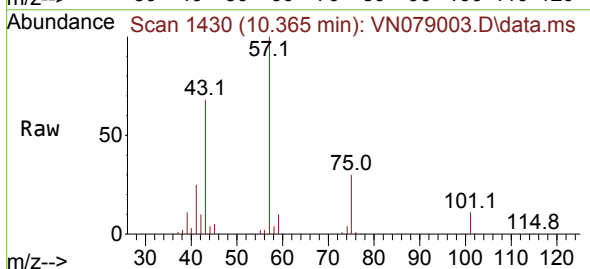
Instrument :
MSVOA_N
ClientSampleId :

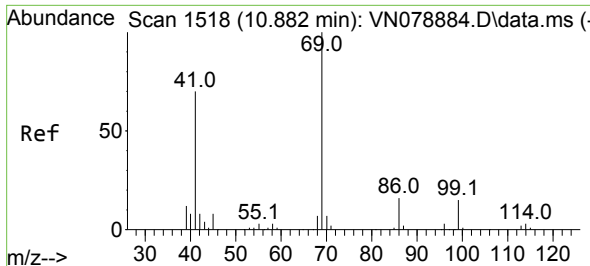
Tgt Ion: 43 Resp: 38927
Ion Ratio Lower Upper
43 100
58 32.3 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 10.520 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

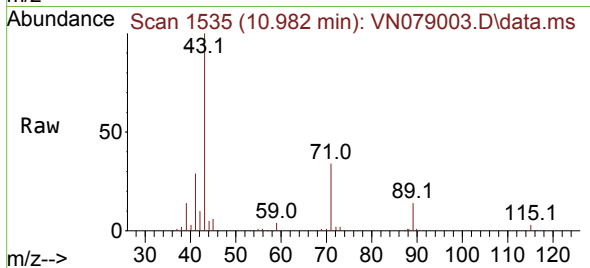
Tgt Ion: 75 Resp: 45679
Ion Ratio Lower Upper
75 100
77 0.6 26.1 39.1#
39 35.6 31.6 47.4



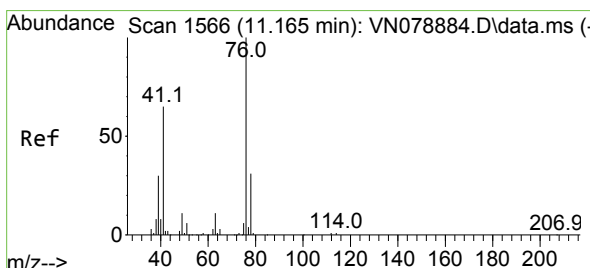
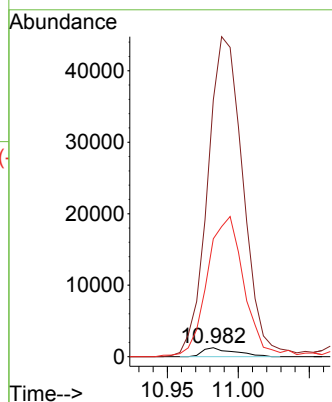
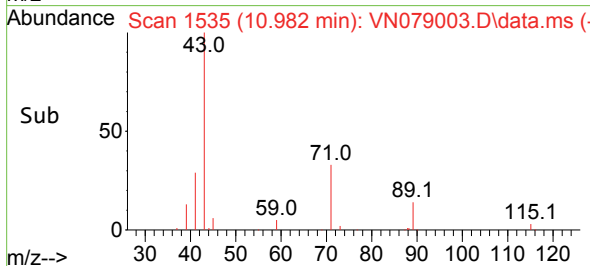


#56
Ethyl methacrylate
Concen: 0.499 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.105 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Instrument :
MSVOA_N
ClientSampleId :

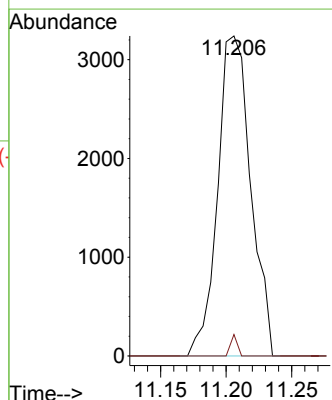
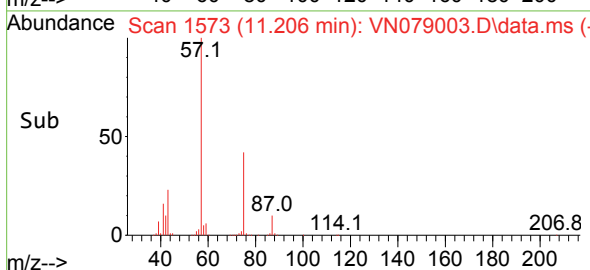
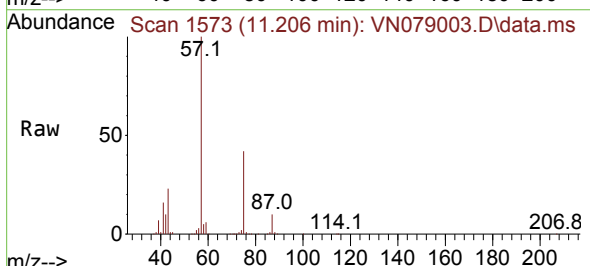


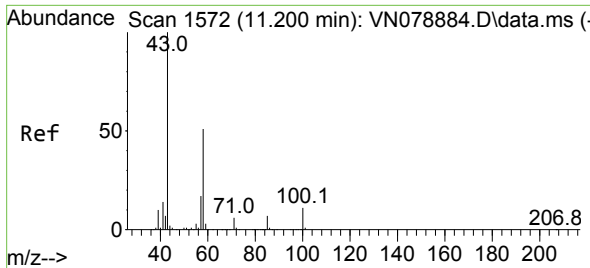
Tgt Ion: 69 Resp: 1962
Ion Ratio Lower Upper
69 100
41 3968.9 39.6 59.4#
39 1817.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.253 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Tgt Ion: 76 Resp: 5686
Ion Ratio Lower Upper
76 100
78 1.4 26.1 39.1#

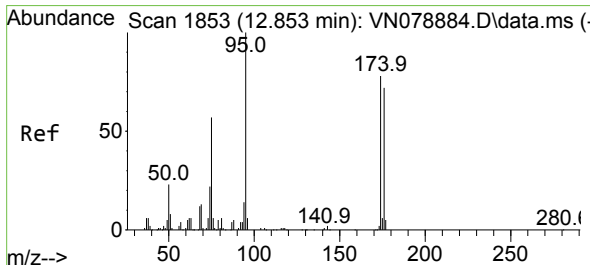
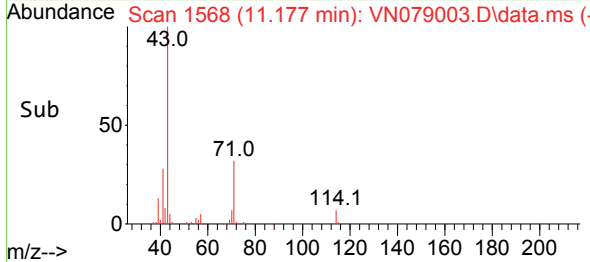
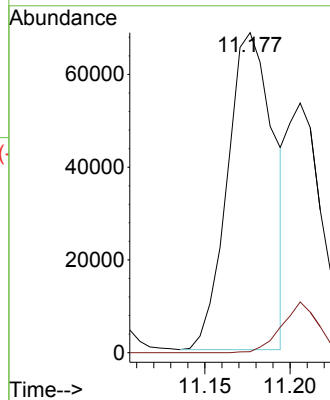
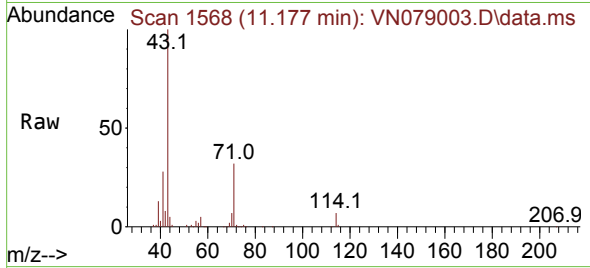




#59
2-Hexanone
Concen: 43.482 ug/l
RT: 11.177 min Scan# 1117
Delta R.T. -0.023 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

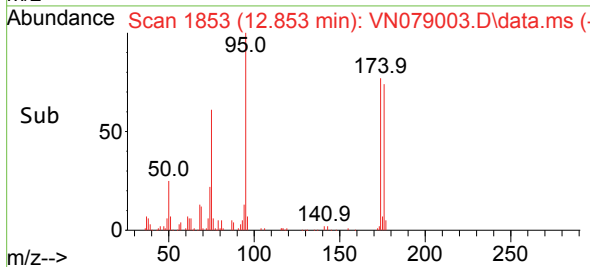
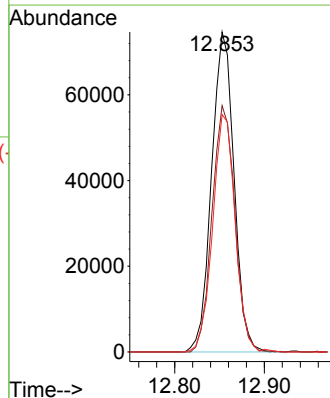
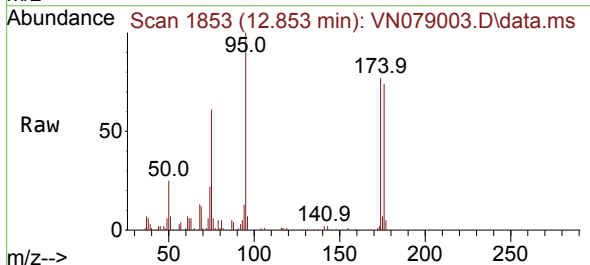
Instrument :
MSVOA_N
ClientSampleId :

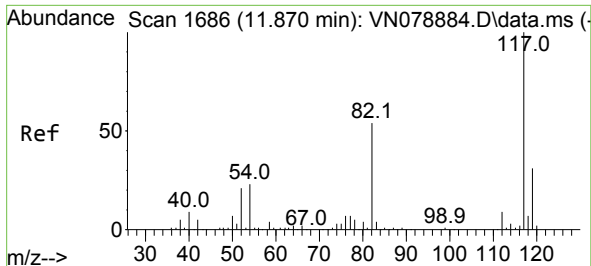
Tgt Ion: 43 Resp: 128846
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.014 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

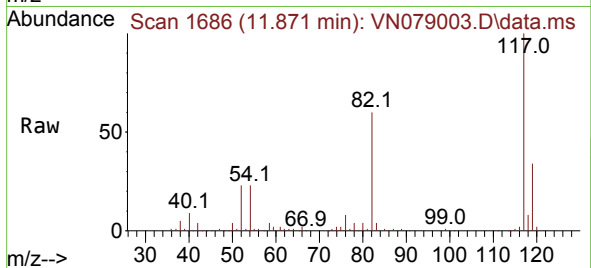
Tgt Ion: 95 Resp: 129493
Ion Ratio Lower Upper
95 100
174 78.0 0.0 143.8
176 74.6 0.0 135.8



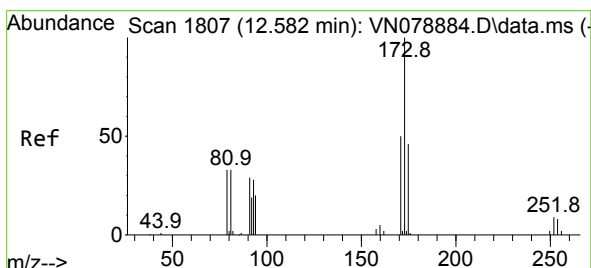
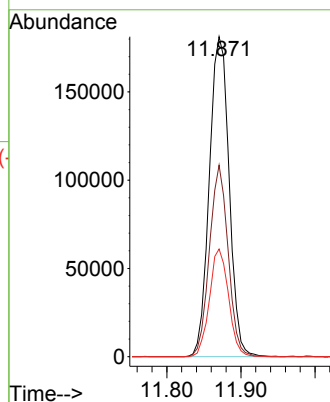
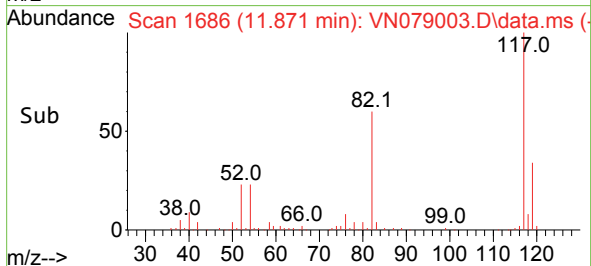


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Instrument :
MSVOA_N
ClientSampleId :

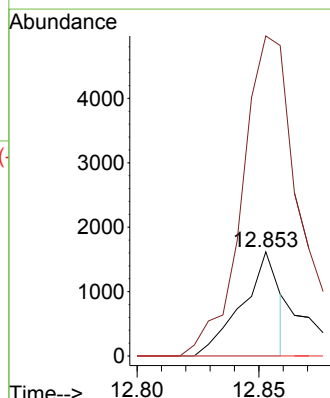
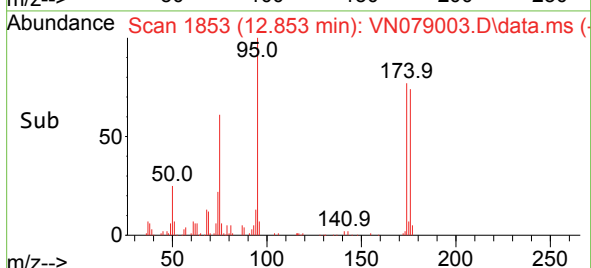
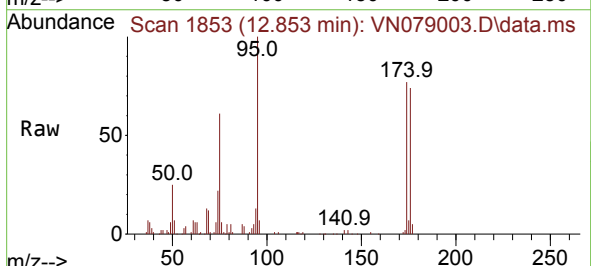


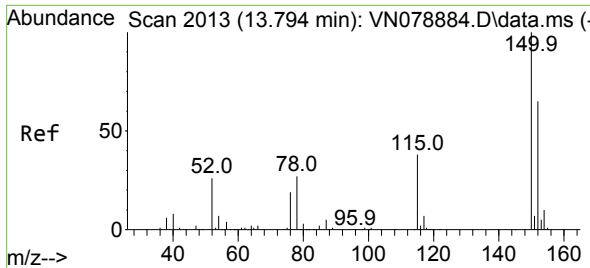
Tgt Ion:117 Resp: 335954
Ion Ratio Lower Upper
117 100
82 59.8 44.0 66.0
119 33.7 25.6 38.4



#71
Bromoform
Concen: 0.872 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

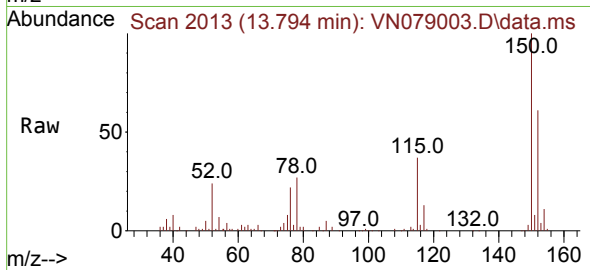
Tgt Ion:173 Resp: 1713
Ion Ratio Lower Upper
173 100
175 349.1 24.3 73.0#
254 0.0 0.0 0.0



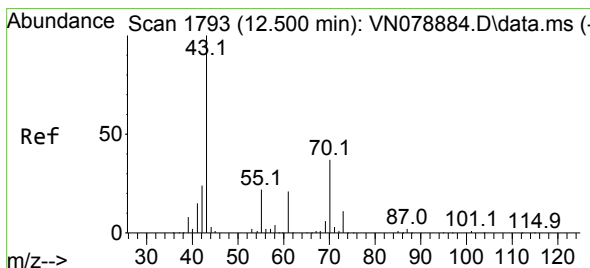
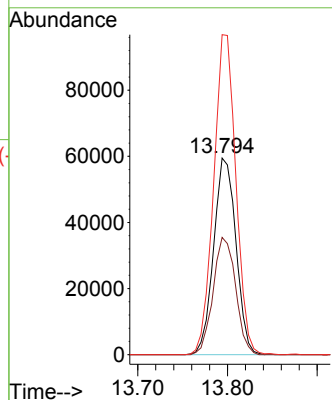
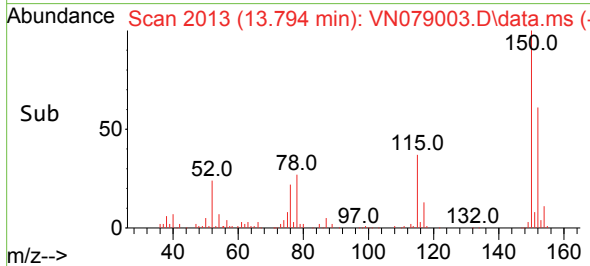


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079003.D
 Acq: 22 Aug 2023 18:49

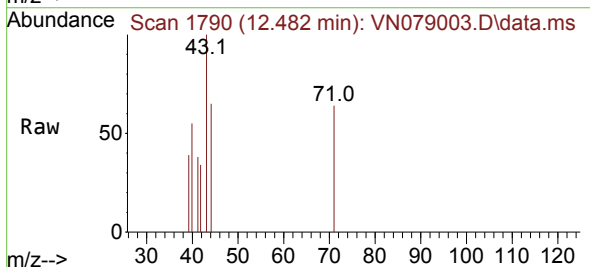
Instrument :
 MSVOA_N
 ClientSampleId :



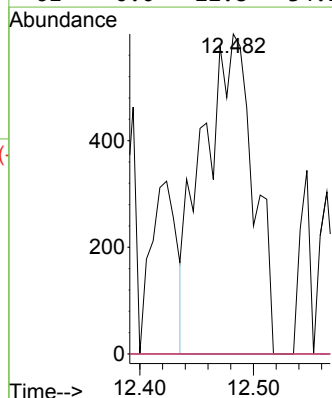
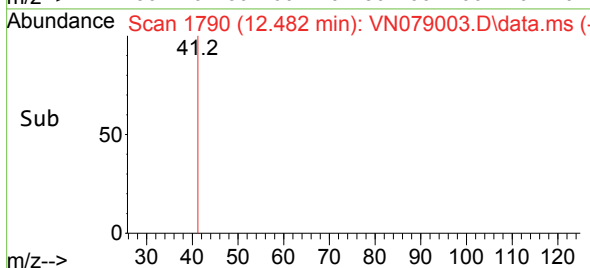
Tgt Ion:152 Resp: 102790
 Ion Ratio Lower Upper
 152 100
 115 60.1 32.3 96.8
 150 161.9 0.0 355.8

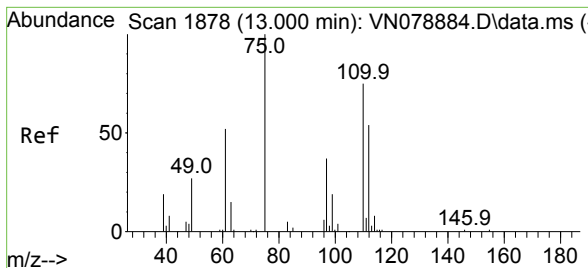


#74
 N-ethyl acetate
 Concen: 0.432 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.018 min
 Lab File: VN079003.D
 Acq: 22 Aug 2023 18:49



Tgt Ion: 43 Resp: 1871
 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: 30.138 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079003.D

Acq: 22 Aug 2023 18:49

Instrument :

MSVOA_N

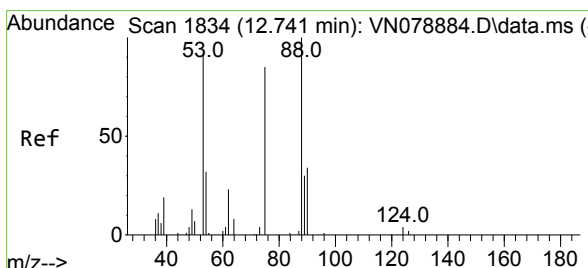
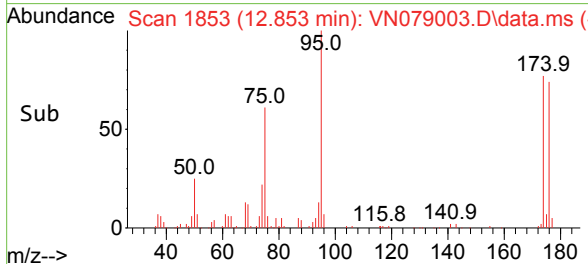
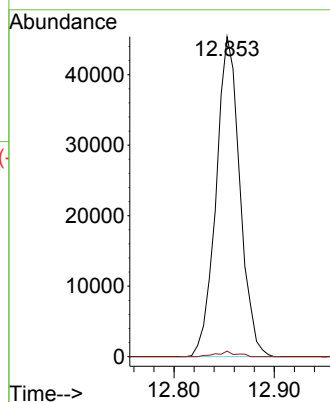
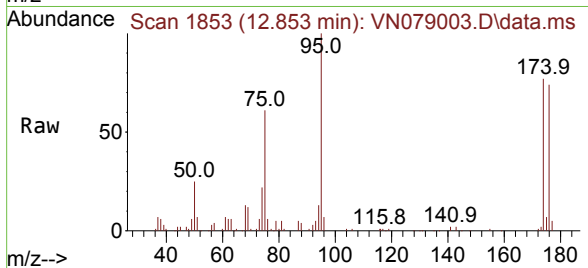
ClientSampleId :

Tgt Ion: 75 Resp: 74643

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.989 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079003.D

Acq: 22 Aug 2023 18:49

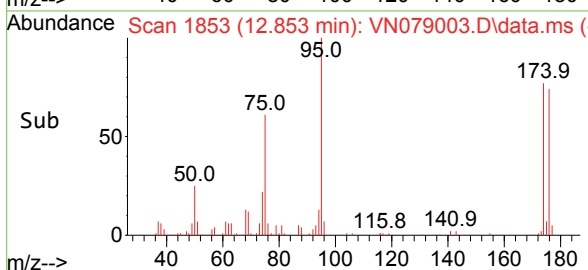
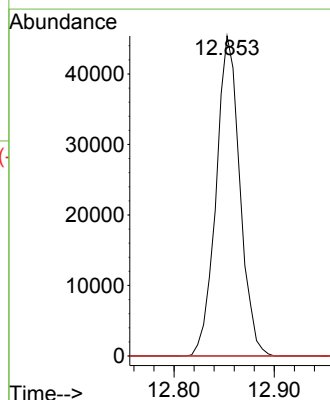
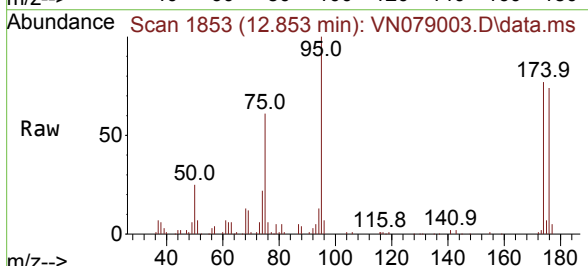
Tgt Ion: 75 Resp: 74643

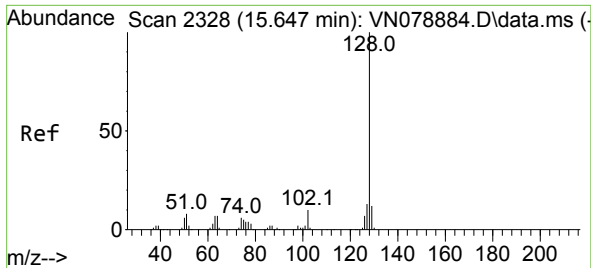
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

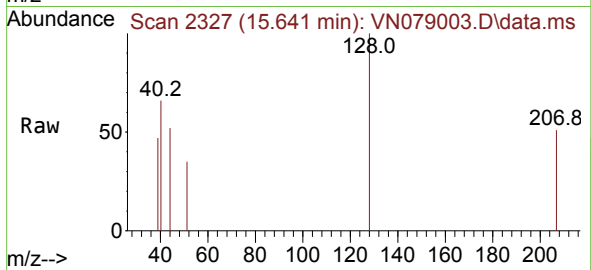
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.713 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079003.D
Acq: 22 Aug 2023 18:49

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 693
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

