

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079770.D
 Acq On : 01 Nov 2023 14:34
 Operator : JC\MD
 Sample : VN1101WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:54:03 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	298545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	529093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	459605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	176786	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	238263	52.384	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.760%	
35) Dibromofluoromethane	8.171	113	192727	51.467	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.940%	
50) Toluene-d8	10.571	98	687384	49.862	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.720%	
62) 4-Bromofluorobenzene	12.853	95	206024	45.062	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.120%	

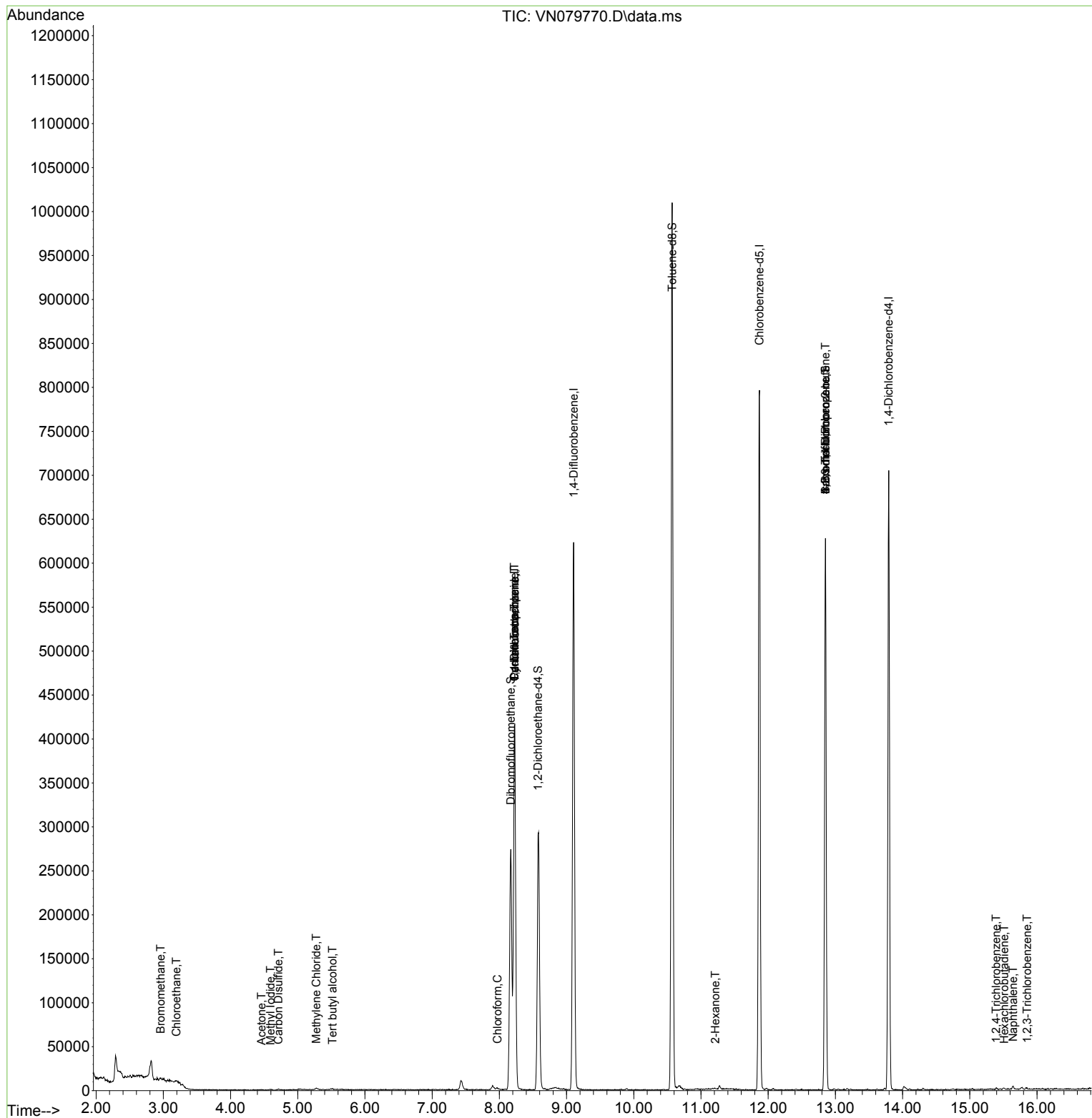
Target Compounds				Qvalue		
3) Chloromethane	2.359	50	2355	Below Cal	95	
5) Bromomethane	2.959	94	857	0.300	ug/l #	64
6) Chloroethane	3.195	64	7520	2.022	ug/l #	43
10) Methyl Iodide	4.595	142	1533	0.396	ug/l #	38
11) Tert butyl alcohol	5.518	59	226	0.389	ug/l #	72
16) Acetone	4.459	43	594	0.372	ug/l #	40
17) Carbon Disulfide	4.712	76	2068	0.223	ug/l #	75
20) Methylene Chloride	5.277	84	1083	0.269	ug/l #	50
30) Chloroform	7.971	83	1738	0.231	ug/l #	74
31) Cyclohexane	8.224	56	7974	1.327	ug/l #	39
36) 1,1-Dichloropropene	8.224	75	25261	4.725	ug/l #	48
38) Carbon Tetrachloride	8.224	117	32416	6.016	ug/l #	15
59) 2-Hexanone	11.212	43	1054	0.285	ug/l #	38
71) Bromoform	12.853	173	1613	0.632	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	113430	27.330	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113430	74.358	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	632	0.230	ug/l	92
94) Hexachlorobutadiene	15.511	225	544	0.438	ug/l #	33
95) Naphthalene	15.647	128	3746	0.403	ug/l	98
96) 1,2,3-Trichlorobenzene	15.853	180	658	0.245	ug/l	74

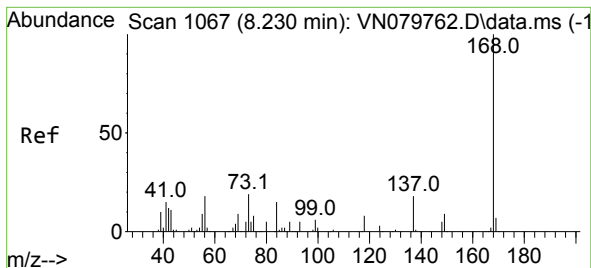
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1

Delta R.T. 0.001 min

Lab File: VN079770.D

Acq: 01 Nov 2023 14:34

Instrument :

MSVOA_N

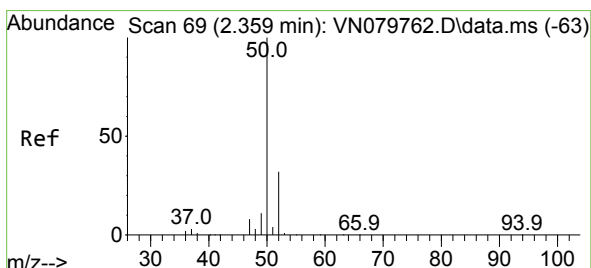
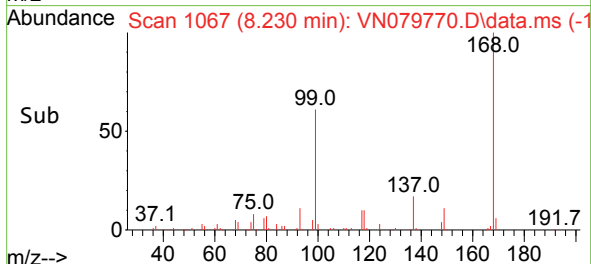
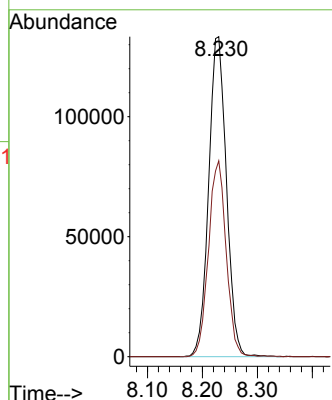
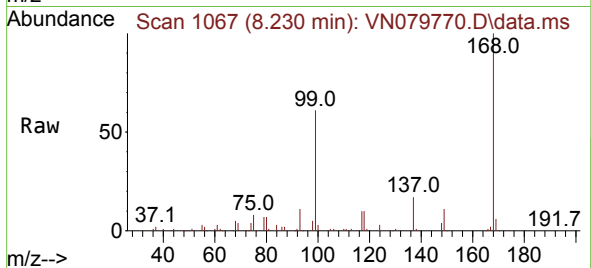
ClientSampleId :

Tgt Ion:168 Resp: 298545

Ion Ratio Lower Upper

168 100

99 61.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079770.D

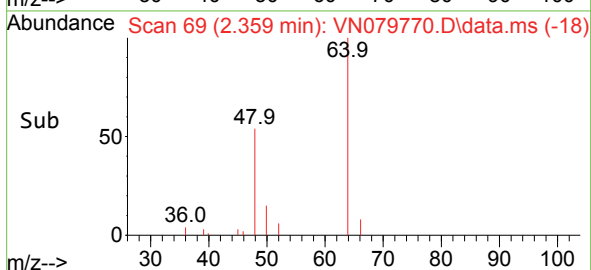
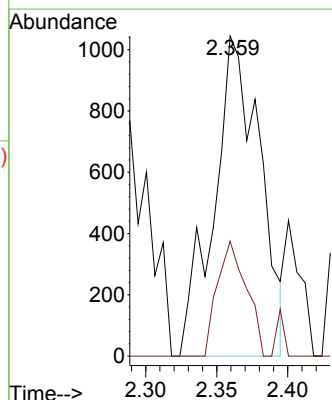
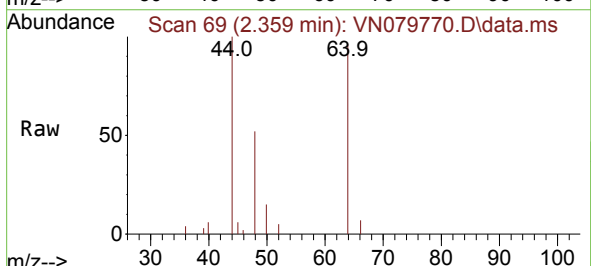
Acq: 01 Nov 2023 14:34

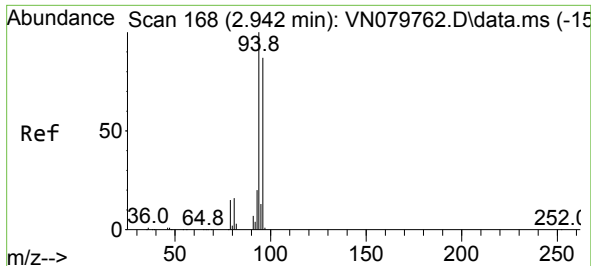
Tgt Ion: 50 Resp: 2355

Ion Ratio Lower Upper

50 100

52 35.9 26.5 39.7

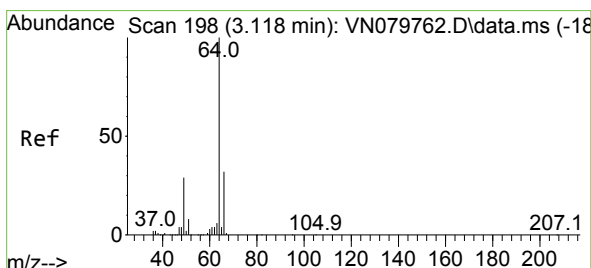
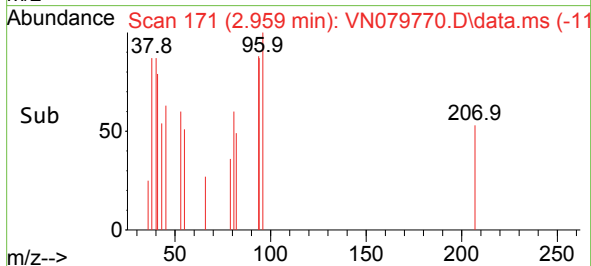
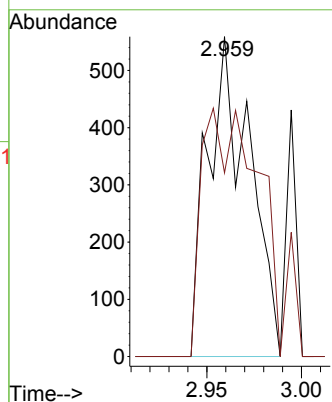
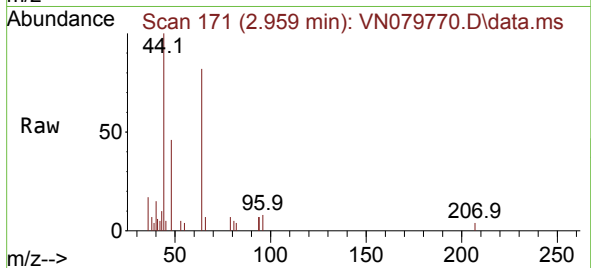




#5
Bromomethane
Concen: 0.300 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

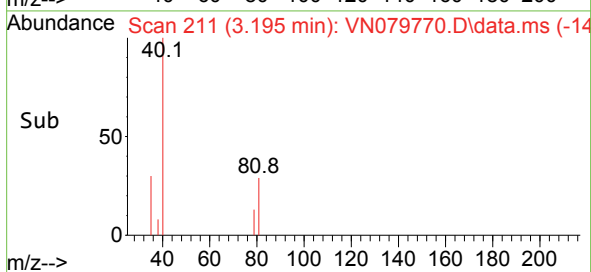
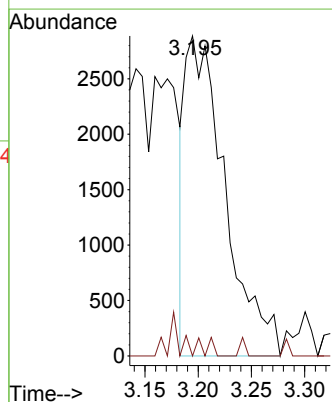
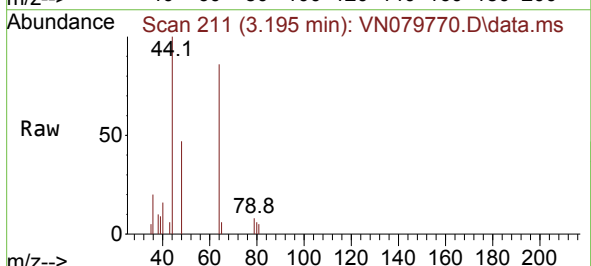
Instrument :
MSVOA_N
ClientSampleId :

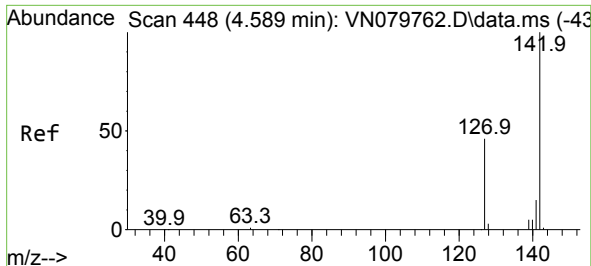
Tgt Ion: 94 Resp: 857
Ion Ratio Lower Upper
94 100
96 57.4 73.1 109.7#



#6
Chloroethane
Concen: 2.022 ug/l
RT: 3.195 min Scan# 211
Delta R.T. 0.077 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

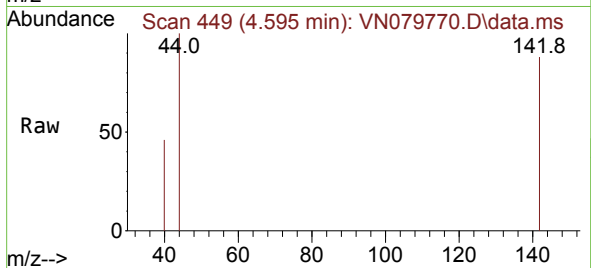
Tgt Ion: 64 Resp: 7520
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



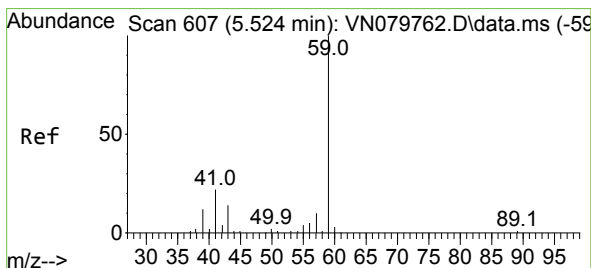
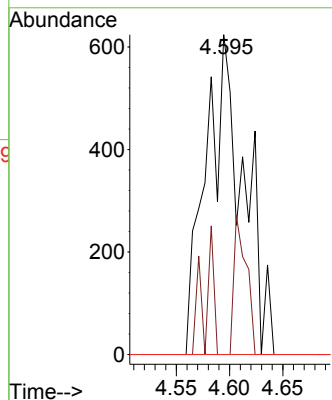
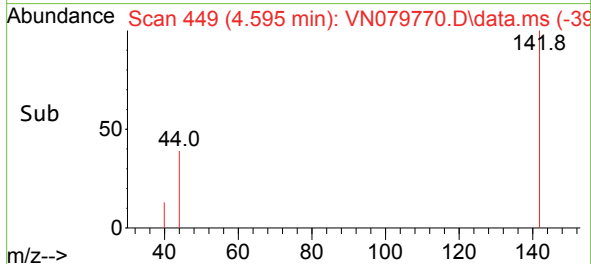


#10
Methyl Iodide
Concen: 0.396 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

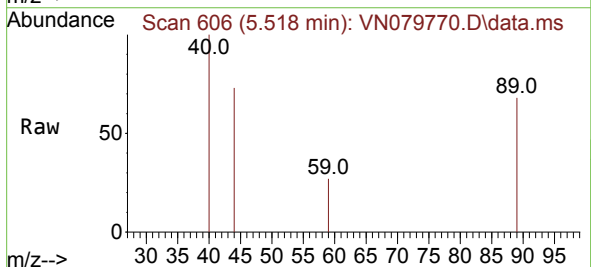
Instrument :
MSVOA_N
ClientSampleId :



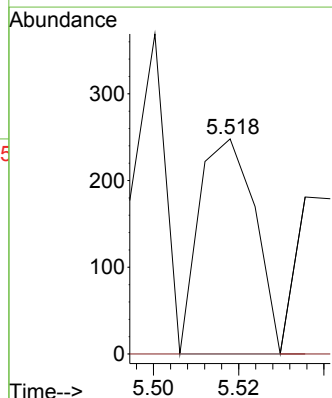
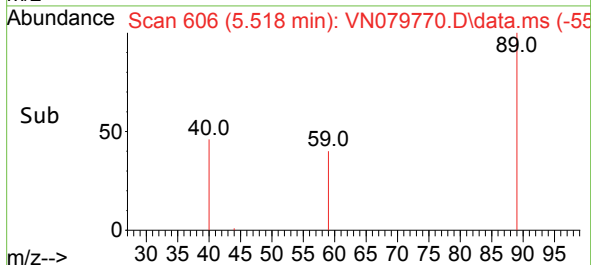
Tgt Ion:142 Resp: 1533
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#

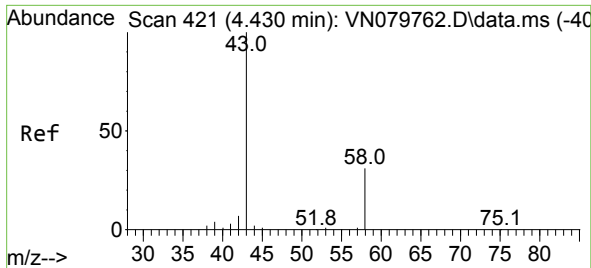


#11
Tert butyl alcohol
Concen: 0.389 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34



Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

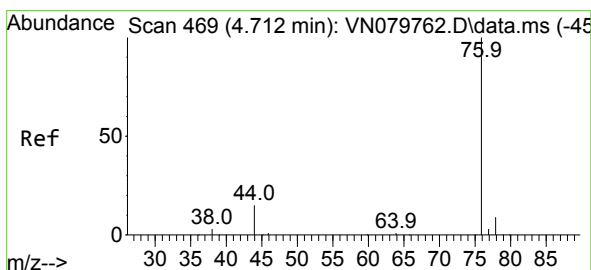
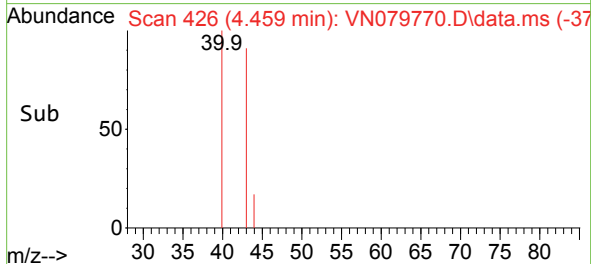
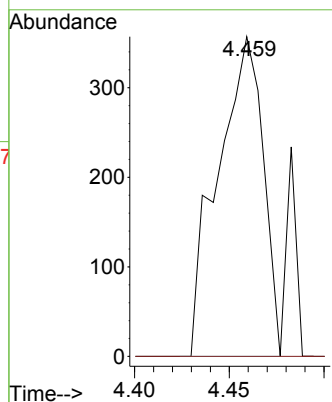
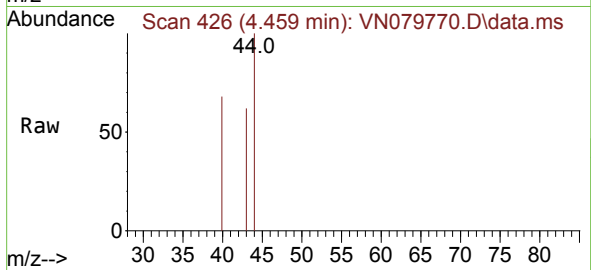




#16
Acetone
Concen: 0.372 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

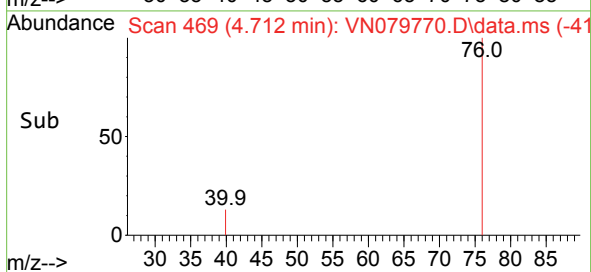
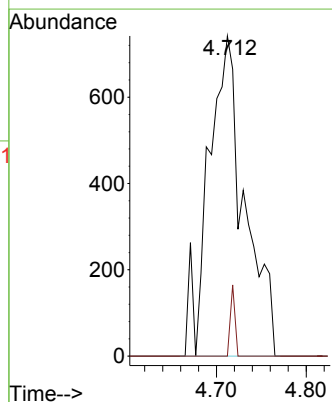
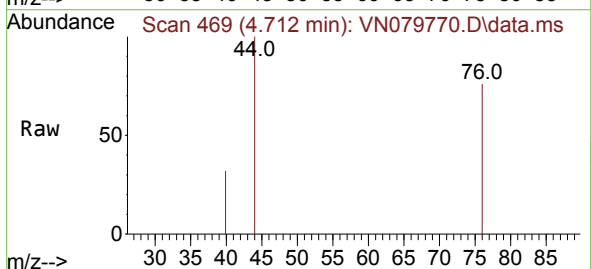
Instrument :
MSVOA_N
ClientSampleId :

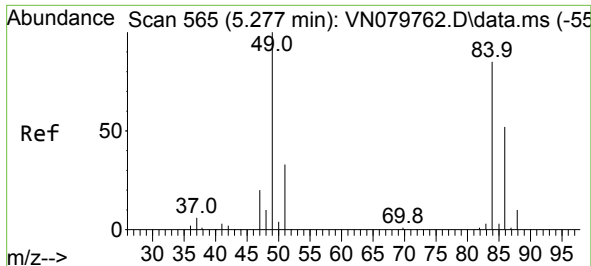
Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.223 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

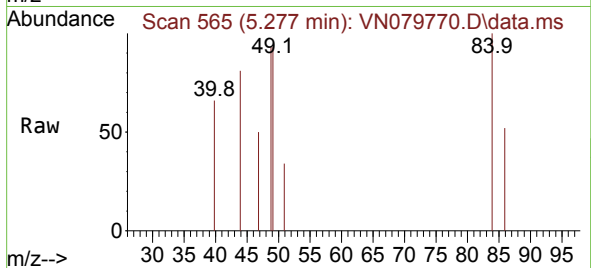
Tgt Ion: 76 Resp: 2068
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





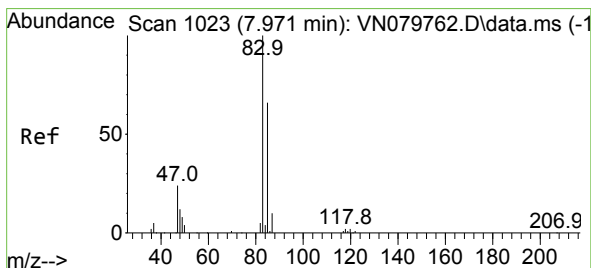
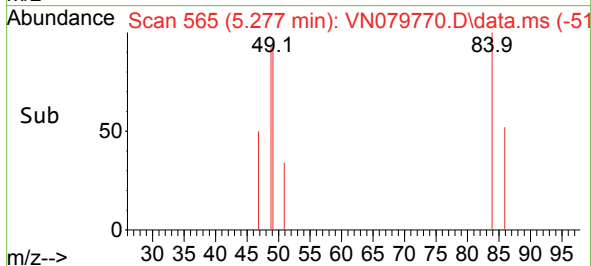
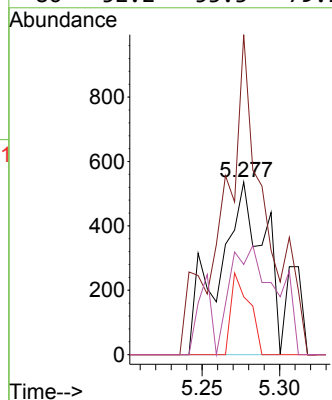
#20
Methylene Chloride
Concen: 0.269 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1083

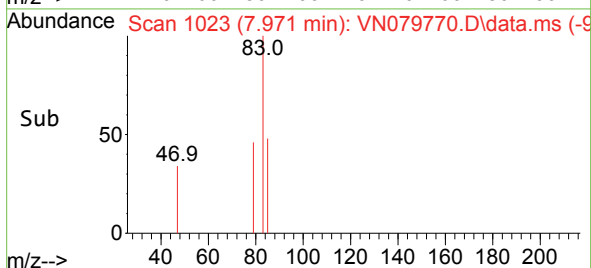
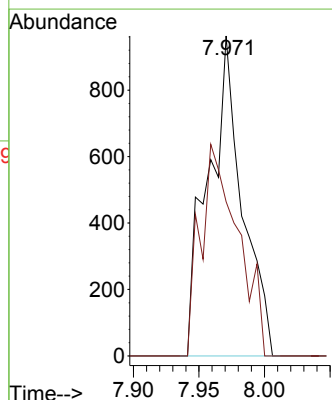
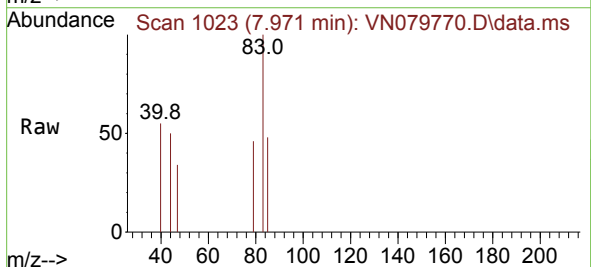
Ion	Ratio	Lower	Upper
84	100		
49	185.4	79.7	119.5#
51	33.6	25.2	37.8
86	52.2	53.3	79.9#

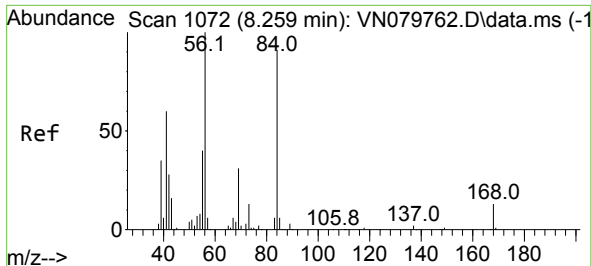


#30
Chloroform
Concen: 0.231 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

Tgt Ion: 83 Resp: 1738

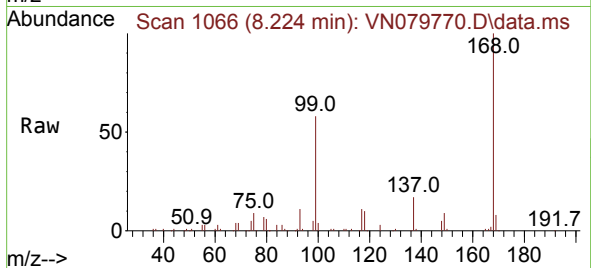
Ion	Ratio	Lower	Upper
83	100		
85	48.2	55.4	83.0#



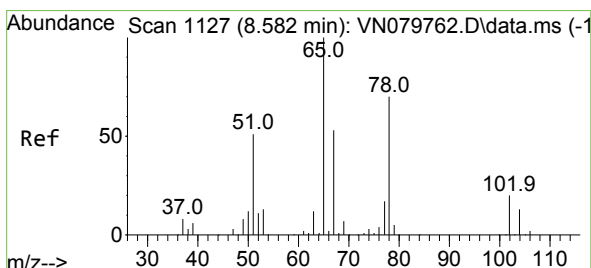
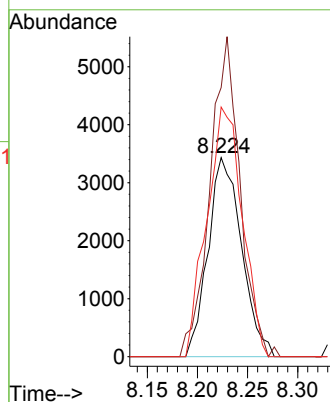
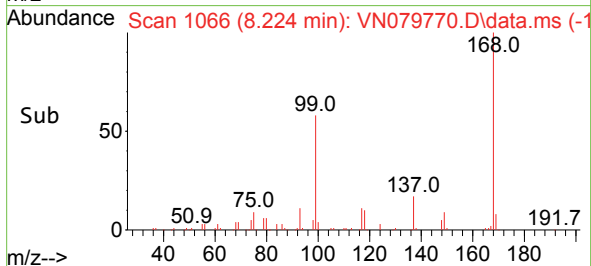


#31
Cyclohexane
Concen: 1.327 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

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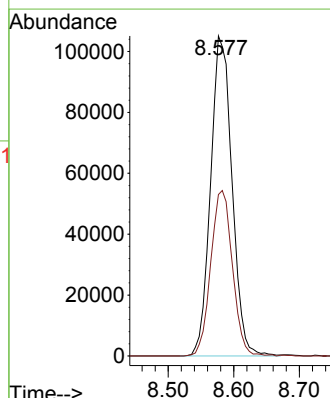
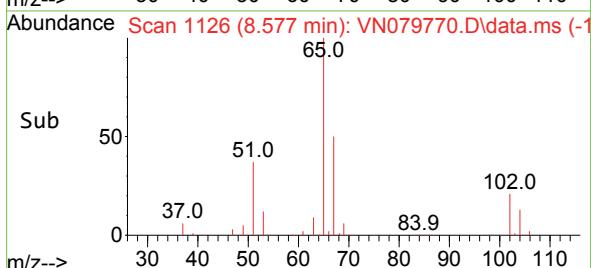
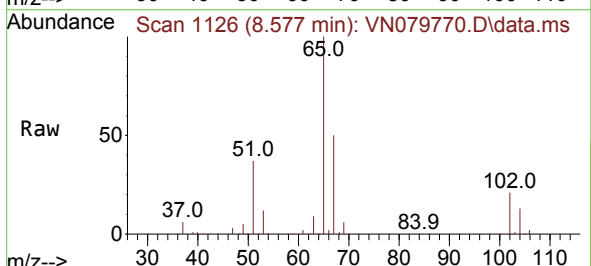


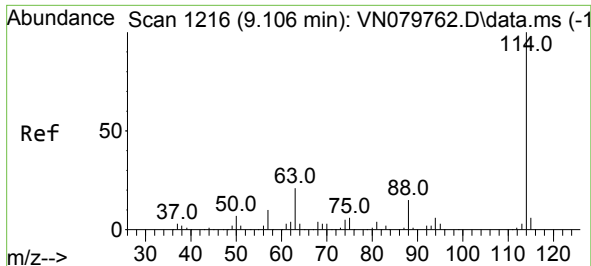
Tgt Ion: 56 Resp: 7974
Ion Ratio Lower Upper
56 100
69 135.2 26.8 40.2#
84 125.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 52.384 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

Tgt Ion: 65 Resp: 238263
Ion Ratio Lower Upper
65 100
67 52.3 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: VN079770.D

Acq: 01 Nov 2023 14:34

Instrument :

MSVOA_N

ClientSampleId :

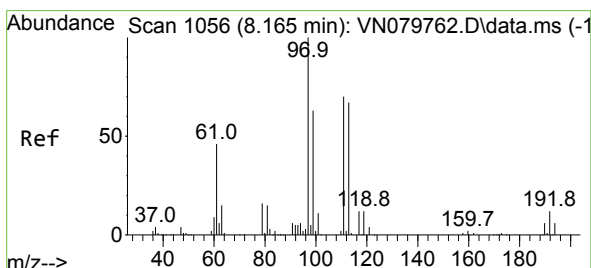
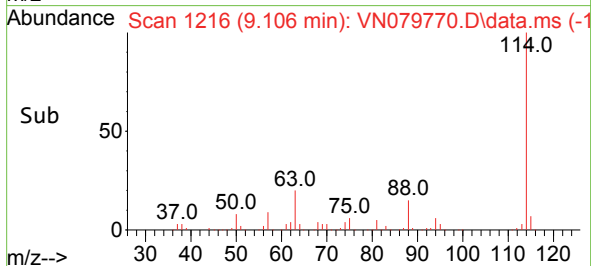
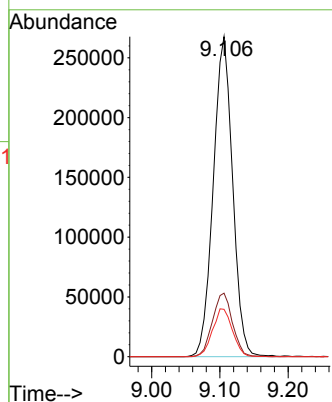
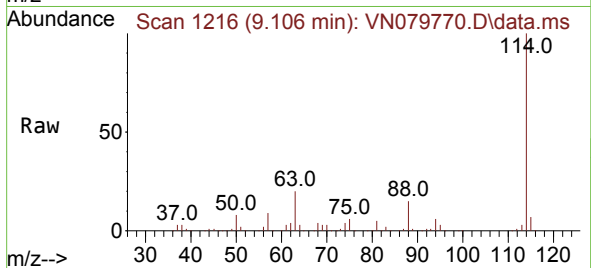
Tgt Ion:114 Resp: 529093

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.467 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079770.D

Acq: 01 Nov 2023 14:34

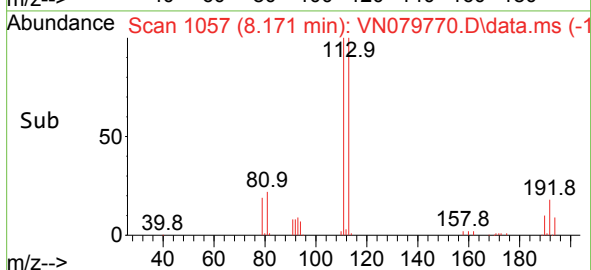
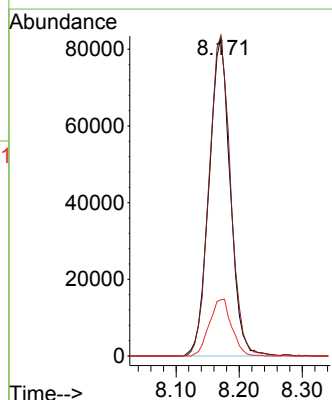
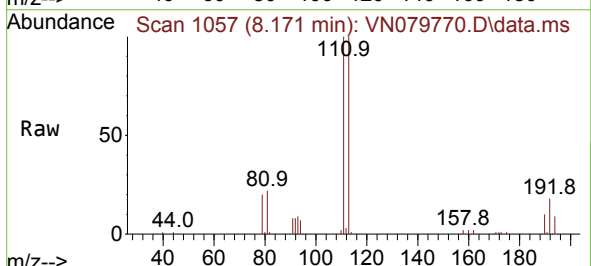
Tgt Ion:113 Resp: 192727

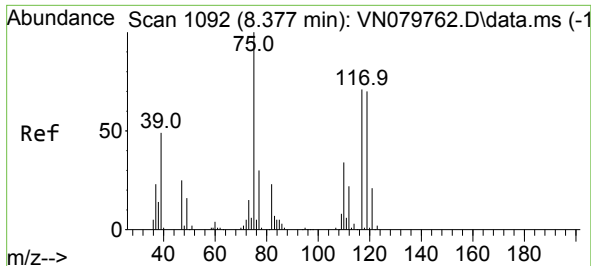
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

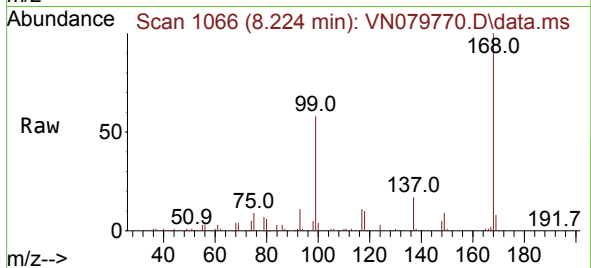
192 18.8 12.7 19.1



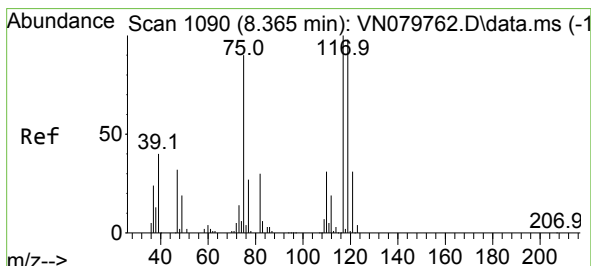
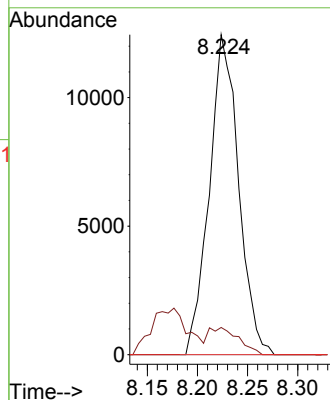
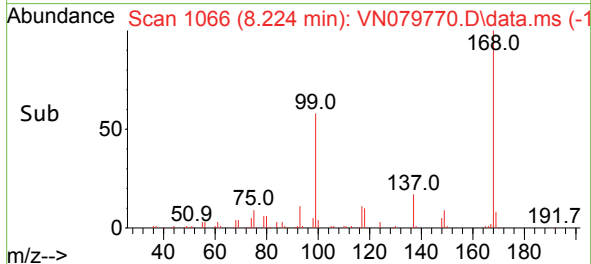


#36
1,1-Dichloropropene
Concen: 4.725 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

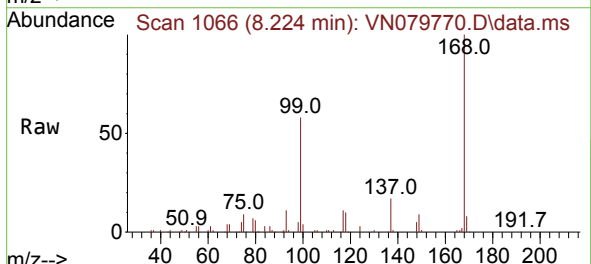
Instrument :
MSVOA_N
ClientSampleId :



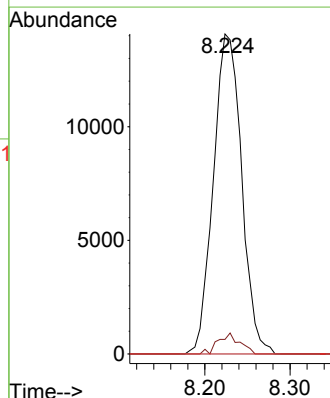
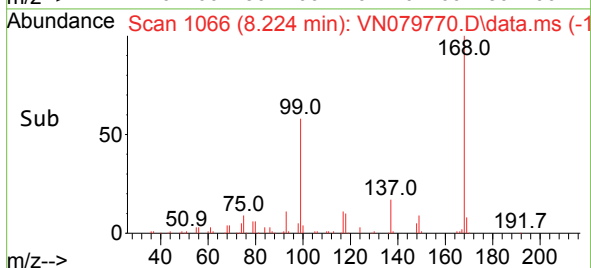
Tgt Ion: 75 Resp: 25261
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#

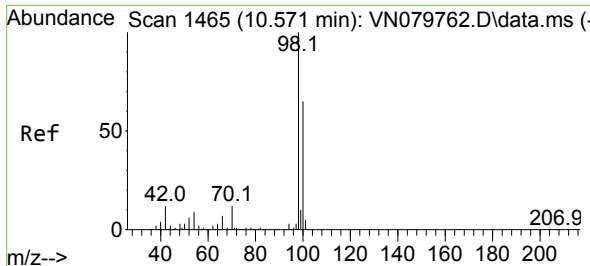


#38
Carbon Tetrachloride
Concen: 6.016 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34



Tgt Ion: 117 Resp: 32416
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 23.3 34.9#

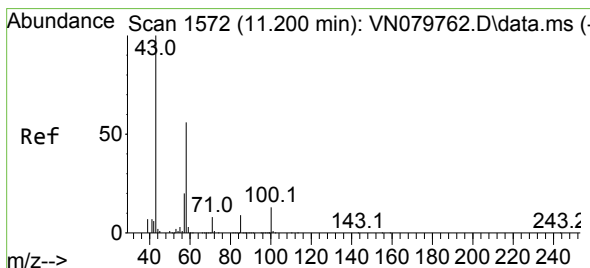
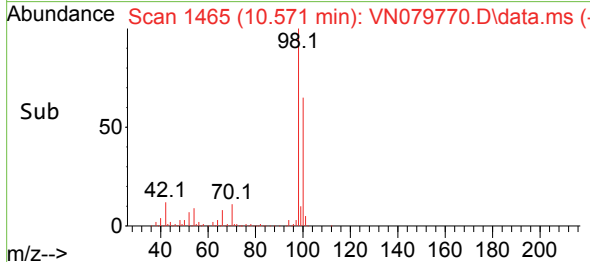
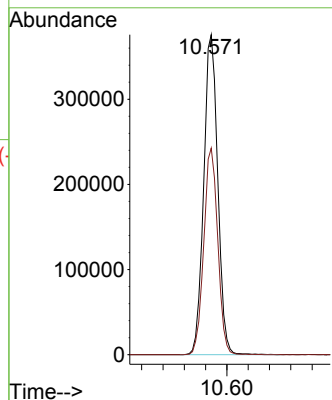
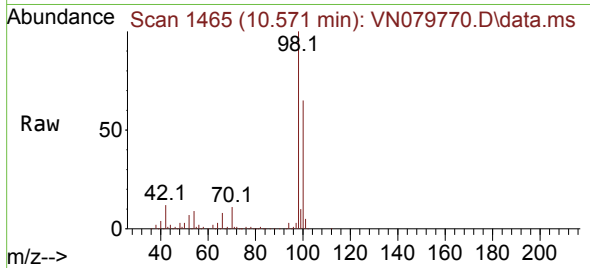




#50
Toluene-d8
Concen: 49.862 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

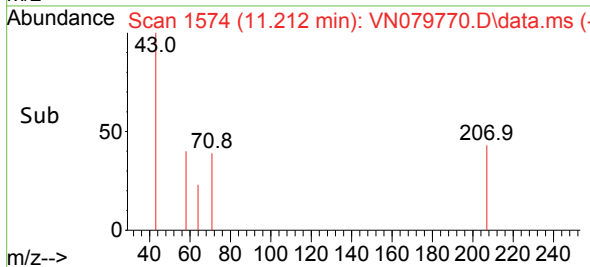
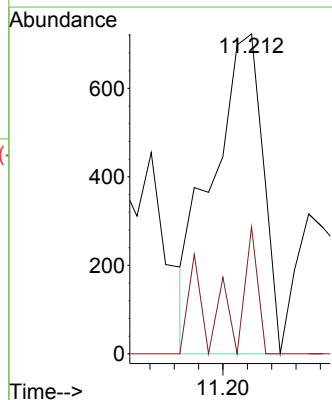
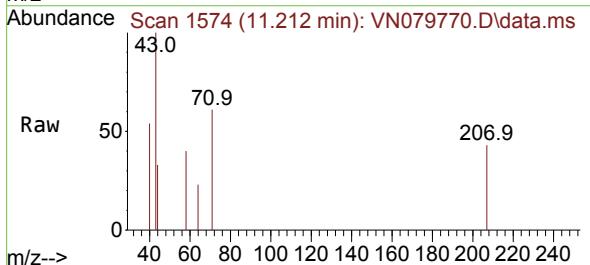
Instrument :
MSVOA_N
ClientSampleId :

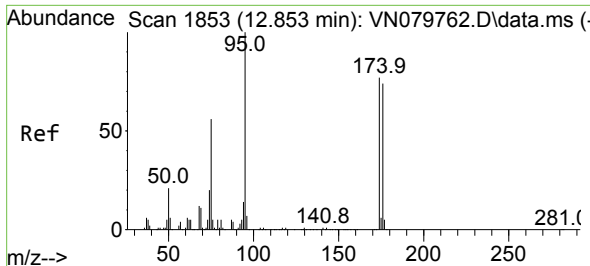
Tgt Ion: 98 Resp: 687384
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#59
2-Hexanone
Concen: 0.285 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

Tgt Ion: 43 Resp: 1054
Ion Ratio Lower Upper
43 100
58 15.4 31.7 95.1#

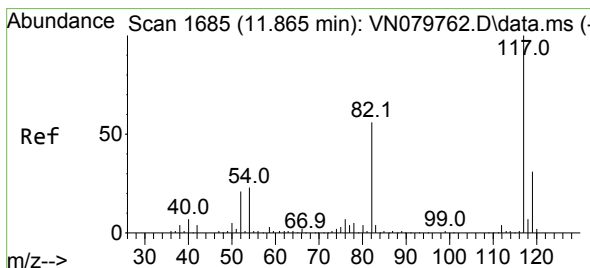
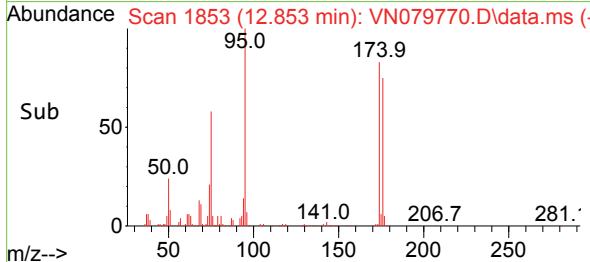
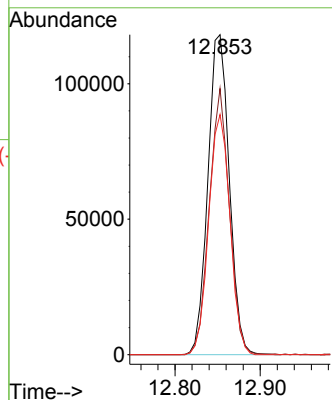
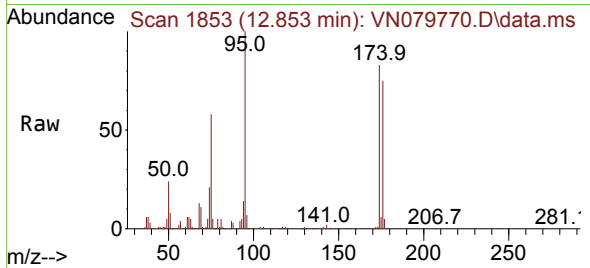




#62
4-Bromofluorobenzene
Concen: 45.062 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

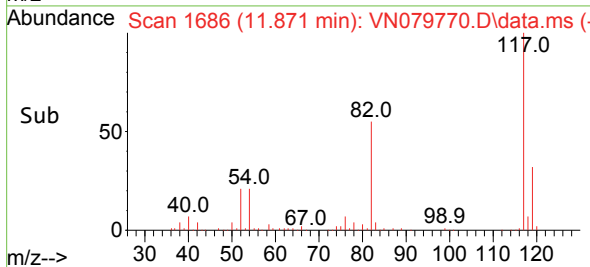
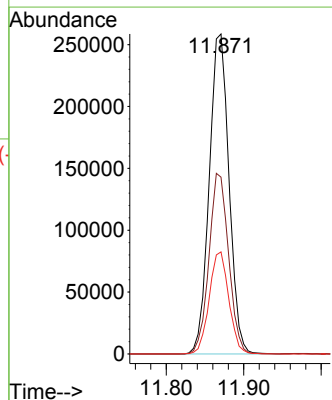
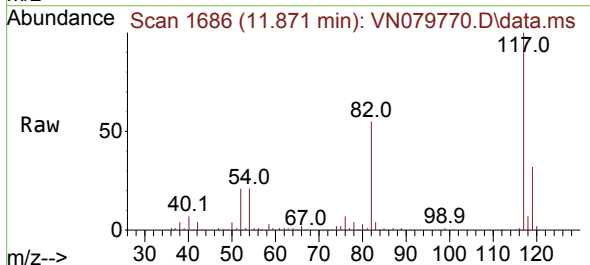
Instrument :
MSVOA_N
ClientSampleId :

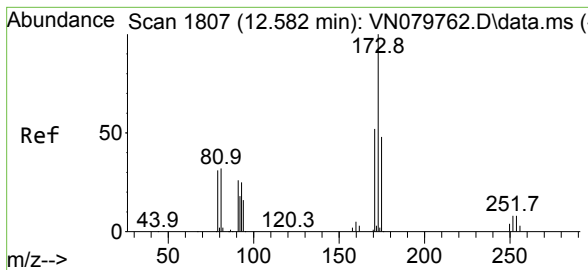
Tgt Ion: 95 Resp: 206024
Ion Ratio Lower Upper
95 100
174 78.4 0.0 143.8
176 74.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

Tgt Ion: 117 Resp: 459605
Ion Ratio Lower Upper
117 100
82 55.2 44.0 66.0
119 31.9 25.6 38.4





#71

Bromoform

Concen: 0.632 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079770.D

Acq: 01 Nov 2023 14:34

Instrument :

MSVOA_N

ClientSampleId :

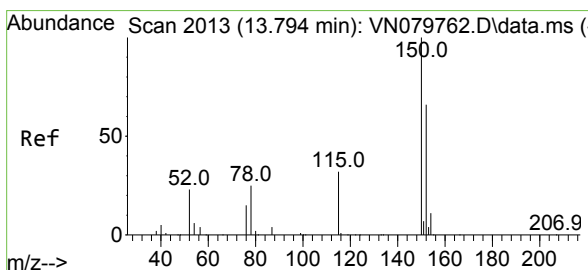
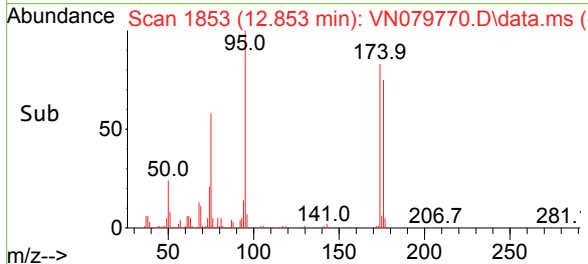
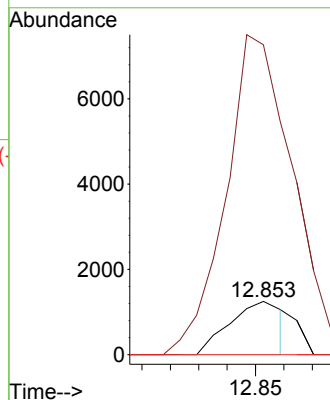
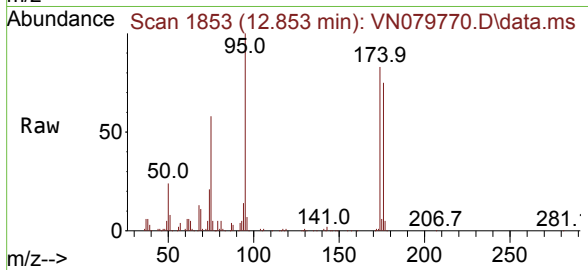
Tgt Ion:173 Resp: 1613

Ion Ratio Lower Upper

173 100

175 610.7 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079770.D

Acq: 01 Nov 2023 14:34

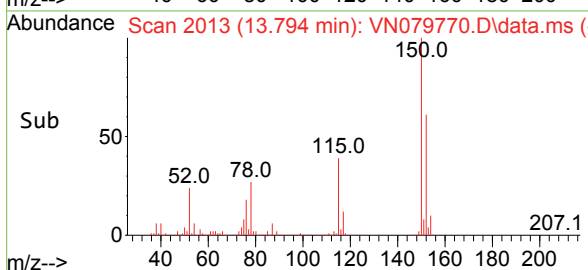
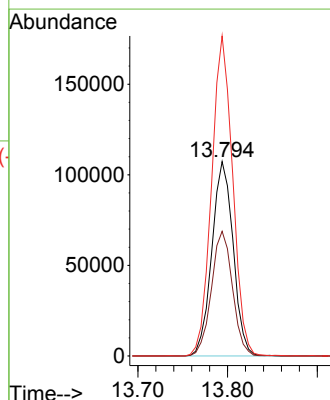
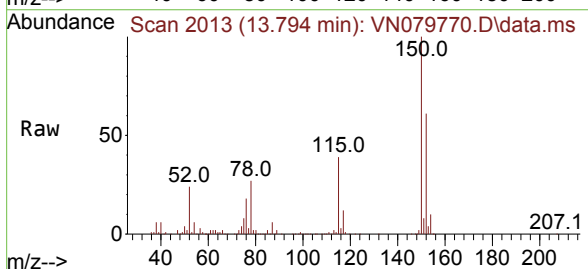
Tgt Ion:152 Resp: 176786

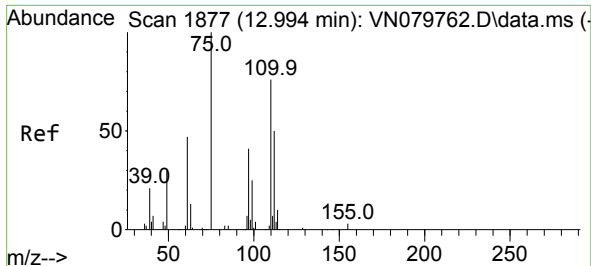
Ion Ratio Lower Upper

152 100

115 63.4 32.3 96.8

150 162.9 0.0 355.8

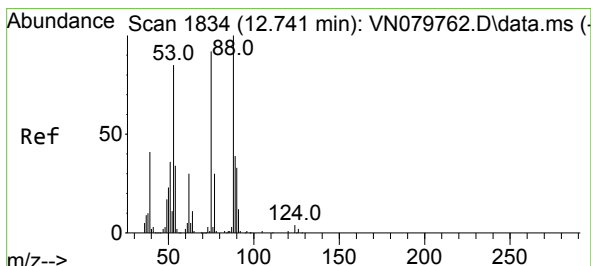
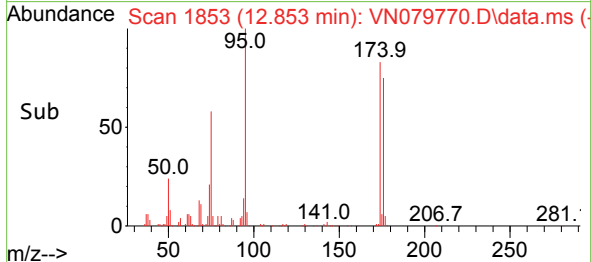
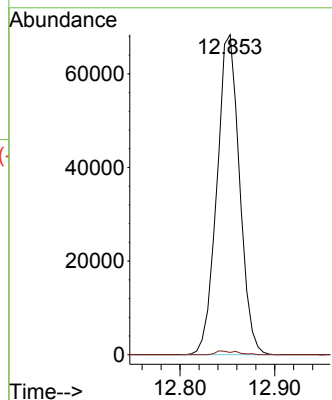
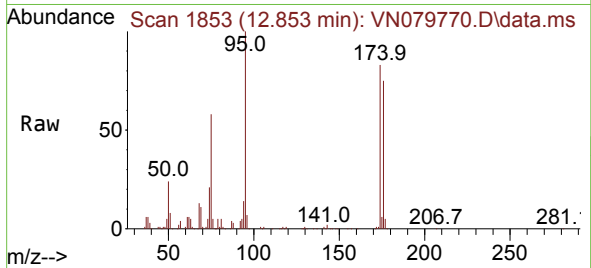




#76
1,2,3-Trichloropropane
Concen: 27.330 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

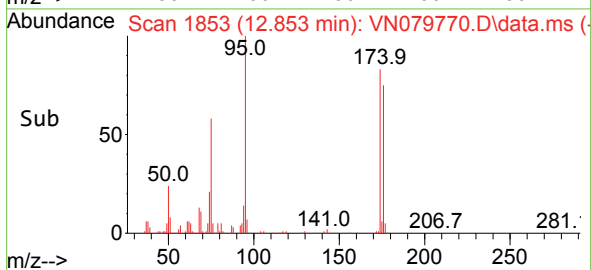
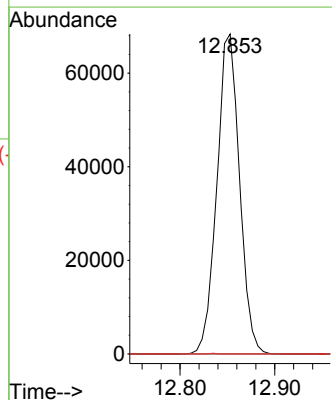
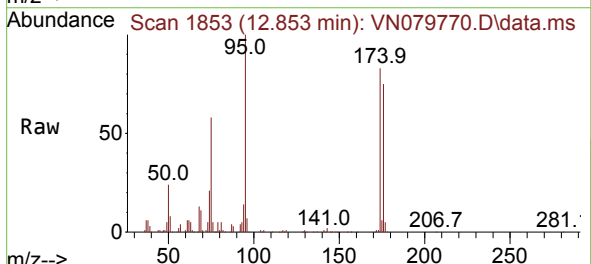
Instrument :
MSVOA_N
ClientSampleId :

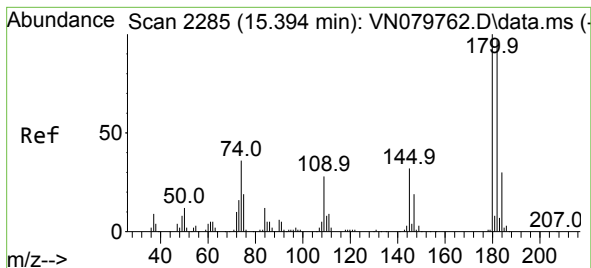
Tgt Ion: 75 Resp: 113430
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.358 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

Tgt Ion: 75 Resp: 113430
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.230 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

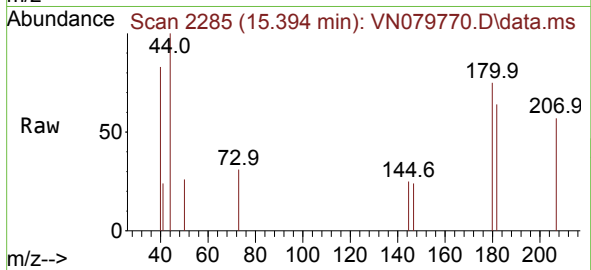
Lab File: VN079770.D

Acq: 01 Nov 2023 14:34

Instrument :

MSVOA_N

ClientSampleId :



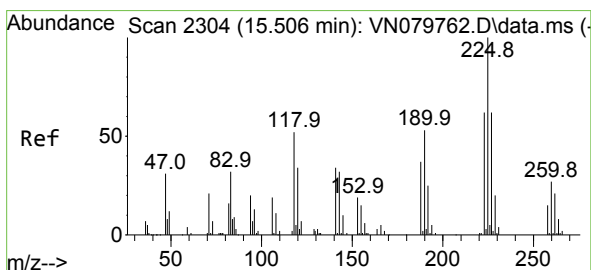
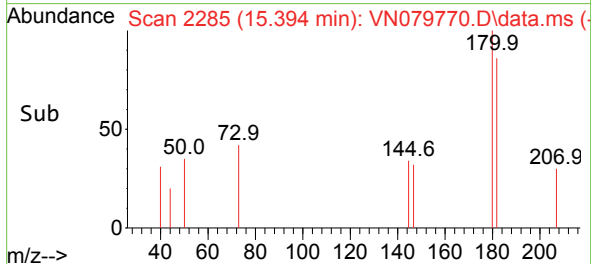
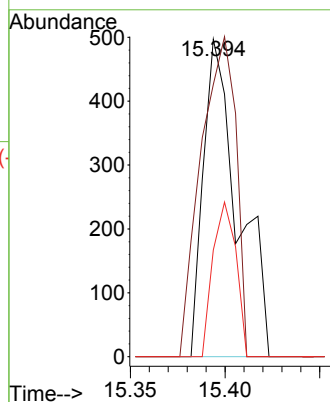
Tgt Ion:180 Resp: 632

Ion Ratio Lower Upper

180 100

182 102.4 46.1 138.2

145 32.4 16.6 49.8



#94

Hexachlorobutadiene

Concen: 0.438 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.006 min

Lab File: VN079770.D

Acq: 01 Nov 2023 14:34

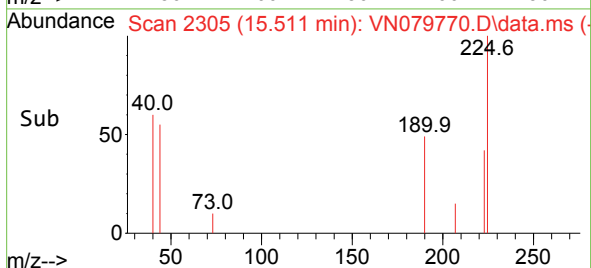
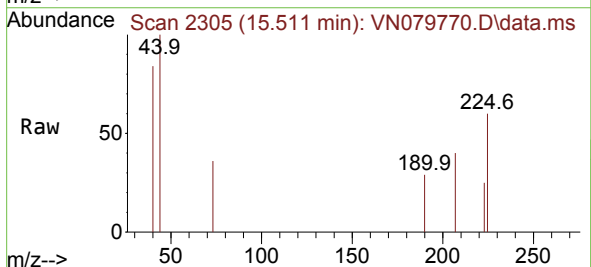
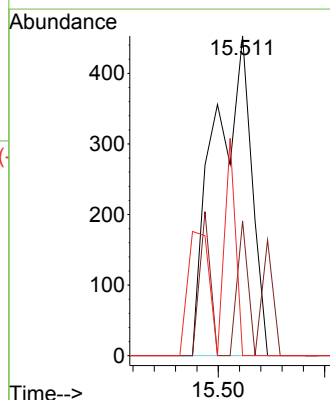
Tgt Ion:225 Resp: 544

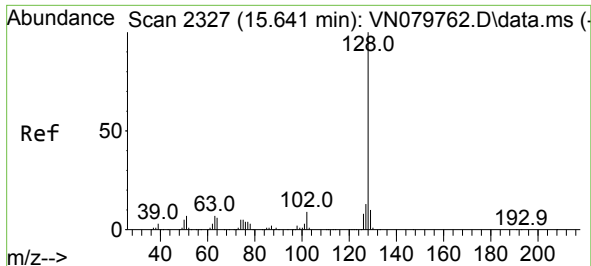
Ion Ratio Lower Upper

225 100

223 23.0 31.3 93.8#

227 0.0 31.9 95.9#

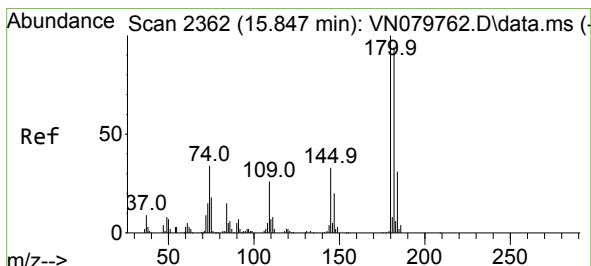
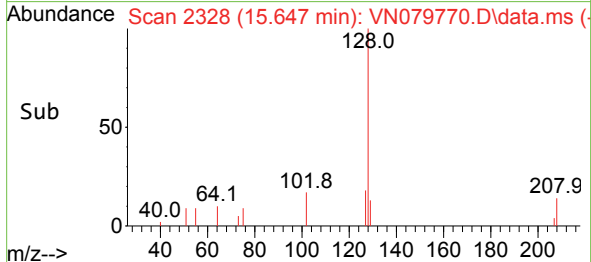
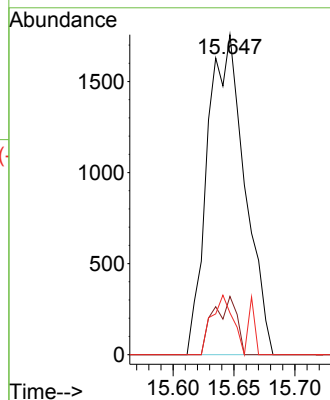
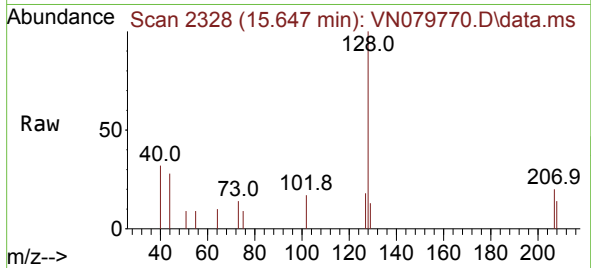




#95
Naphthalene
Concen: 0.403 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3746
Ion Ratio Lower Upper
128 100
127 11.3 10.0 15.0
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.245 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.012 min
Lab File: VN079770.D
Acq: 01 Nov 2023 14:34

Tgt Ion:180 Resp: 658
Ion Ratio Lower Upper
180 100
182 119.6 46.2 138.6
145 22.8 17.5 52.6

