

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110723\
 Data File : VN079961.D
 Acq On : 07 Nov 2023 13:31
 Operator : JC\MD
 Sample : VN1107WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBL01

Quant Time: Nov 08 04:26:29 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)

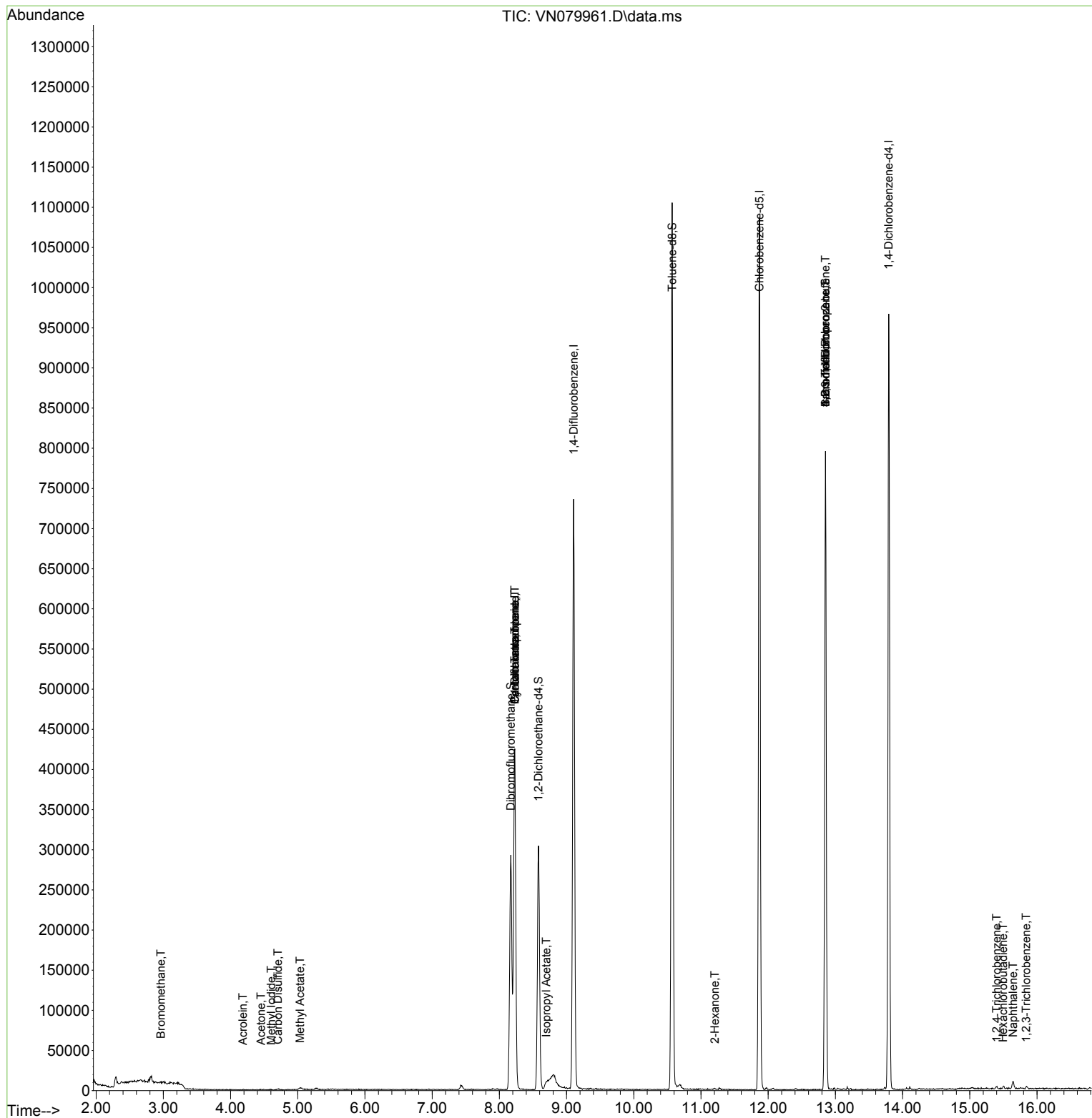
Internal Standards						
1) Pentafluorobenzene	8.230	168	302409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	615255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	610893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	247679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	252310	54.763	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.520%			
35) Dibromofluoromethane	8.171	113	206740	47.477	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.960%			
50) Toluene-d8	10.571	98	745944	46.533	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.060%			
62) 4-Bromofluorobenzene	12.853	95	265850	50.004	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.000%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1394	Below Cal	#	79
5) Bromomethane	2.965	94	1478	0.510	ug/l #	54
10) Methyl Iodide	4.606	142	838	0.213	ug/l #	85
13) Acrolein	4.183	56	127	2.806	ug/l #	76
16) Acetone	4.453	43	551	0.340	ug/l #	40
17) Carbon Disulfide	4.706	76	2616	0.279	ug/l #	75
18) Methyl Acetate	5.036	43	4830	0.624	ug/l #	64
31) Cyclohexane	8.230	56	8302	1.364	ug/l #	45
36) 1,1-Dichloropropene	8.230	75	28208	4.537	ug/l #	48
38) Carbon Tetrachloride	8.230	117	32126	5.127	ug/l #	17
43) Isopropyl Acetate	8.700	43	7493	0.749	ug/l #	49
59) 2-Hexanone	11.206	43	1291	0.300	ug/l	64
71) Bromoform	12.853	173	1504	0.444	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	146524	25.199	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	146524	68.559	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	1145	0.298	ug/l	94
94) Hexachlorobutadiene	15.494	225	858	0.493	ug/l	87
95) Naphthalene	15.647	128	9360	0.718	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	1176	0.312	ug/l	90

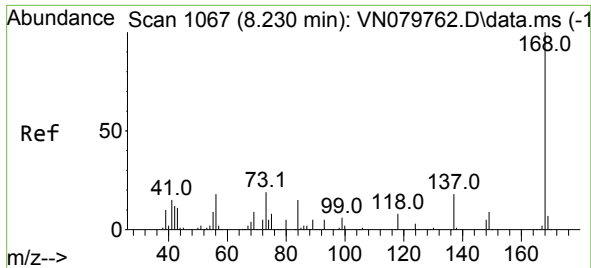
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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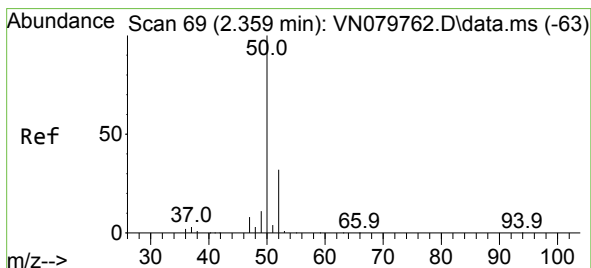
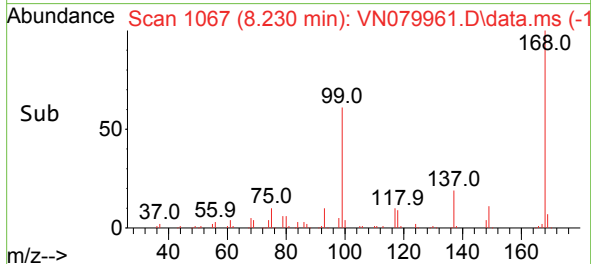
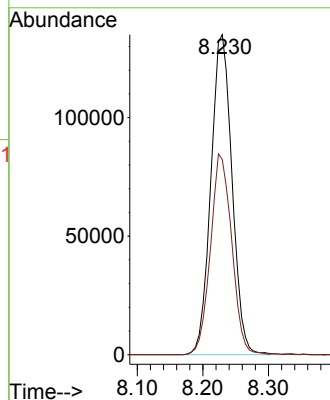
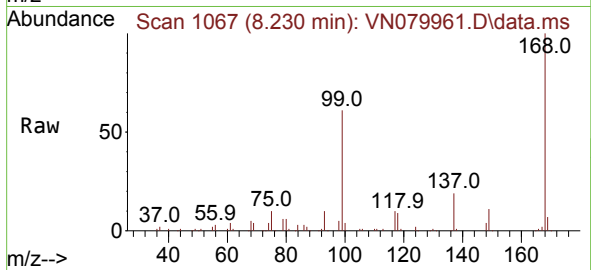




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

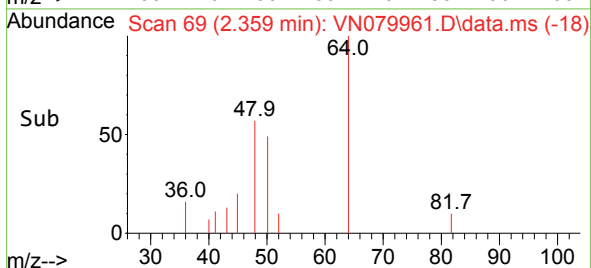
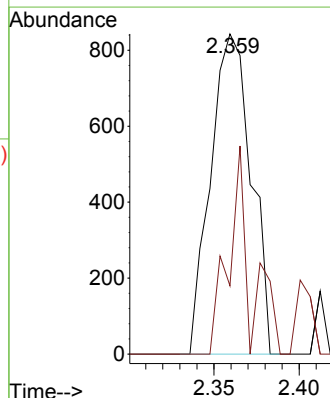
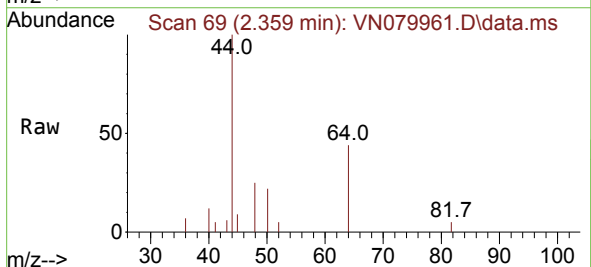
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBL01

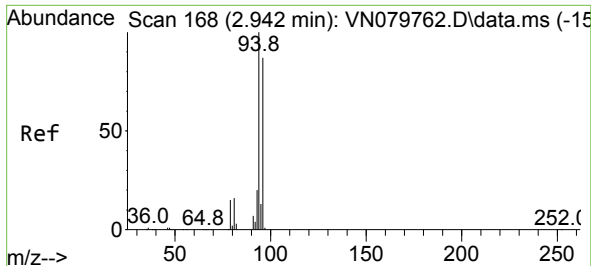
Tgt Ion:168 Resp: 302409
Ion Ratio Lower Upper
168 100
99 61.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

Tgt Ion: 50 Resp: 1394
Ion Ratio Lower Upper
50 100
52 21.4 26.5 39.7#

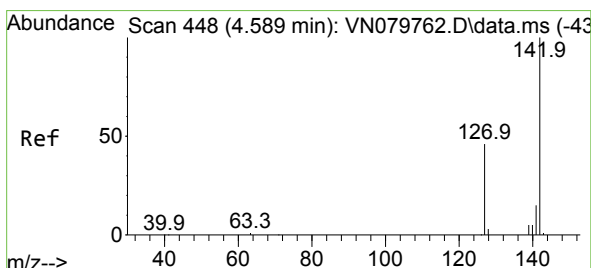
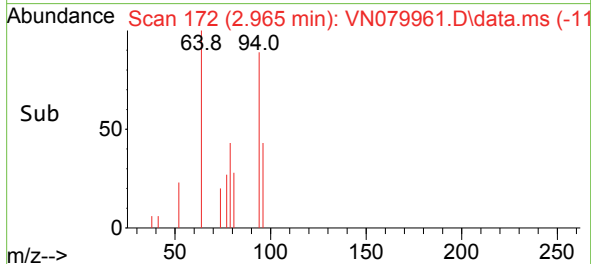
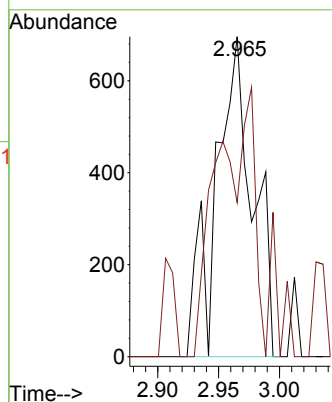
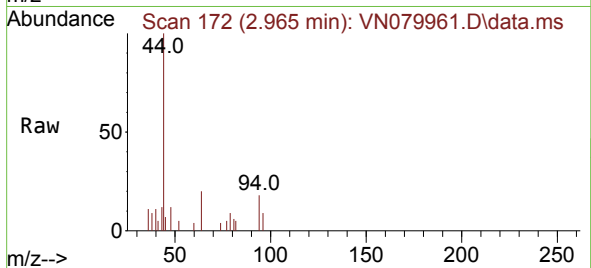




#5
Bromomethane
Concen: 0.510 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

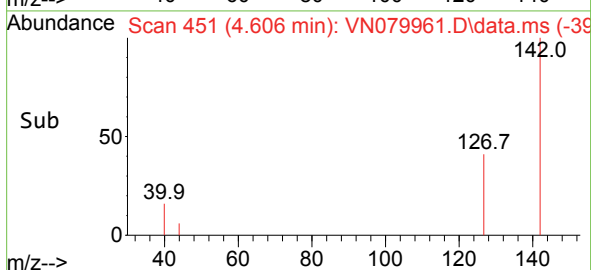
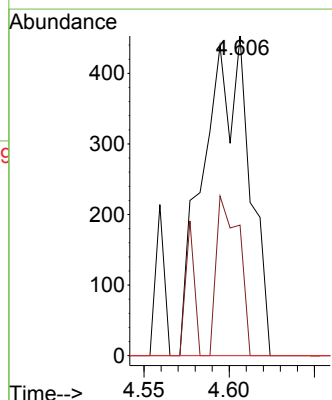
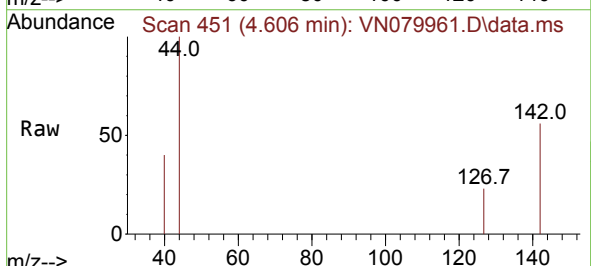
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBL01

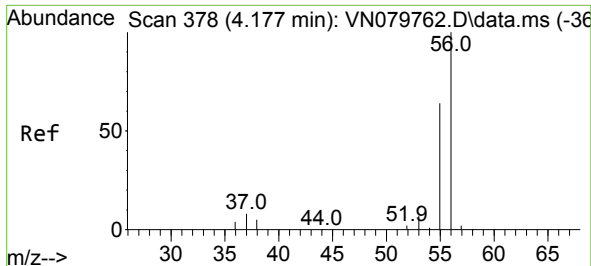
Tgt Ion: 94 Resp: 1478
Ion Ratio Lower Upper
94 100
96 48.1 73.1 109.7#



#10
Methyl Iodide
Concen: 0.213 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

Tgt Ion:142 Resp: 838
Ion Ratio Lower Upper
142 100
127 40.8 37.6 56.4
141 0.0 11.4 17.0#





#13

Acrolein

Concen: 2.806 ug/l

RT: 4.183 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN079961.D

Acq: 07 Nov 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

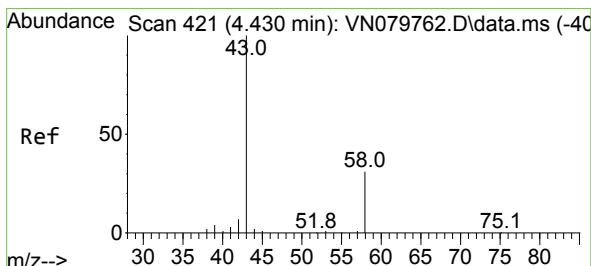
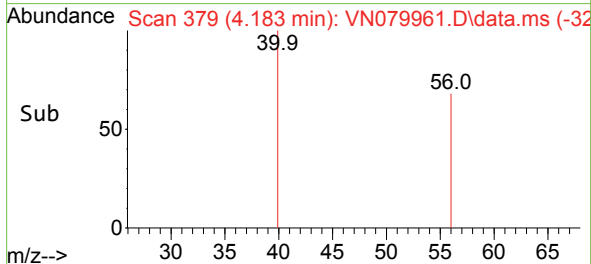
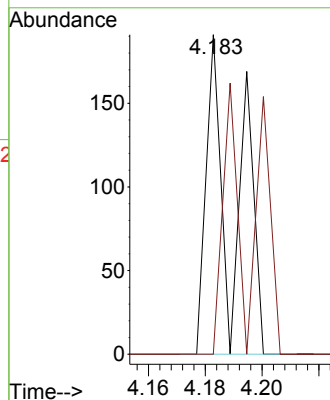
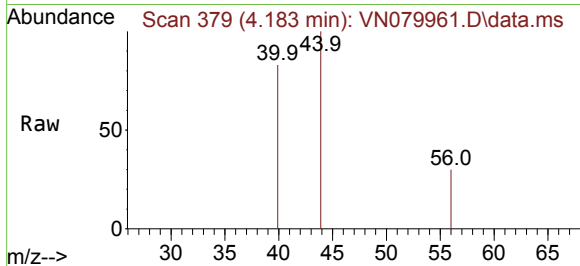
VN1107WBL01

Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 87.4 54.5 81.7#



#16

Acetone

Concen: 0.340 ug/l

RT: 4.453 min Scan# 425

Delta R.T. 0.024 min

Lab File: VN079961.D

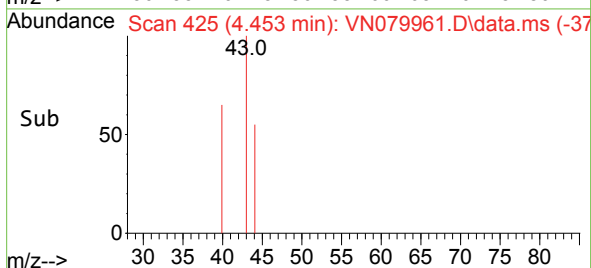
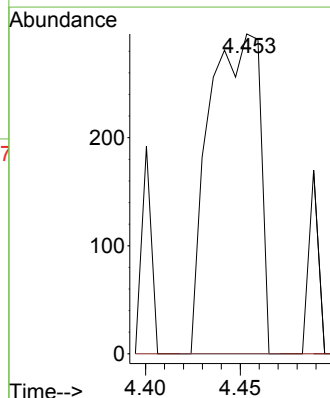
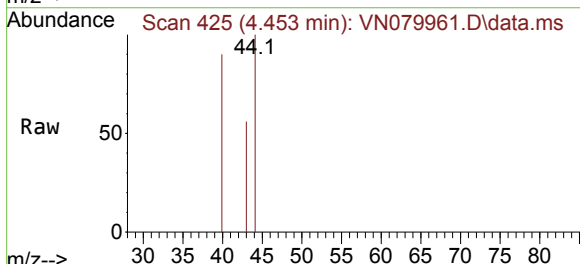
Acq: 07 Nov 2023 13:31

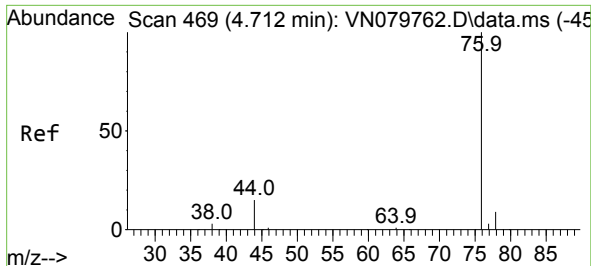
Tgt Ion: 43 Resp: 551

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#

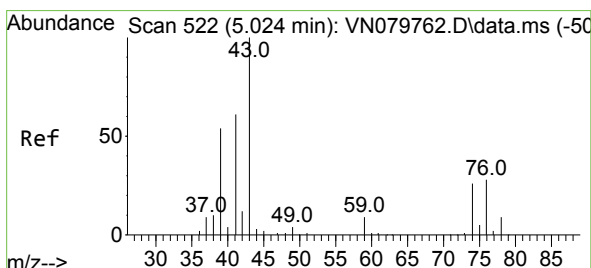
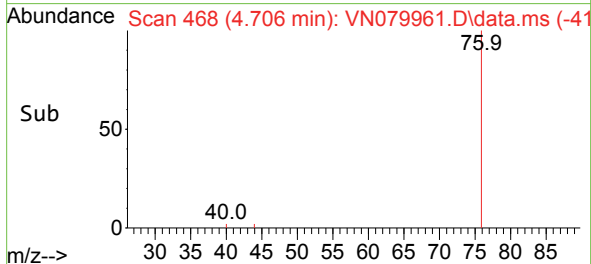
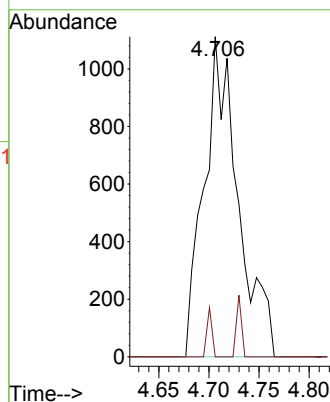
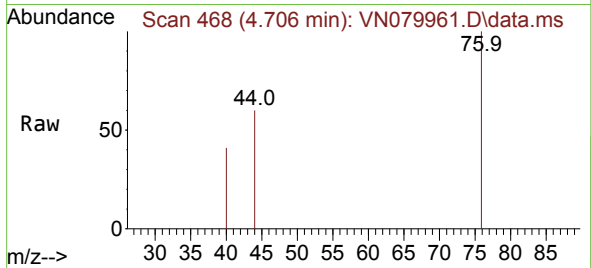




#17
Carbon Disulfide
Concen: 0.279 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

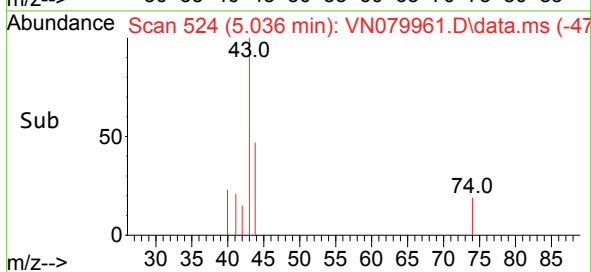
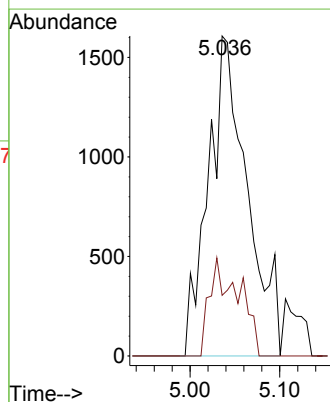
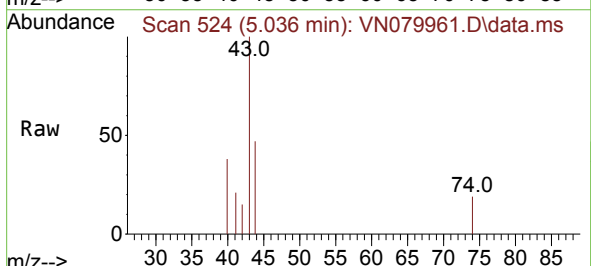
Instrument :
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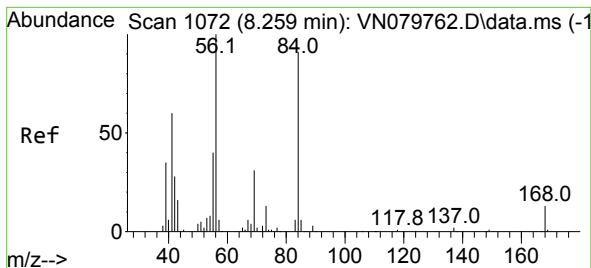
Tgt Ion: 76 Resp: 2616
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.624 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

Tgt Ion: 43 Resp: 4830
Ion Ratio Lower Upper
43 100
74 12.6 26.2 39.4#





#31

Cyclohexane

Concen: 1.364 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN079961.D

Acq: 07 Nov 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBL01

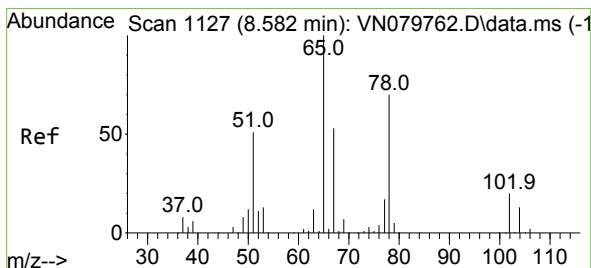
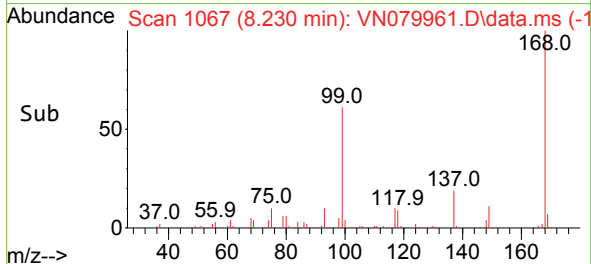
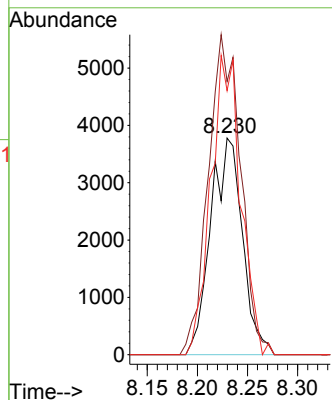
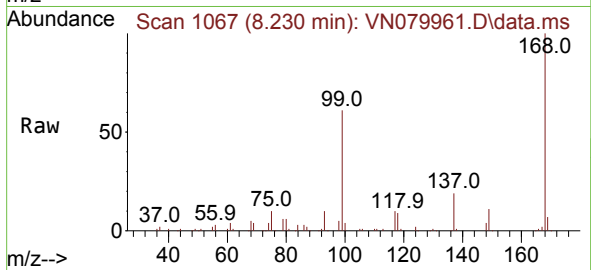
Tgt Ion: 56 Resp: 8302

Ion Ratio Lower Upper

56 100

69 126.1 26.8 40.2#

84 121.9 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 54.763 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079961.D

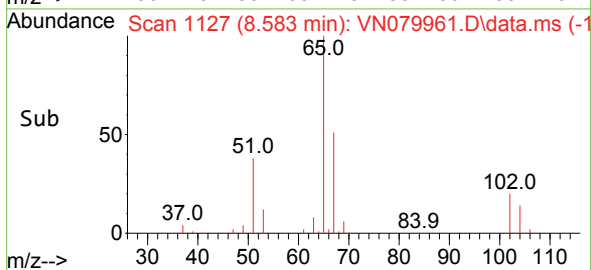
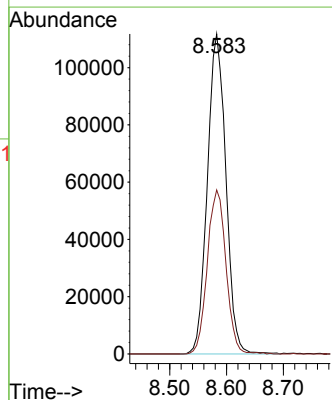
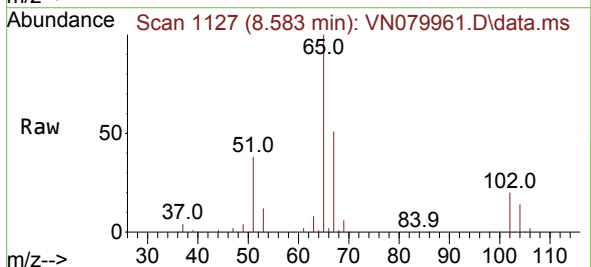
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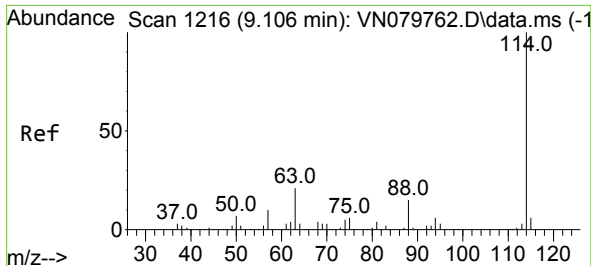
Tgt Ion: 65 Resp: 252310

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.6

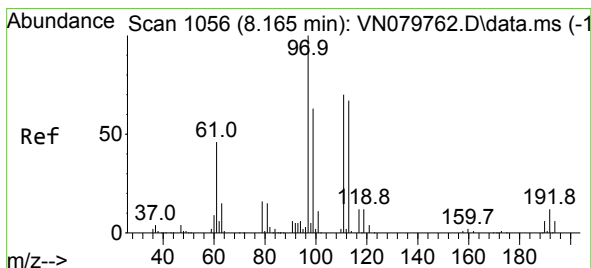
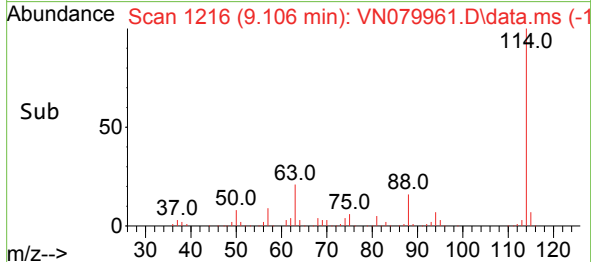
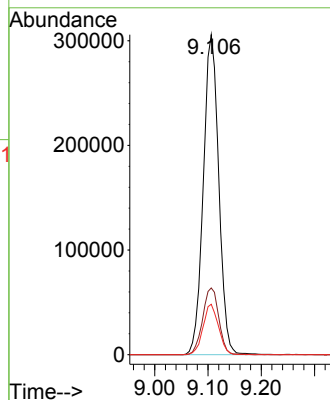
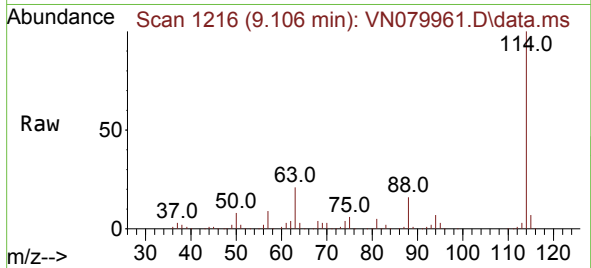




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

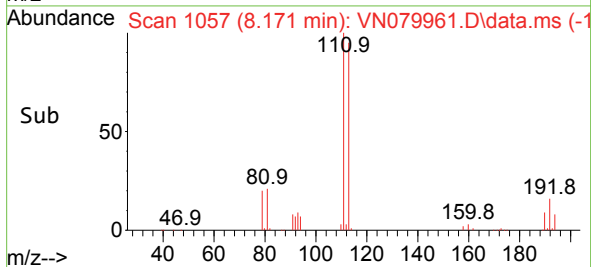
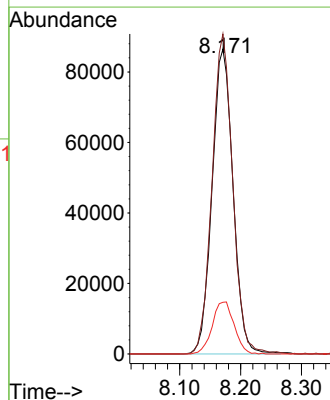
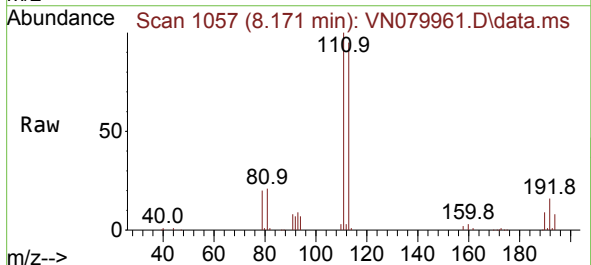
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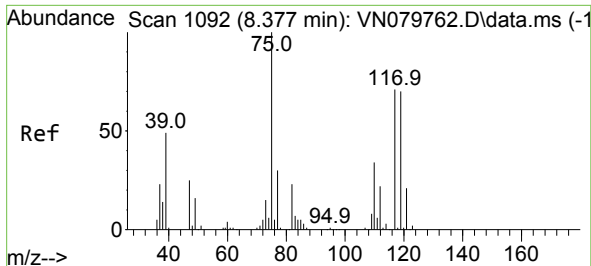
Tgt Ion:114 Resp: 615255
Ion Ratio Lower Upper
114 100
63 20.9 0.0 36.4
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.477 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

Tgt Ion:113 Resp: 206740
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 17.9 12.7 19.1

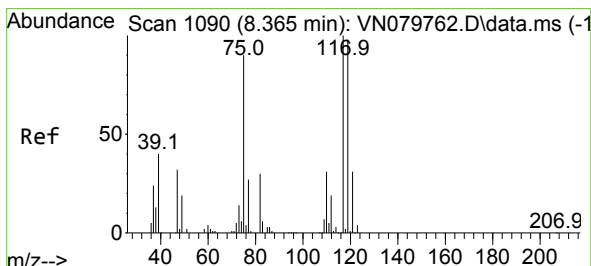
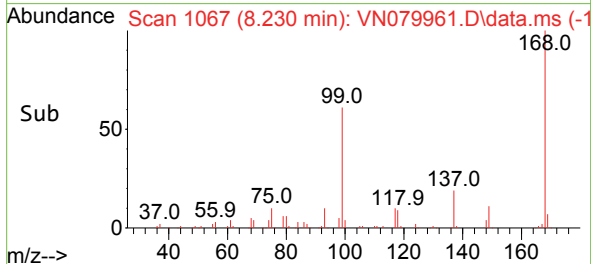
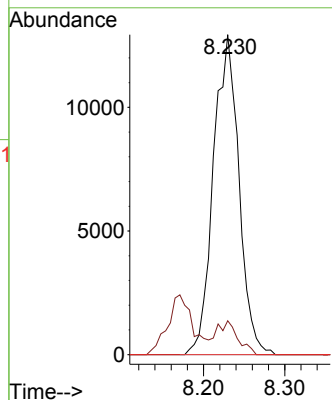
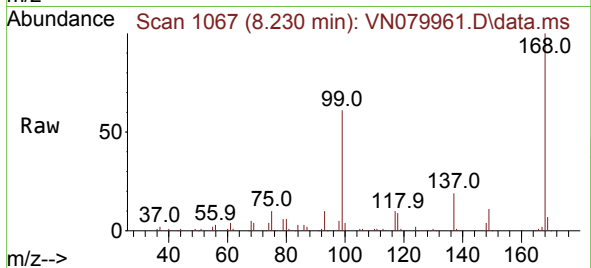




#36
1,1-Dichloropropene
Concen: 4.537 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

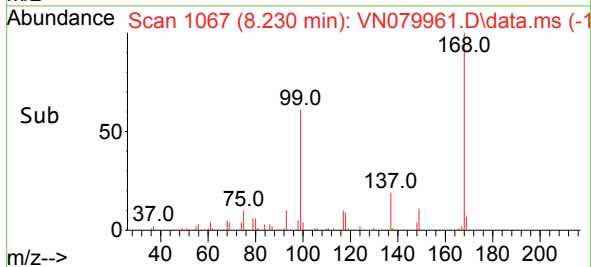
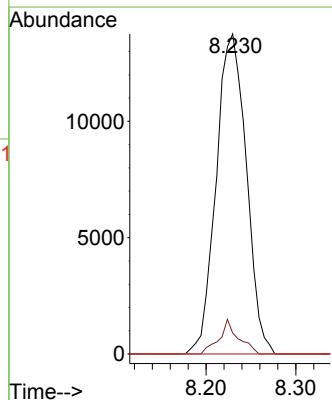
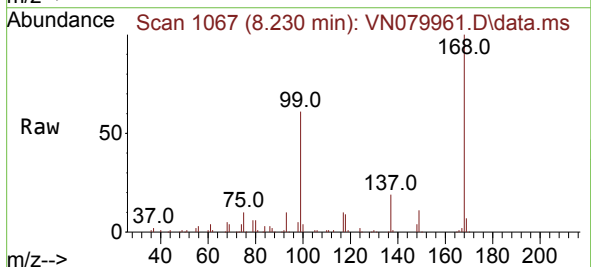
Instrument :
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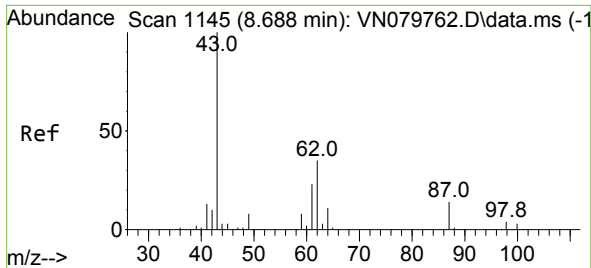
Tgt Ion: 75 Resp: 28208
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.127 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

Tgt Ion: 117 Resp: 32126
Ion Ratio Lower Upper
117 100
119 6.5 77.3 115.9#
121 0.0 23.3 34.9#

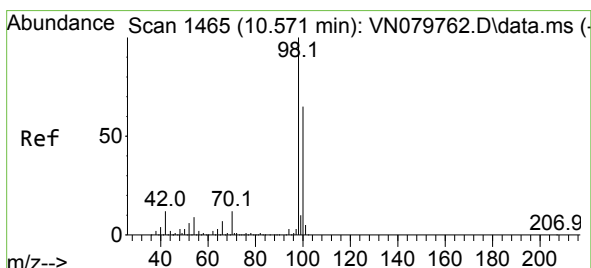
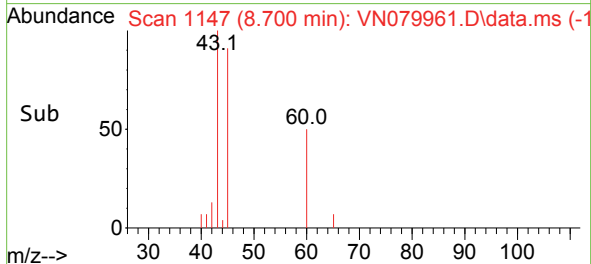
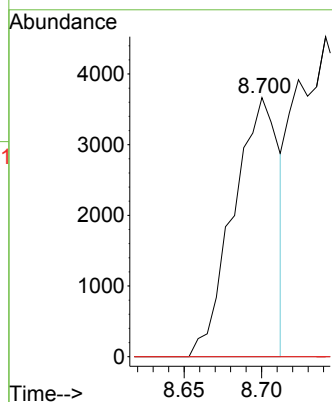
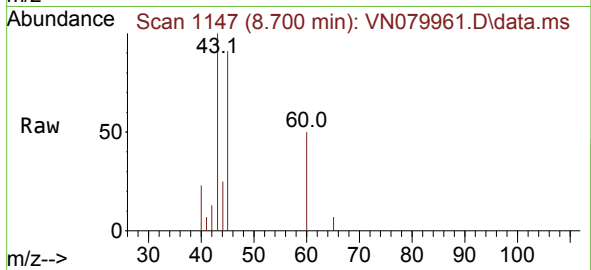




#43
Isopropyl Acetate
Concen: 0.749 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

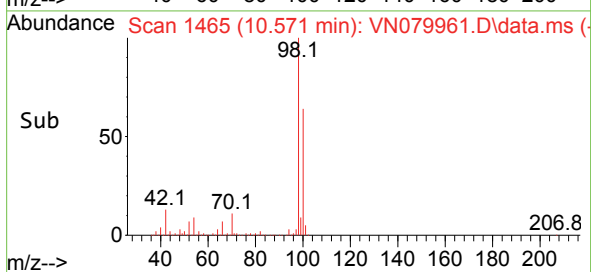
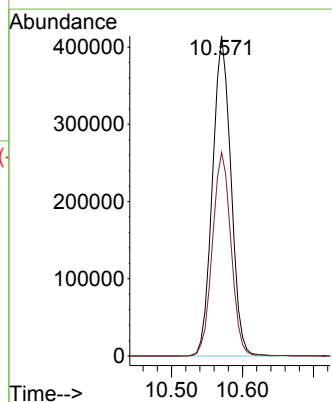
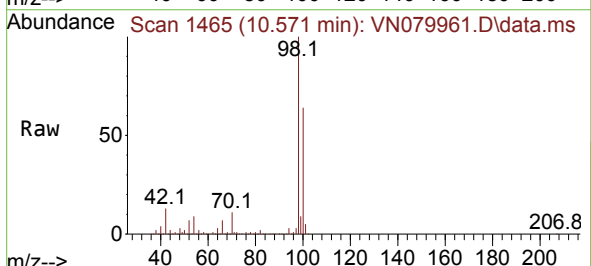
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBL01

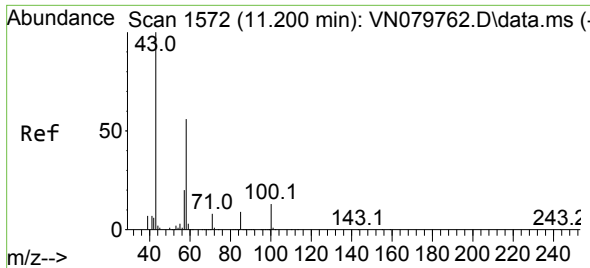
Tgt Ion: 43 Resp: 7493
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.533 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

Tgt Ion: 98 Resp: 745944
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

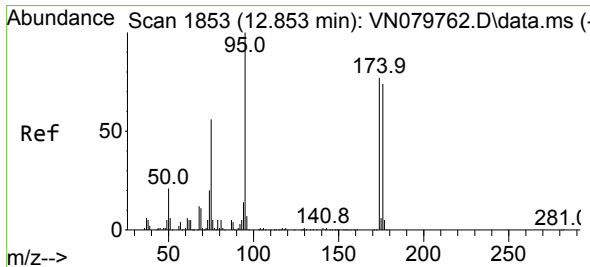
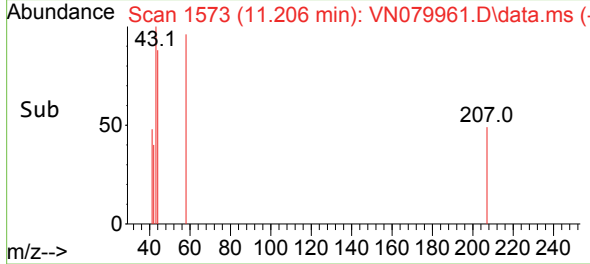
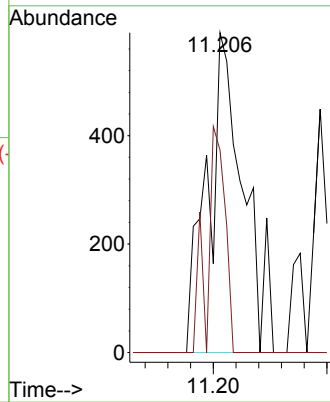
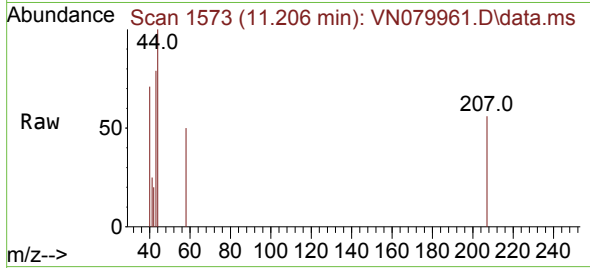




#59
2-Hexanone
Concen: 0.300 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

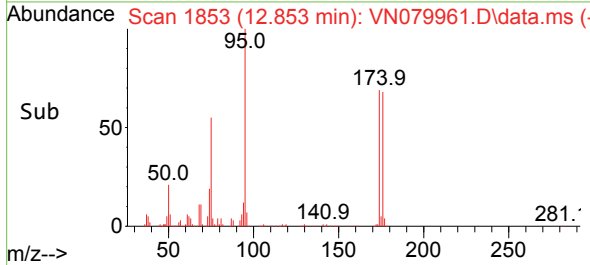
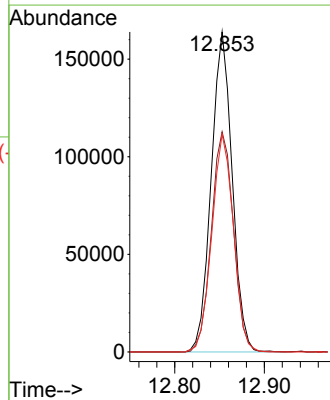
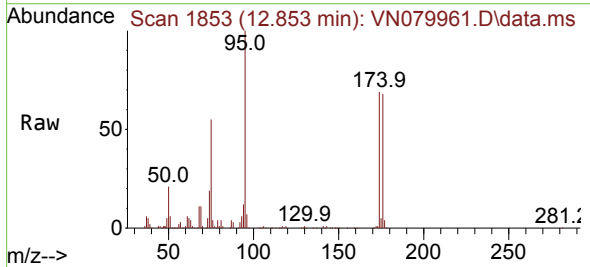
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBL01

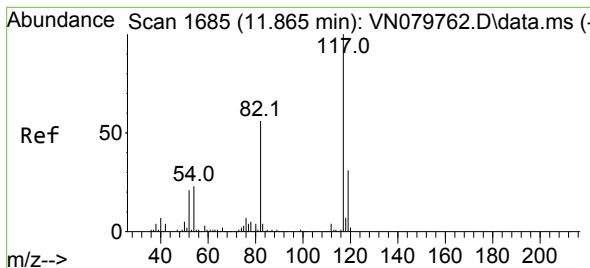
Tgt Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
58 35.1 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 50.004 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

Tgt Ion: 95 Resp: 265850
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.8
176 70.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079961.D

Acq: 07 Nov 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBL01

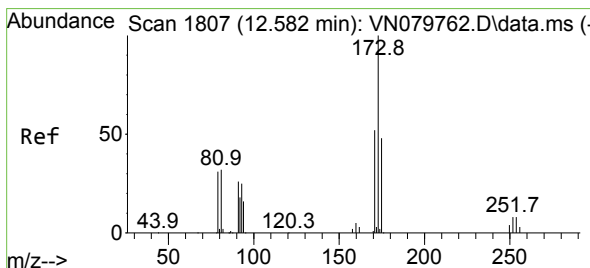
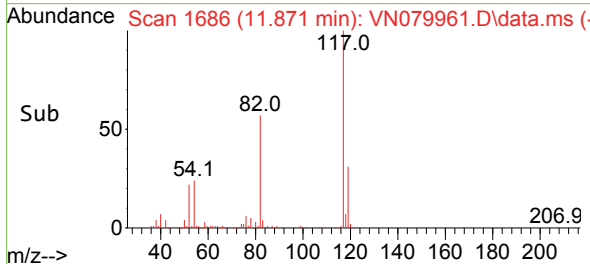
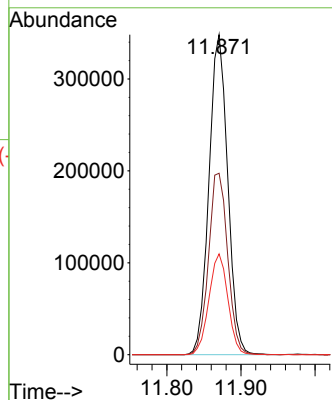
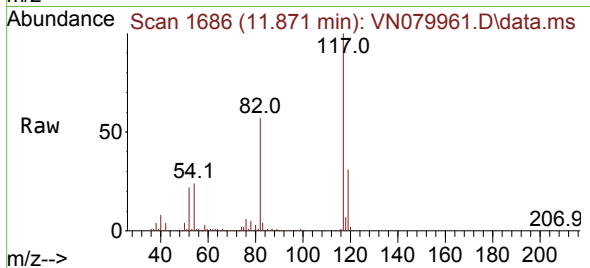
Tgt Ion:117 Resp: 610893

Ion Ratio Lower Upper

117 100

82 56.7 44.0 66.0

119 31.5 25.6 38.4



#71

Bromoform

Concen: 0.444 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN079961.D

Acq: 07 Nov 2023 13:31

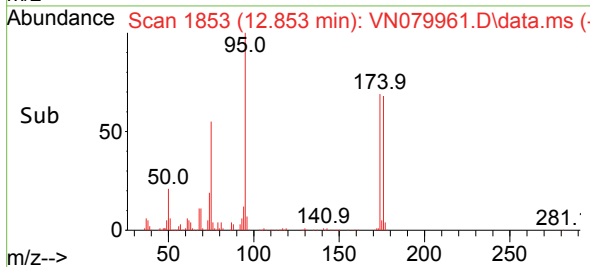
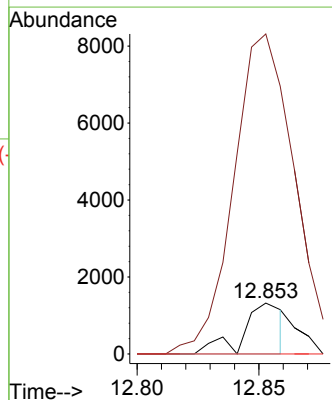
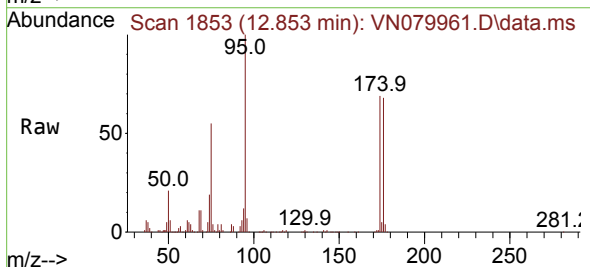
Tgt Ion:173 Resp: 1504

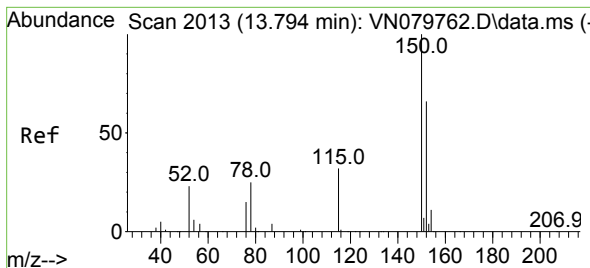
Ion Ratio Lower Upper

173 100

175 759.2 24.3 73.0#

254 0.0 0.0 0.0

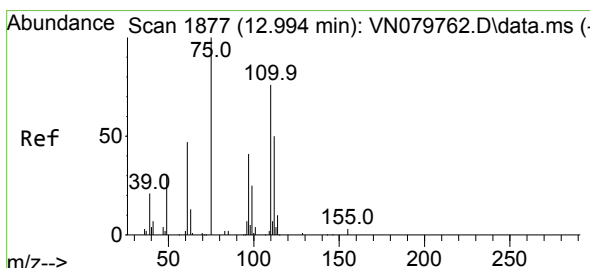
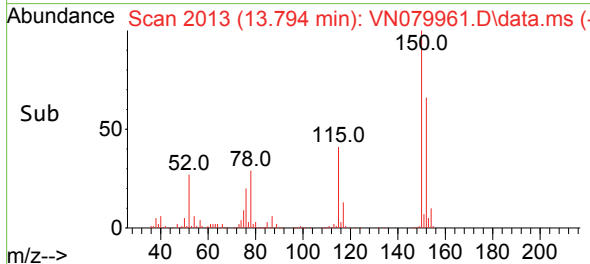
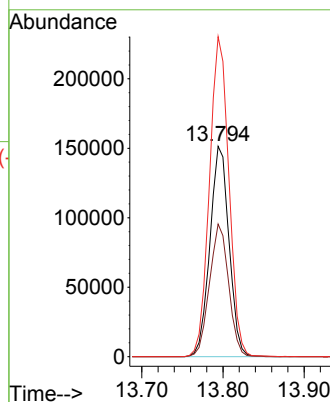
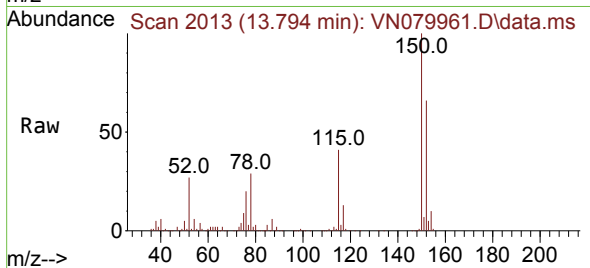




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN079961.D
 Acq: 07 Nov 2023 13:31

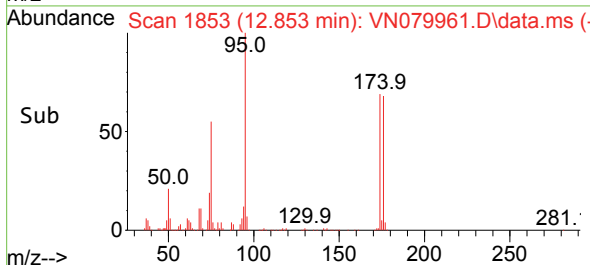
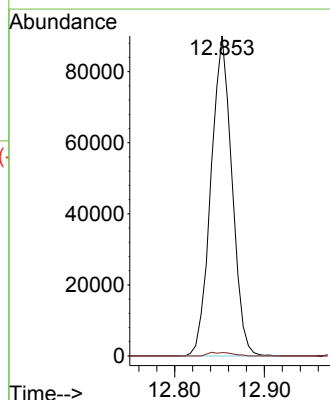
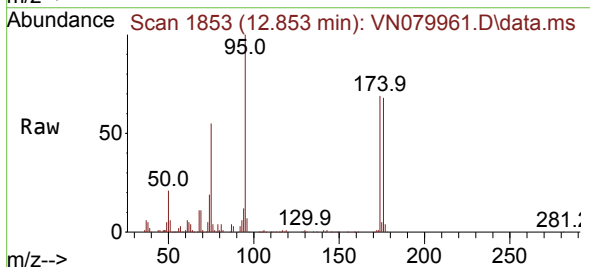
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBL01

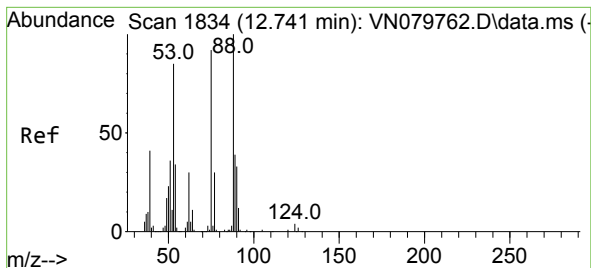
Tgt Ion:152 Resp: 247679
 Ion Ratio Lower Upper
 152 100
 115 63.0 32.3 96.8
 150 154.3 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.199 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN079961.D
 Acq: 07 Nov 2023 13:31

Tgt Ion: 75 Resp: 146524
 Ion Ratio Lower Upper
 75 100
 77 1.3 84.5 253.5#

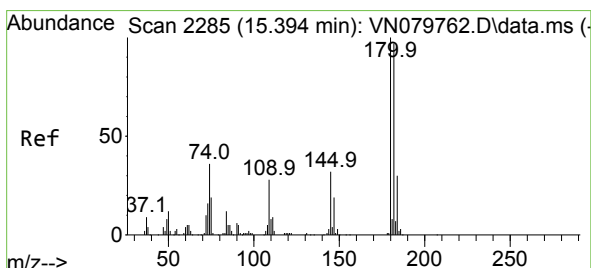
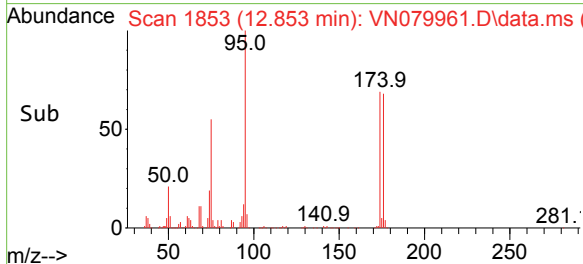
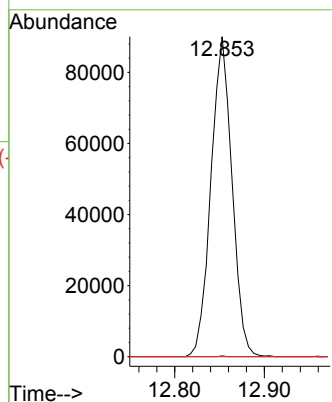
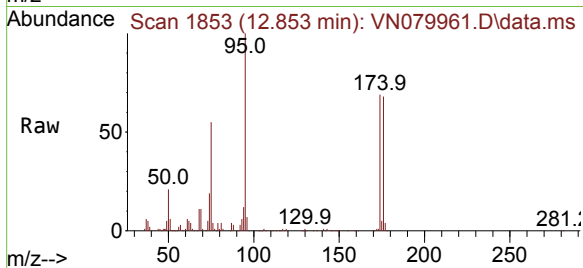




#81
trans-1,4-Dichloro-2-butene
Concen: 68.559 ug/l
RT: 12.853 min Scan# 1834
Delta R.T. 0.118 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

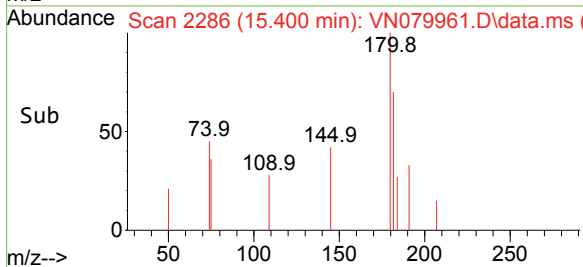
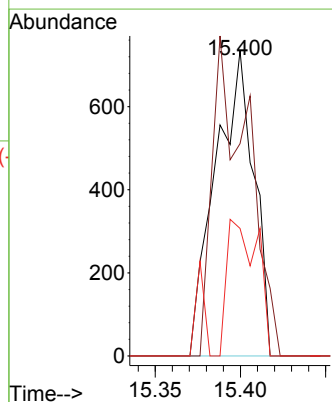
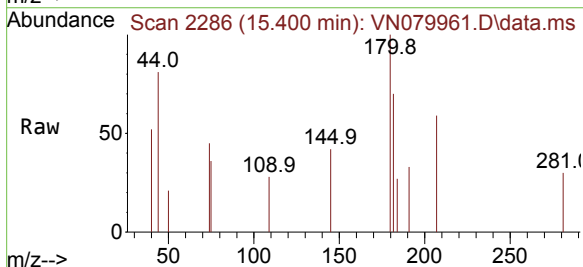
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBL01

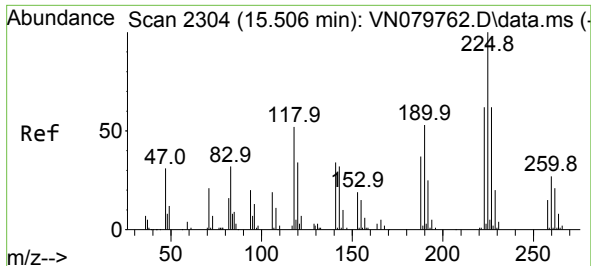
Tgt Ion: 75 Resp: 146524
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.298 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

Tgt Ion:180 Resp: 1145
Ion Ratio Lower Upper
180 100
182 97.9 46.1 138.2
145 35.7 16.6 49.8

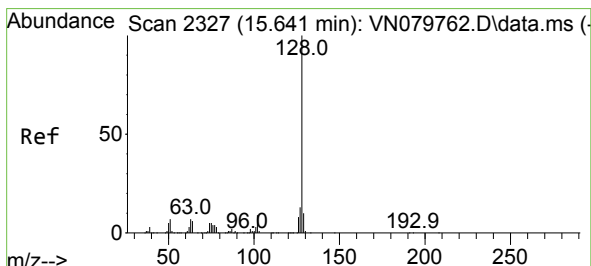
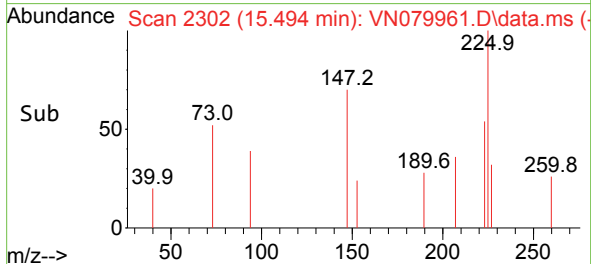
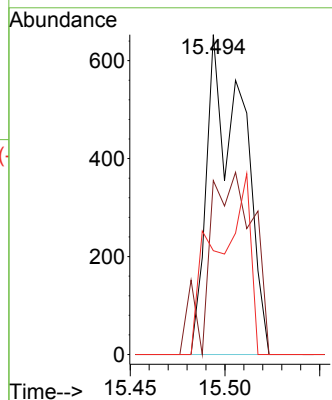
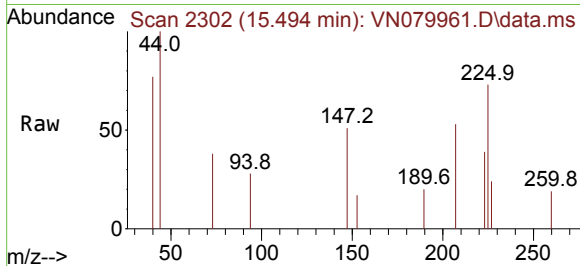




#94
Hexachlorobutadiene
Concen: 0.493 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

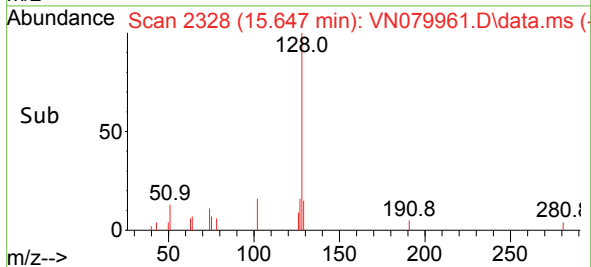
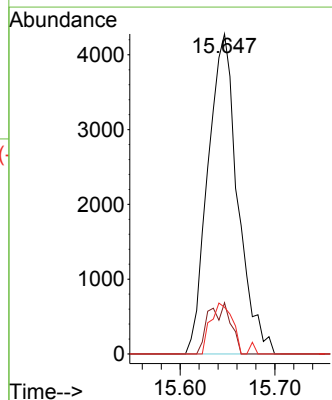
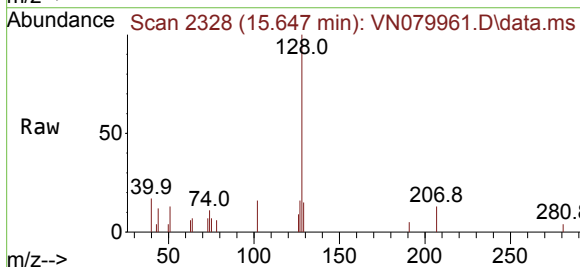
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBL01

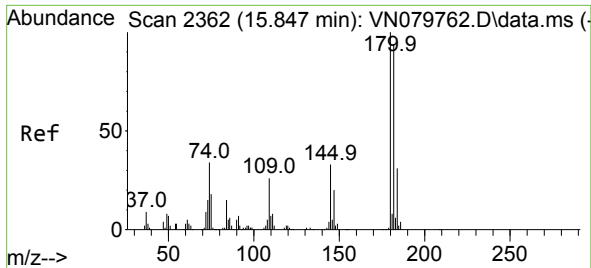
Tgt Ion:225 Resp: 858
Ion Ratio Lower Upper
225 100
223 71.2 31.3 93.8
227 52.9 31.9 95.9



#95
Naphthalene
Concen: 0.718 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN079961.D
Acq: 07 Nov 2023 13:31

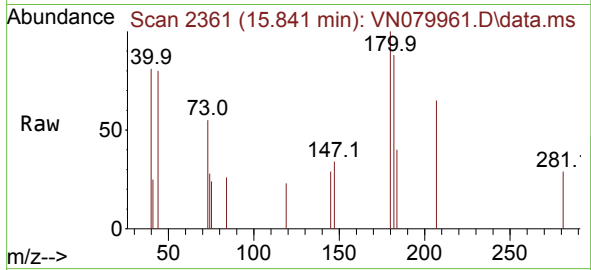
Tgt Ion:128 Resp: 9360
Ion Ratio Lower Upper
128 100
127 12.0 10.0 15.0
129 11.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.312 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN079961.D
 Acq: 07 Nov 2023 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBL01



Tgt Ion:	180	Resp:	1176
Ion	Ratio	Lower	Upper
180	100		
182	102.6	46.2	138.6
145	30.2	17.5	52.6

