

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079874.D
 Acq On : 04 Nov 2023 03:57
 Operator : JC\MD
 Sample : 05223-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 04:48:44 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)

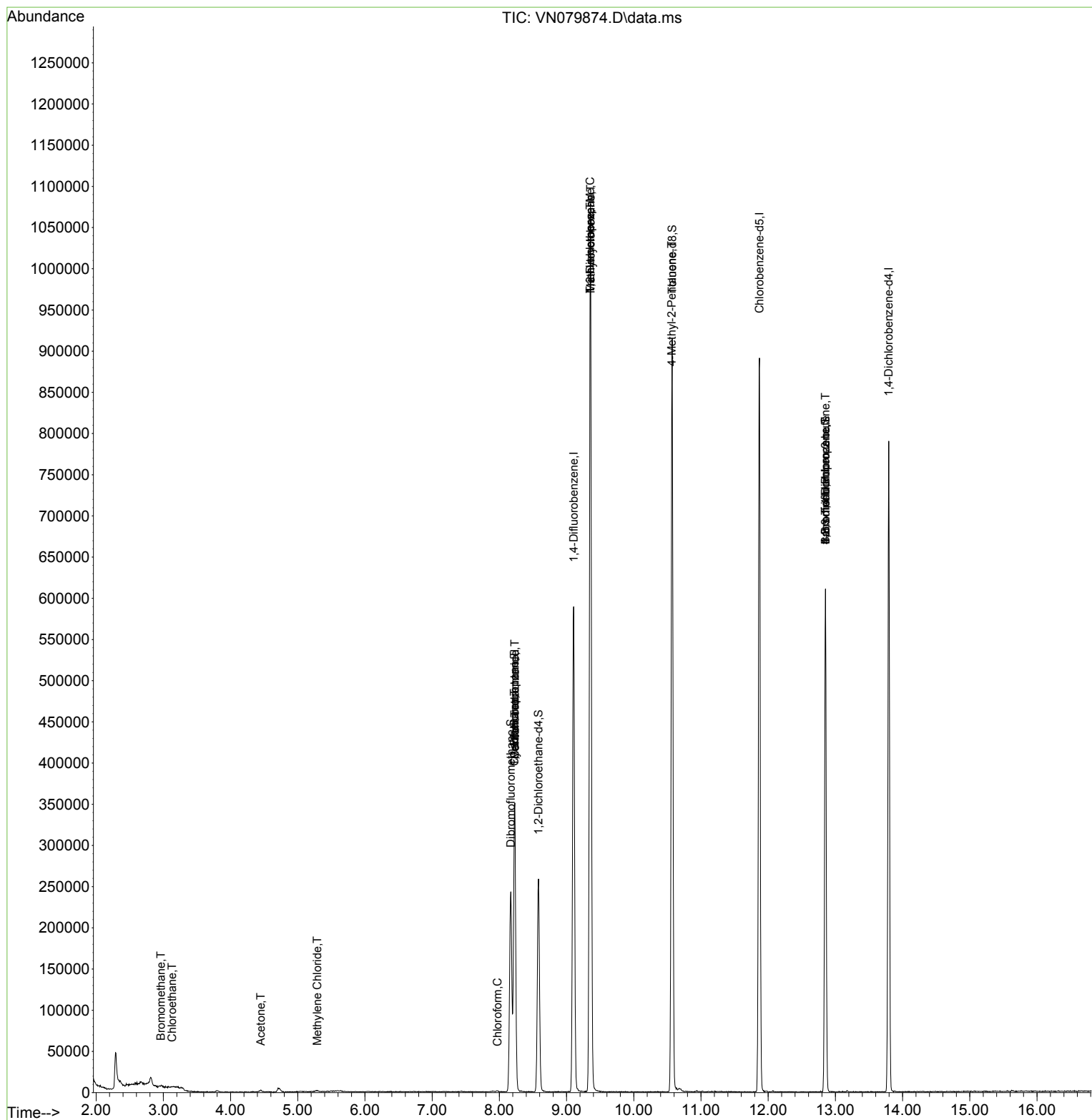
Internal Standards						
1) Pentafluorobenzene	8.230	168	242852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	490006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	502428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	197823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	208661	56.396	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 112.800%		
35) Dibromofluoromethane	8.171	113	175576	50.627	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.260%		
50) Toluene-d8	10.571	98	609846	47.767	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.540%		
62) 4-Bromofluorobenzene	12.853	95	201865	47.674	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 95.340%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2320	Below Cal	#	84
5) Bromomethane	2.965	94	950	0.408	ug/l #	57
6) Chloroethane	3.130	64	1080	0.357	ug/l #	43
16) Acetone	4.447	43	3312	2.548	ug/l	97
20) Methylene Chloride	5.289	84	1427	0.435	ug/l #	77
30) Chloroform	7.971	83	1432	0.234	ug/l #	59
31) Cyclohexane	8.224	56	6746	1.380	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	22776	4.600	ug/l #	48
38) Carbon Tetrachloride	8.230	117	26531	5.316	ug/l #	15
39) Methylcyclohexane	9.359	83	5648	1.212	ug/l #	1
44) Trichloroethene	9.353	130	374466	101.748	ug/l	99
45) 1,2-Dichloropropane	9.353	63	1482	0.391	ug/l #	1
51) 4-Methyl-2-Pentanone	10.565	43	2900	0.647	ug/l #	1
71) Bromoform	12.853	173	1303	0.467	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	112779	24.283	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112779	66.069	ug/l #	15

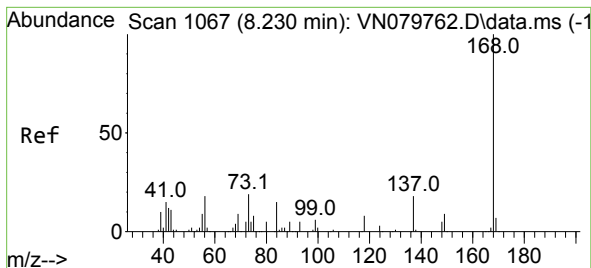
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 02 05:49:08 2023
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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: VN079874.D

Acq: 04 Nov 2023 03:57

Instrument :

MSVOA_N

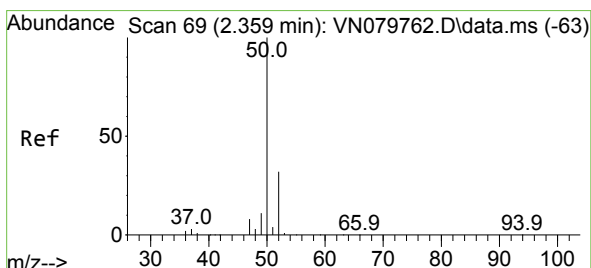
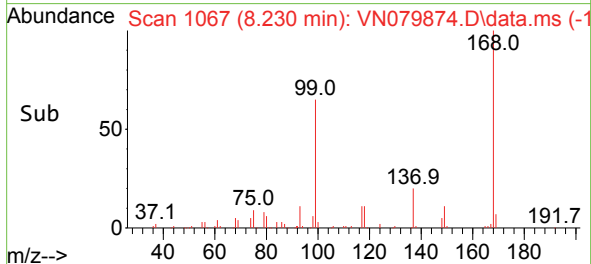
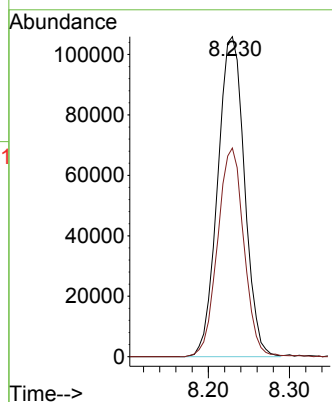
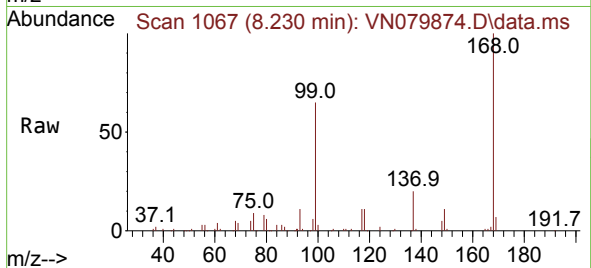
ClientSampleId :

Tgt Ion:168 Resp: 242852

Ion Ratio Lower Upper

168 100

99 65.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079874.D

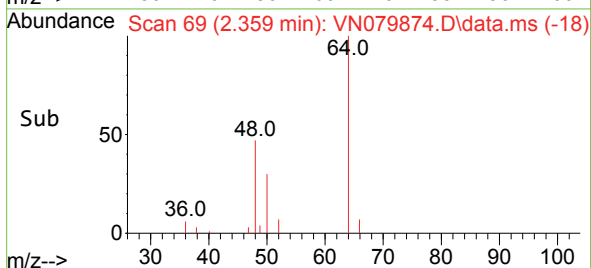
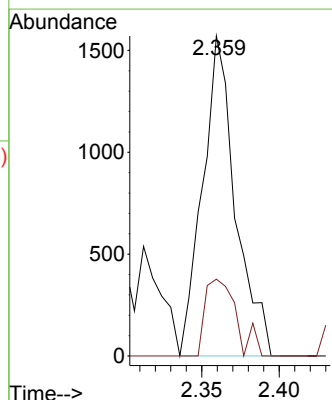
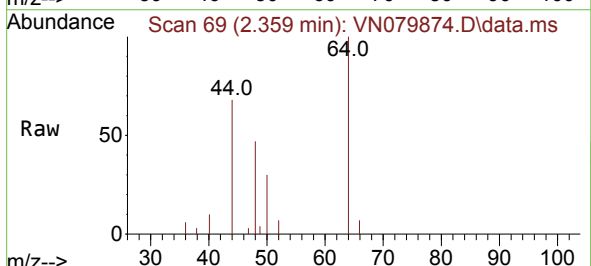
Acq: 04 Nov 2023 03:57

Tgt Ion: 50 Resp: 2320

Ion Ratio Lower Upper

50 100

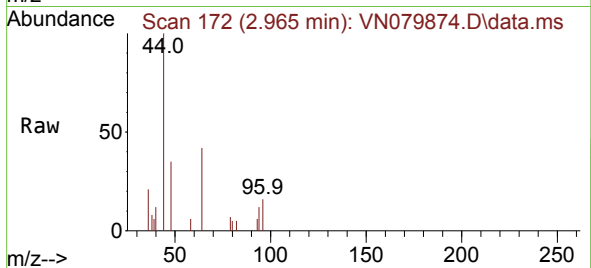
52 24.0 26.5 39.7#



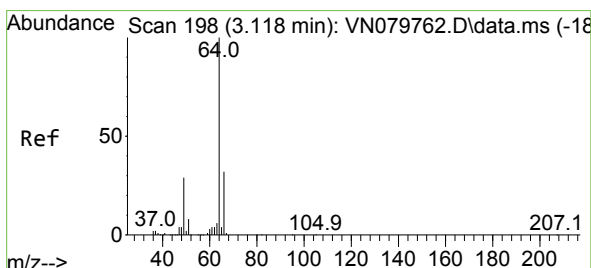
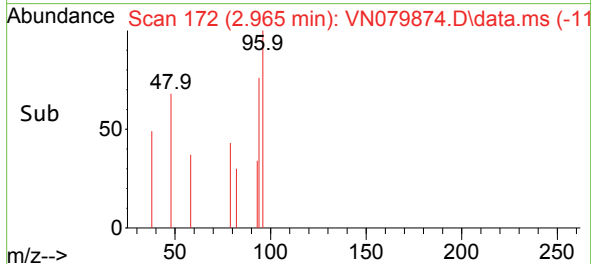
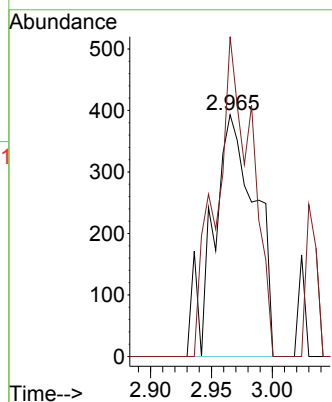


#5
Bromomethane
Concen: 0.408 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079874.D
Acq: 04 Nov 2023 03:57

Instrument :
MSVOA_N
ClientSampleId :

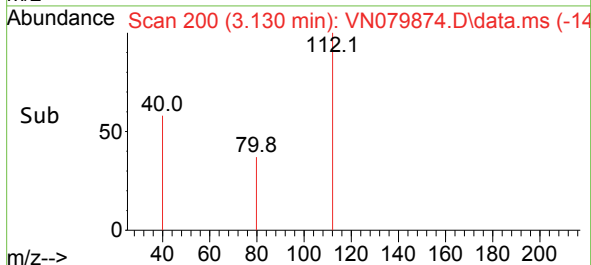
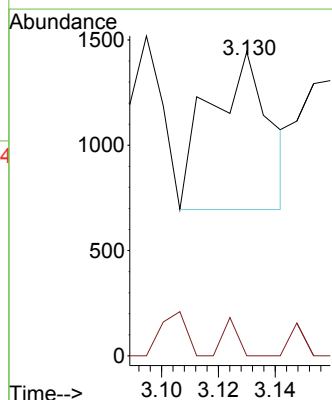
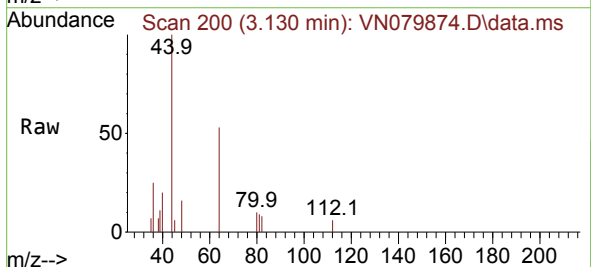


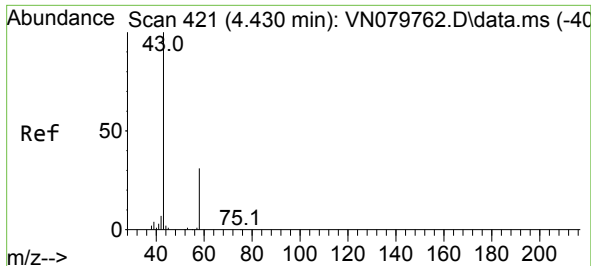
Tgt Ion: 94 Resp: 950
Ion Ratio Lower Upper
94 100
96 132.3 73.1 109.7#



#6
Chloroethane
Concen: 0.357 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN079874.D
Acq: 04 Nov 2023 03:57

Tgt Ion: 64 Resp: 1080
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

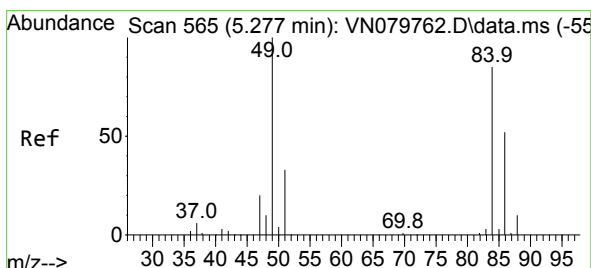
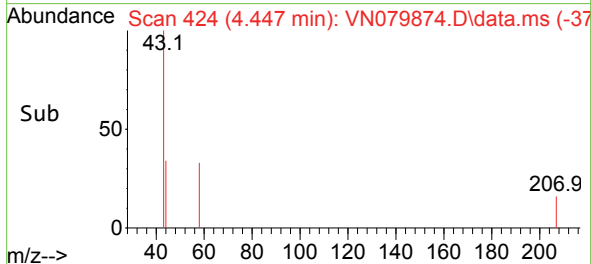
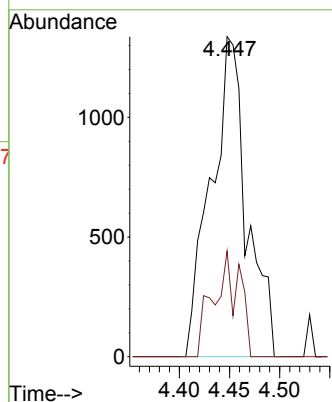
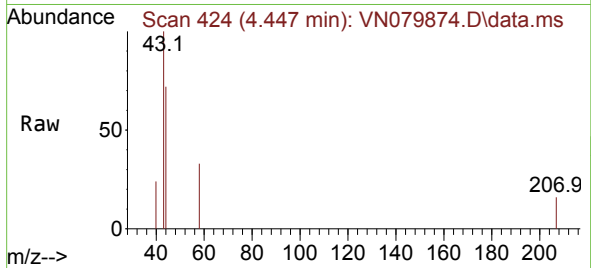




#16
Acetone
Concen: 2.548 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN079874.D
Acq: 04 Nov 2023 03:57

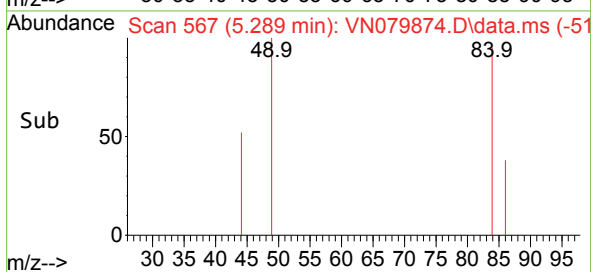
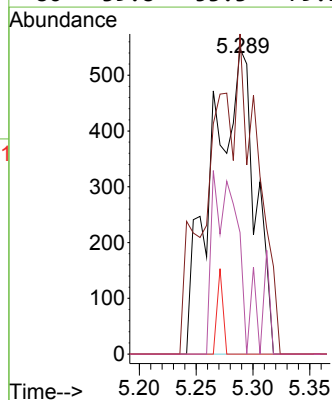
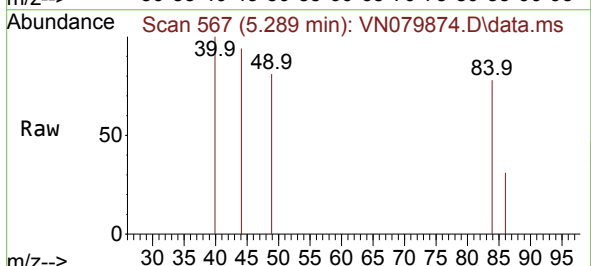
Instrument :
MSVOA_N
ClientSampleId :

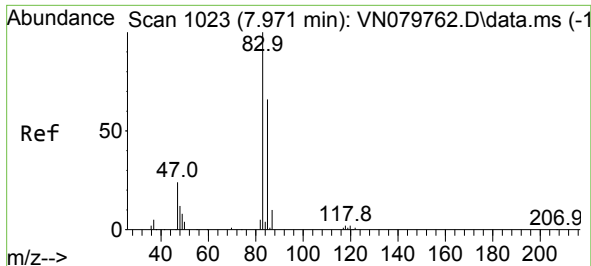
Tgt Ion: 43 Resp: 3312
Ion Ratio Lower Upper
43 100
58 33.0 28.0 42.0



#20
Methylene Chloride
Concen: 0.435 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN079874.D
Acq: 04 Nov 2023 03:57

Tgt Ion: 84 Resp: 1427
Ion Ratio Lower Upper
84 100
49 104.7 79.7 119.5
51 0.0 25.2 37.8#
86 39.8 53.3 79.9#

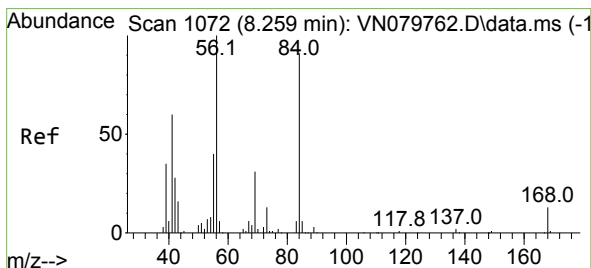
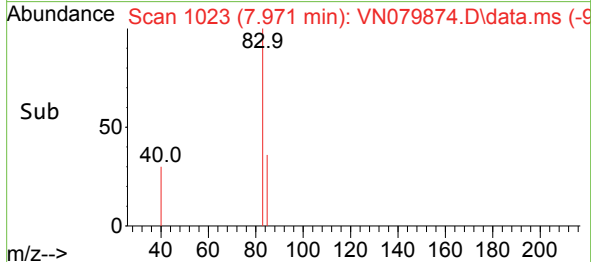
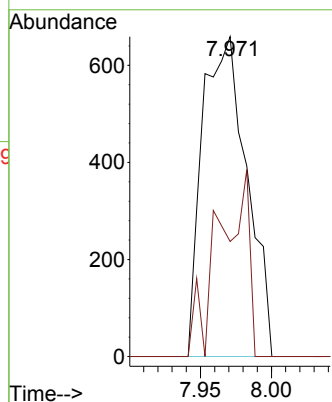
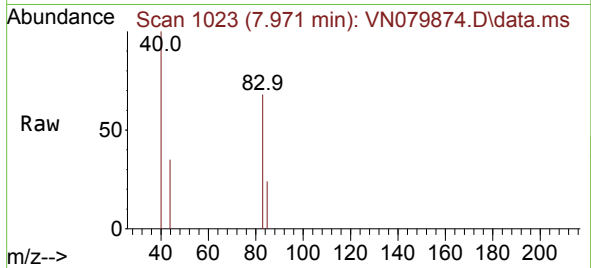




#30
Chloroform
Concen: 0.234 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079874.D
Acq: 04 Nov 2023 03:57

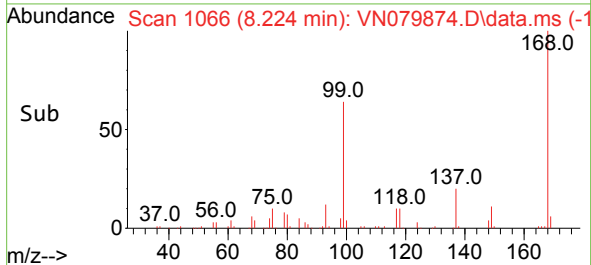
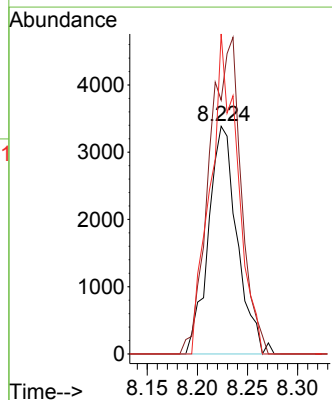
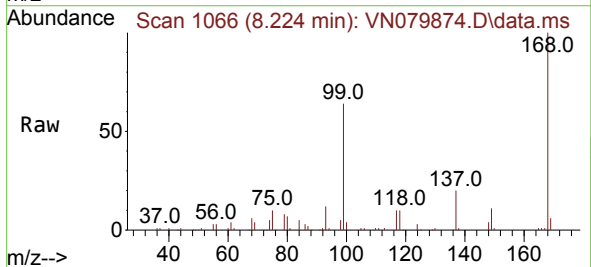
Instrument :
MSVOA_N
ClientSampleId :

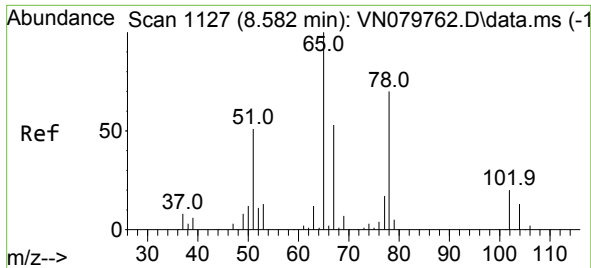
Tgt Ion: 83 Resp: 1432
Ion Ratio Lower Upper
83 100
85 36.0 55.4 83.0#



#31
Cyclohexane
Concen: 1.380 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079874.D
Acq: 04 Nov 2023 03:57

Tgt Ion: 56 Resp: 6746
Ion Ratio Lower Upper
56 100
69 111.5 26.8 40.2#
84 140.5 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 56.396 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079874.D

Acq: 04 Nov 2023 03:57

Instrument :

MSVOA_N

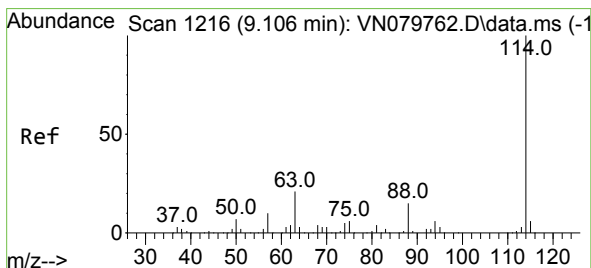
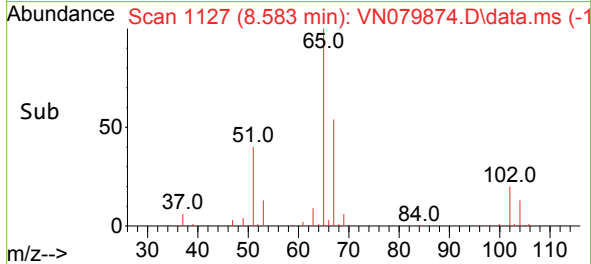
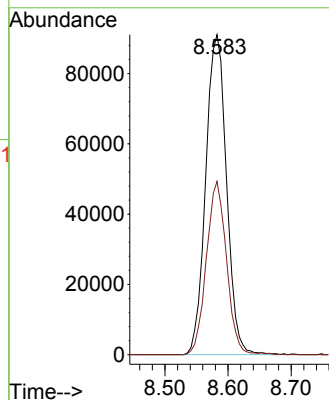
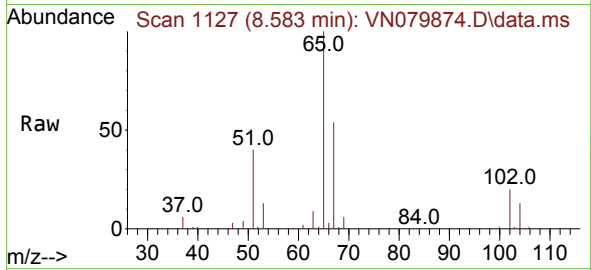
ClientSampleId :

Tgt Ion: 65 Resp: 208661

Ion Ratio Lower Upper

65 100

67 52.2 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: VN079874.D

Acq: 04 Nov 2023 03:57

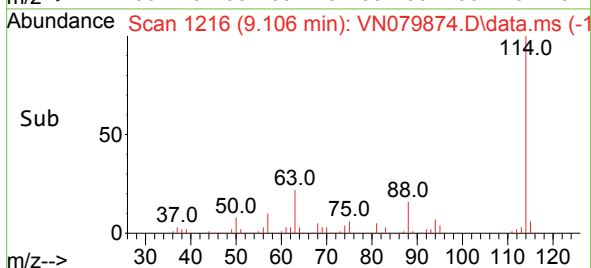
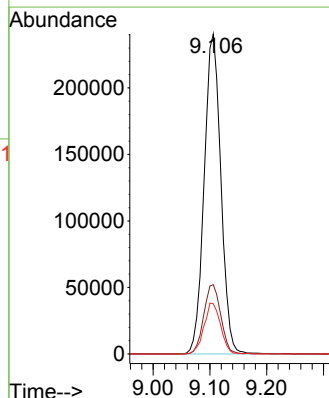
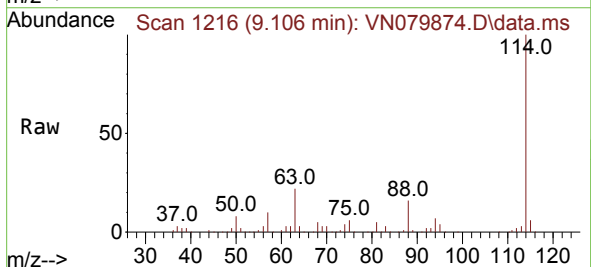
Tgt Ion: 114 Resp: 490006

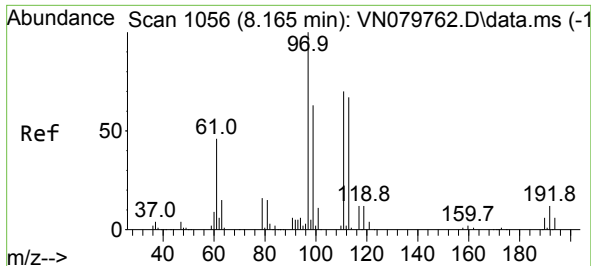
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.627 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN079874.D

Acq: 04 Nov 2023 03:57

Instrument :

MSVOA_N

ClientSampleId :

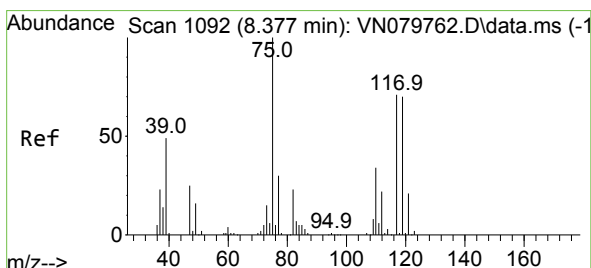
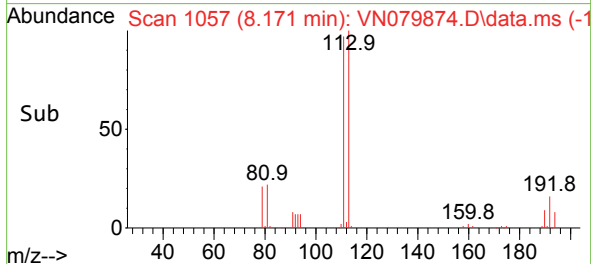
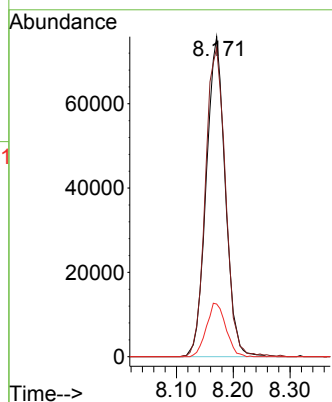
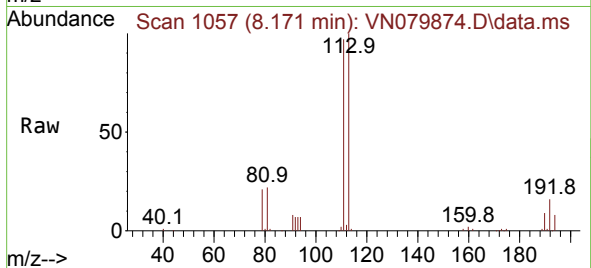
Tgt Ion:113 Resp: 175576

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 17.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.600 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079874.D

Acq: 04 Nov 2023 03:57

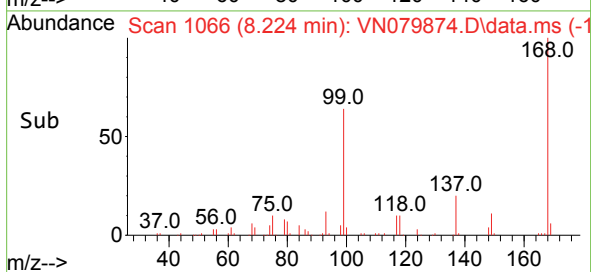
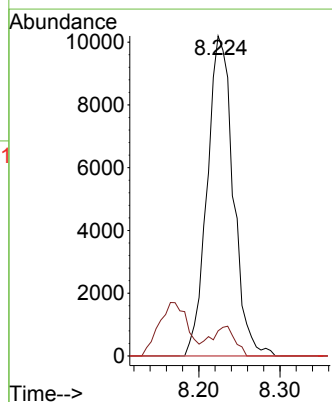
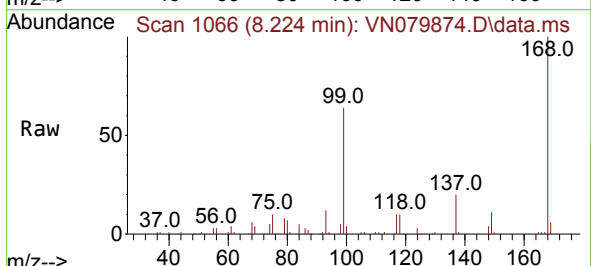
Tgt Ion: 75 Resp: 22776

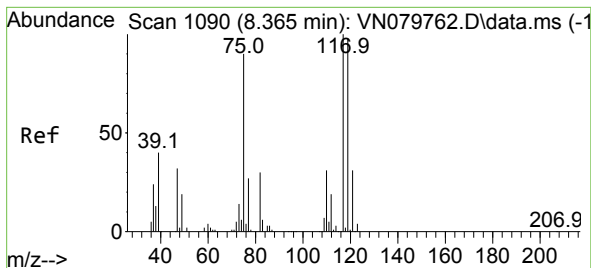
Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.316 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

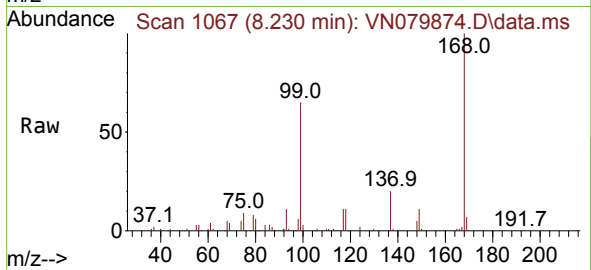
Lab File: VN079874.D

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Instrument :

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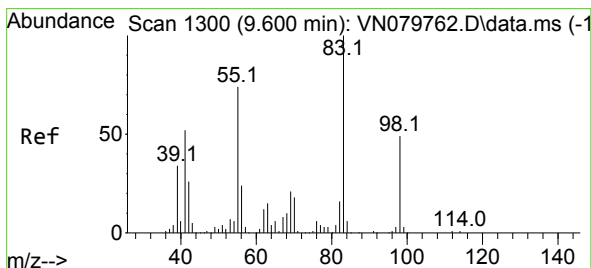
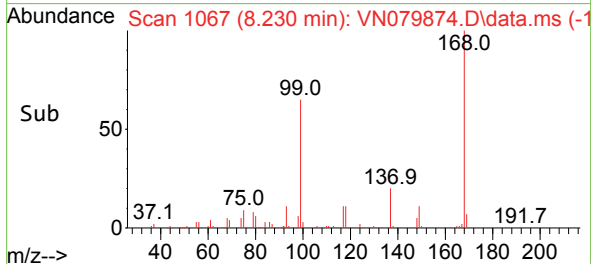
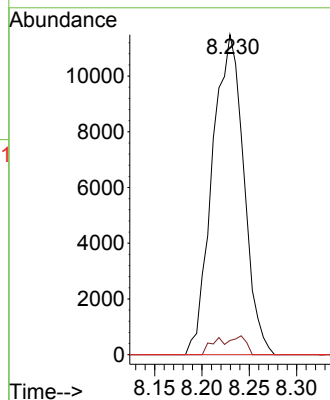
Tgt Ion:117 Resp: 26531

Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 1.212 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.247 min

Lab File: VN079874.D

Acq: 04 Nov 2023 03:57

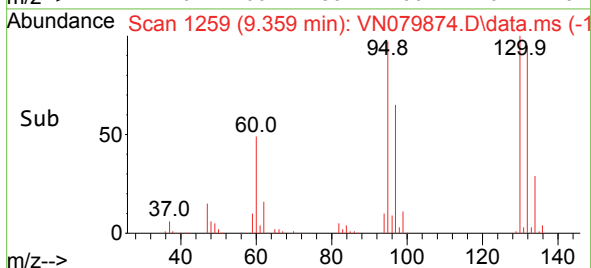
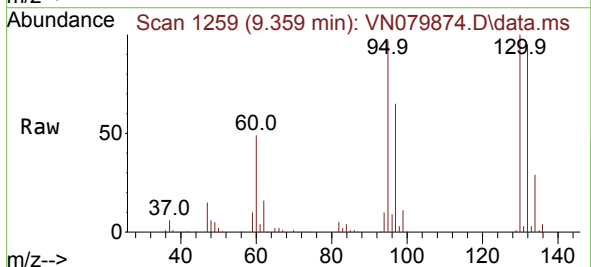
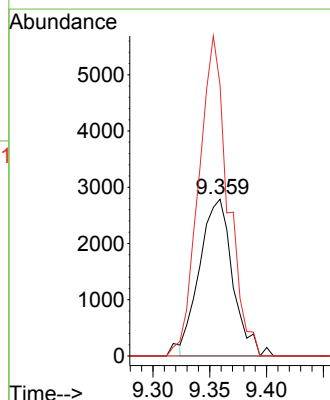
Tgt Ion: 83 Resp: 5648

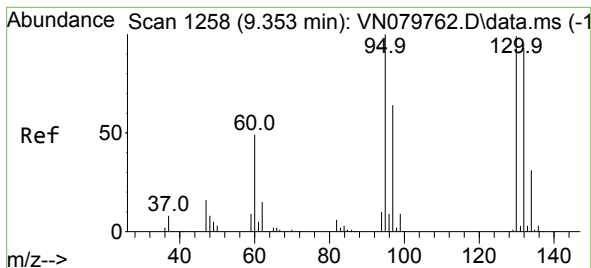
Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 172.8 40.6 61.0#





#44

Trichloroethene

Concen: 101.748 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079874.D

Acq: 04 Nov 2023 03:57

Instrument :

MSVOA_N

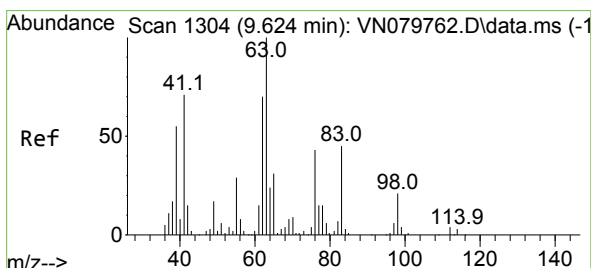
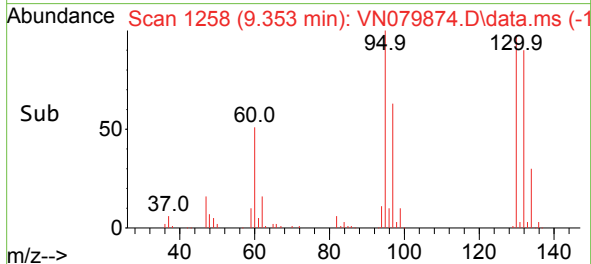
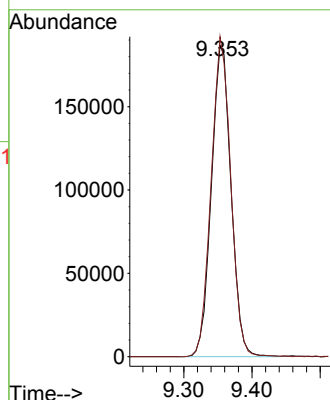
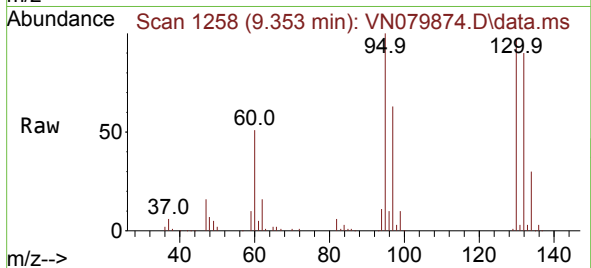
ClientSampleId :

Tgt Ion:130 Resp: 374466

Ion Ratio Lower Upper

130 100

95 102.8 0.0 204.6



#45

1,2-Dichloropropane

Concen: 0.391 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.270 min

Lab File: VN079874.D

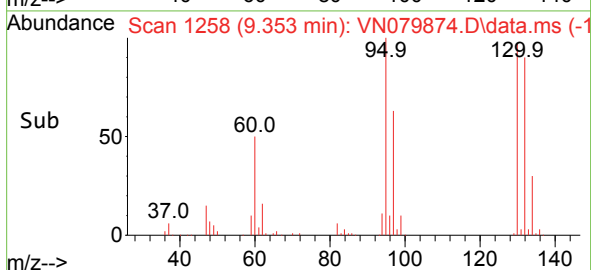
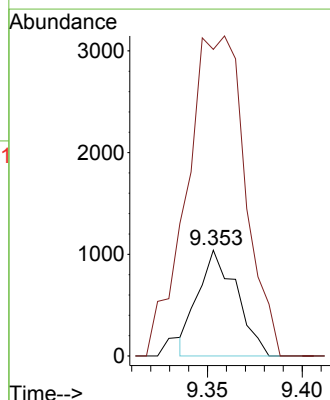
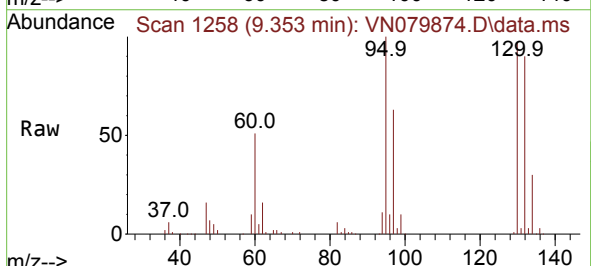
Acq: 04 Nov 2023 03:57

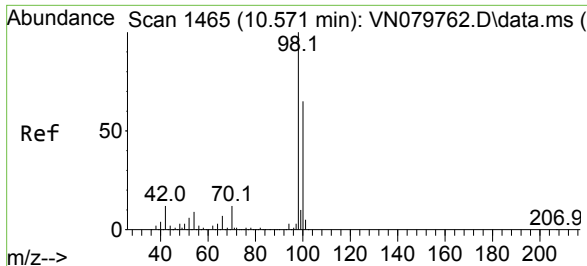
Tgt Ion: 63 Resp: 1482

Ion Ratio Lower Upper

63 100

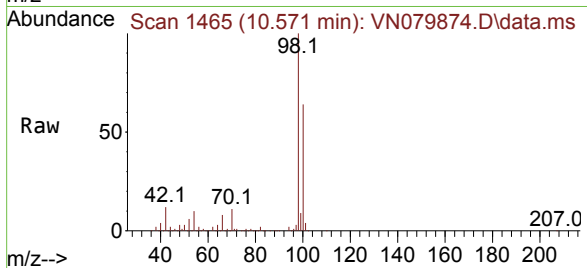
65 289.6 23.9 35.9#



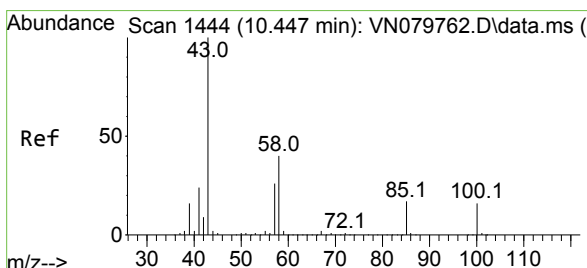
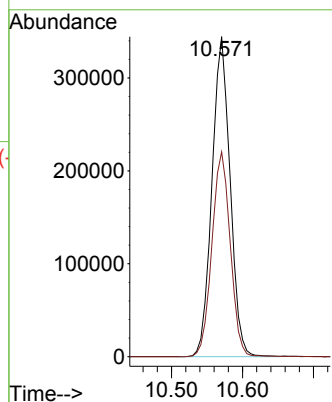
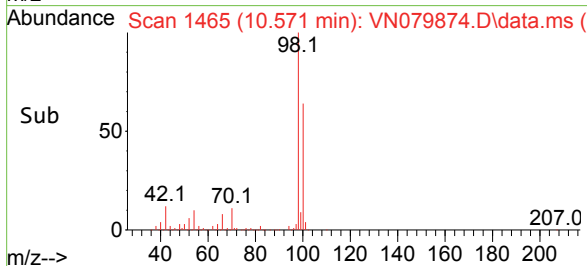


#50
Toluene-d8
Concen: 47.767 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079874.D
Acq: 04 Nov 2023 03:57

Instrument :
MSVOA_N
ClientSampleId :

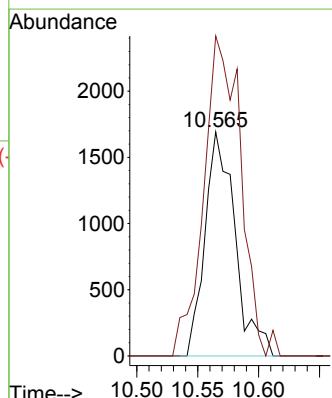
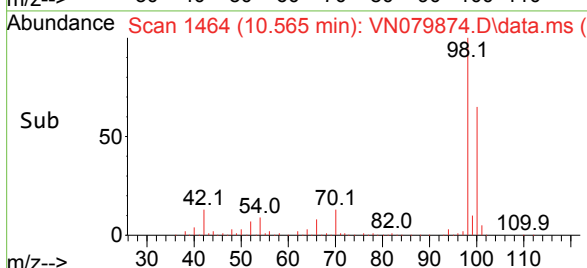
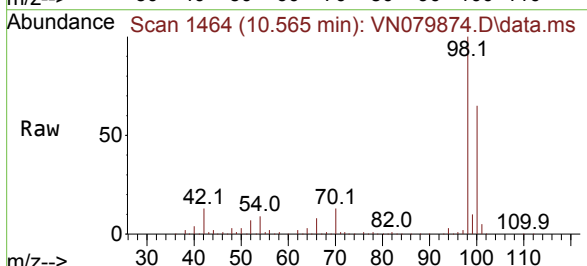


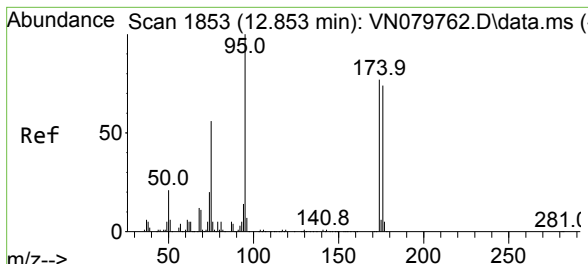
Tgt Ion: 98 Resp: 609846
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.647 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN079874.D
Acq: 04 Nov 2023 03:57

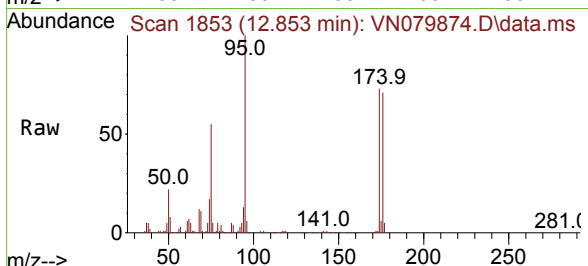
Tgt Ion: 43 Resp: 2900
Ion Ratio Lower Upper
43 100
58 174.2 36.6 54.8#



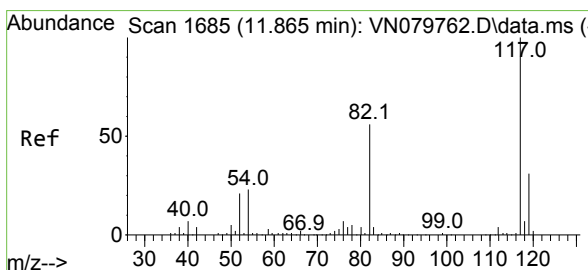
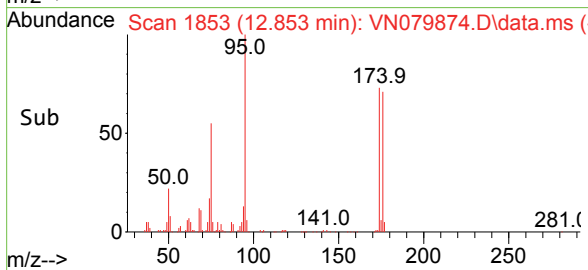
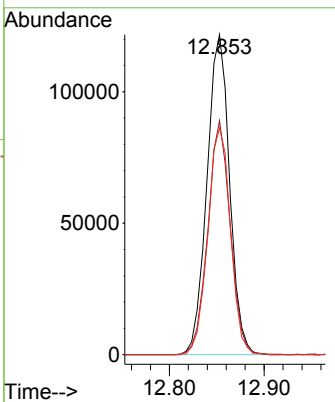


#62
 4-Bromofluorobenzene
 Concen: 47.674 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079874.D
 Acq: 04 Nov 2023 03:57

Instrument :
 MSVOA_N
 ClientSampleId :

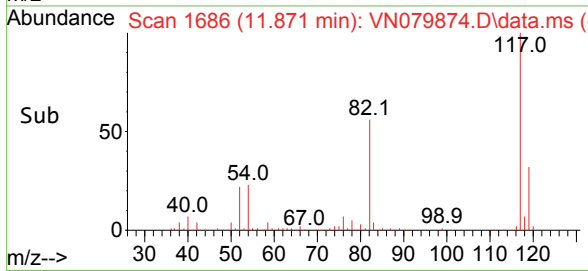
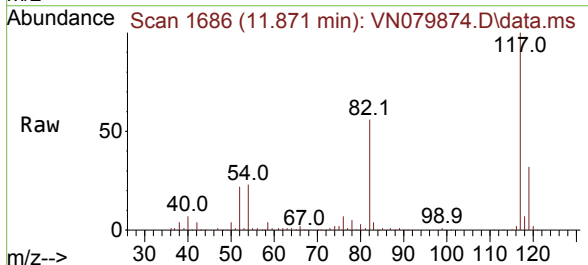
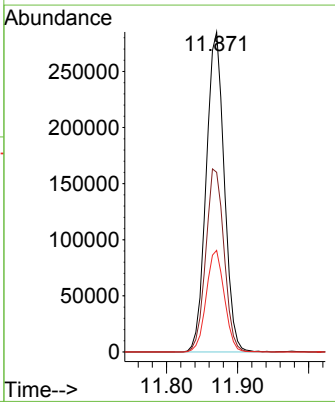


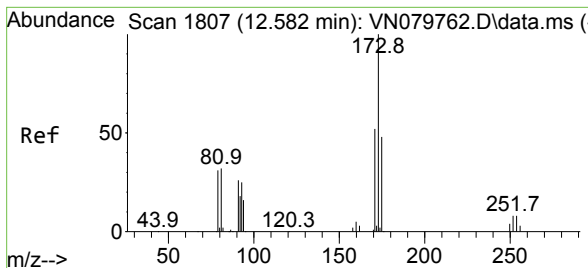
Tgt Ion:	95	Resp:	201865
Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	143.8
176	70.7	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079874.D
 Acq: 04 Nov 2023 03:57

Tgt Ion:	117	Resp:	502428
Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.0	66.0
119	31.8	25.6	38.4





#71

Bromoform

Concen: 0.467 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079874.D

Acq: 04 Nov 2023 03:57

Instrument :

MSVOA_N

ClientSampleId :

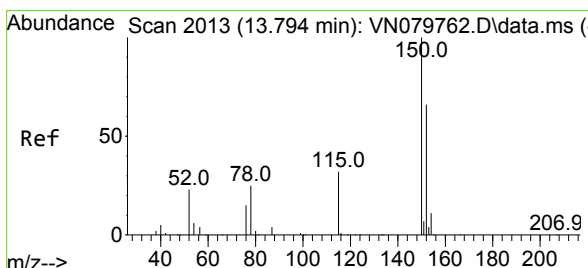
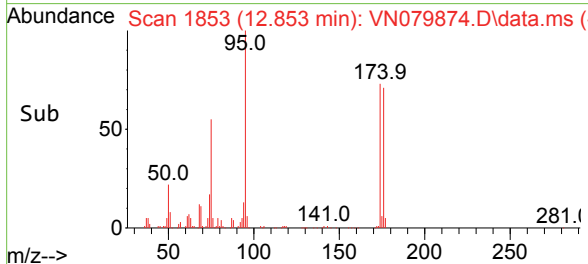
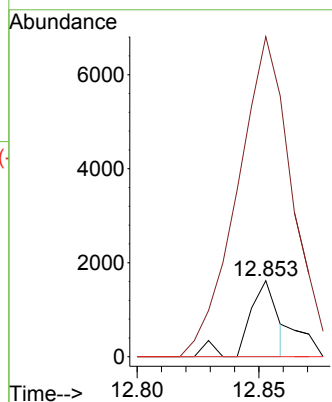
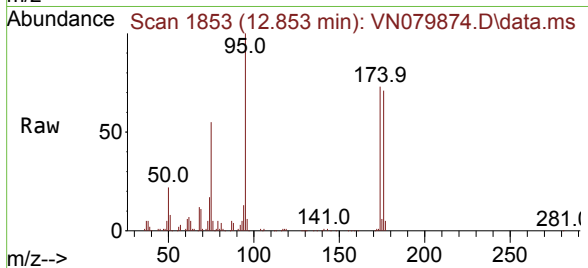
Tgt Ion:173 Resp: 1303

Ion Ratio Lower Upper

173 100

175 665.1 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# 2013

Delta R.T. 0.000 min

Lab File: VN079874.D

Acq: 04 Nov 2023 03:57

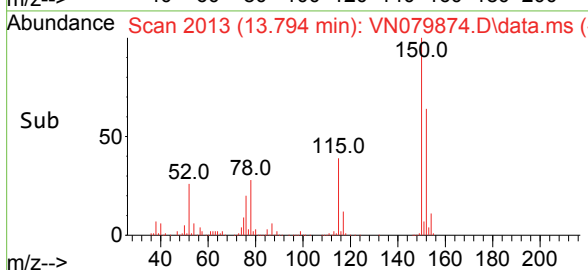
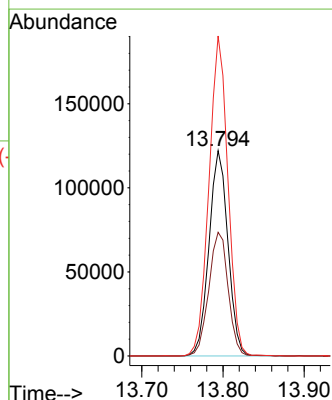
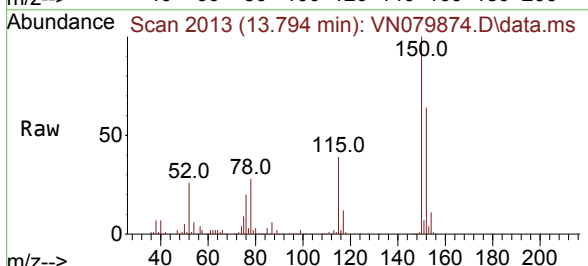
Tgt Ion:152 Resp: 197823

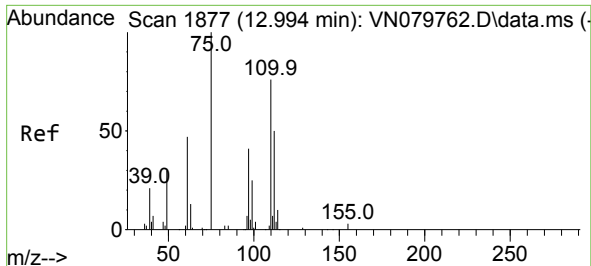
Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

150 155.9 0.0 355.8

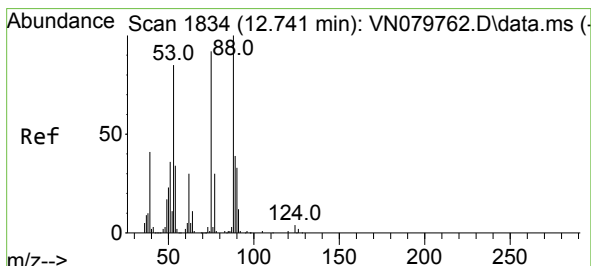
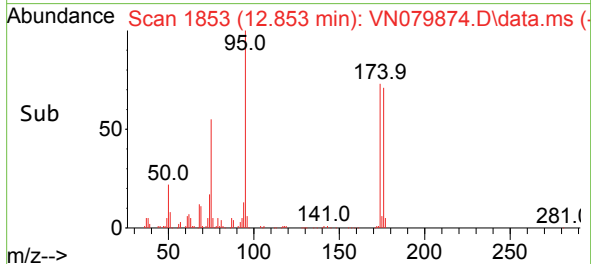
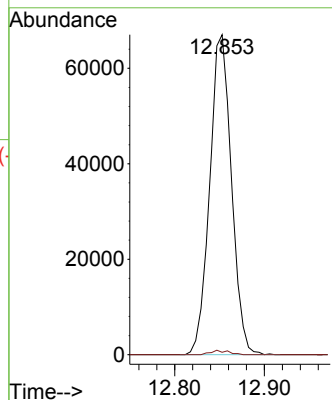
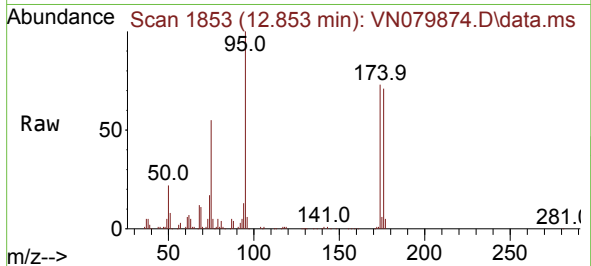




#76
1,2,3-Trichloropropane
Concen: 24.283 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079874.D
Acq: 04 Nov 2023 03:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 112779
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.069 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079874.D
Acq: 04 Nov 2023 03:57

Tgt Ion: 75 Resp: 112779
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

