

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
 Data File : VN079135.D
 Acq On : 02 Sep 2023 11:37
 Operator : JC\MD
 Sample : VN0902WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBL01

Quant Time: Sep 04 01:00:01 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)

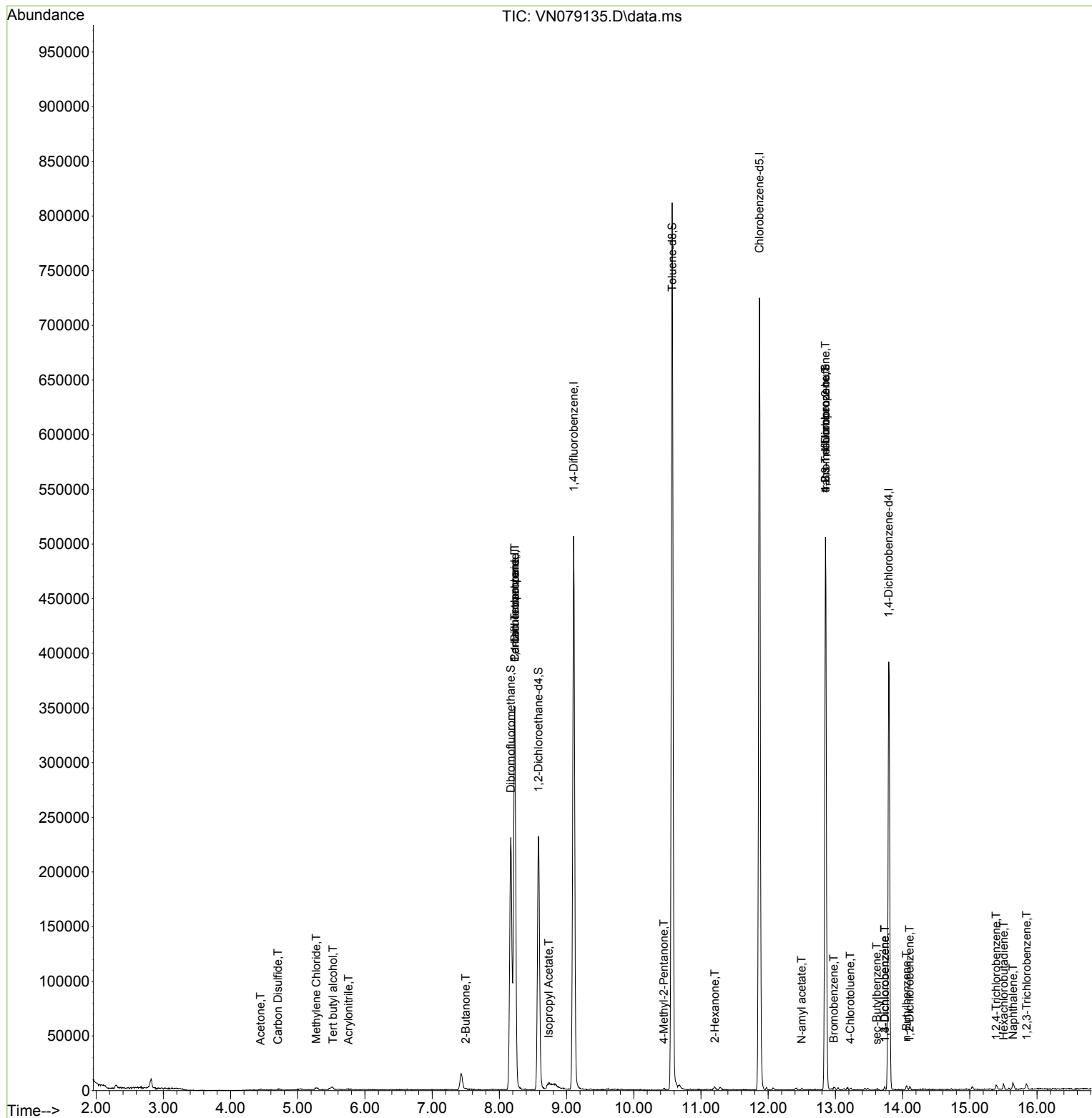
Internal Standards						
1) Pentafluorobenzene	8.230	168	264717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	433489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	435165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	189948	46.113	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.220%		
35) Dibromofluoromethane	8.171	113	170539	58.443	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	116.880%		
50) Toluene-d8	10.571	98	568679	52.486	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.980%		
62) 4-Bromofluorobenzene	12.853	95	176982	49.974	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.940%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	2096	3.032	ug/l #	72
15) Acrylonitrile	5.753	53	1042	0.556	ug/l #	18
16) Acetone	4.448	43	1555	0.915	ug/l #	40
17) Carbon Disulfide	4.706	76	2233	0.281	ug/l #	75
20) Methylene Chloride	5.277	84	1328	0.367	ug/l #	68
25) 2-Butanone	7.500	43	973	0.357	ug/l	93
31) Cyclohexane	8.230	56	5458	Below Cal	#	2
36) 1,1-Dichloropropene	8.230	75	21317	4.856	ug/l #	42
38) Carbon Tetrachloride	8.230	117	26572	6.042	ug/l #	17
43) Isopropyl Acetate	8.736	43	6371	0.734	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	1367	0.266	ug/l #	68
59) 2-Hexanone	11.206	43	2131	0.571	ug/l	99
74) N-amyl acetate	12.500	43	1044	0.227	ug/l #	67
76) 1,2,3-Trichloropropane	12.853	75	92948	35.307	ug/l #	1
77) Bromobenzene	12.976	156	603	0.275	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.853	75	92948	90.194	ug/l #	15
82) 4-Chlorotoluene	13.223	91	1443	0.225	ug/l	95
85) sec-Butylbenzene	13.618	105	1879	0.225	ug/l	81
87) 1,3-Dichlorobenzene	13.735	146	834	0.221	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	834	0.221	ug/l	95
89) n-Butylbenzene	14.059	91	2602	0.474	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	1553	0.414	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.729	75	261	Below Cal	#	46
93) 1,2,4-Trichlorobenzene	15.394	180	1749	1.317	ug/l	96
94) Hexachlorobutadiene	15.506	225	1218	1.345	ug/l	82
95) Naphthalene	15.647	128	6227	3.748	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.847	180	2369	1.628	ug/l	88

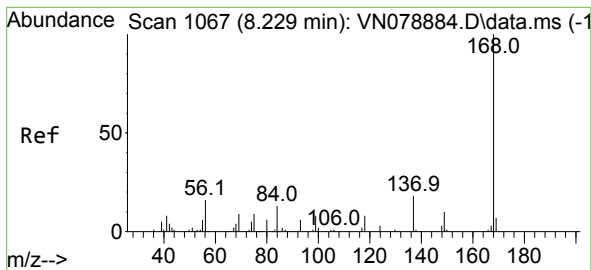
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
Data File : VN079135.D
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Quant Time: Sep 04 01:00:01 2023
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QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

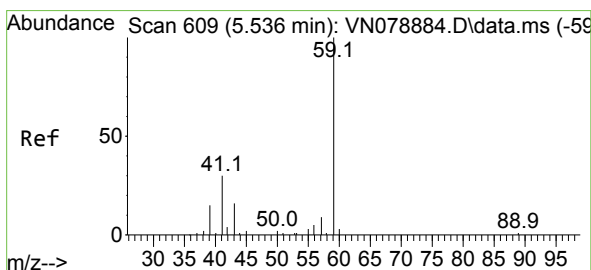
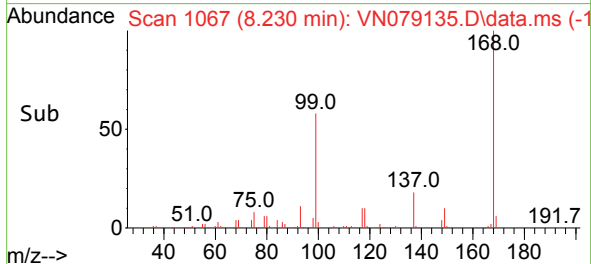
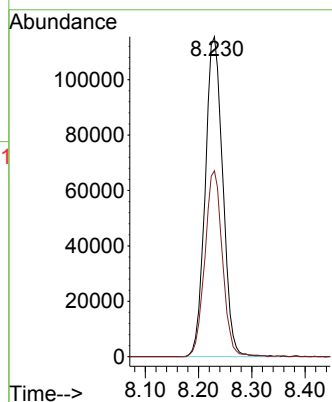
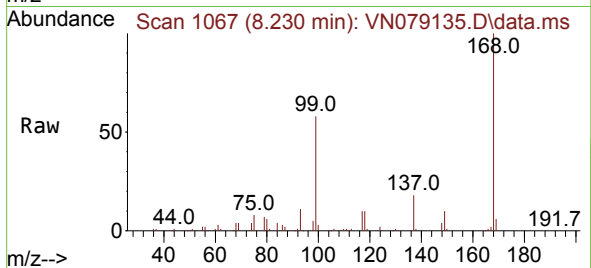




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

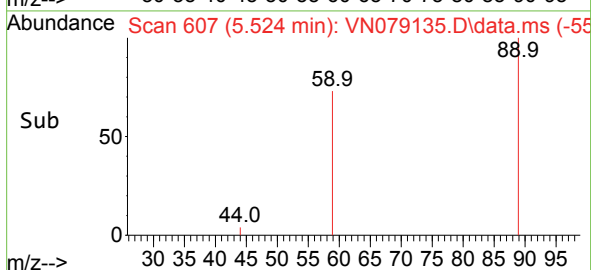
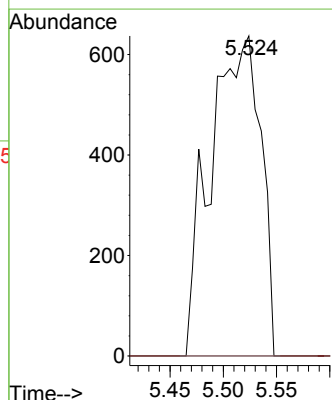
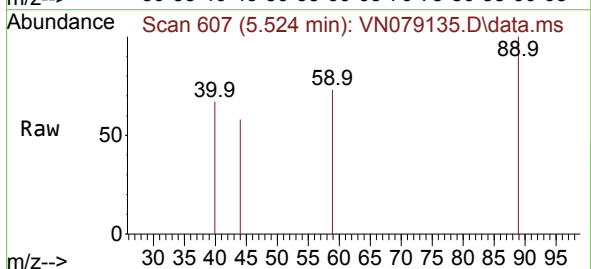
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

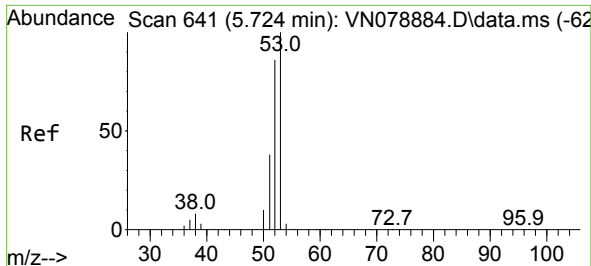
Tgt Ion:168 Resp: 264717
Ion Ratio Lower Upper
168 100
99 58.1 53.0 79.6



#11
Tert butyl alcohol
Concen: 3.032 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion: 59 Resp: 2096
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

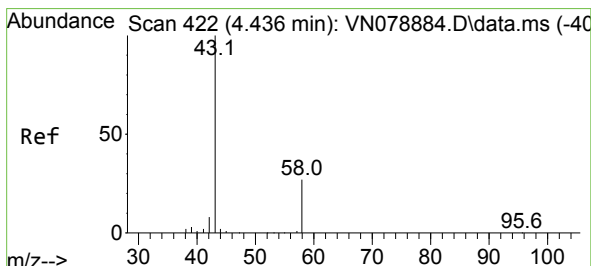
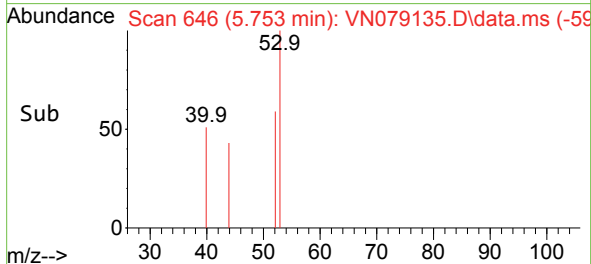
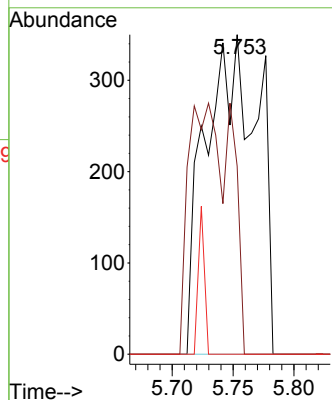
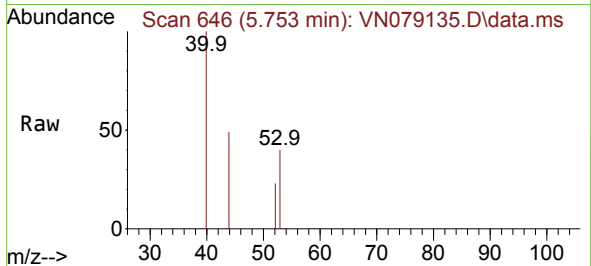




#15
Acrylonitrile
Concen: 0.556 ug/l
RT: 5.753 min Scan# 641
Delta R.T. 0.023 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

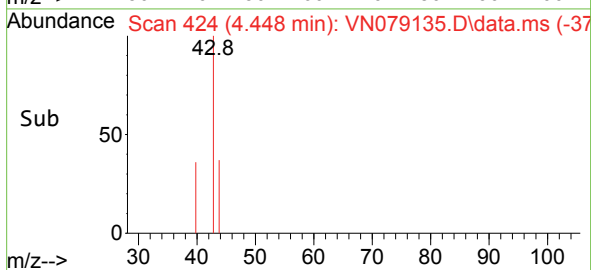
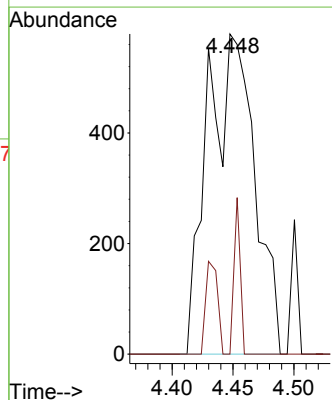
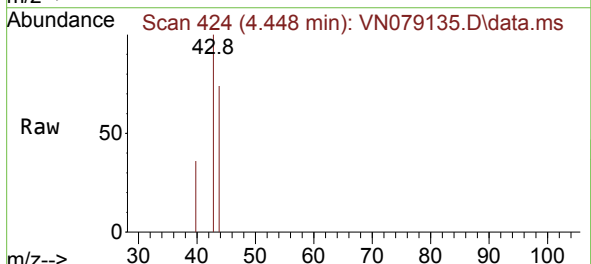
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

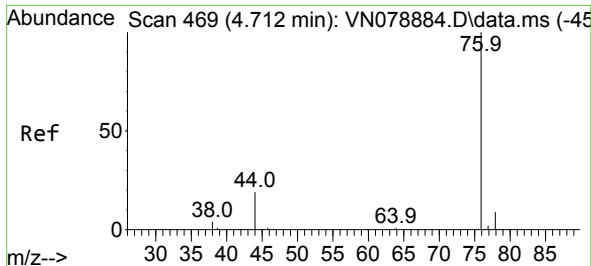
Tgt Ion: 53 Resp: 1042
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 0.0 28.9 43.3#



#16
Acetone
Concen: 0.915 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.006 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion: 43 Resp: 1555
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

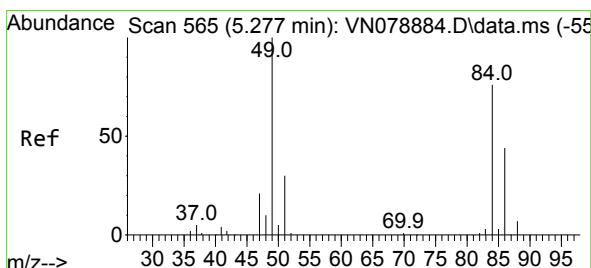
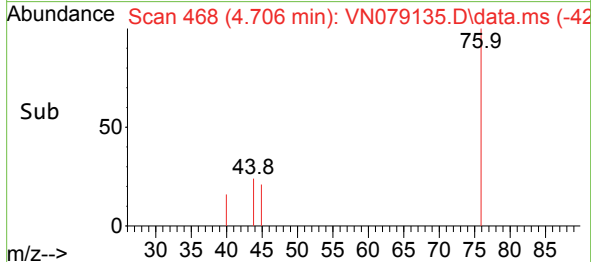
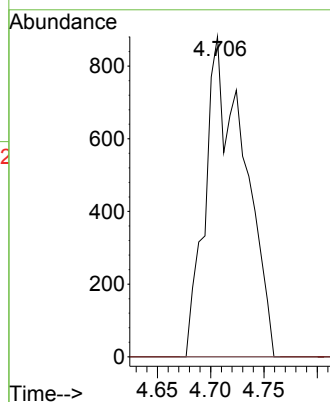
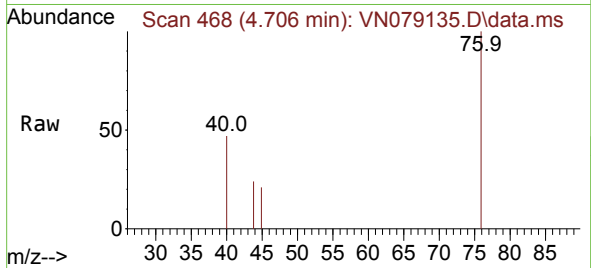




#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.018 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

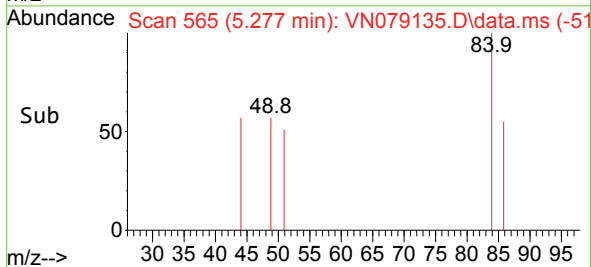
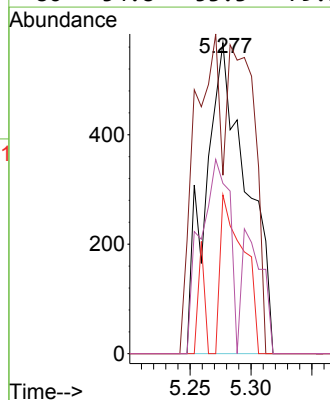
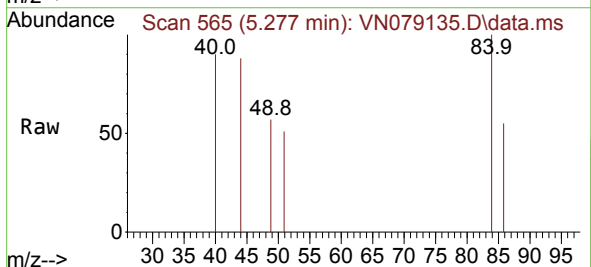
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

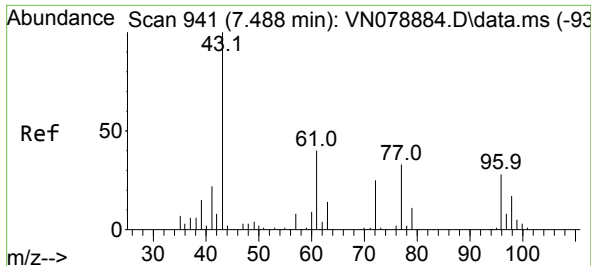
Tgt Ion: 76 Resp: 2233
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.367 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion: 84 Resp: 1328
Ion Ratio Lower Upper
84 100
49 57.4 79.7 119.5#
51 51.1 25.2 37.8#
86 54.8 53.3 79.9

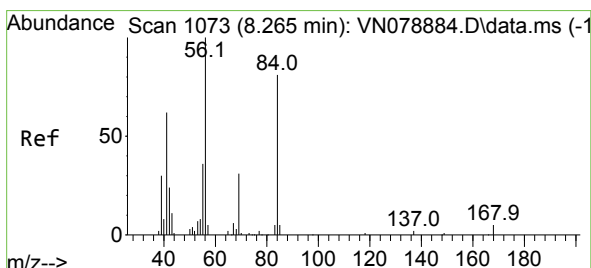
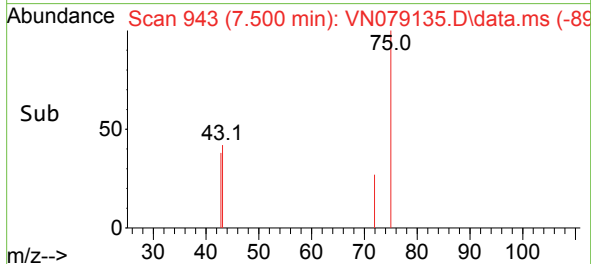
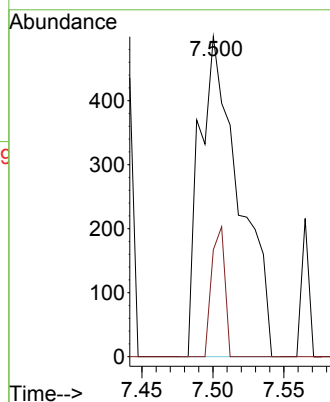
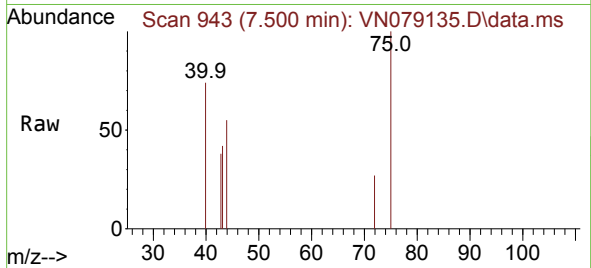




#25
2-Butanone
Concen: 0.357 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

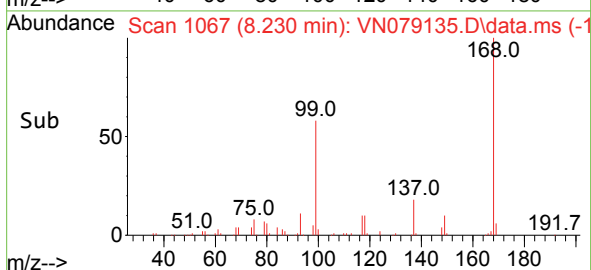
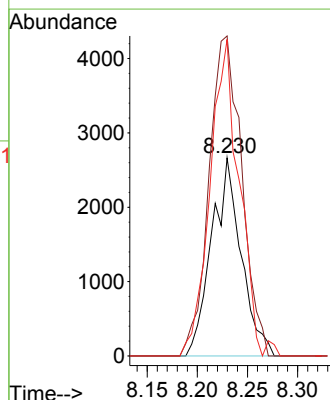
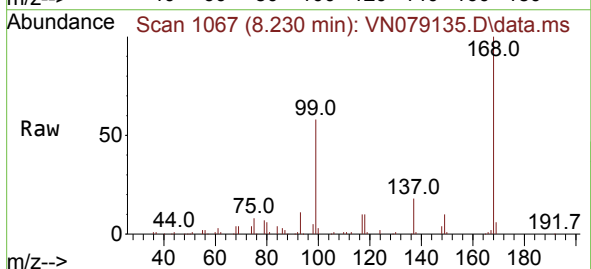
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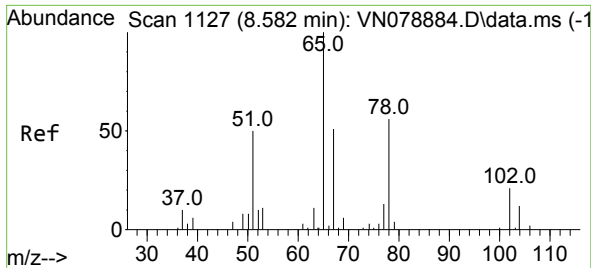
Tgt Ion: 43 Resp: 973
Ion Ratio Lower Upper
43 100
72 33.4 30.2 45.2



#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion: 56 Resp: 5458
Ion Ratio Lower Upper
56 100
69 161.5 26.8 40.2#
84 159.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 46.113 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079135.D

Acq: 02 Sep 2023 11:37

Instrument :

MSVOA_N

ClientSampleId :

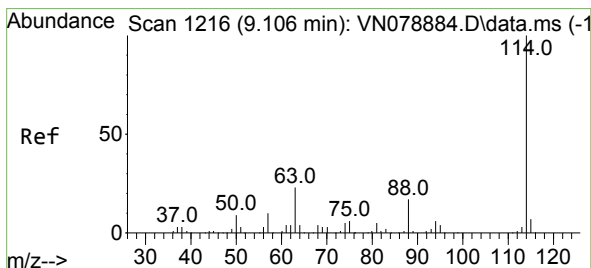
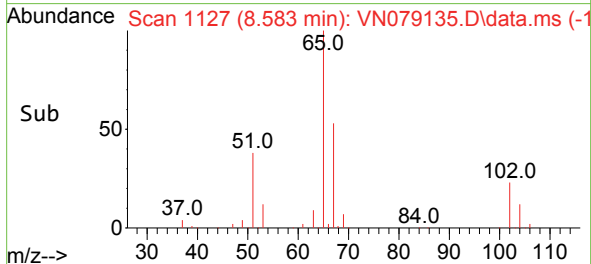
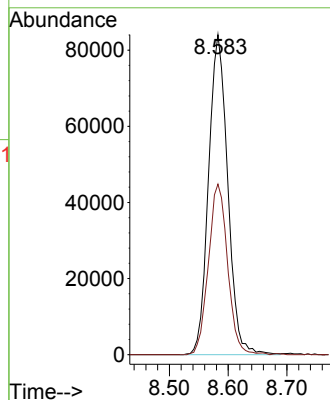
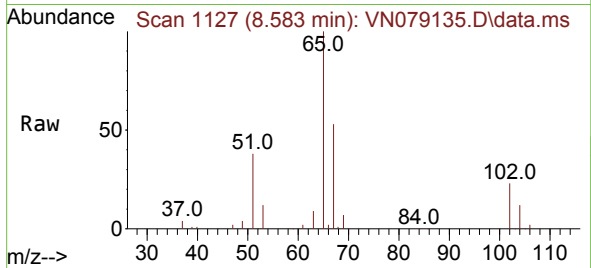
VN0902WBL01

Tgt Ion: 65 Resp: 189948

Ion Ratio Lower Upper

65 100

67 53.5 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: VN079135.D

Acq: 02 Sep 2023 11:37

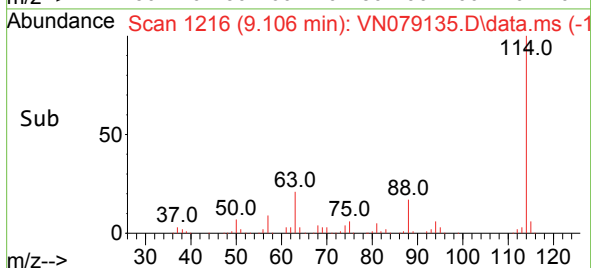
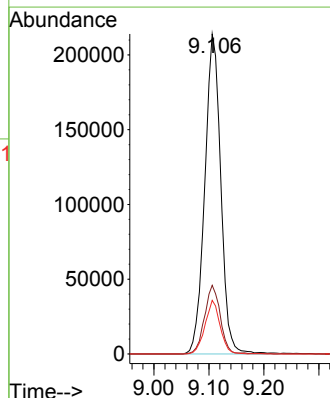
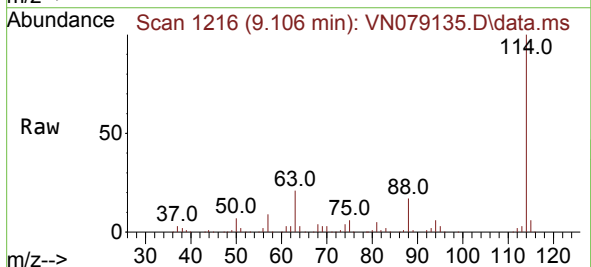
Tgt Ion: 114 Resp: 433489

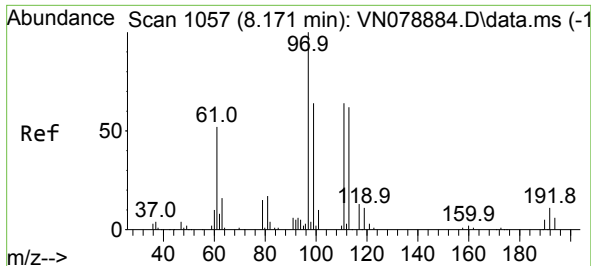
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 16.7 0.0 30.6

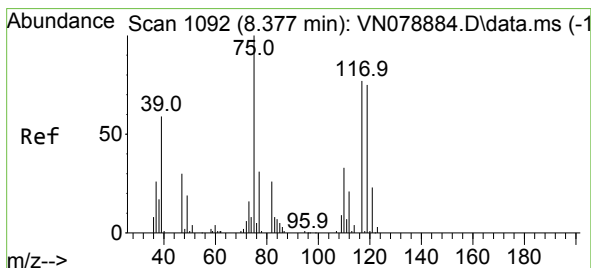
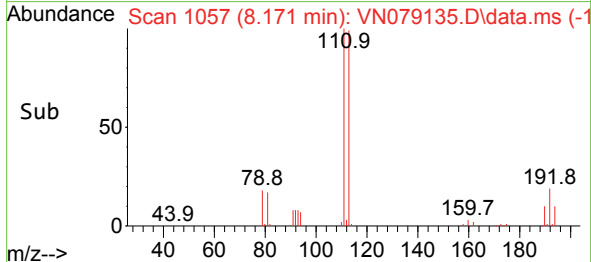
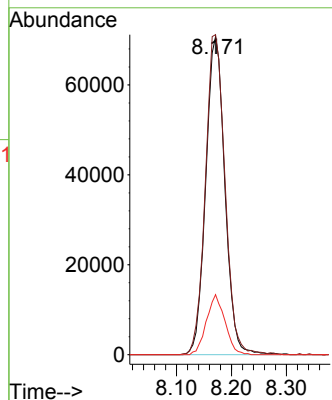
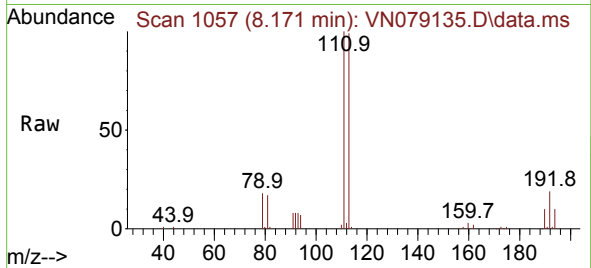




#35
Dibromofluoromethane
Concen: 58.443 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

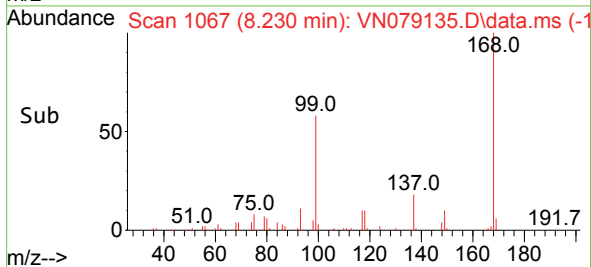
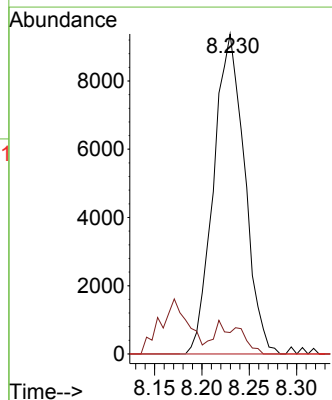
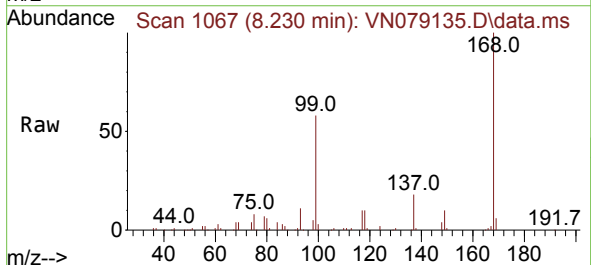
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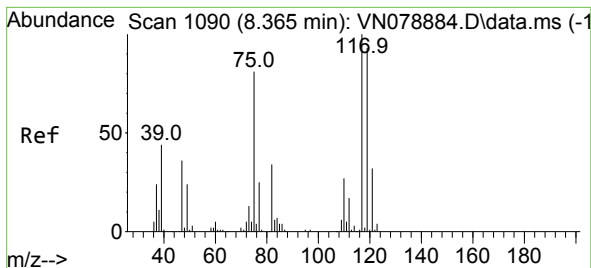
Tgt Ion:113 Resp: 170539
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 18.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.856 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion: 75 Resp: 21317
Ion Ratio Lower Upper
75 100
110 2.9 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.042 ug/l

RT: 8.230 min Scan# 1105

Delta R.T. -0.141 min

Lab File: VN079135.D

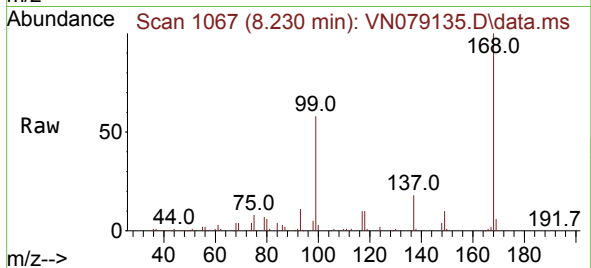
Acq: 02 Sep 2023 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBL01



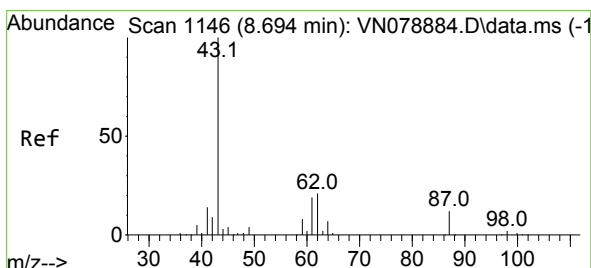
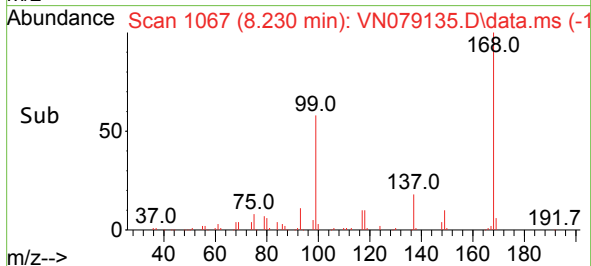
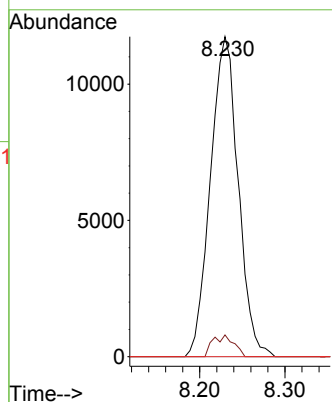
Tgt Ion:117 Resp: 26572

Ion Ratio Lower Upper

117 100

119 6.8 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.734 ug/l

RT: 8.736 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN079135.D

Acq: 02 Sep 2023 11:37

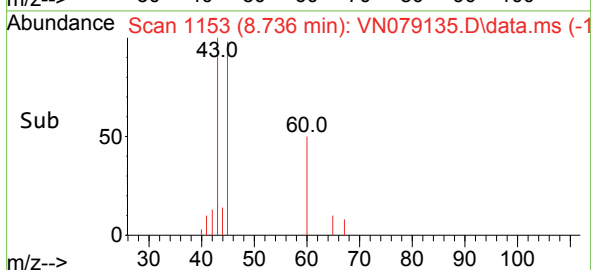
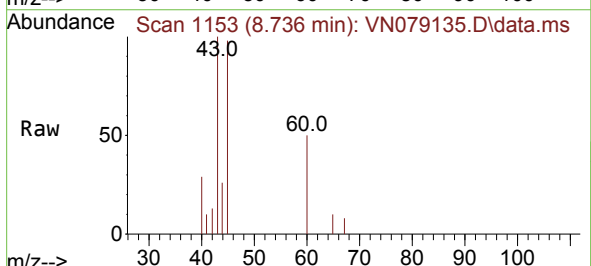
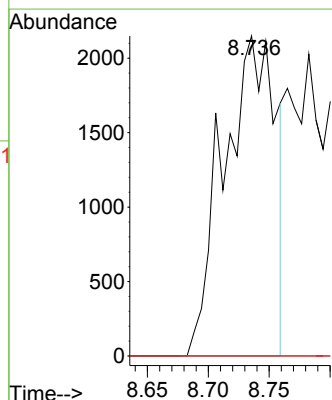
Tgt Ion: 43 Resp: 6371

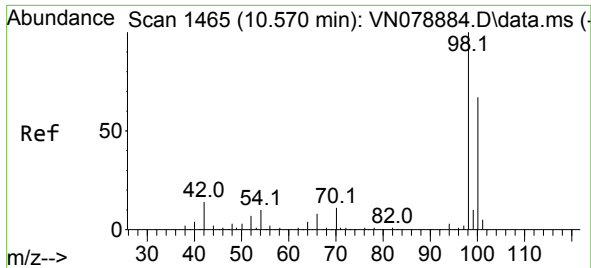
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

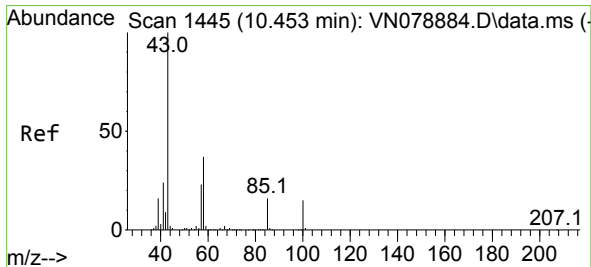
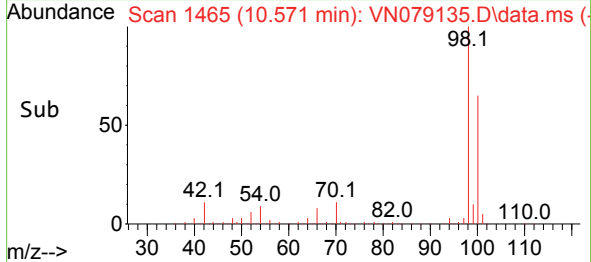
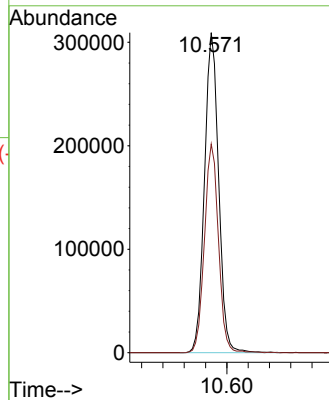
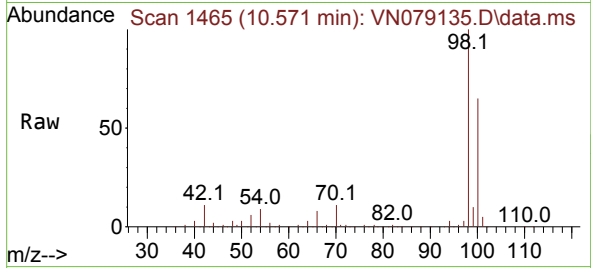




#50
Toluene-d8
Concen: 52.486 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

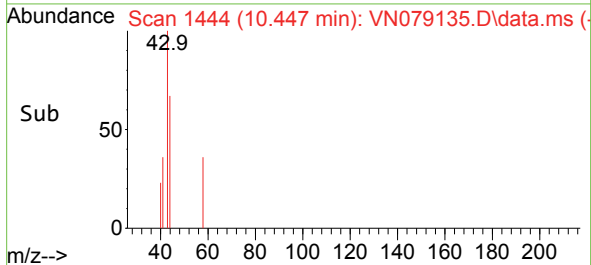
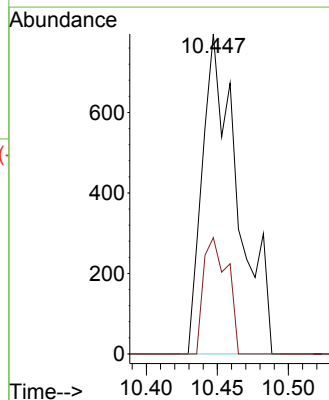
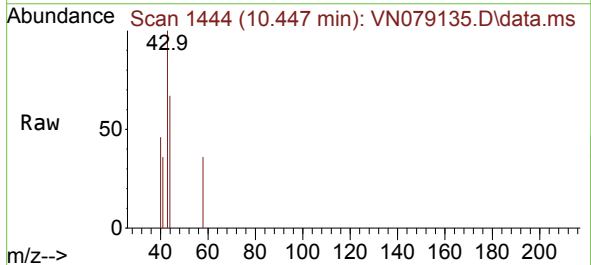
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

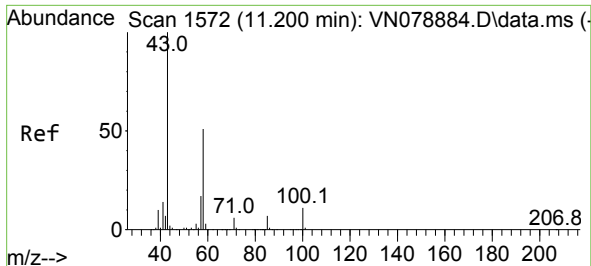
Tgt Ion: 98 Resp: 568679
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.266 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
58 24.8 36.6 54.8#





#59

2-Hexanone

Concen: 0.571 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN079135.D

Acq: 02 Sep 2023 11:37

Instrument :

MSVOA_N

ClientSampleId :

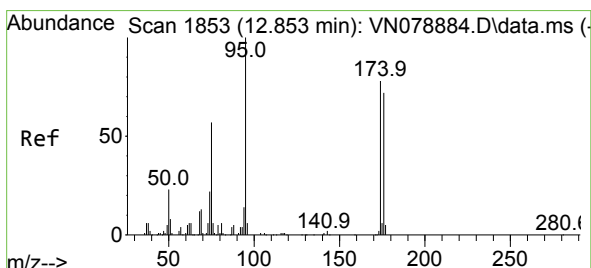
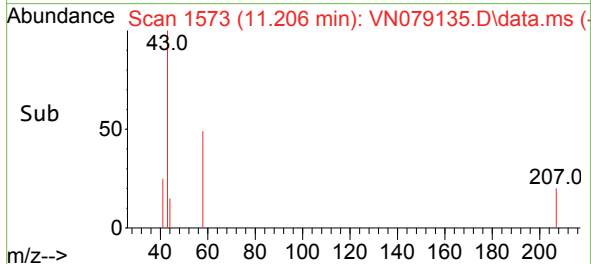
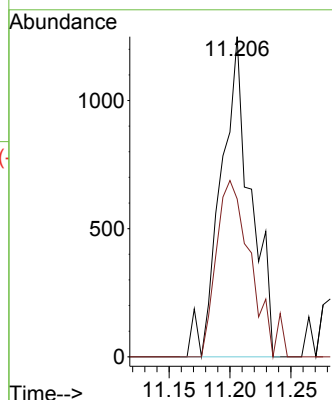
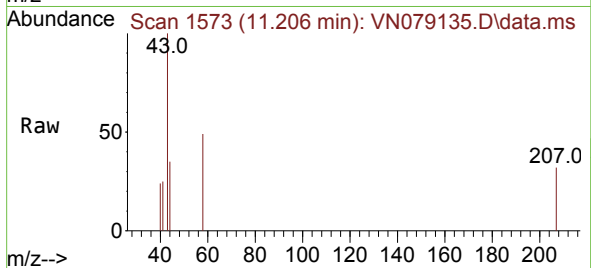
VN0902WBL01

Tgt Ion: 43 Resp: 2131

Ion Ratio Lower Upper

43 100

58 64.1 31.7 95.1



#62

4-Bromofluorobenzene

Concen: 49.974 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079135.D

Acq: 02 Sep 2023 11:37

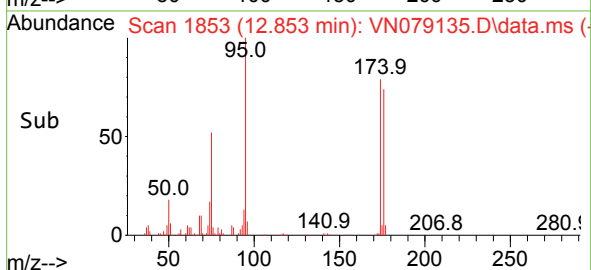
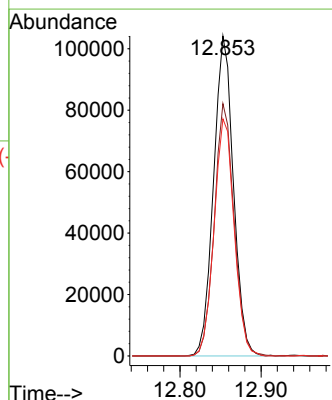
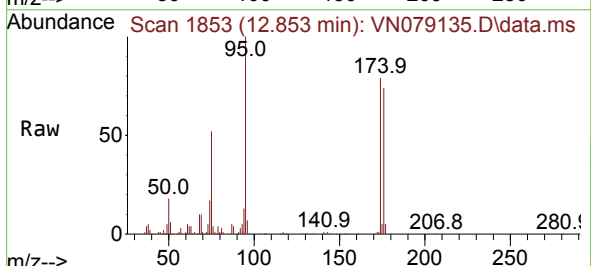
Tgt Ion: 95 Resp: 176982

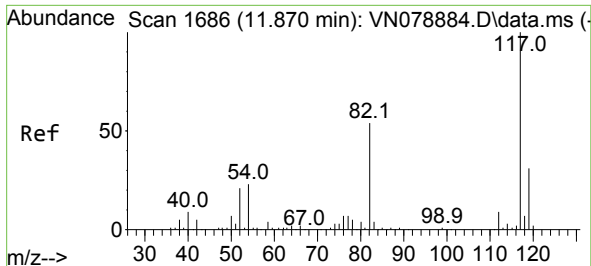
Ion Ratio Lower Upper

95 100

174 78.4 0.0 143.8

176 75.0 0.0 135.8

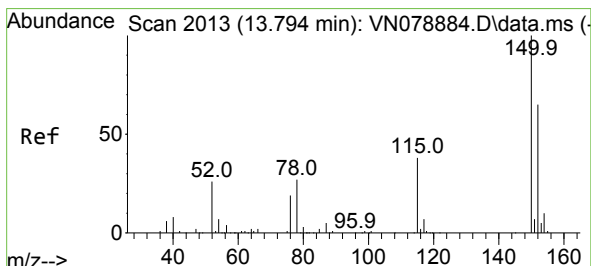
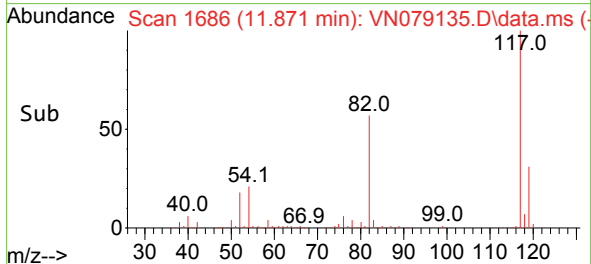
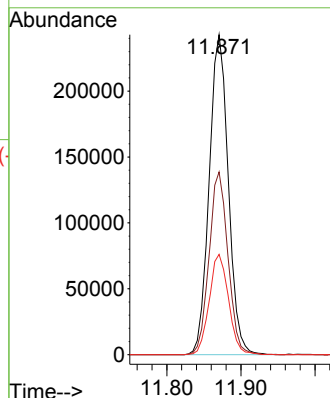
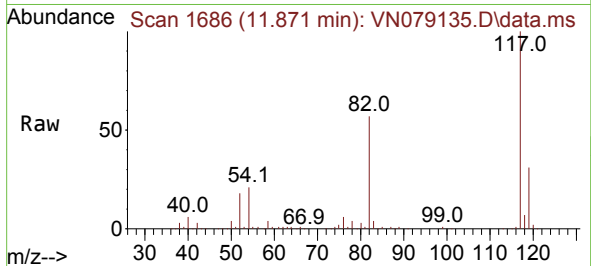




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

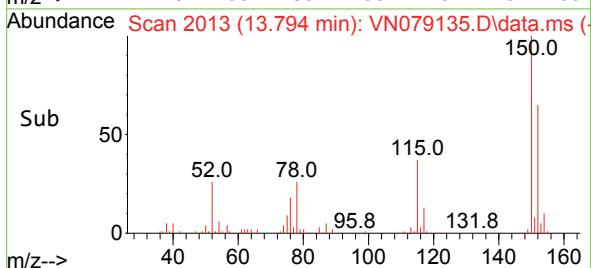
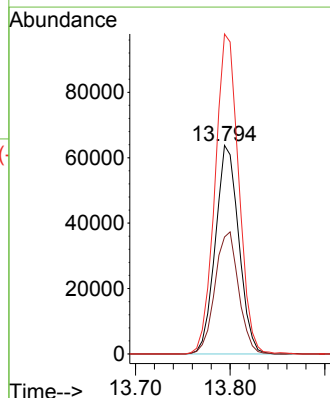
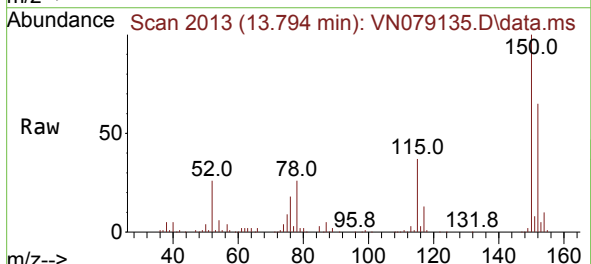
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

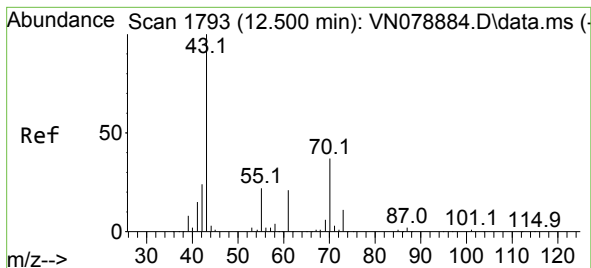
Tgt Ion:117 Resp: 435165
Ion Ratio Lower Upper
117 100
82 57.1 44.0 66.0
119 31.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion:152 Resp: 109257
Ion Ratio Lower Upper
152 100
115 59.3 32.3 96.8
150 155.4 0.0 355.8





#74

N-amy1 acetate

Concen: 0.227 ug/l

RT: 12.500 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079135.D

Acq: 02 Sep 2023 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBL01

Tgt Ion: 43 Resp: 1044

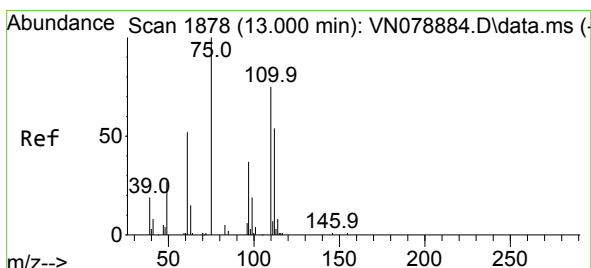
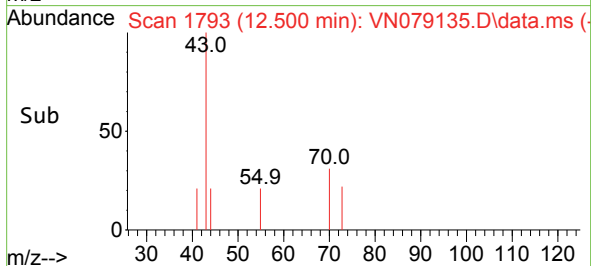
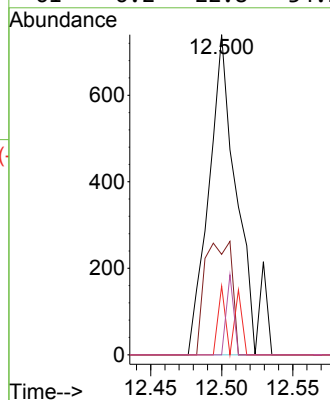
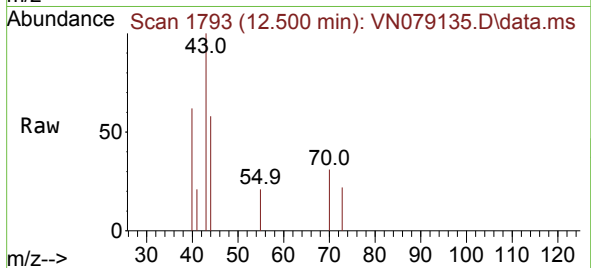
Ion Ratio Lower Upper

43 100

70 33.0 43.4 65.2#

55 10.4 21.4 32.0#

61 6.2 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 35.307 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079135.D

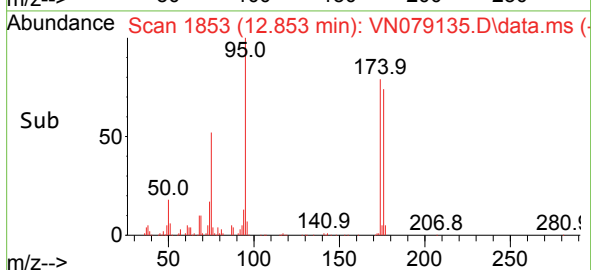
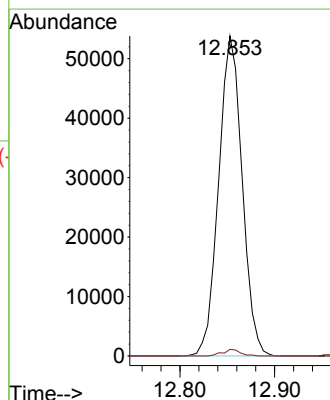
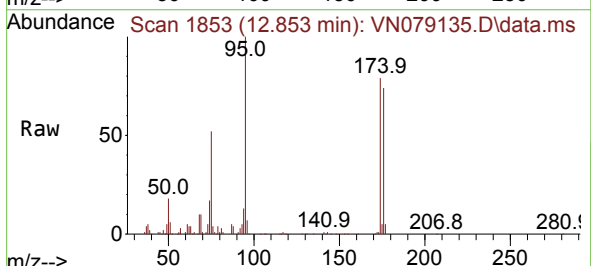
Acq: 02 Sep 2023 11:37

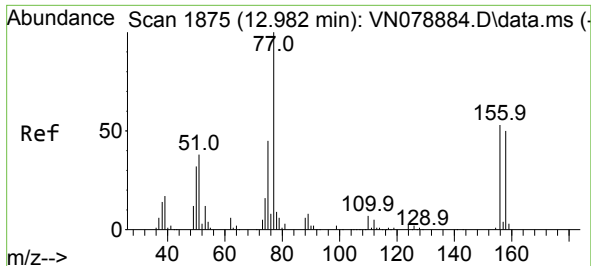
Tgt Ion: 75 Resp: 92948

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#

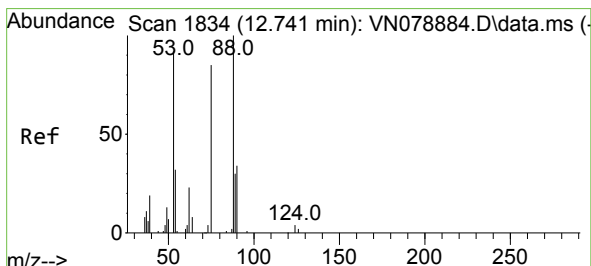
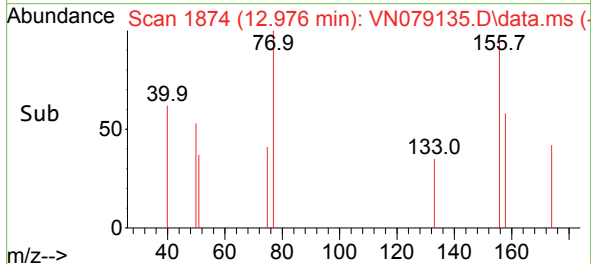
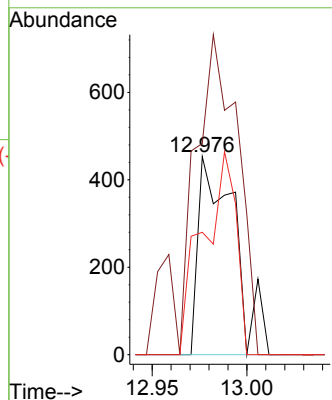
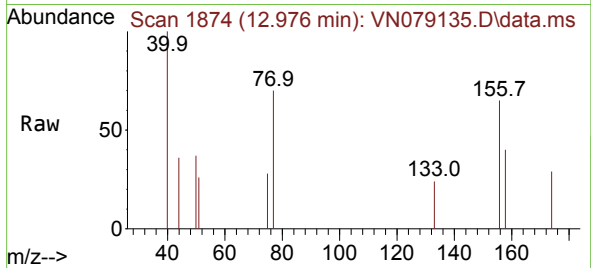




#77
Bromobenzene
Concen: 0.275 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

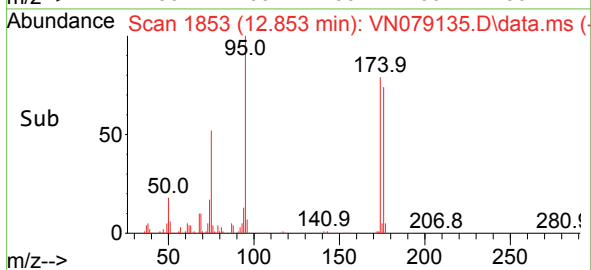
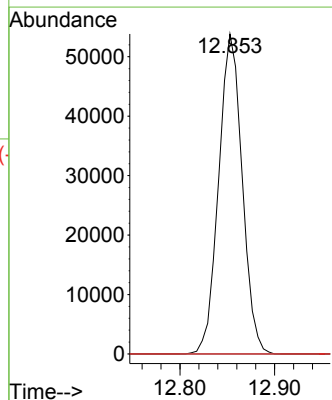
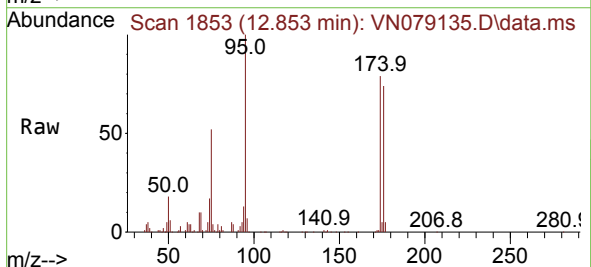
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

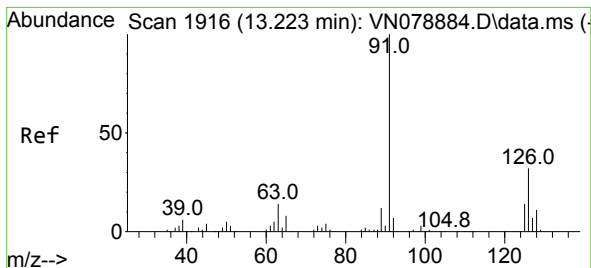
Tgt Ion:156 Resp: 603
Ion Ratio Lower Upper
156 100
77 208.3 107.7 323.3
158 94.4 48.4 145.3



#81
trans-1,4-Dichloro-2-butene
Concen: 90.194 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion: 75 Resp: 92948
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

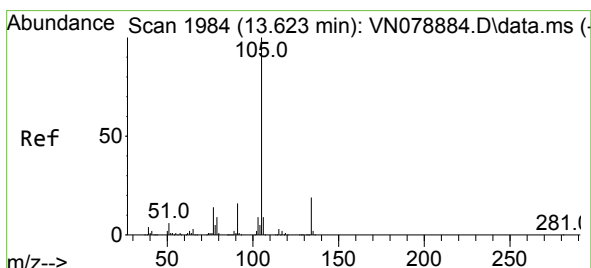
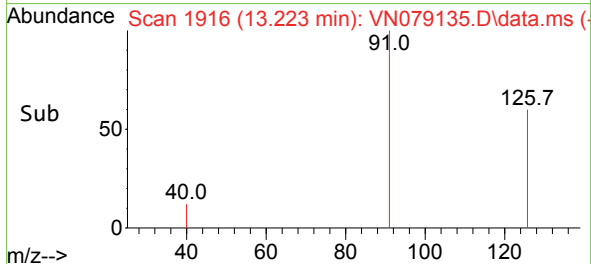
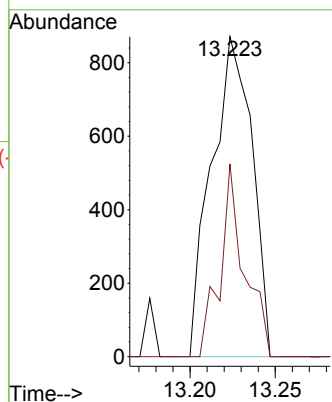
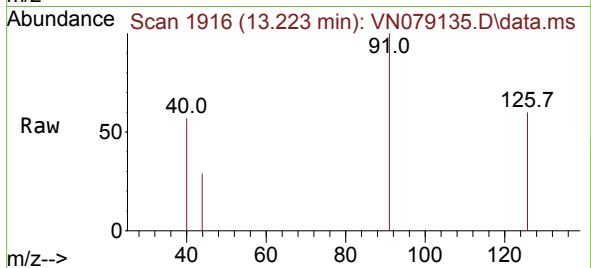




#82
4-Chlorotoluene
Concen: 0.225 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

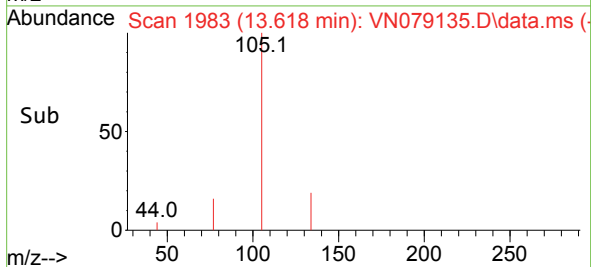
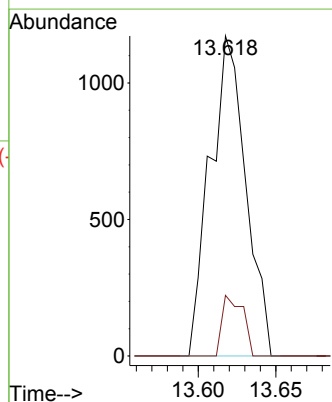
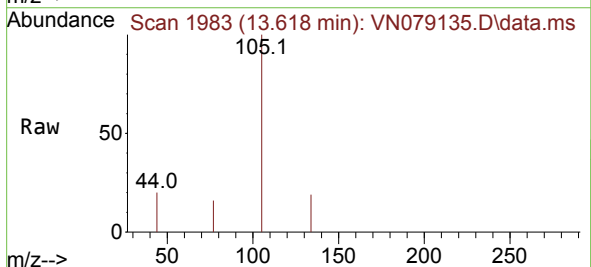
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

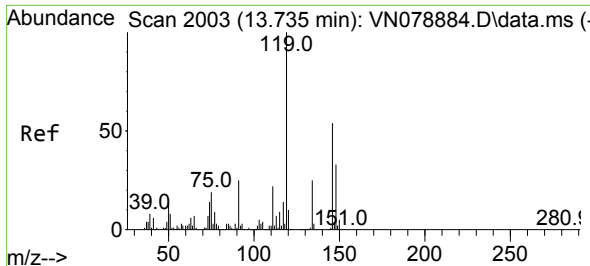
Tgt Ion: 91 Resp: 1443
Ion Ratio Lower Upper
91 100
126 36.1 16.7 50.0



#85
sec-Butylbenzene
Concen: 0.225 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. -0.005 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion: 105 Resp: 1879
Ion Ratio Lower Upper
105 100
134 11.0 9.8 29.3

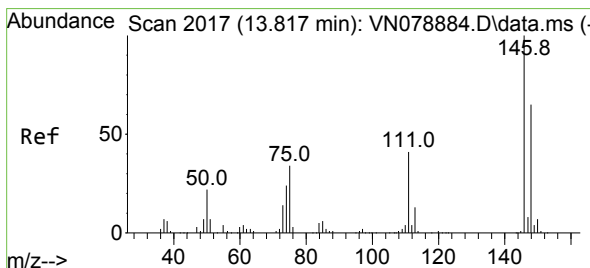
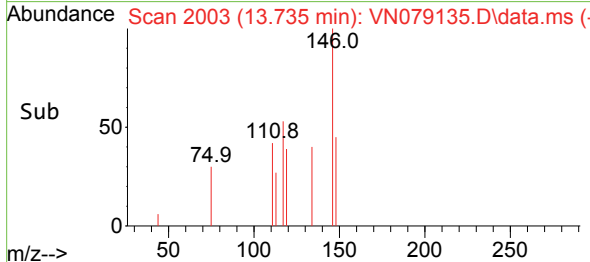
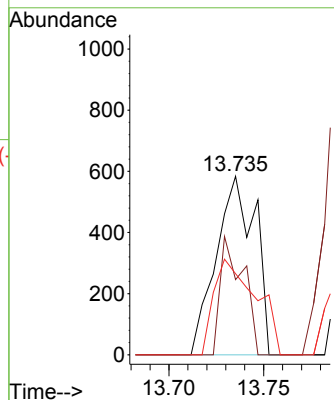
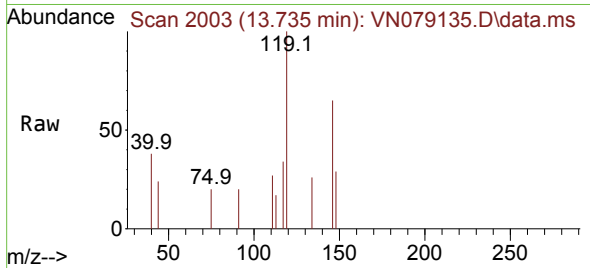




#87
1,3-Dichlorobenzene
Concen: 0.221 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.006 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

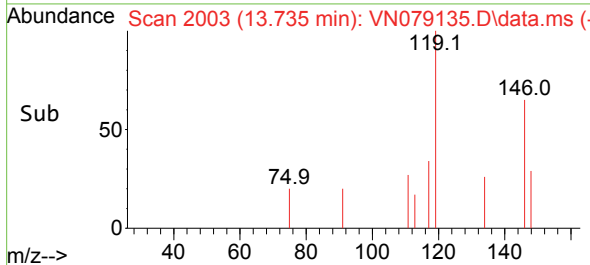
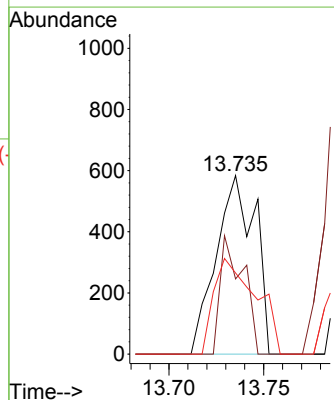
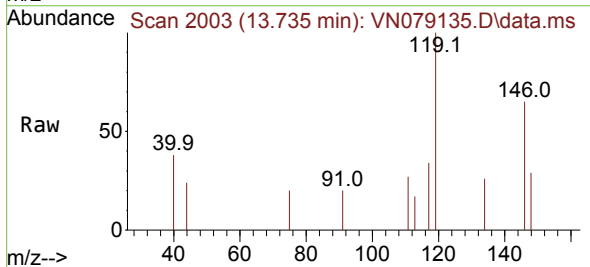
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

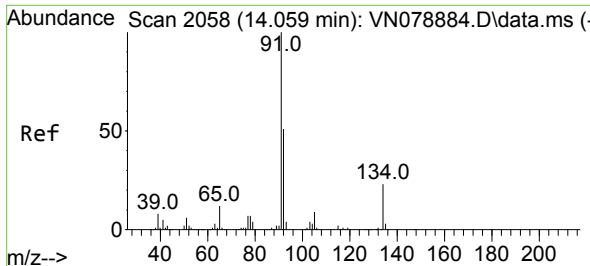
Tgt Ion:146 Resp: 834
Ion Ratio Lower Upper
146 100
111 39.1 22.1 66.3
148 58.2 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.221 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.083 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion:146 Resp: 834
Ion Ratio Lower Upper
146 100
111 39.1 20.6 61.8
148 58.2 31.6 94.8

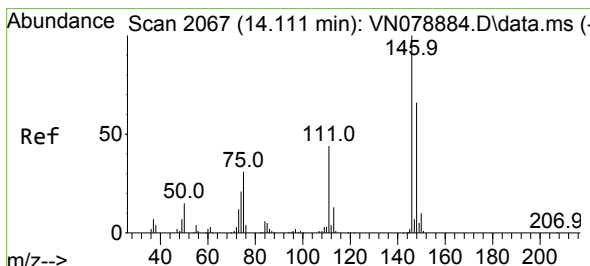
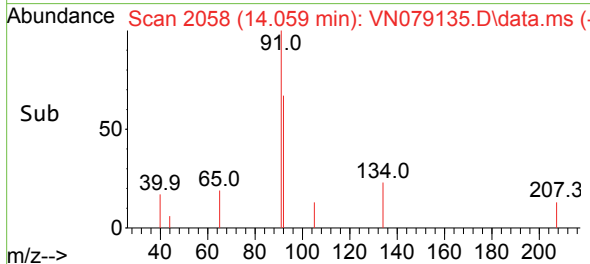
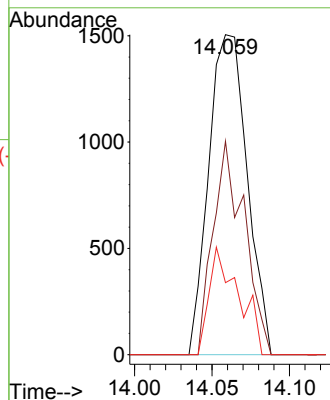
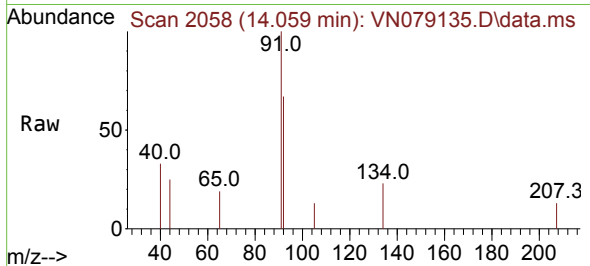




#89
n-Butylbenzene
Concen: 0.474 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

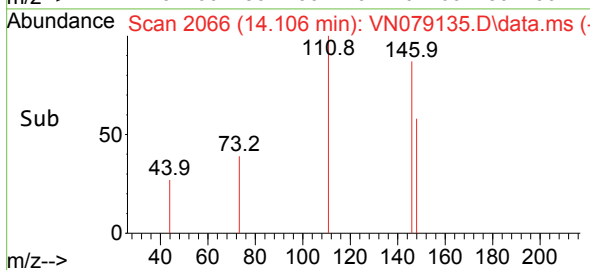
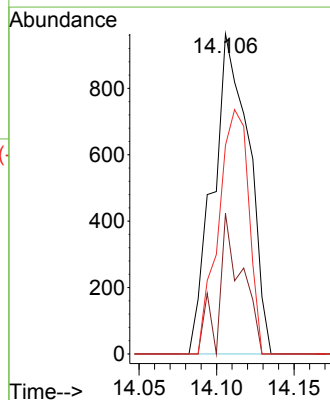
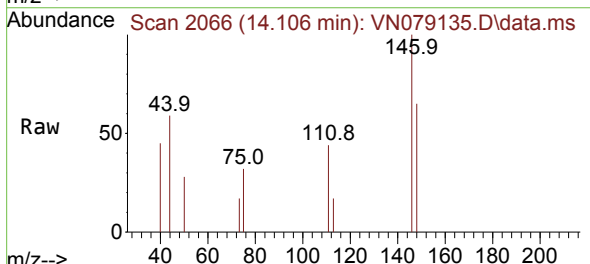
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

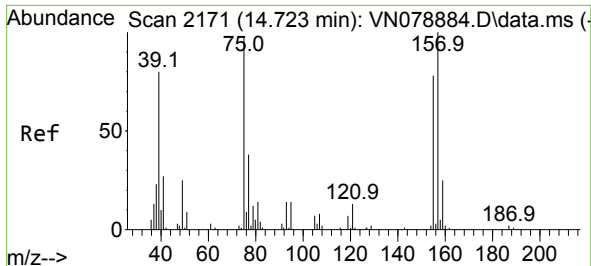
Tgt Ion: 91	Resp:	2602	
Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.4	79.0
134	25.7	12.6	37.6



#91
1,2-Dichlorobenzene
Concen: 0.414 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion:146	Resp:	1553	
Ion	Ratio	Lower	Upper
146	100		
111	28.3	22.0	66.0
148	64.6	31.8	95.3

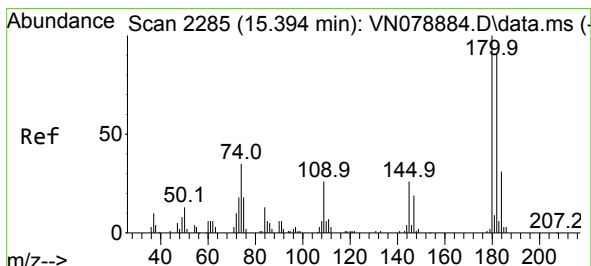
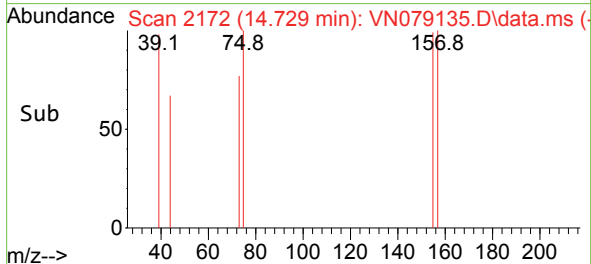
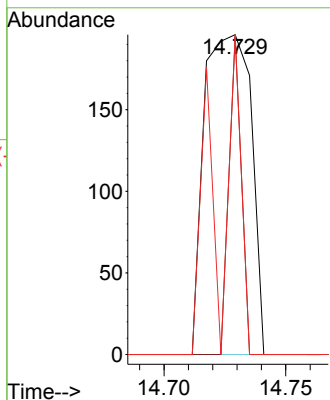
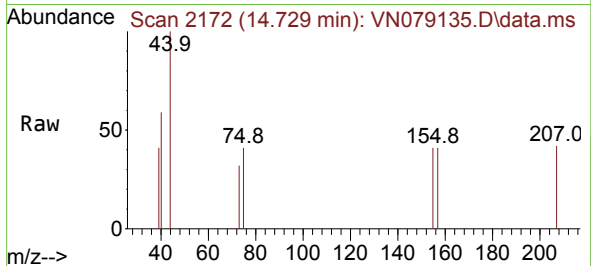




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.729 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

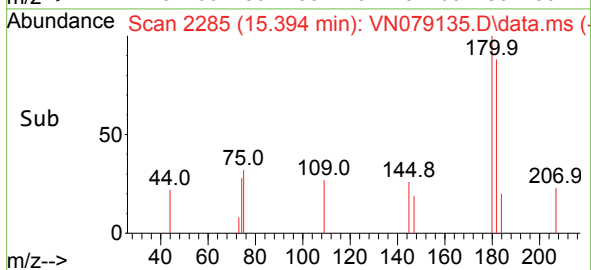
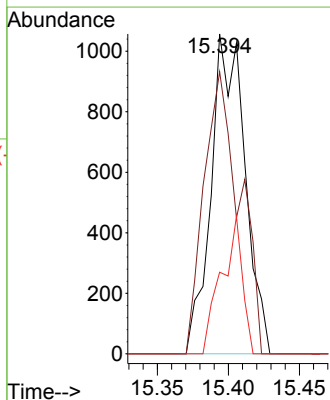
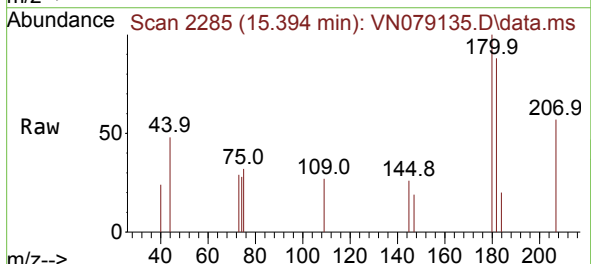
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

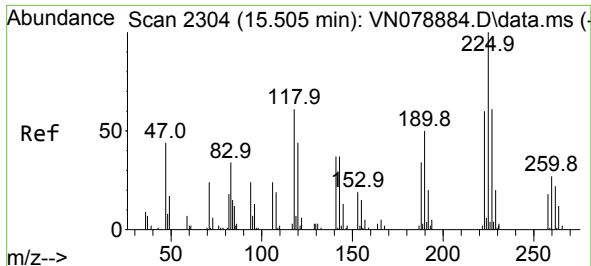
Tgt Ion: 75 Resp: 261
Ion Ratio Lower Upper
75 100
155 26.4 39.1 117.2#
157 50.2 50.3 150.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.317 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

Tgt Ion: 180 Resp: 1749
Ion Ratio Lower Upper
180 100
182 92.9 46.1 138.2
145 26.8 16.6 49.8

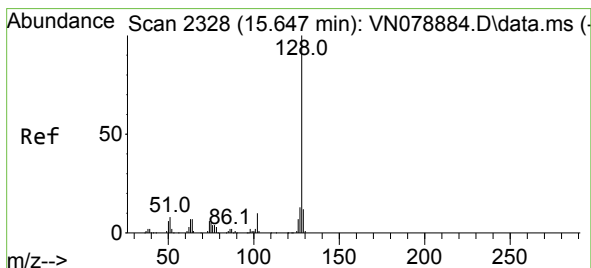
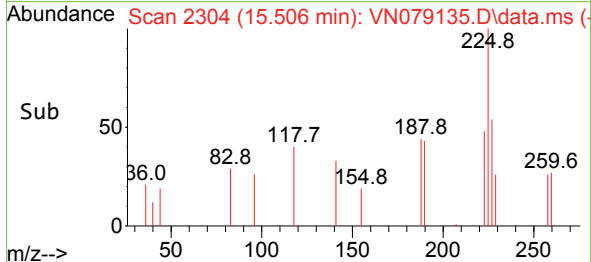
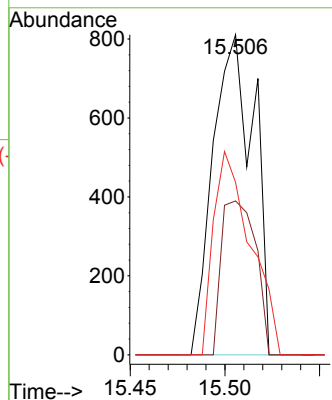
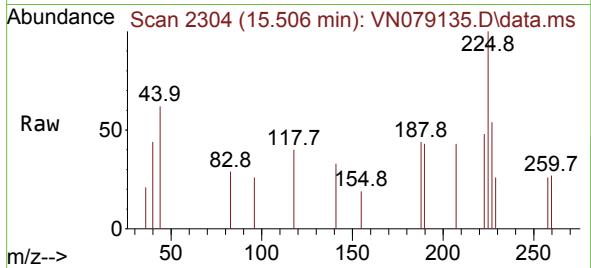




#94
Hexachlorobutadiene
Concen: 1.345 ug/l
RT: 15.506 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

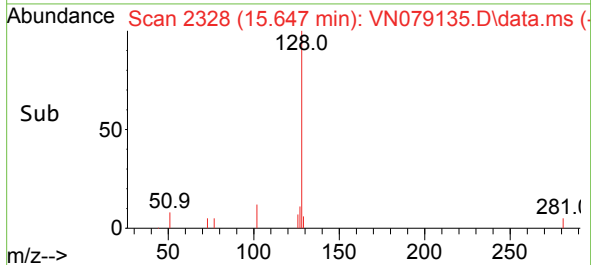
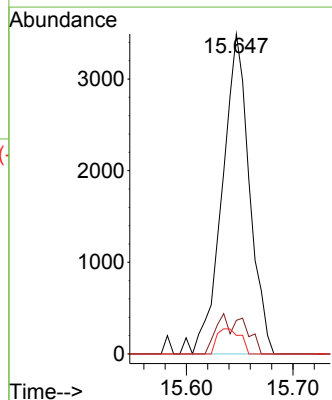
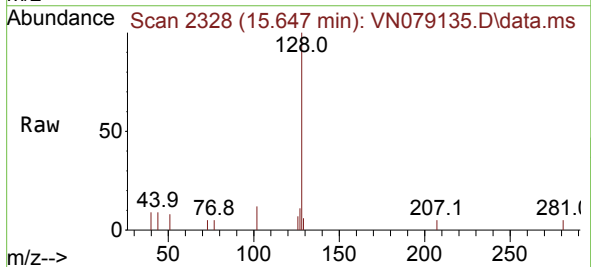
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

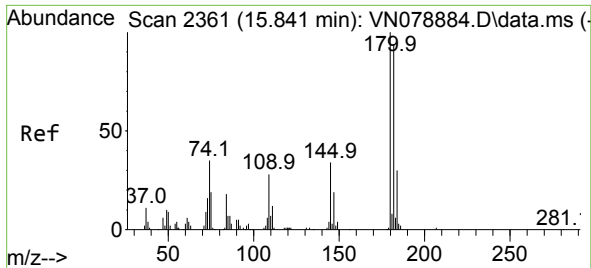
Tgt Ion:	225	Resp:	1218
Ion Ratio	Lower	Upper	
225	100		
223	40.4	31.3	93.8
227	57.8	31.9	95.9



#95
Naphthalene
Concen: 3.748 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079135.D
Acq: 02 Sep 2023 11:37

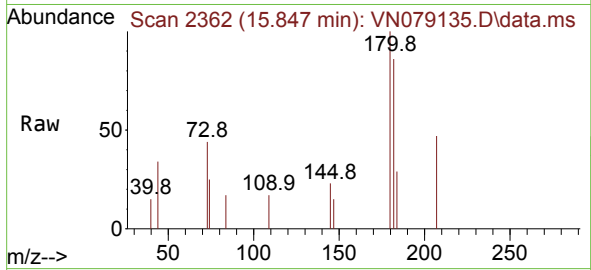
Tgt Ion:	128	Resp:	6227
Ion Ratio	Lower	Upper	
128	100		
127	6.4	10.0	15.0#
129	6.7	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.628 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN079135.D
 Acq: 02 Sep 2023 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBL01



Tgt Ion:	180	Resp:	2369
Ion	Ratio	Lower	Upper
180	100		
182	81.3	46.2	138.6
145	27.5	17.5	52.6

