

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082423\
 Data File : VN079032.D
 Acq On : 24 Aug 2023 15:29
 Operator : JC\MD
 Sample : 04075-01 20X
 Misc : 6.52g/5.0mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 25 02:54:04 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)

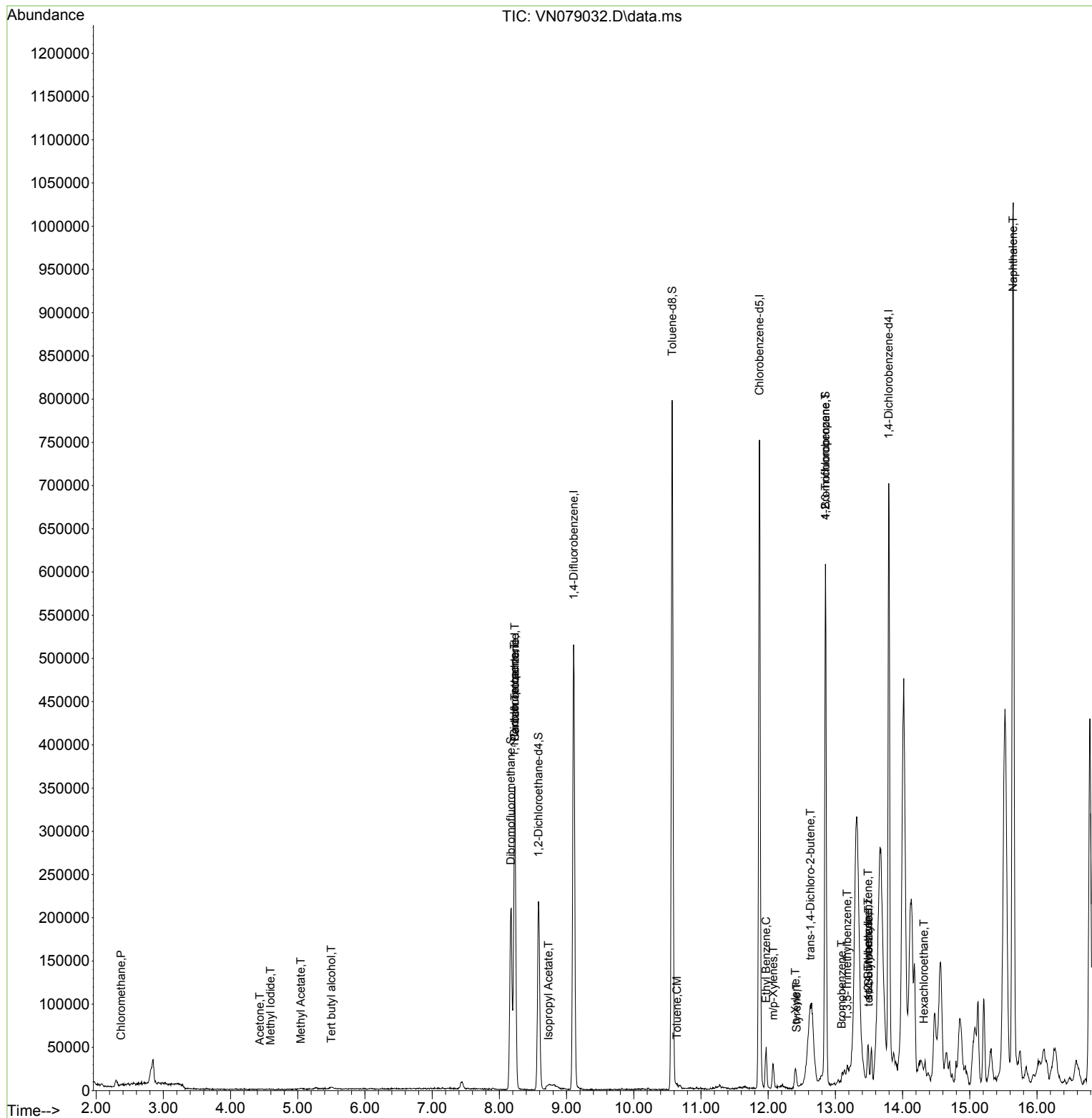
Internal Standards						
1) Pentafluorobenzene	8.229	168	249619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	449475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	418253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	174972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	175499	45.182	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.360%		
35) Dibromofluoromethane	8.171	113	148841	49.193	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.380%		
50) Toluene-d8	10.570	98	531256	47.288	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.580%		
62) 4-Bromofluorobenzene	12.853	95	192661	52.466	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.940%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1189	0.246	ug/l #	42
10) Methyl Iodide	4.594	142	792	0.257	ug/l #	38
11) Tert butyl alcohol	5.500	59	1903	2.920	ug/l #	72
16) Acetone	4.436	43	340	0.212	ug/l #	40
18) Methyl Acetate	5.047	43	2149	0.317	ug/l #	74
31) Cyclohexane	8.229	56	6346	Below Cal	#	33
36) 1,1-Dichloropropene	8.224	75	21280	4.676	ug/l #	48
38) Carbon Tetrachloride	8.229	117	26865	5.891	ug/l #	15
43) Isopropyl Acetate	8.729	43	4890	0.543	ug/l #	49
52) Toluene	10.641	92	2206	0.267	ug/l	80
67) Ethyl Benzene	11.970	91	32452	2.004	ug/l	90
68) m/p-Xylenes	12.076	106	7812	1.291	ug/l	90
69) o-Xylene	12.406	106	5323	0.904	ug/l	96
70) Styrene	12.423	104	3919	0.399	ug/l #	74
76) 1,2,3-Trichloropropane	12.853	75	107472	25.492	ug/l #	1
77) Bromobenzene	13.094	156	908	0.259	ug/l #	15
80) 1,3,5-Trimethylbenzene	13.176	105	5912	0.511	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.629	75	5756	3.488	ug/l #	39
83) tert-Butylbenzene	13.494	119	3956	0.407	ug/l #	25
84) 1,2,4-Trimethylbenzene	13.488	105	24233	2.117	ug/l	98
85) sec-Butylbenzene	13.488	105	24233	1.813	ug/l #	58
90) Hexachloroethane	14.317	117	1609	0.751	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.717	75	313	Below Cal	#	4
95) Naphthalene	15.647	128	887506	106.976	ug/l	99

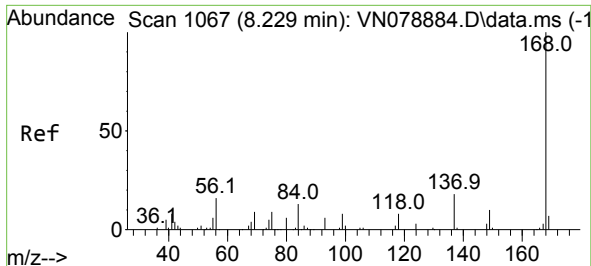
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082423\
Data File : VN079032.D
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Sample : 04075-01 20X
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ALS Vial : 12 Sample Multiplier: 1

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MSVOA_N
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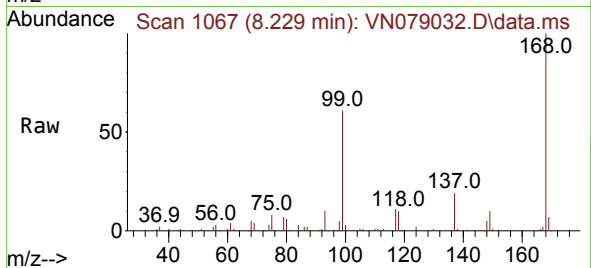
Quant Time: Aug 25 02:54:04 2023
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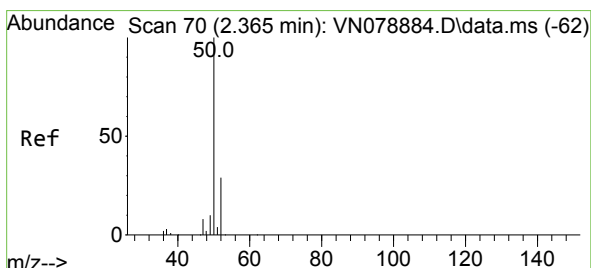
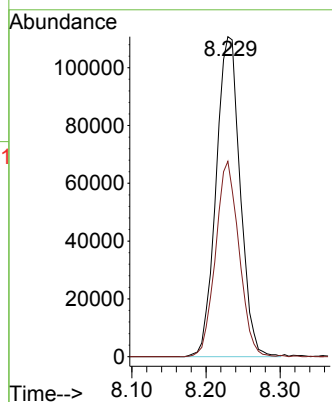
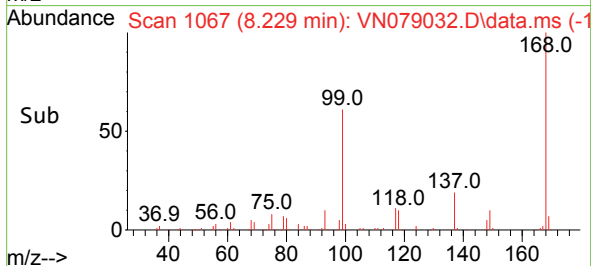


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :

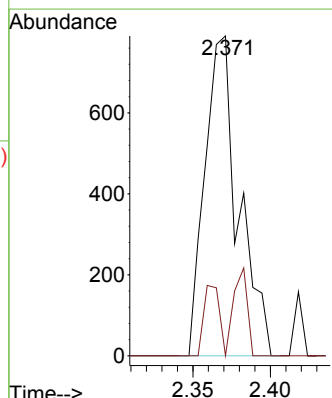
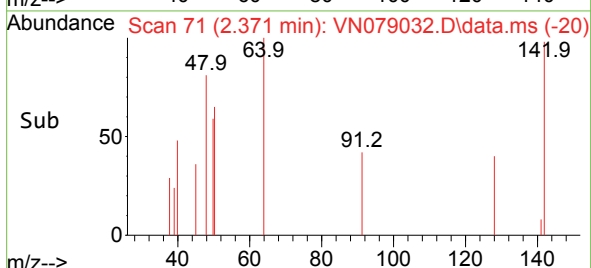
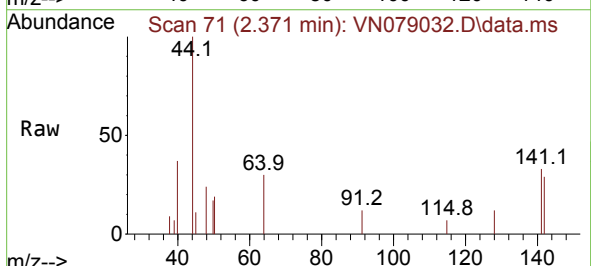


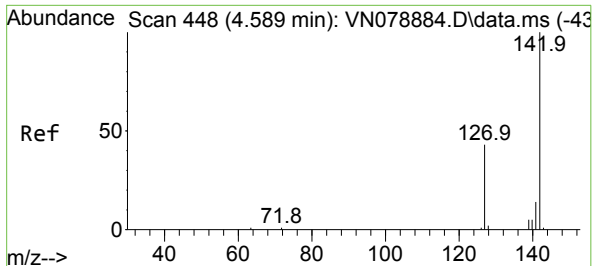
Tgt Ion:168 Resp: 249619
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

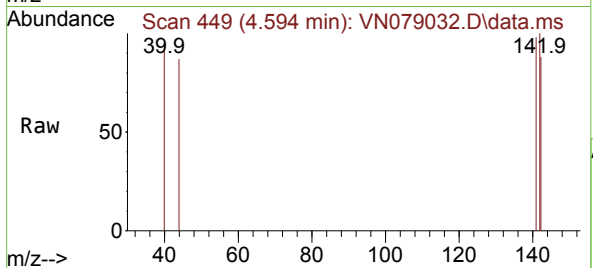
Tgt Ion: 50 Resp: 1189
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



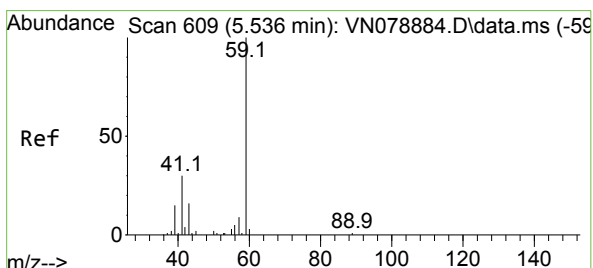
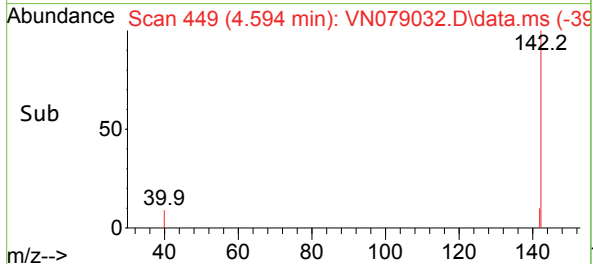
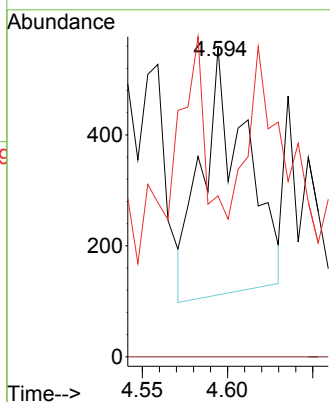


#10
Methyl Iodide
Concen: 0.257 ug/l
RT: 4.594 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :

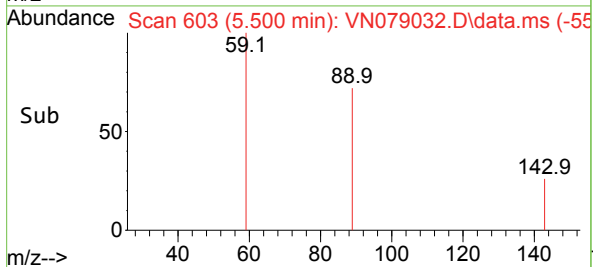
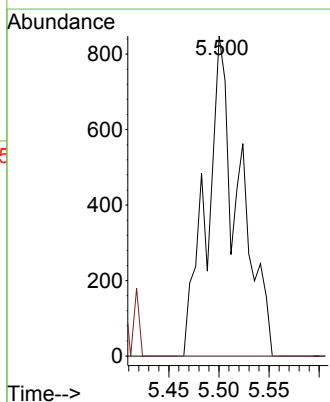
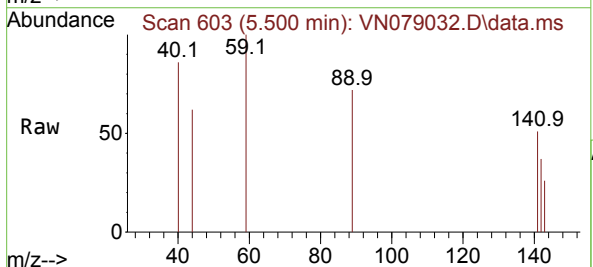


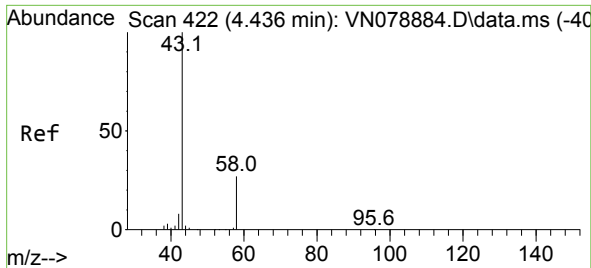
Tgt Ion:142 Resp: 792
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.920 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.042 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

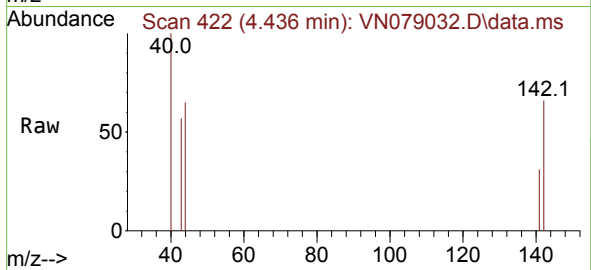
Tgt Ion: 59 Resp: 1903
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



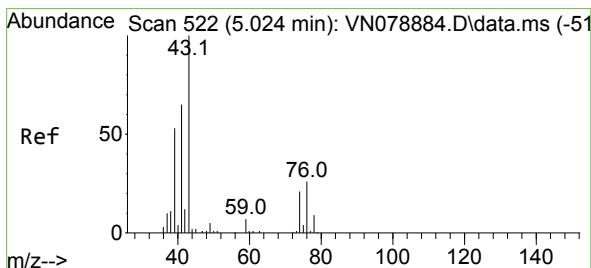
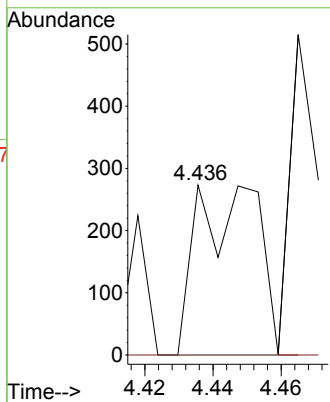
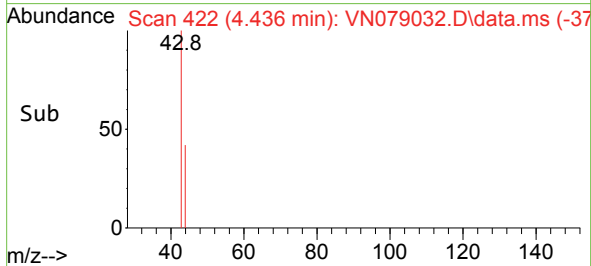


#16
Acetone
Concen: 0.212 ug/l
RT: 4.436 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

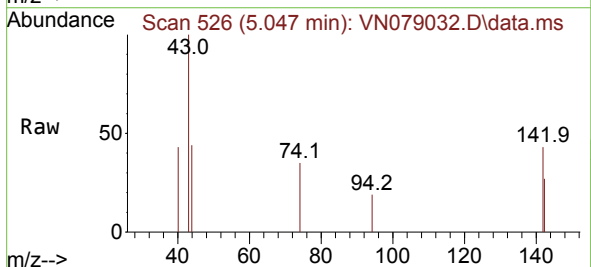
Instrument :
MSVOA_N
ClientSampleId :



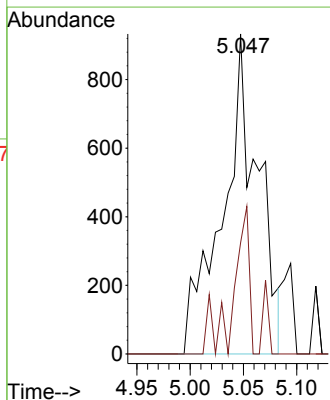
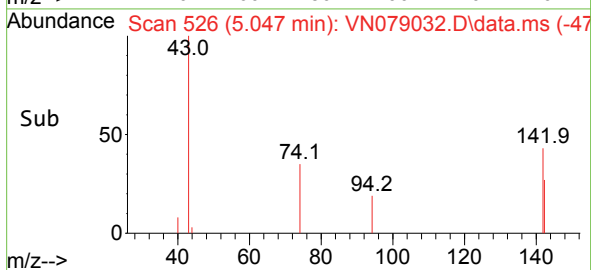
Tgt Ion: 43 Resp: 340
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

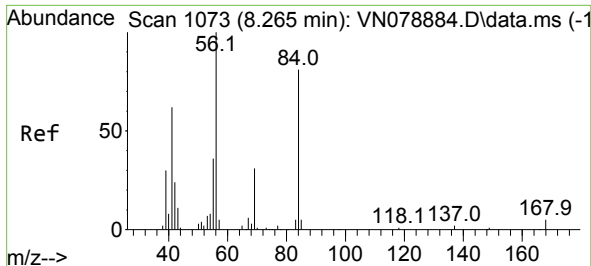


#18
Methyl Acetate
Concen: 0.317 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.005 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29



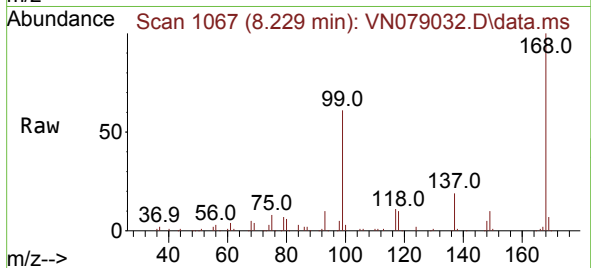
Tgt Ion: 43 Resp: 2149
Ion Ratio Lower Upper
43 100
74 18.0 26.2 39.4#



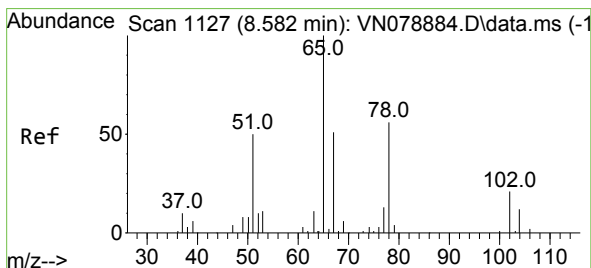
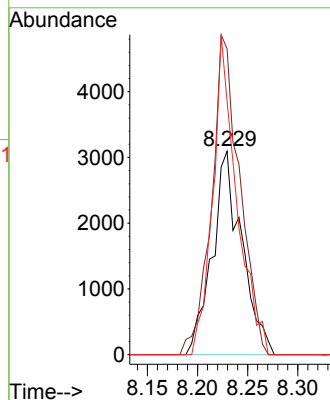
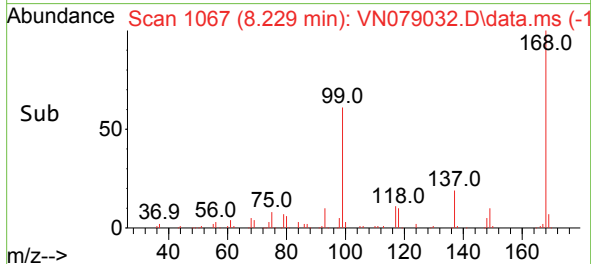


#31
Cyclohexane
Concen: Below Cal
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :

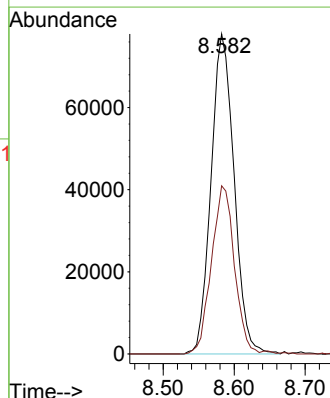
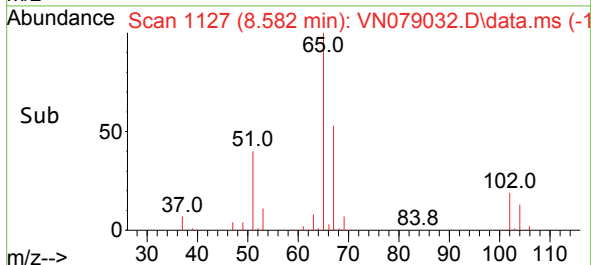
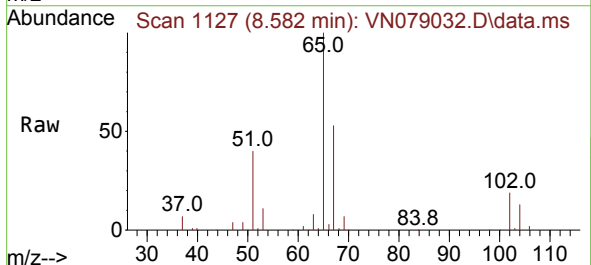


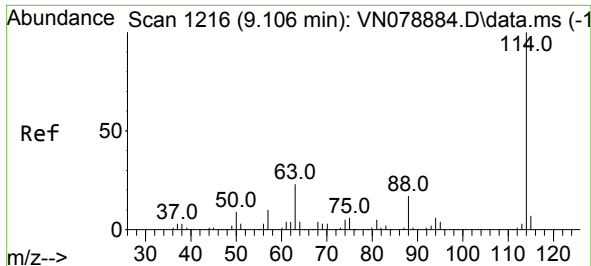
Tgt Ion: 56 Resp: 6346
Ion Ratio Lower Upper
56 100
69 150.5 26.8 40.2#
84 124.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 45.182 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Tgt Ion: 65 Resp: 175499
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6

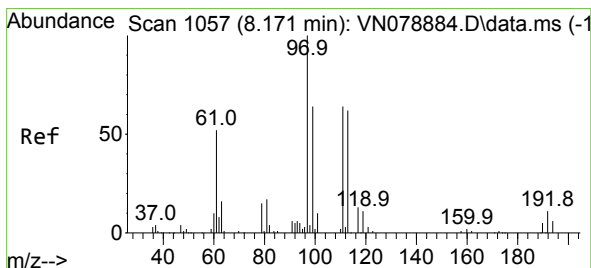
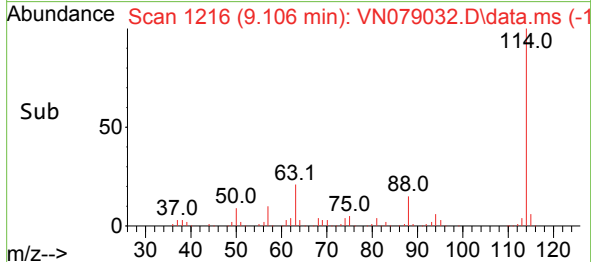
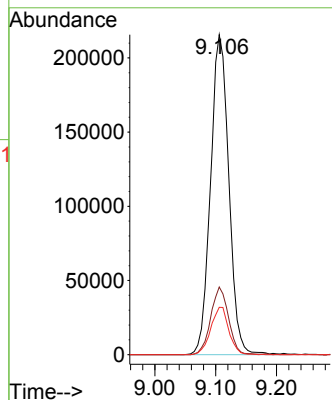
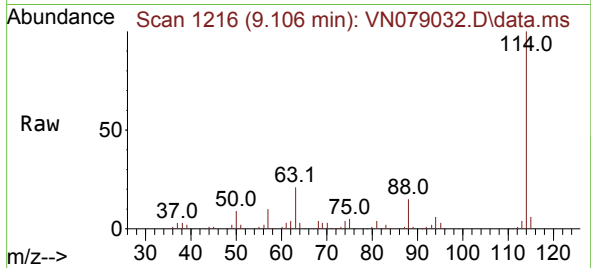




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

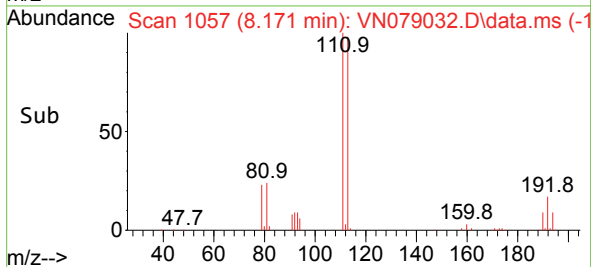
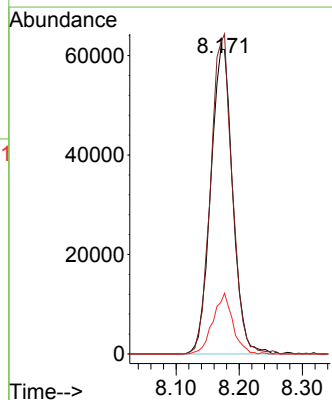
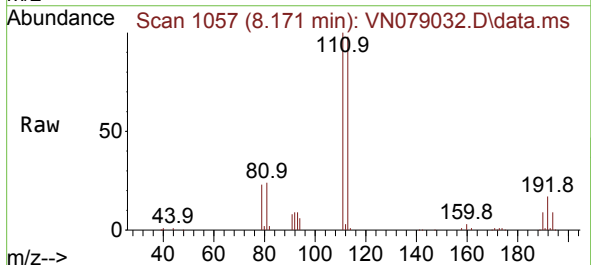
Instrument :
MSVOA_N
ClientSampleId :

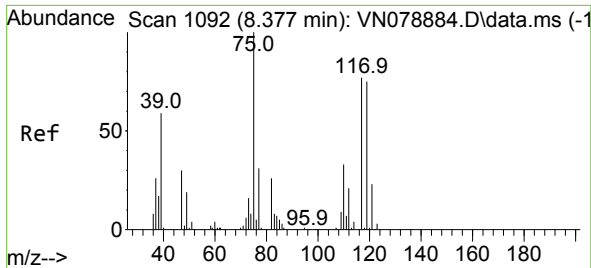
Tgt Ion:114 Resp: 449475
Ion Ratio Lower Upper
114 100
63 21.2 0.0 36.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.193 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

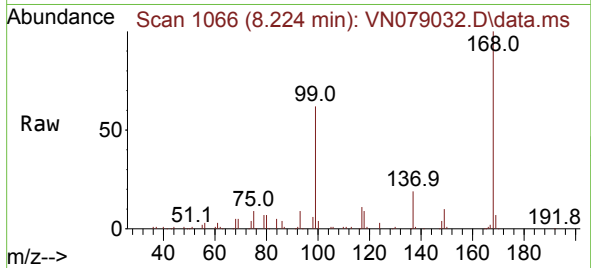
Tgt Ion:113 Resp: 148841
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 17.9 12.7 19.1



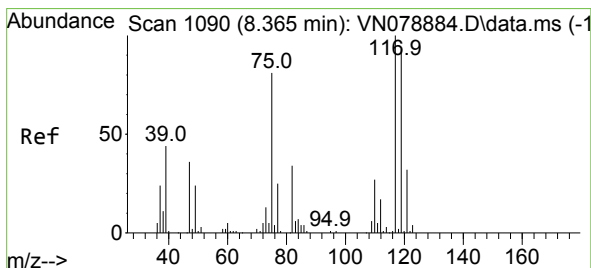
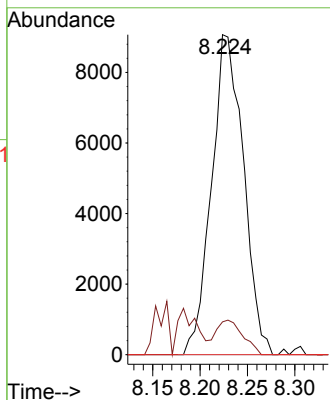
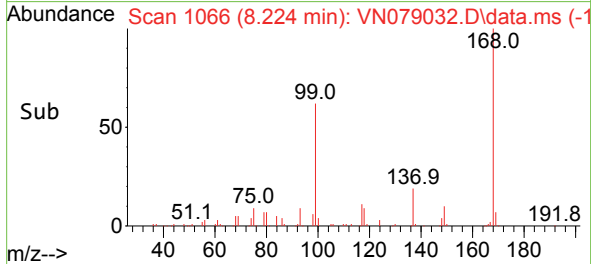


#36
 1,1-Dichloropropene
 Concen: 4.676 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN079032.D
 Acq: 24 Aug 2023 15:29

Instrument :
 MSVOA_N
 ClientSampleId :

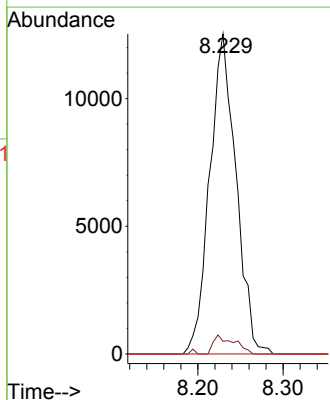
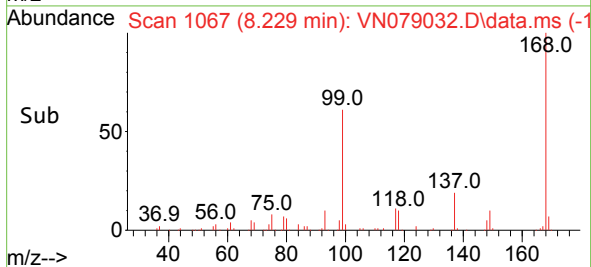
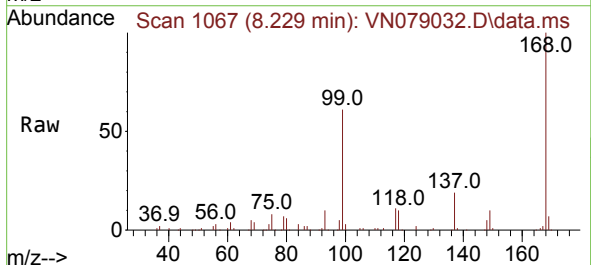


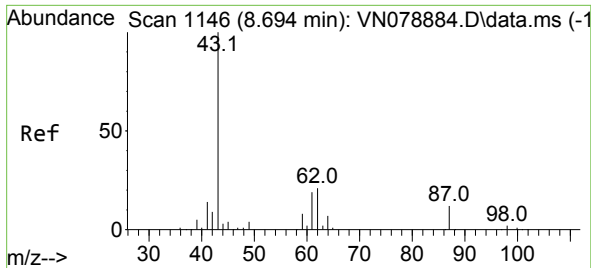
Tgt Ion: 75 Resp: 21280
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.1 57.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.891 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.142 min
 Lab File: VN079032.D
 Acq: 24 Aug 2023 15:29

Tgt Ion: 117 Resp: 26865
 Ion Ratio Lower Upper
 117 100
 119 3.9 77.3 115.9#
 121 0.0 23.3 34.9#

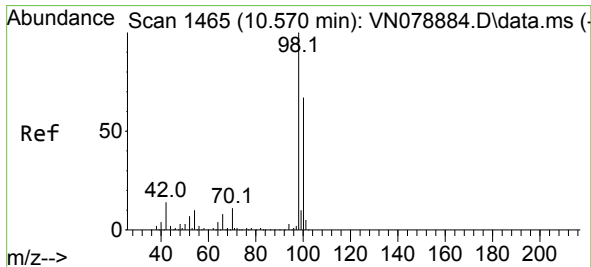
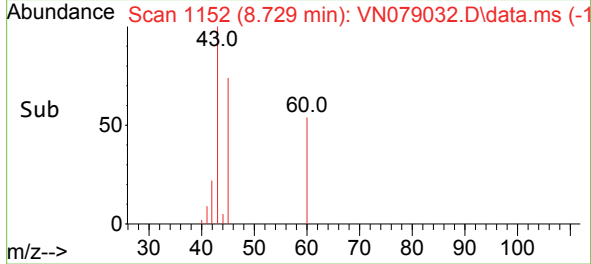
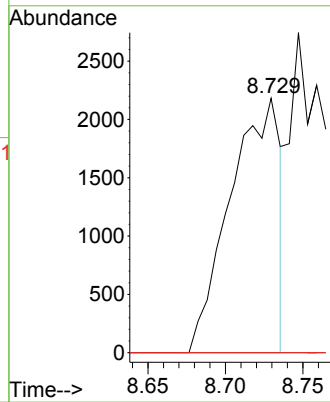
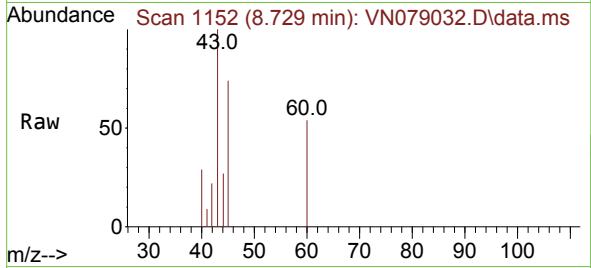




#43
Isopropyl Acetate
Concen: 0.543 ug/l
RT: 8.729 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

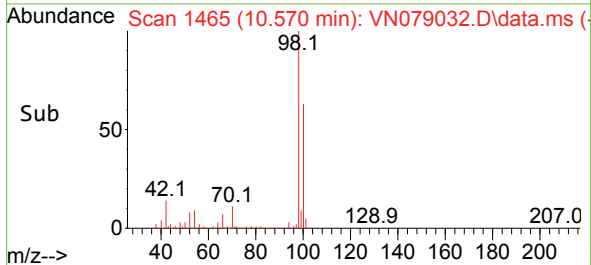
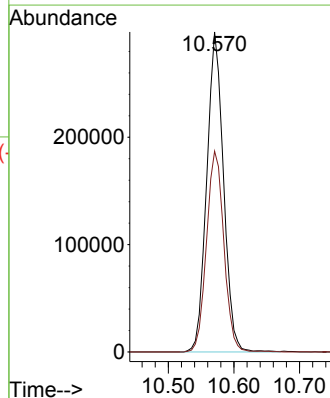
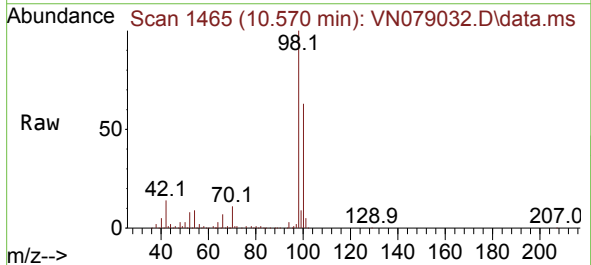
Instrument :
MSVOA_N
ClientSampleId :

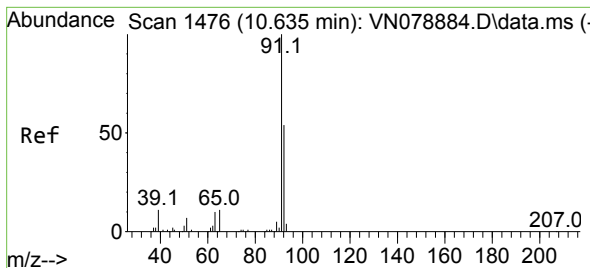
Tgt Ion: 43 Resp: 4890
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 47.288 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Tgt Ion: 98 Resp: 531256
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0





#52

Toluene

Concen: 0.267 ug/l

RT: 10.641 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VN079032.D

Acq: 24 Aug 2023 15:29

Instrument :

MSVOA_N

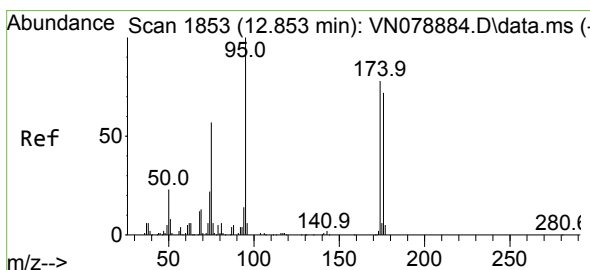
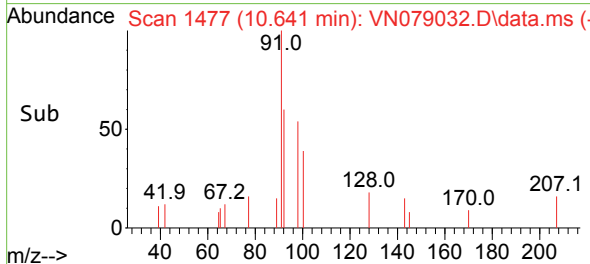
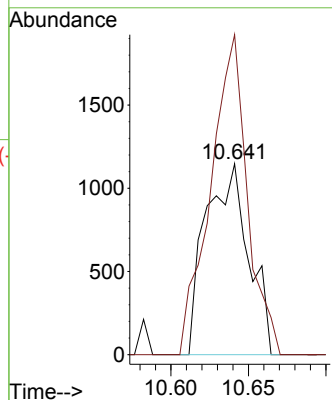
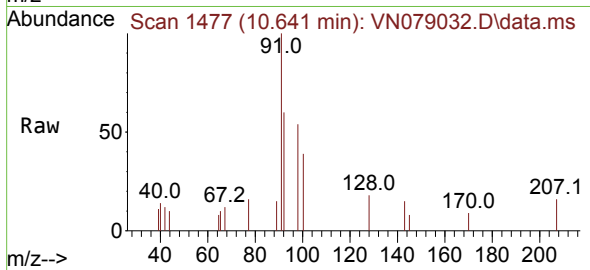
ClientSampleId :

Tgt Ion: 92 Resp: 2206

Ion Ratio Lower Upper

92 100

91 144.0 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 52.466 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079032.D

Acq: 24 Aug 2023 15:29

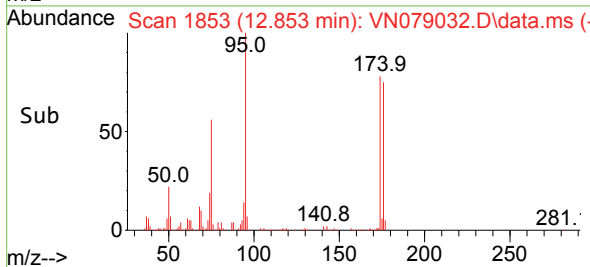
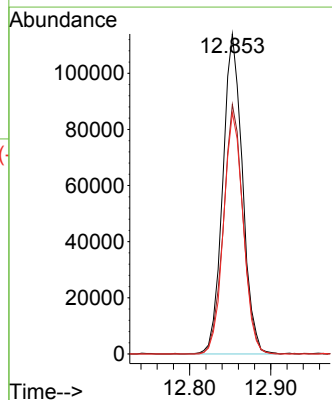
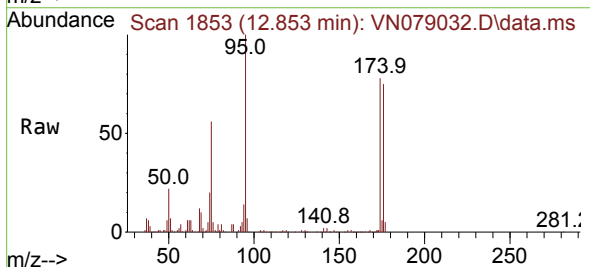
Tgt Ion: 95 Resp: 192661

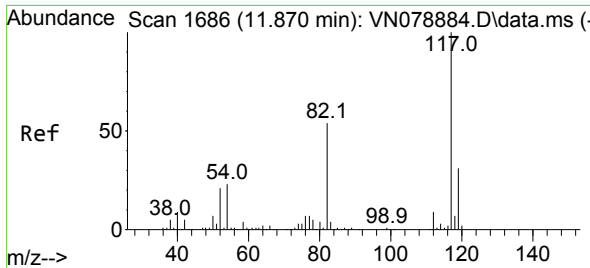
Ion Ratio Lower Upper

95 100

174 77.8 0.0 143.8

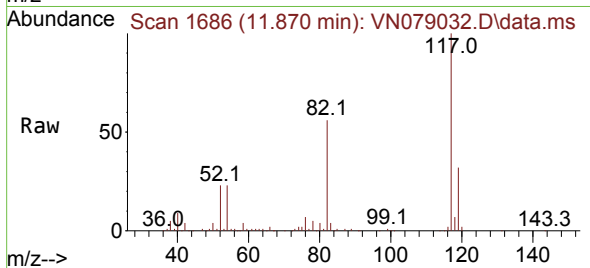
176 74.8 0.0 135.8



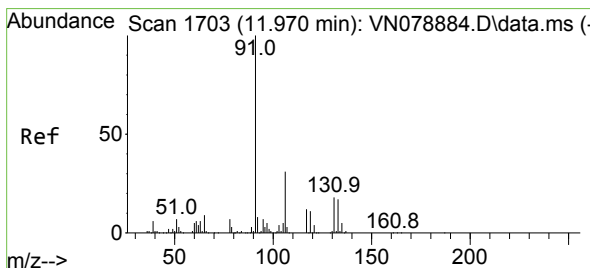
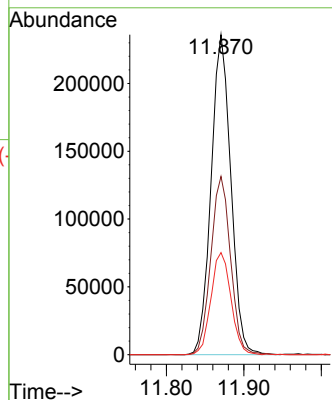
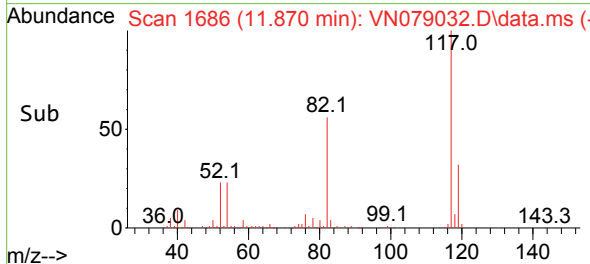


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :

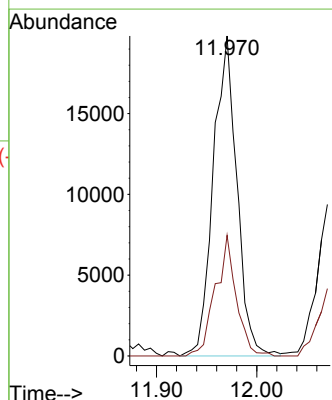
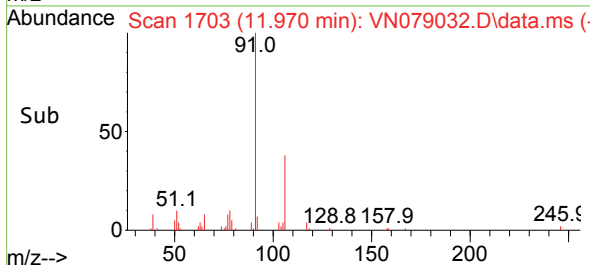
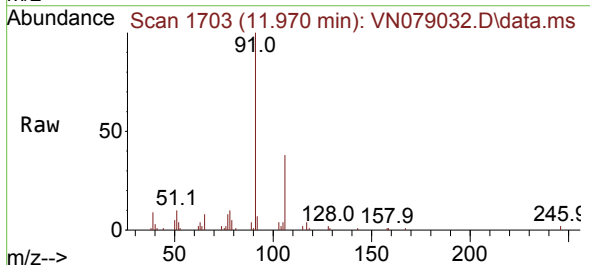


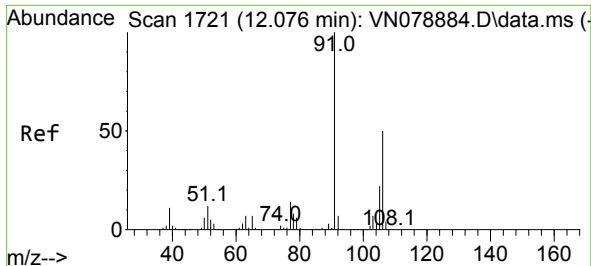
Tgt Ion:117 Resp: 418253
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 31.9 25.6 38.4



#67
Ethyl Benzene
Concen: 2.004 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Tgt Ion: 91 Resp: 32452
Ion Ratio Lower Upper
91 100
106 37.7 25.6 38.4

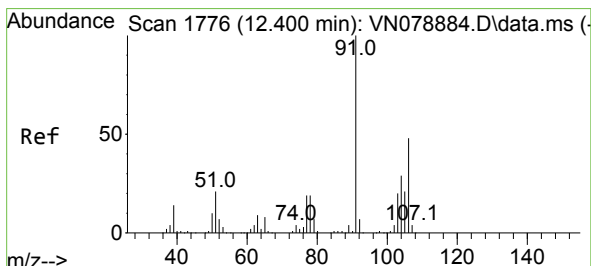
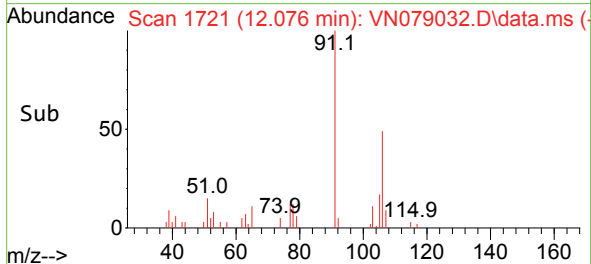
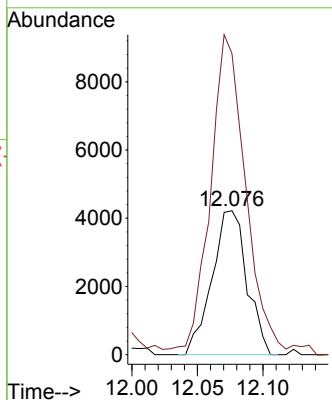
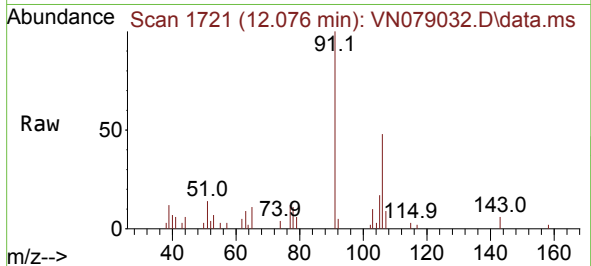




#68
m/p-Xylenes
Concen: 1.291 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

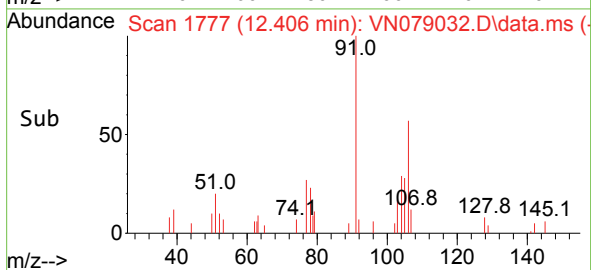
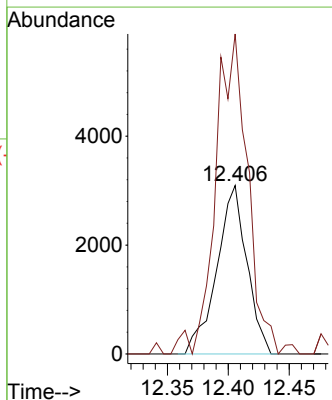
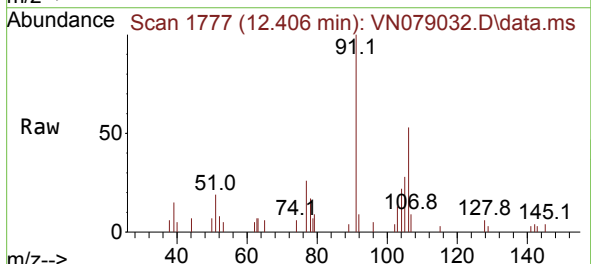
Instrument :
MSVOA_N
ClientSampleId :

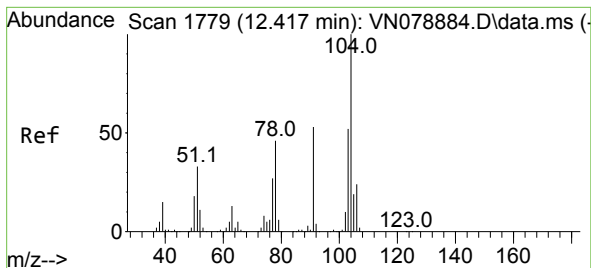
Tgt Ion:106 Resp: 7812
Ion Ratio Lower Upper
106 100
91 214.8 159.6 239.4



#69
o-Xylene
Concen: 0.904 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Tgt Ion:106 Resp: 5323
Ion Ratio Lower Upper
106 100
91 203.9 105.2 315.5





#70

Styrene

Concen: 0.399 ug/l

RT: 12.423 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN079032.D

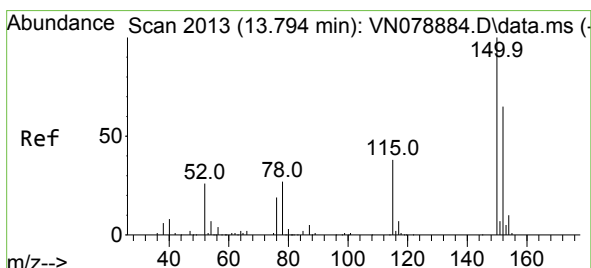
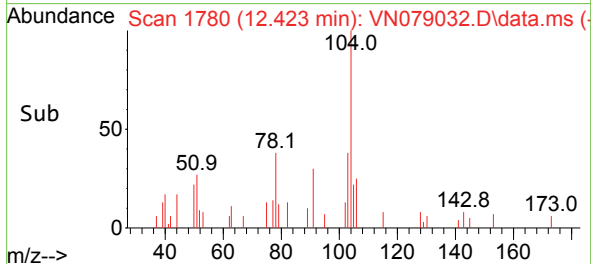
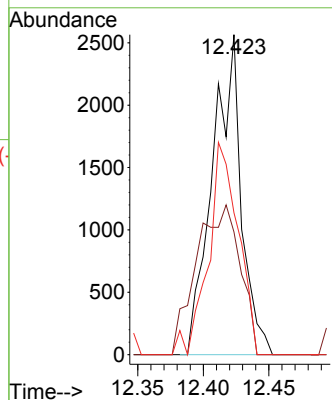
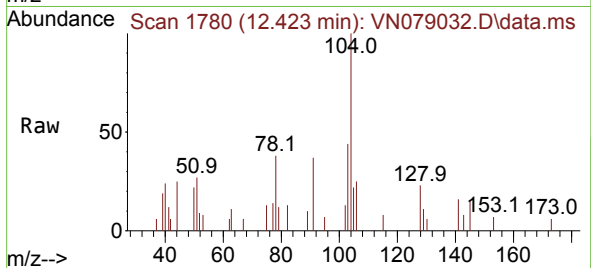
Acq: 24 Aug 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:104	Resp:	3919
Ion Ratio	Lower	Upper
104	100	
78	71.0	39.5 59.3#
103	68.8	43.2 64.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

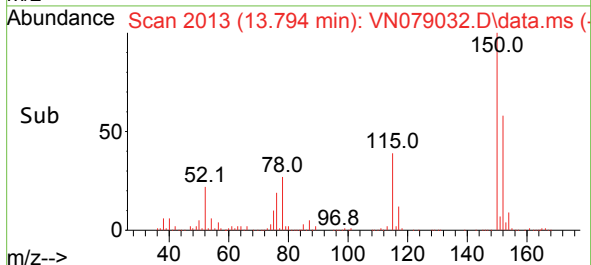
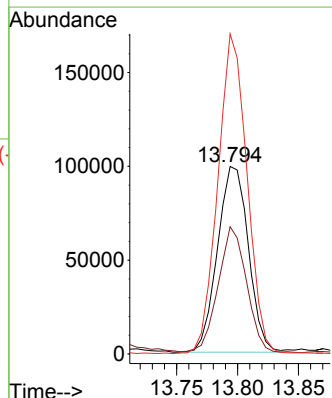
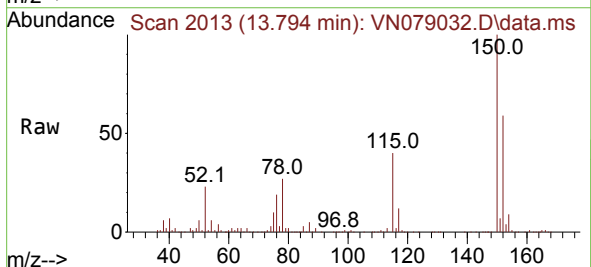
RT: 13.794 min Scan# 2013

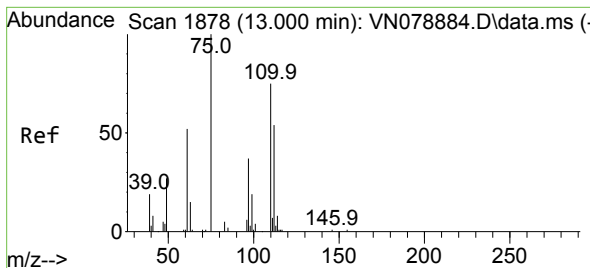
Delta R.T. -0.000 min

Lab File: VN079032.D

Acq: 24 Aug 2023 15:29

Tgt Ion:152	Resp:	174972
Ion Ratio	Lower	Upper
152	100	
115	62.3	32.3 96.8
150	163.6	0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 25.492 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079032.D

Acq: 24 Aug 2023 15:29

Instrument :

MSVOA_N

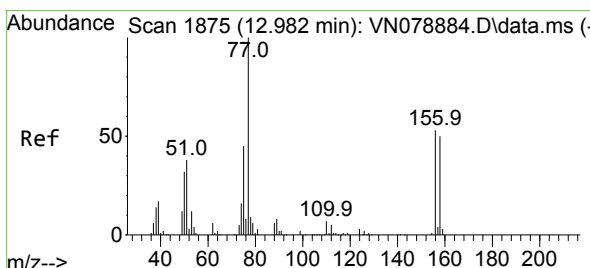
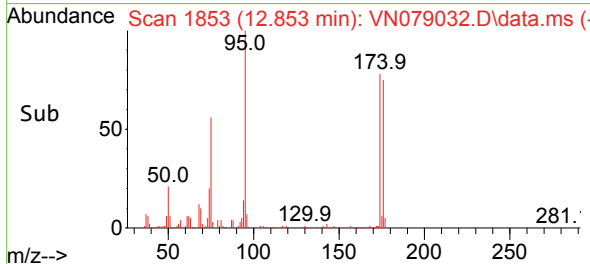
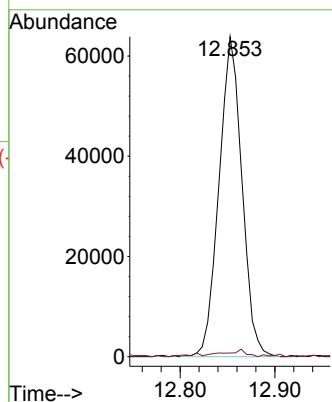
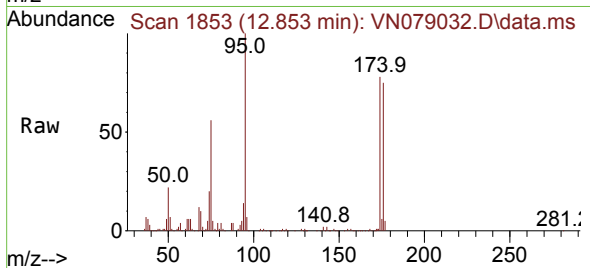
ClientSampleId :

Tgt Ion: 75 Resp: 107472

Ion Ratio Lower Upper

75 100

77 2.1 84.5 253.5#



#77

Bromobenzene

Concen: 0.259 ug/l

RT: 13.094 min Scan# 1894

Delta R.T. 0.112 min

Lab File: VN079032.D

Acq: 24 Aug 2023 15:29

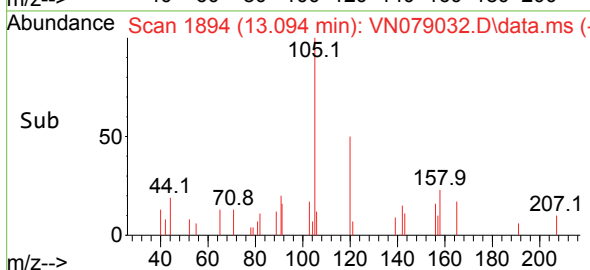
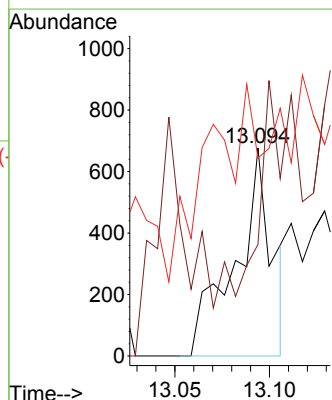
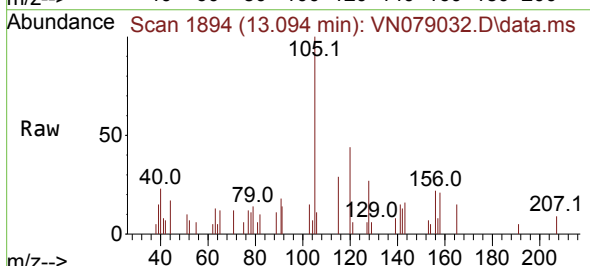
Tgt Ion: 156 Resp: 908

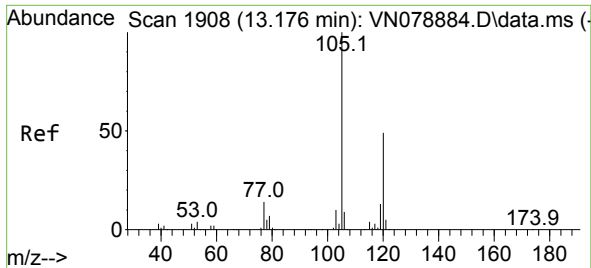
Ion Ratio Lower Upper

156 100

77 90.1 107.7 323.3#

158 0.0 48.4 145.3#

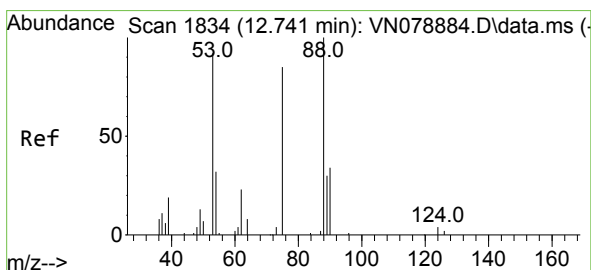
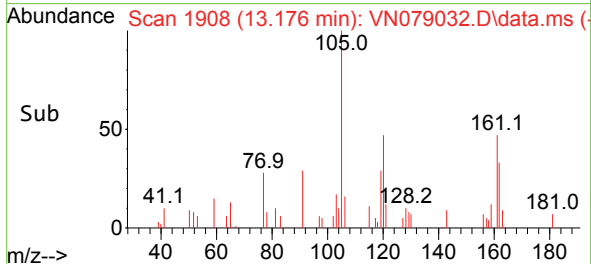
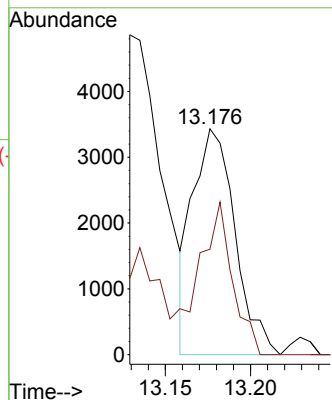
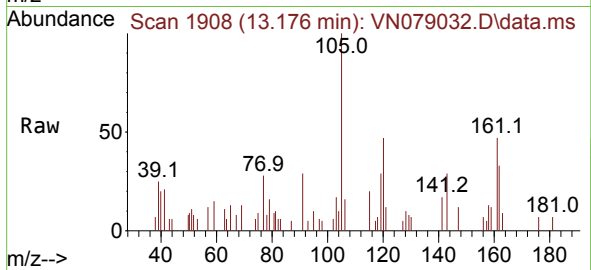




#80
 1,3,5-Trimethylbenzene
 Concen: 0.511 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN079032.D
 Acq: 24 Aug 2023 15:29

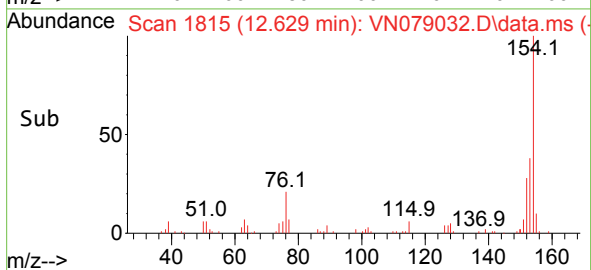
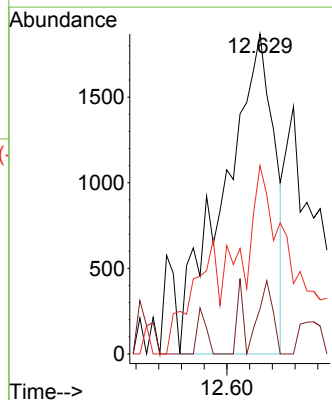
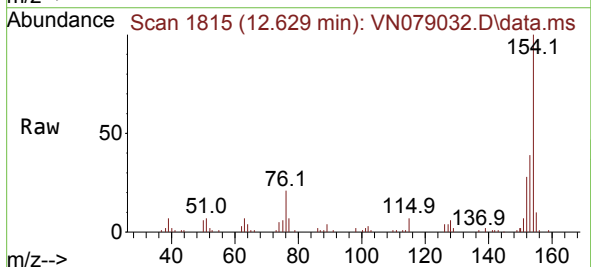
Instrument :
 MSVOA_N
 ClientSampleId :

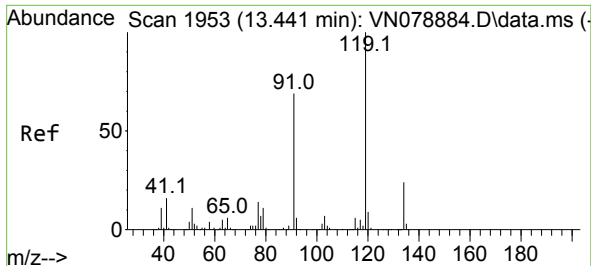
Tgt Ion:105 Resp: 5912
 Ion Ratio Lower Upper
 105 100
 120 46.8 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.488 ug/l
 RT: 12.629 min Scan# 1815
 Delta R.T. -0.112 min
 Lab File: VN079032.D
 Acq: 24 Aug 2023 15:29

Tgt Ion: 75 Resp: 5756
 Ion Ratio Lower Upper
 75 100
 53 6.7 67.4 101.2#
 89 35.7 38.8 58.2#

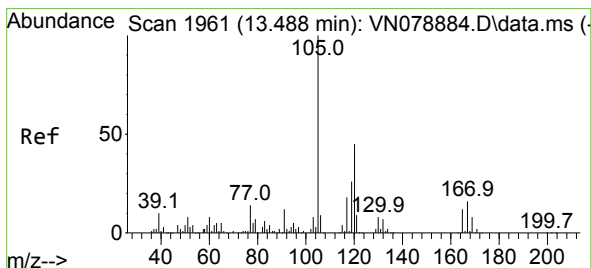
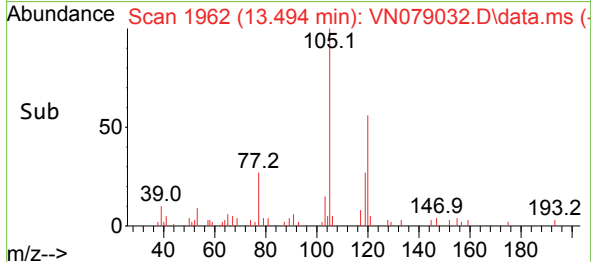
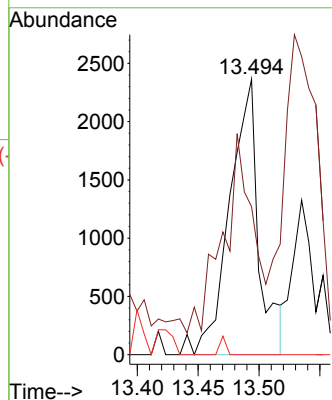
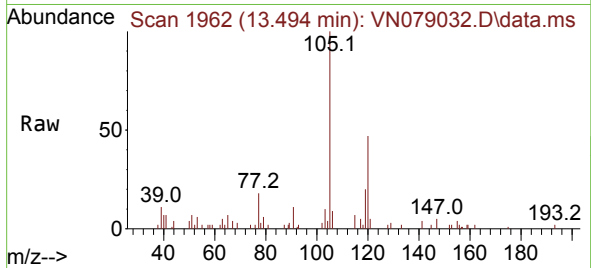




#83
tert-Butylbenzene
Concen: 0.407 ug/l
RT: 13.494 min Scan# 1953
Delta R.T. 0.053 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

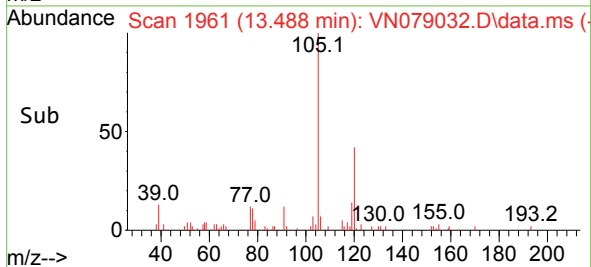
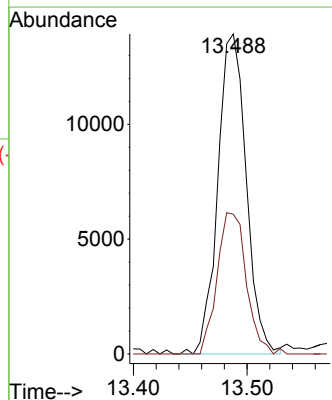
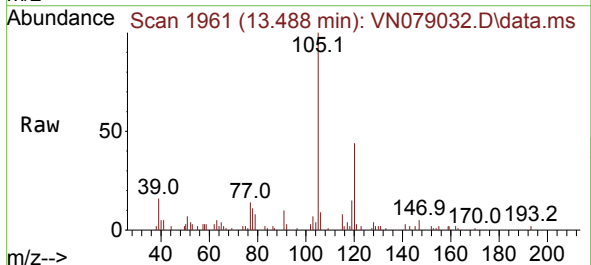
Instrument :
MSVOA_N
ClientSampleId :

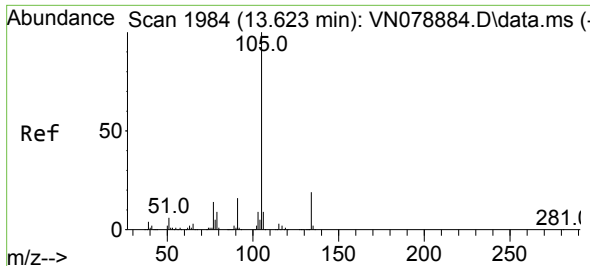
Tgt Ion:119 Resp: 3956
Ion Ratio Lower Upper
119 100
91 0.0 33.9 101.7#
134 0.0 13.2 39.6#



#84
1,2,4-Trimethylbenzene
Concen: 2.117 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Tgt Ion:105 Resp: 24233
Ion Ratio Lower Upper
105 100
120 45.2 22.0 66.0

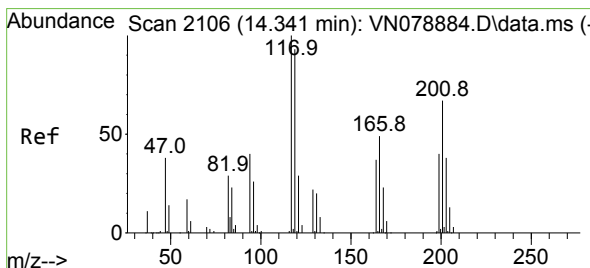
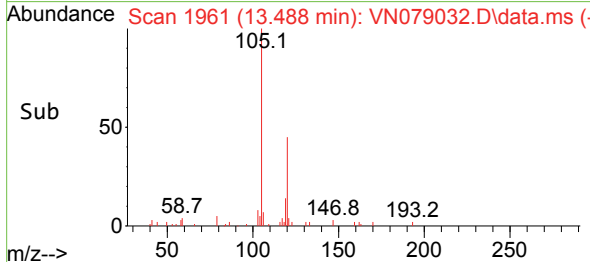
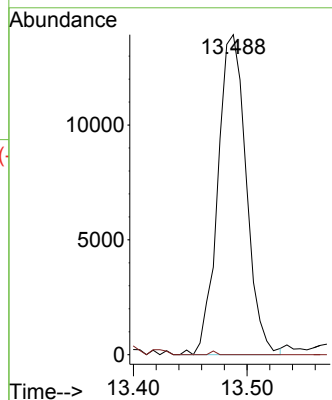
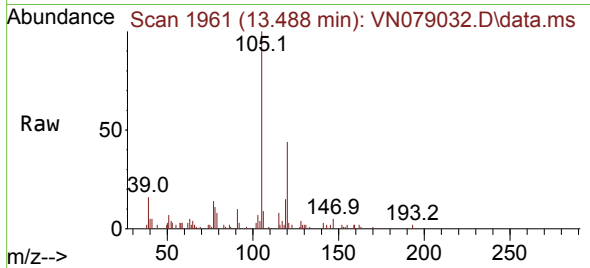




#85
 sec-Butylbenzene
 Concen: 1.813 ug/l
 RT: 13.488 min Scan# 1984
 Delta R.T. -0.135 min
 Lab File: VN079032.D
 Acq: 24 Aug 2023 15:29

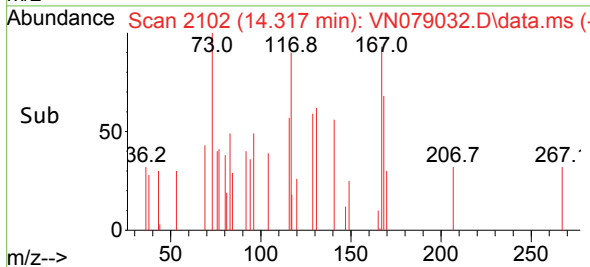
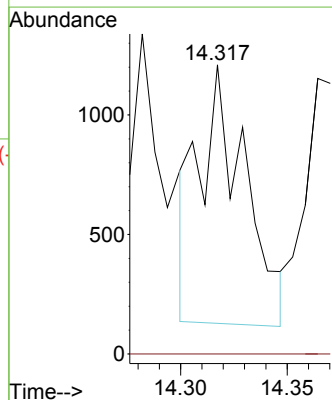
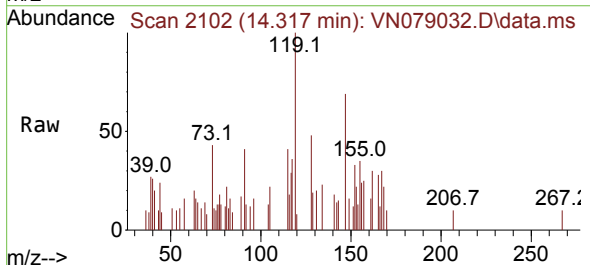
Instrument :
 MSVOA_N
 ClientSampleId :

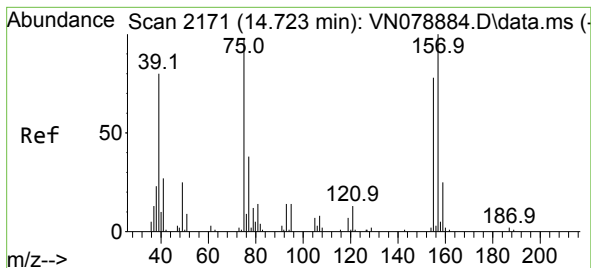
Tgt Ion:105 Resp: 24233
 Ion Ratio Lower Upper
 105 100
 134 0.2 9.8 29.3#



#90
 Hexachloroethane
 Concen: 0.751 ug/l
 RT: 14.317 min Scan# 2102
 Delta R.T. -0.018 min
 Lab File: VN079032.D
 Acq: 24 Aug 2023 15:29

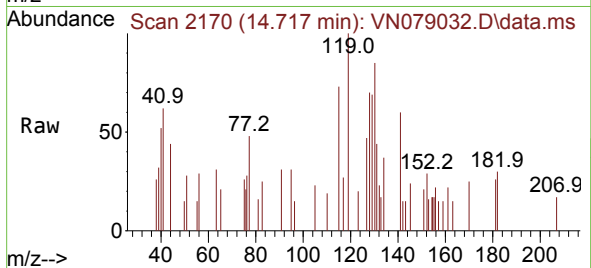
Tgt Ion:117 Resp: 1609
 Ion Ratio Lower Upper
 117 100
 201 0.0 29.3 88.0#



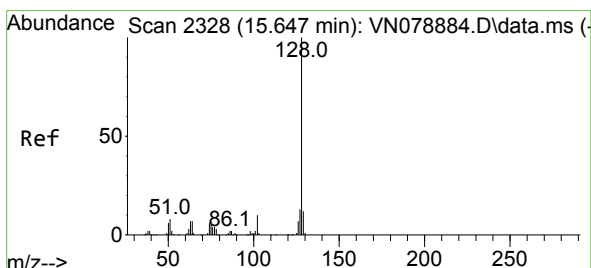
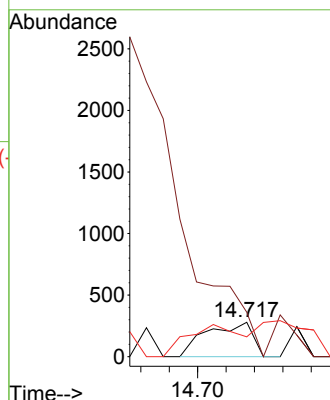
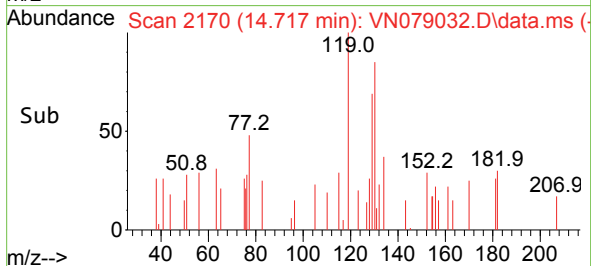


#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.717 min Scan# 2171
Delta R.T. -0.006 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 313
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#



#95
Naphthalene
Concen: 106.976 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079032.D
Acq: 24 Aug 2023 15:29

Tgt Ion: 128 Resp: 887506
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 11.2 8.7 13.1

