

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082423\
 Data File : VN079042.D
 Acq On : 24 Aug 2023 19:31
 Operator : JC\MD
 Sample : 04093-01DL 200X
 Misc : 6.84g/5.0mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 25 02:58:36 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)

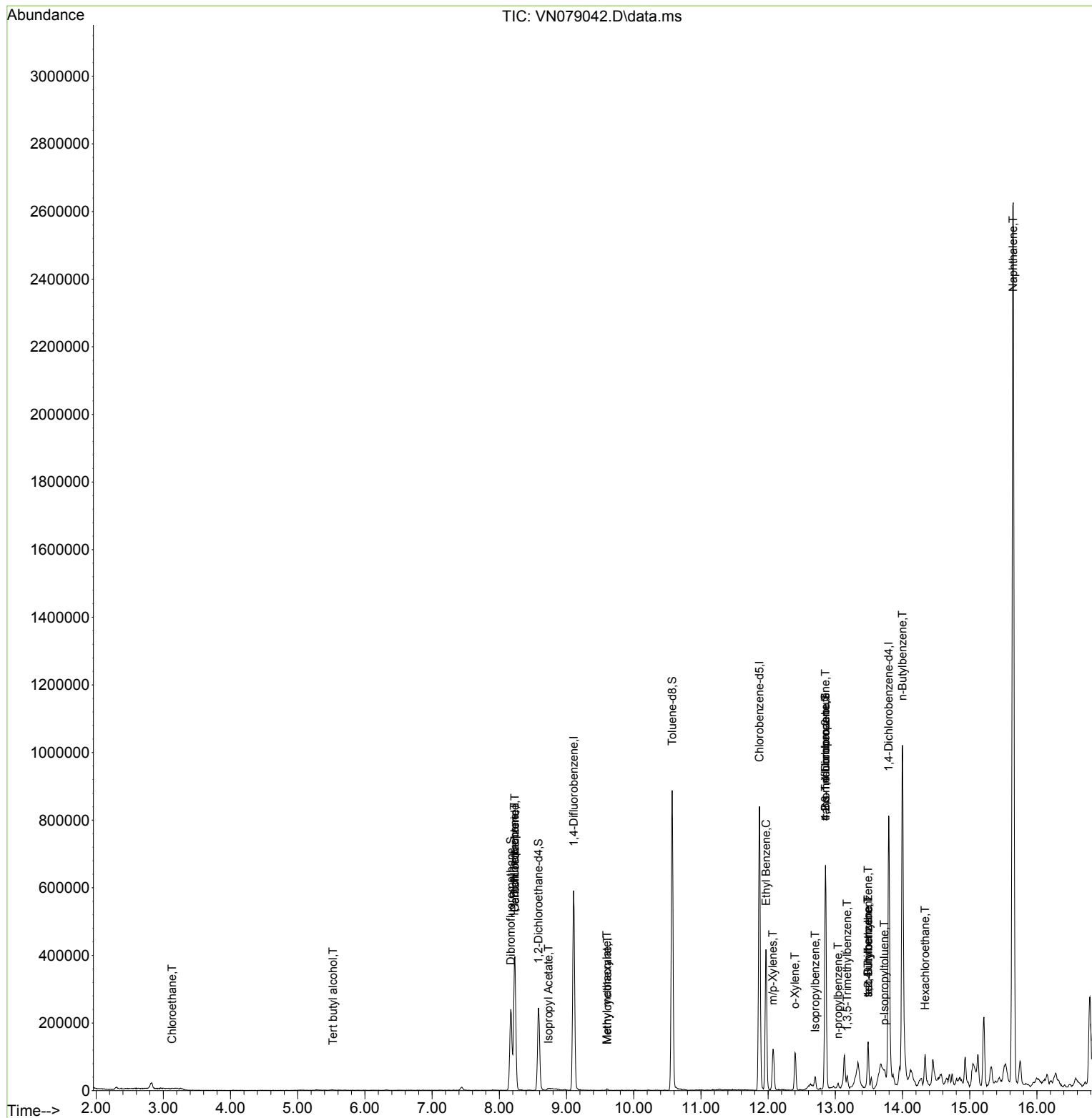
Internal Standards						
1) Pentafluorobenzene	8.230	168	294161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	512142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	473403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	191637	41.866	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.740%		
35) Dibromofluoromethane	8.171	113	168631	48.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.820%		
50) Toluene-d8	10.571	98	606470	47.378	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.760%		
62) 4-Bromofluorobenzene	12.853	95	218866	52.310	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.620%		
Target Compounds					Qvalue	
6) Chloroethane	3.130	64	1021	0.292	ug/l #	43
11) Tert butyl alcohol	5.524	59	756	0.984	ug/l #	72
31) Cyclohexane	8.230	56	7775	Below Cal	#	51
36) 1,1-Dichloropropene	8.224	75	24037	4.635	ug/l #	42
38) Carbon Tetrachloride	8.230	117	30377	5.846	ug/l #	17
39) Methylcyclohexane	9.606	83	1743	0.365	ug/l #	72
43) Isopropyl Acetate	8.730	43	3316	0.323	ug/l #	49
48) Methyl methacrylate	9.600	41	935	0.201	ug/l #	33
67) Ethyl Benzene	11.971	91	305871	16.691	ug/l	97
68) m/p-Xylenes	12.071	106	40143	5.859	ug/l	97
69) o-Xylene	12.400	106	30155	4.524	ug/l	93
73) Isopropylbenzene	12.700	105	22262	1.300	ug/l	90
76) 1,2,3-Trichloropropane	12.853	75	122213	24.694	ug/l #	1
78) n-propylbenzene	13.041	91	9605	0.484	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	15893	1.171	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.853	75	122213	63.083	ug/l #	15
83) tert-Butylbenzene	13.488	119	9634	0.845	ug/l #	54
84) 1,2,4-Trimethylbenzene	13.488	105	72948	5.428	ug/l	95
85) sec-Butylbenzene	13.488	105	72948	4.648	ug/l #	57
86) p-Isopropyltoluene	13.729	119	6057	0.483	ug/l #	70
89) n-Butylbenzene	14.000	91	90319	8.753	ug/l #	42
90) Hexachloroethane	14.335	117	5497	2.187	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.747	75	758	Below Cal	#	13
95) Naphthalene	15.647	128	2409709	244.049	ug/l	99

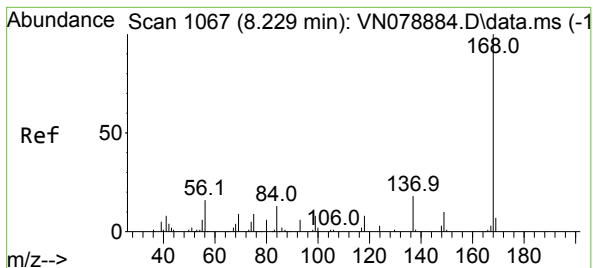
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082423\
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Quant Title : SW846 8260
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: VN079042.D

Acq: 24 Aug 2023 19:31

Instrument :

MSVOA_N

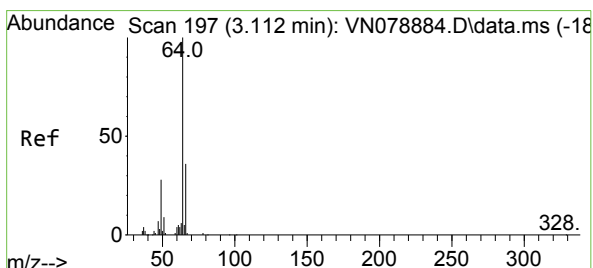
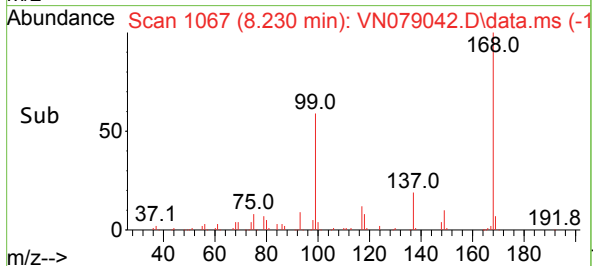
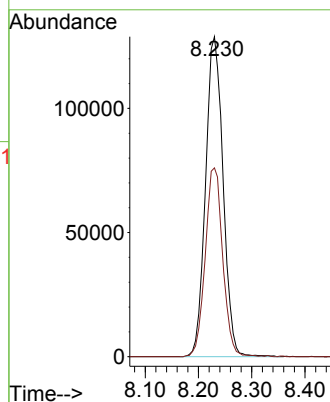
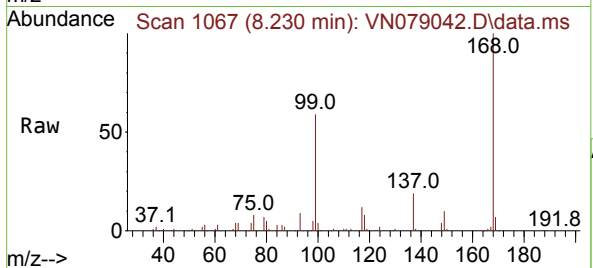
ClientSampleId :

Tgt Ion:168 Resp: 294161

Ion Ratio Lower Upper

168 100

99 59.0 53.0 79.6



#6

Chloroethane

Concen: 0.292 ug/l

RT: 3.130 min Scan# 200

Delta R.T. 0.012 min

Lab File: VN079042.D

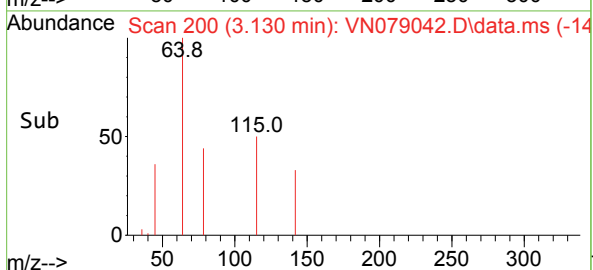
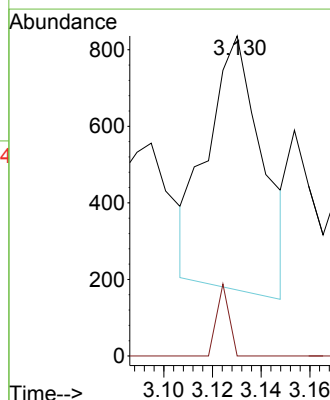
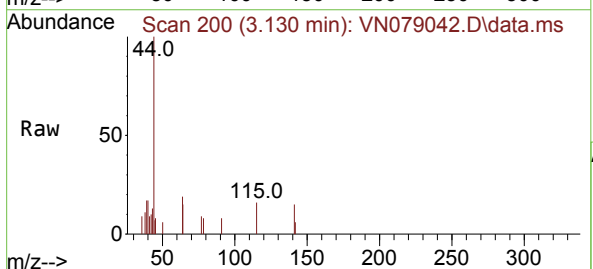
Acq: 24 Aug 2023 19:31

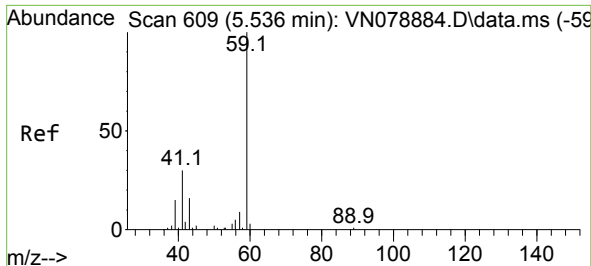
Tgt Ion: 64 Resp: 1021

Ion Ratio Lower Upper

64 100

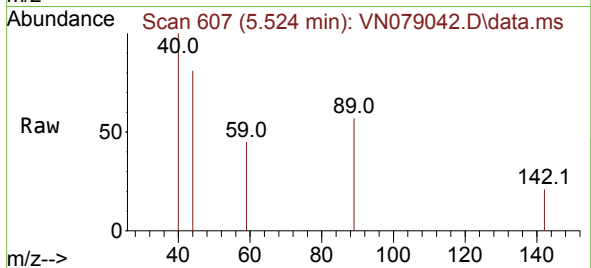
66 0.0 25.4 38.2#



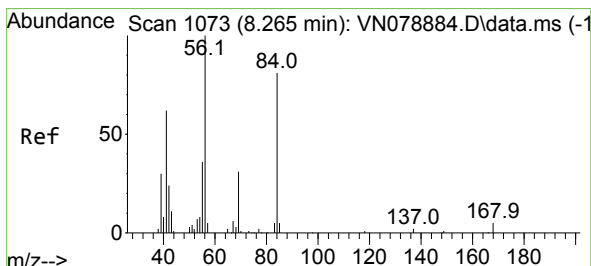
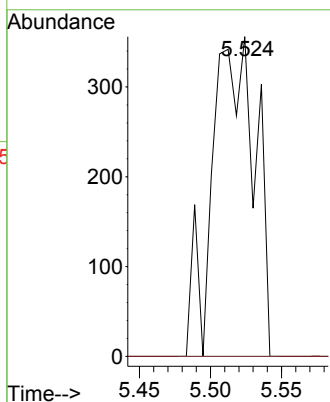
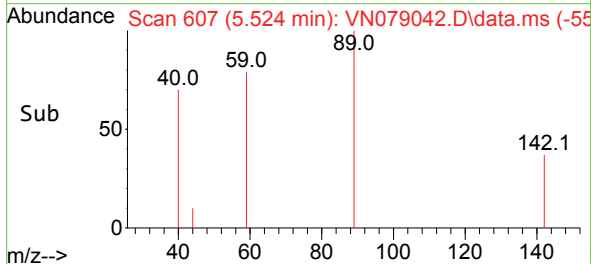


#11
Tert butyl alcohol
Concen: 0.984 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

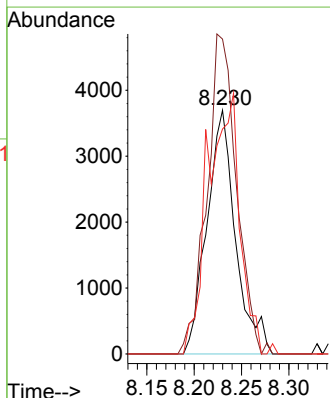
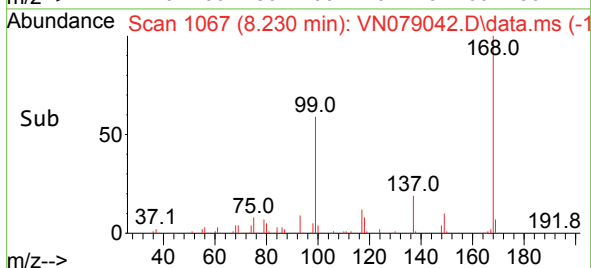
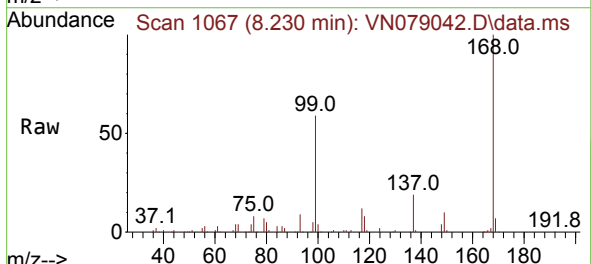


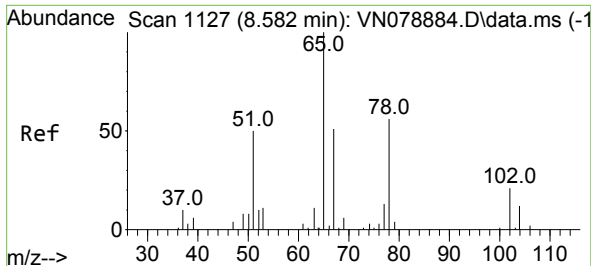
Tgt Ion: 59 Resp: 756
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Tgt Ion: 56 Resp: 7775
Ion Ratio Lower Upper
56 100
69 129.2 26.8 40.2#
84 92.3 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 41.866 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079042.D

Acq: 24 Aug 2023 19:31

Instrument :

MSVOA_N

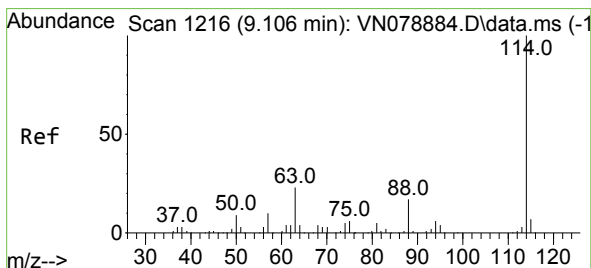
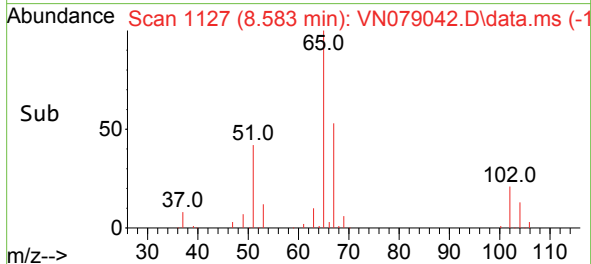
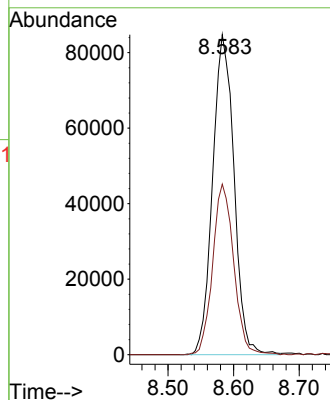
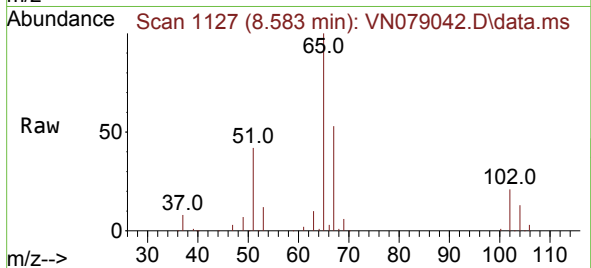
ClientSampleId :

Tgt Ion: 65 Resp: 191637

Ion Ratio Lower Upper

65 100

67 52.5 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: VN079042.D

Acq: 24 Aug 2023 19:31

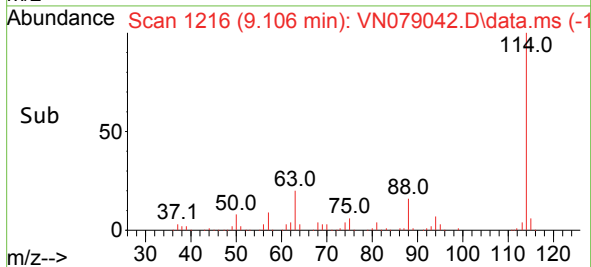
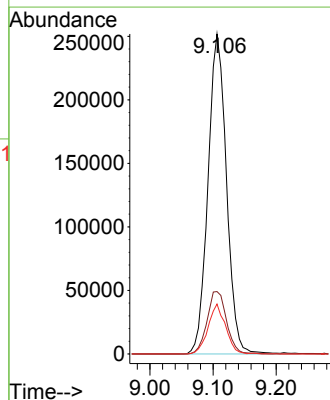
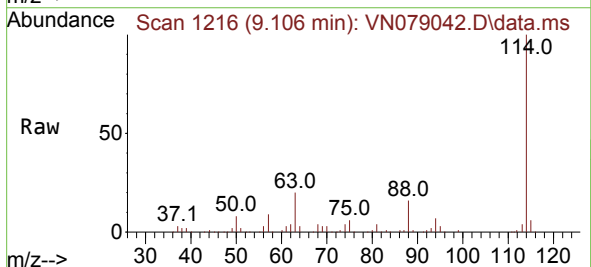
Tgt Ion: 114 Resp: 512142

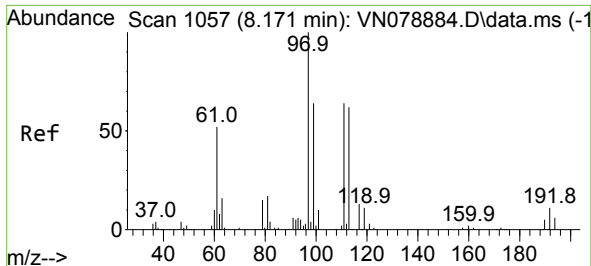
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

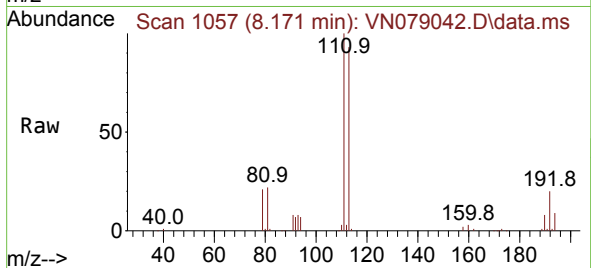
88 15.6 0.0 30.6



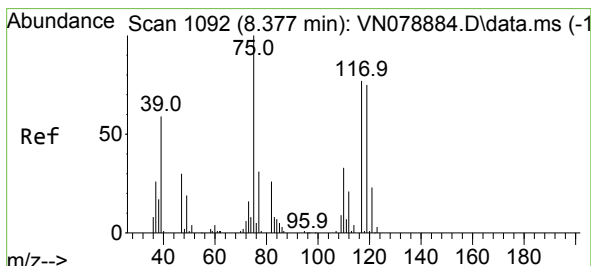
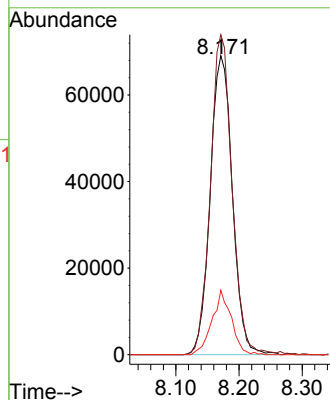
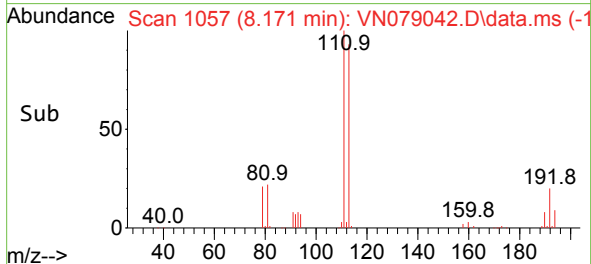


#35
Dibromofluoromethane
Concen: 48.914 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

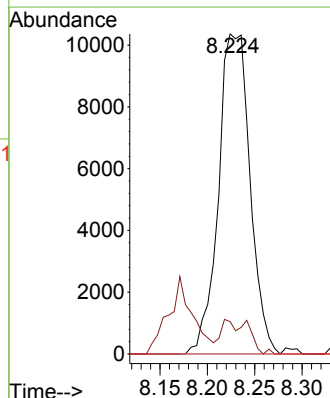
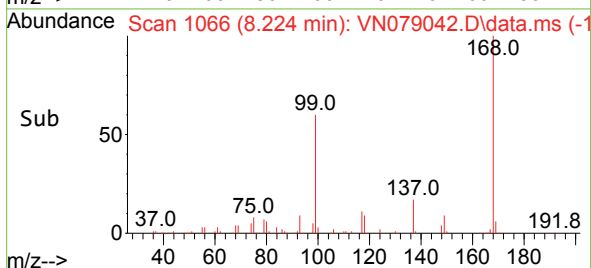
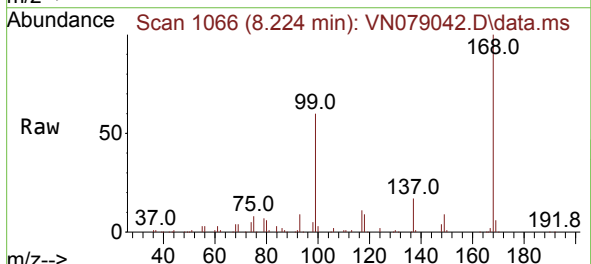


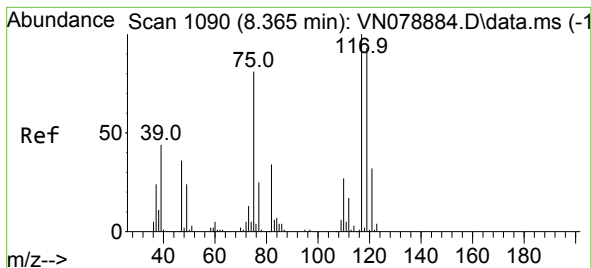
Tgt Ion:113 Resp: 168631
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 18.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.635 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Tgt Ion: 75 Resp: 24037
Ion Ratio Lower Upper
75 100
110 2.9 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.846 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

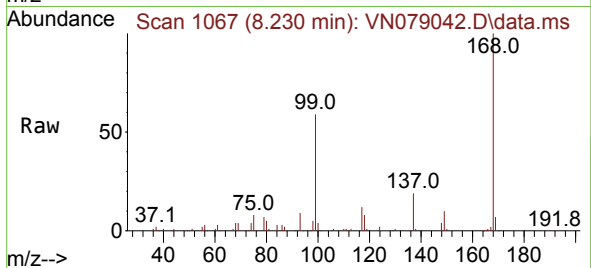
Lab File: VN079042.D

Acq: 24 Aug 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :



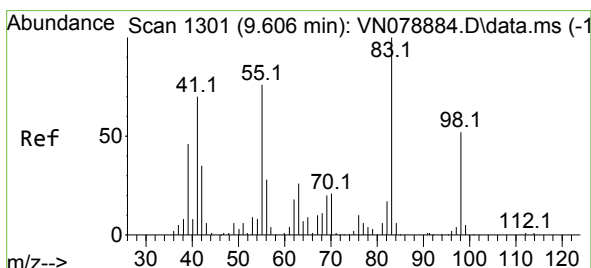
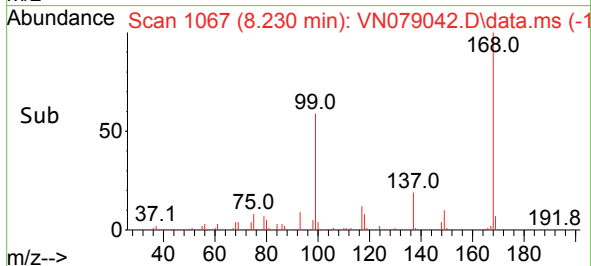
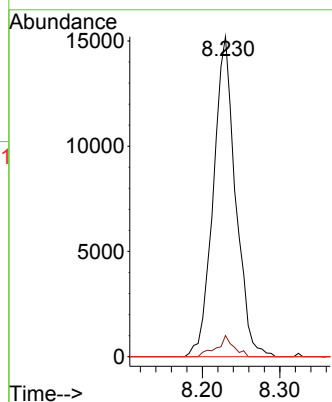
Tgt Ion:117 Resp: 30377

Ion Ratio Lower Upper

117 100

119 6.6 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 0.365 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN079042.D

Acq: 24 Aug 2023 19:31

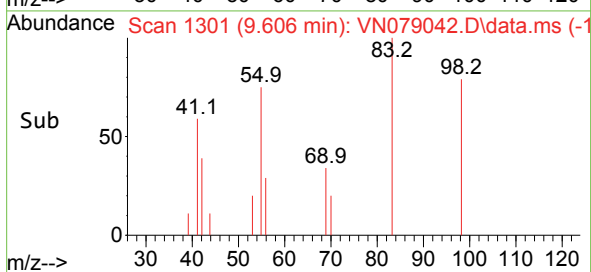
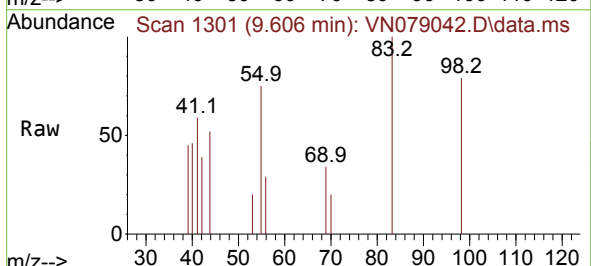
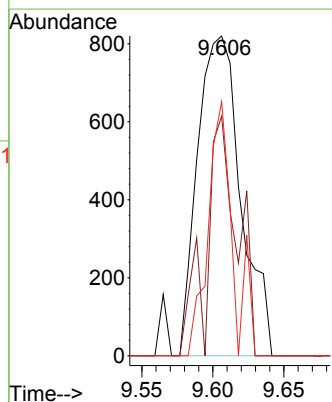
Tgt Ion: 83 Resp: 1743

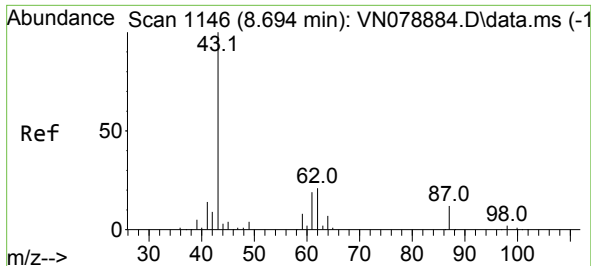
Ion Ratio Lower Upper

83 100

55 74.9 49.1 73.7#

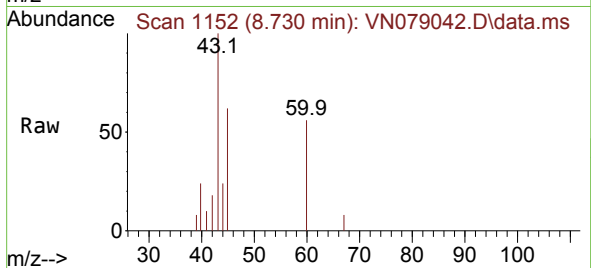
98 79.4 40.6 61.0#



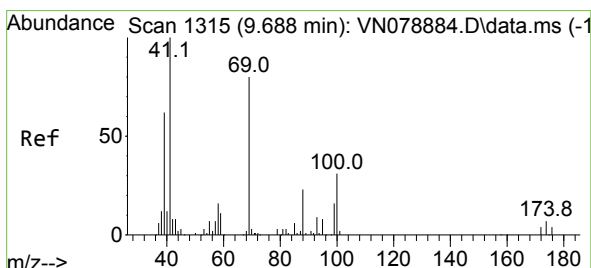
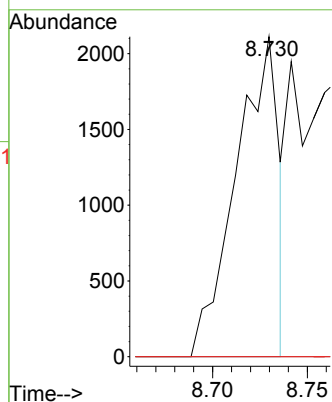
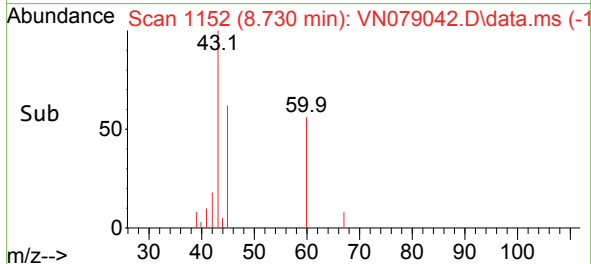


#43
Isopropyl Acetate
Concen: 0.323 ug/l
RT: 8.730 min Scan# 1146
Delta R.T. 0.036 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Instrument :
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ClientSampleId :

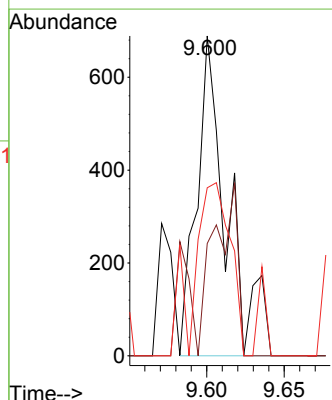
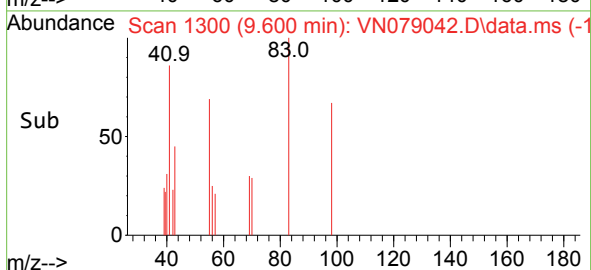
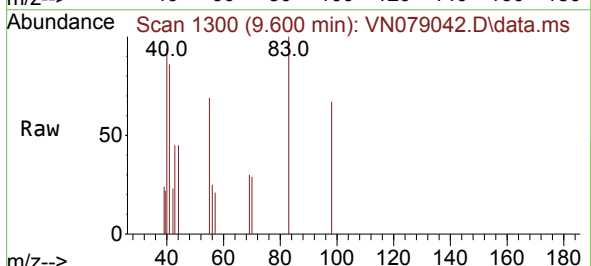


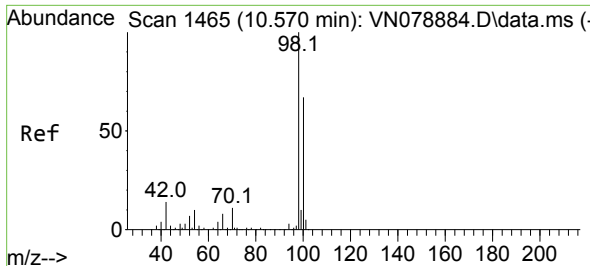
Tgt Ion: 43 Resp: 3316
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#48
Methyl methacrylate
Concen: 0.201 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.088 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

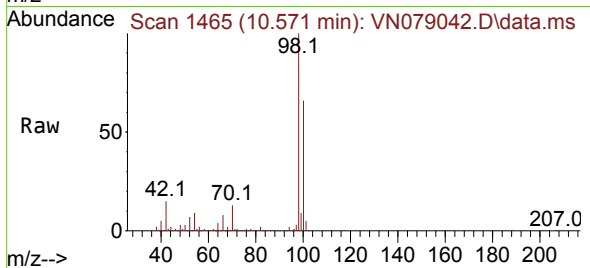
Tgt Ion: 41 Resp: 935
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 65.3 54.6 81.8



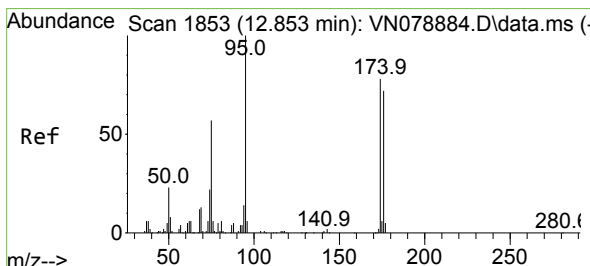
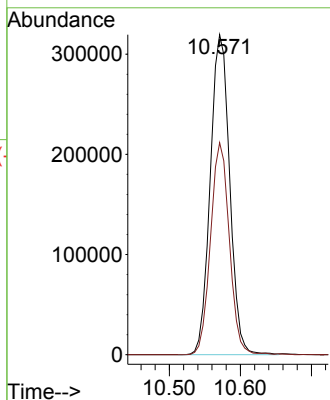
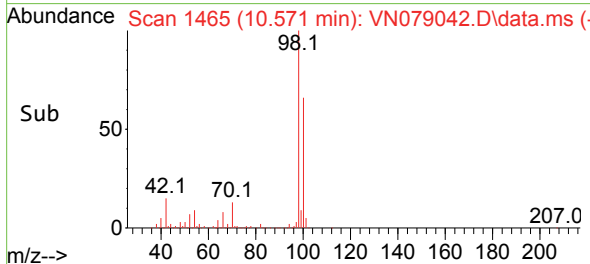


#50
Toluene-d8
Concen: 47.378 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

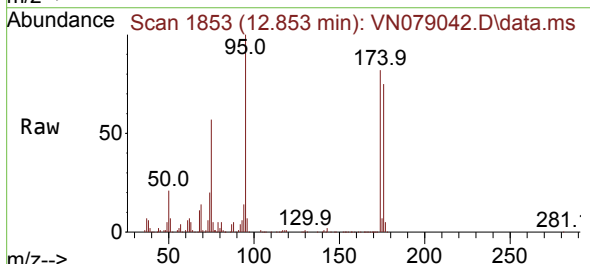
Instrument :
MSVOA_N
ClientSampleId :



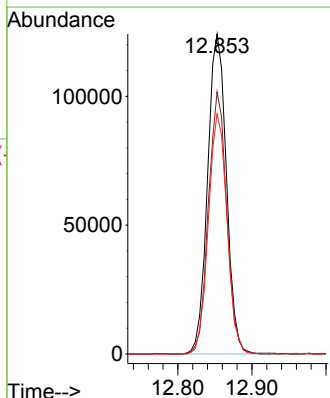
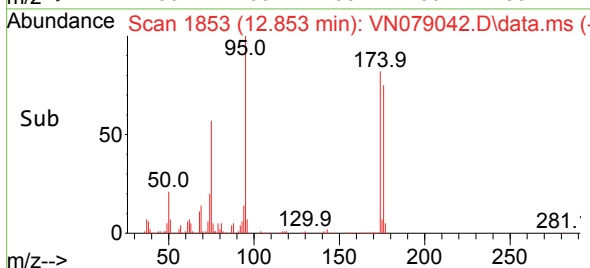
Tgt Ion: 98 Resp: 606470
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

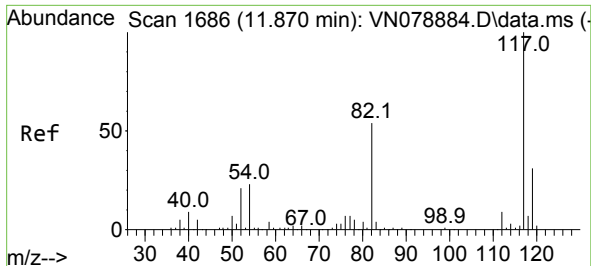


#62
4-Bromofluorobenzene
Concen: 52.310 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31



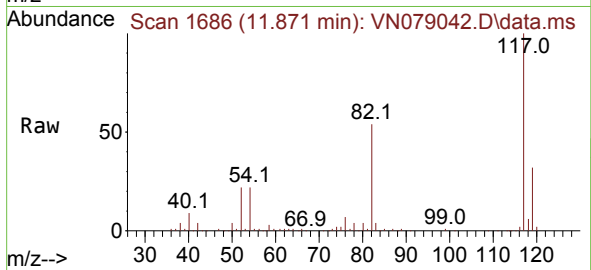
Tgt Ion: 95 Resp: 218866
Ion Ratio Lower Upper
95 100
174 79.4 0.0 143.8
176 74.1 0.0 135.8



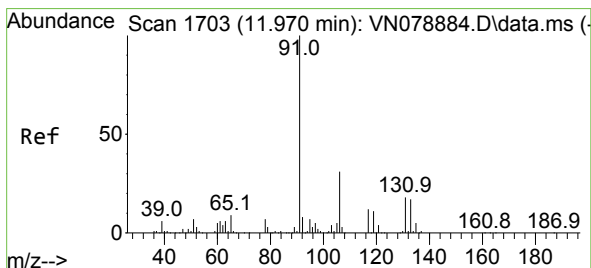
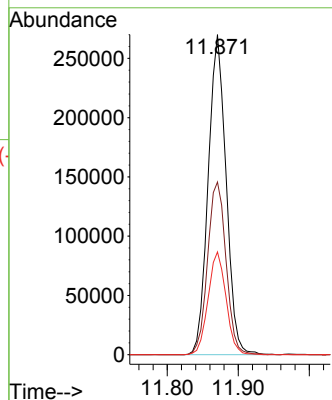
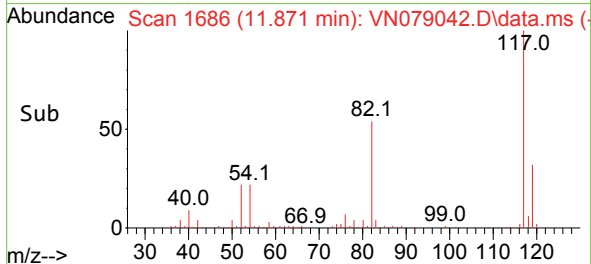


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

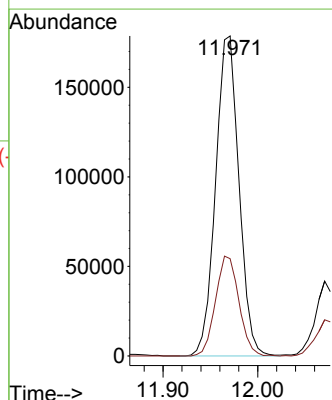
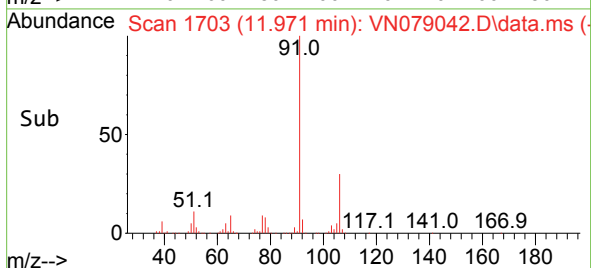
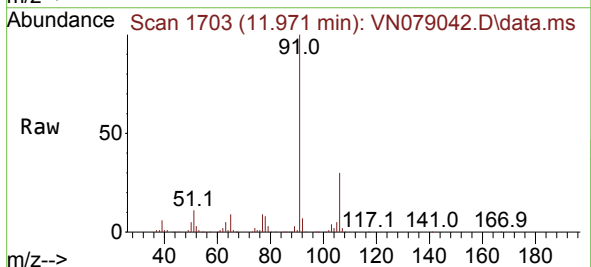


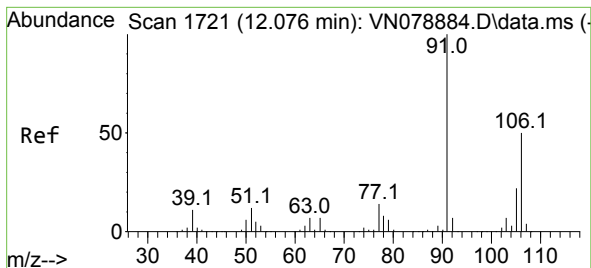
Tgt Ion:117 Resp: 473403
Ion Ratio Lower Upper
117 100
82 53.9 44.0 66.0
119 32.1 25.6 38.4



#67
Ethyl Benzene
Concen: 16.691 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Tgt Ion: 91 Resp: 305871
Ion Ratio Lower Upper
91 100
106 30.4 25.6 38.4





#68

m/p-Xylenes

Concen: 5.859 ug/l

RT: 12.071 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN079042.D

Acq: 24 Aug 2023 19:31

Instrument :

MSVOA_N

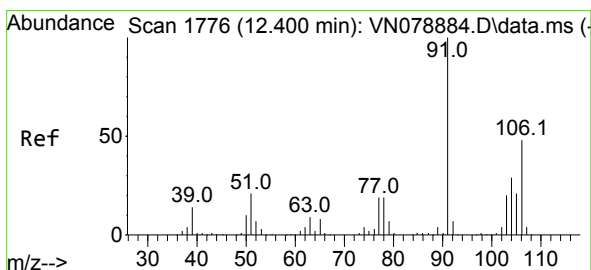
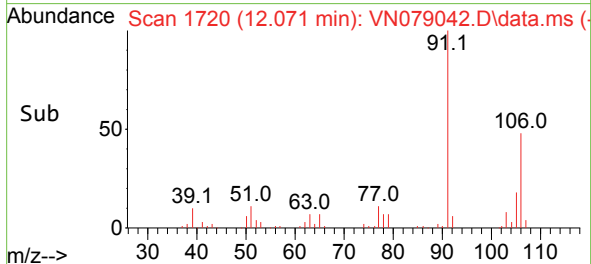
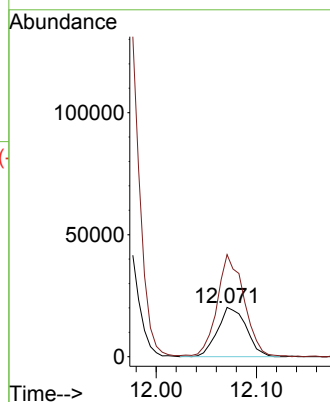
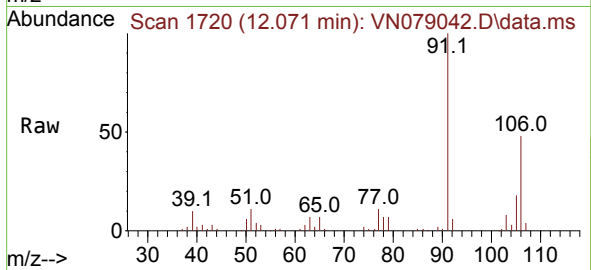
ClientSampleId :

Tgt Ion:106 Resp: 40143

Ion Ratio Lower Upper

106 100

91 195.6 159.6 239.4



#69

o-Xylene

Concen: 4.524 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN079042.D

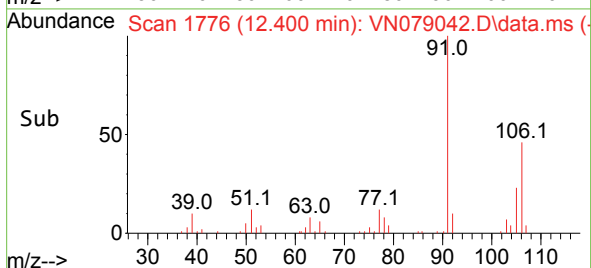
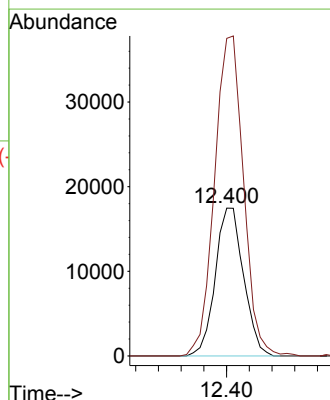
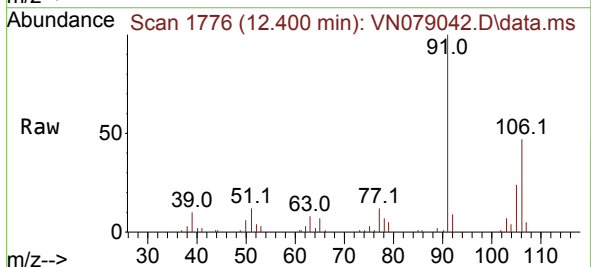
Acq: 24 Aug 2023 19:31

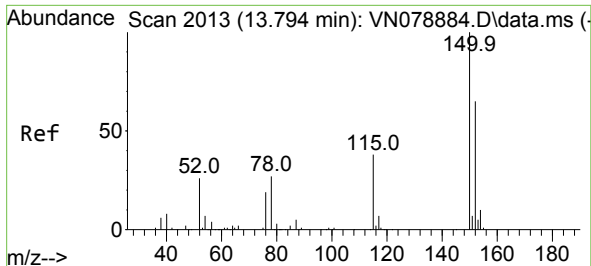
Tgt Ion:106 Resp: 30155

Ion Ratio Lower Upper

106 100

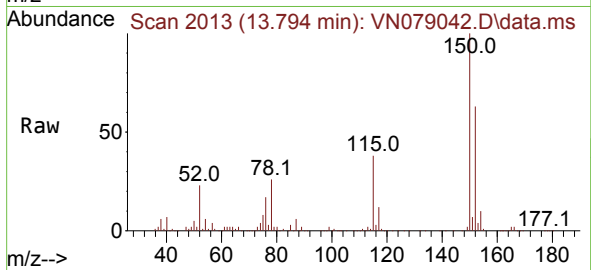
91 221.9 105.2 315.5



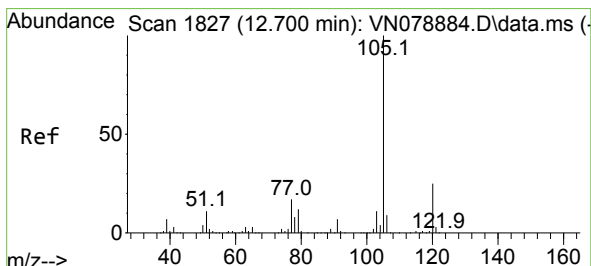
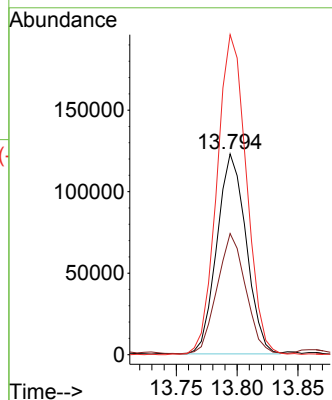
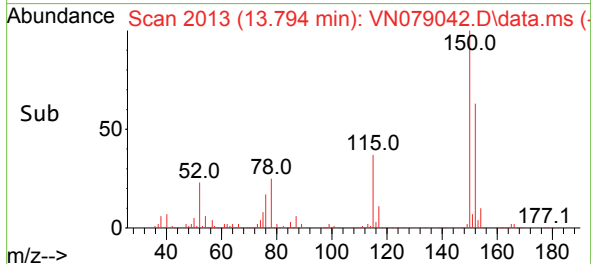


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN079042.D
 Acq: 24 Aug 2023 19:31

Instrument :
 MSVOA_N
 ClientSampleId :

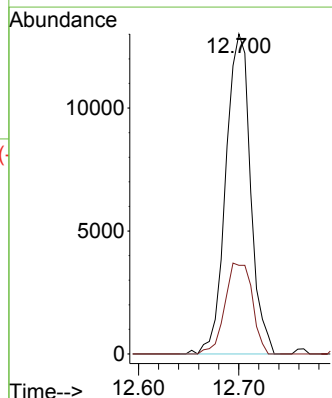
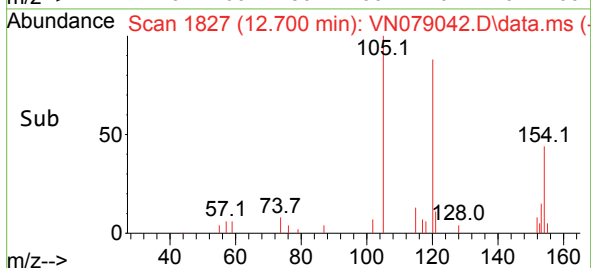
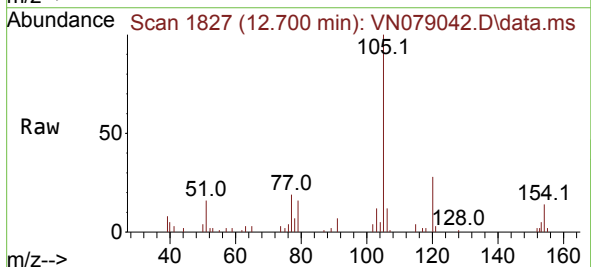


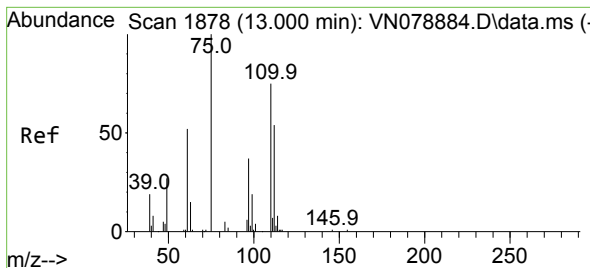
Tgt Ion:152 Resp: 205398
 Ion Ratio Lower Upper
 152 100
 115 58.3 32.3 96.8
 150 161.8 0.0 355.8



#73
 Isopropylbenzene
 Concen: 1.300 ug/l
 RT: 12.700 min Scan# 1827
 Delta R.T. 0.000 min
 Lab File: VN079042.D
 Acq: 24 Aug 2023 19:31

Tgt Ion:105 Resp: 22262
 Ion Ratio Lower Upper
 105 100
 120 31.3 13.1 39.1





#76

1,2,3-Trichloropropane

Concen: 24.694 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079042.D

Acq: 24 Aug 2023 19:31

Instrument :

MSVOA_N

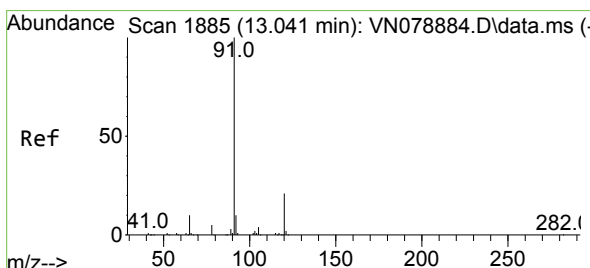
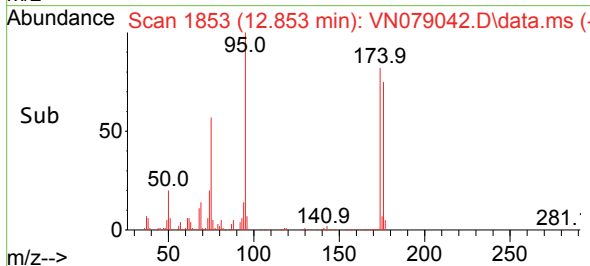
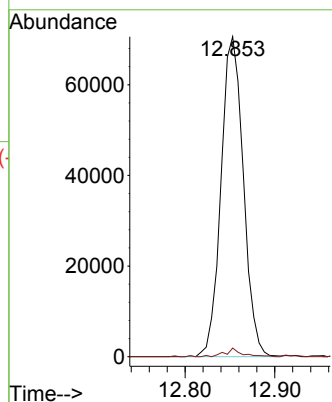
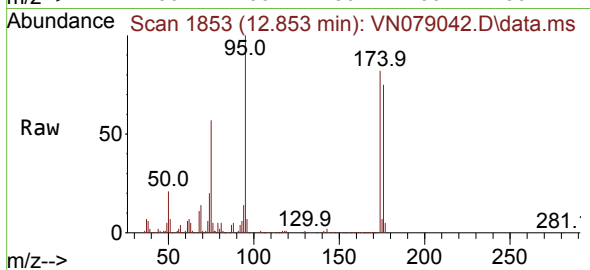
ClientSampleId :

Tgt Ion: 75 Resp: 122213

Ion Ratio Lower Upper

75 100

77 2.0 84.5 253.5#



#78

n-propylbenzene

Concen: 0.484 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN079042.D

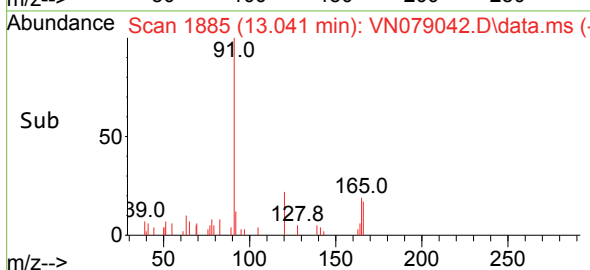
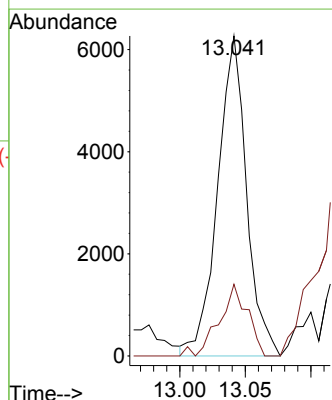
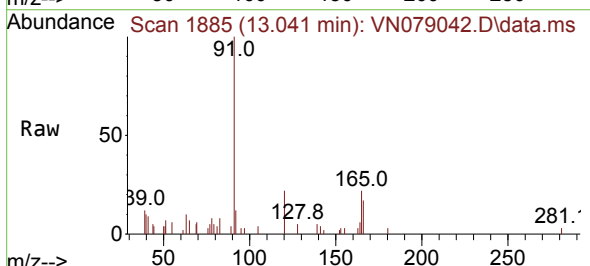
Acq: 24 Aug 2023 19:31

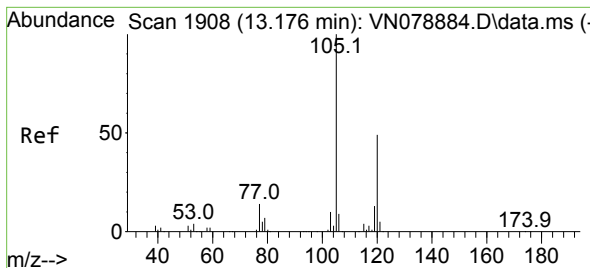
Tgt Ion: 91 Resp: 9605

Ion Ratio Lower Upper

91 100

120 21.9 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 1.171 ug/l

RT: 13.177 min Scan# 1908

Delta R.T. 0.001 min

Lab File: VN079042.D

Acq: 24 Aug 2023 19:31

Instrument :

MSVOA_N

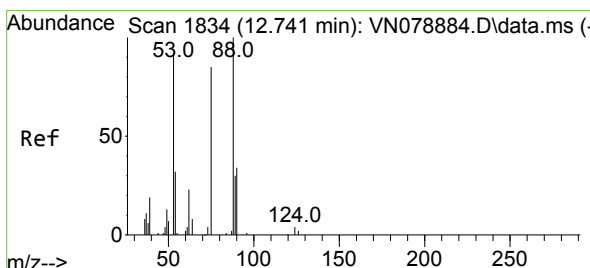
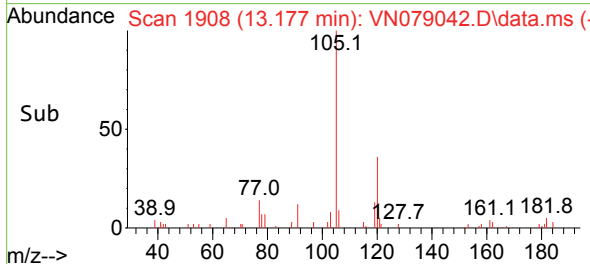
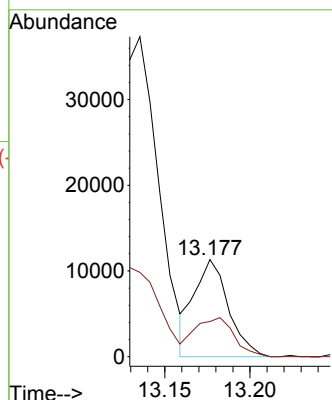
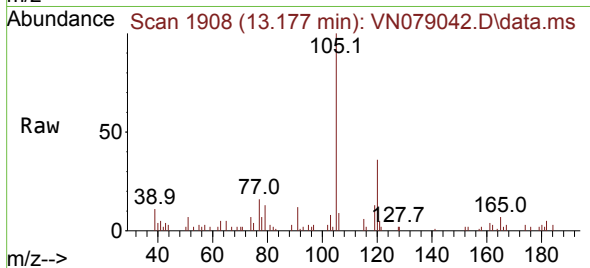
ClientSampleId :

Tgt Ion:105 Resp: 15893

Ion Ratio Lower Upper

105 100

120 46.2 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 63.083 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079042.D

Acq: 24 Aug 2023 19:31

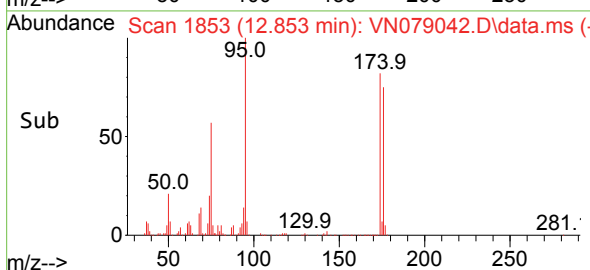
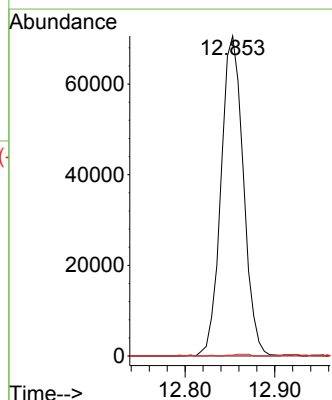
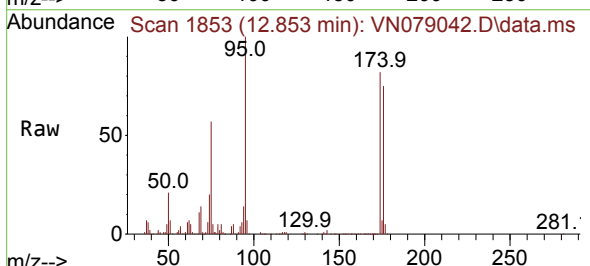
Tgt Ion: 75 Resp: 122213

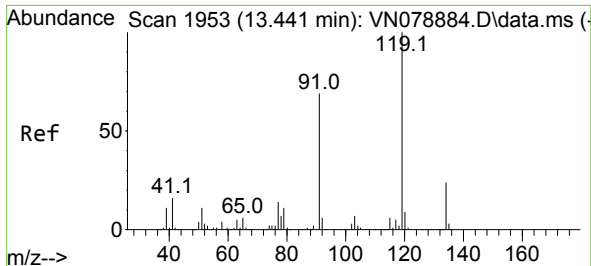
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.4 38.8 58.2#

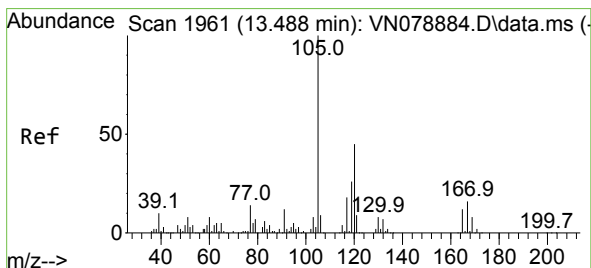
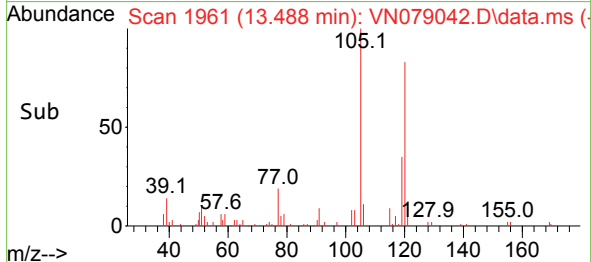
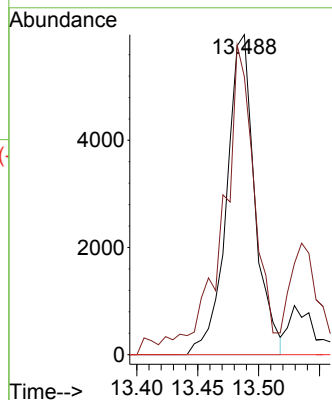
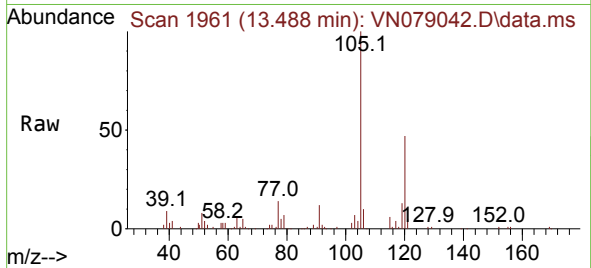




#83
tert-Butylbenzene
Concen: 0.845 ug/l
RT: 13.488 min Scan# 1953
Delta R.T. 0.047 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

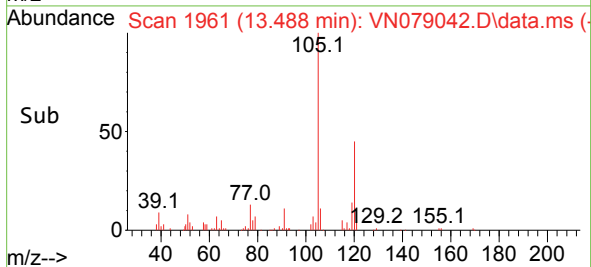
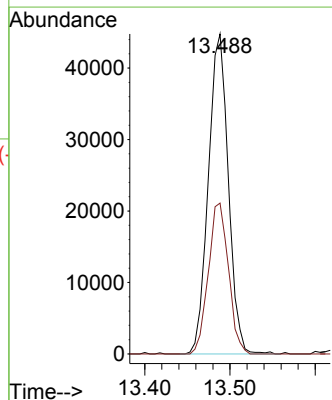
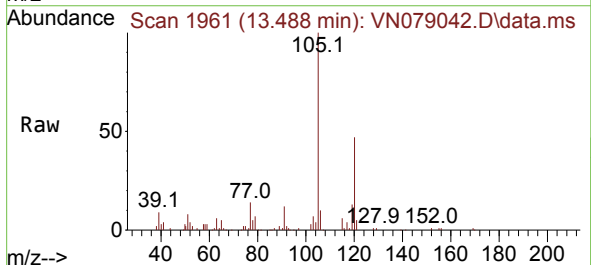
Instrument :
MSVOA_N
ClientSampleId :

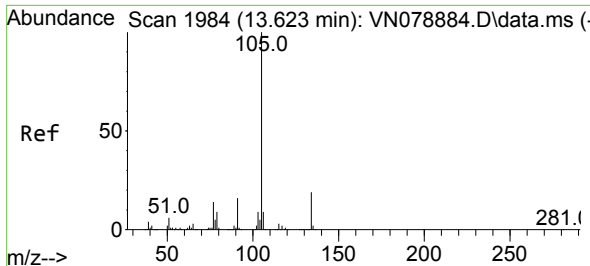
Tgt Ion:119 Resp: 9634
Ion Ratio Lower Upper
119 100
91 103.7 33.9 101.7#
134 0.0 13.2 39.6#



#84
1,2,4-Trimethylbenzene
Concen: 5.428 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Tgt Ion:105 Resp: 72948
Ion Ratio Lower Upper
105 100
120 47.4 22.0 66.0

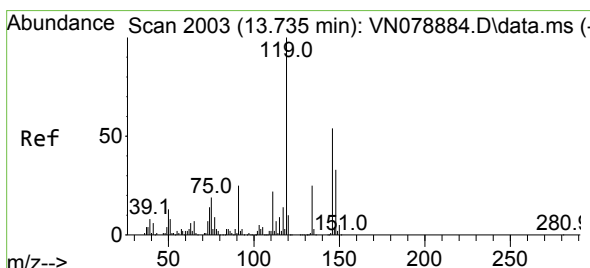
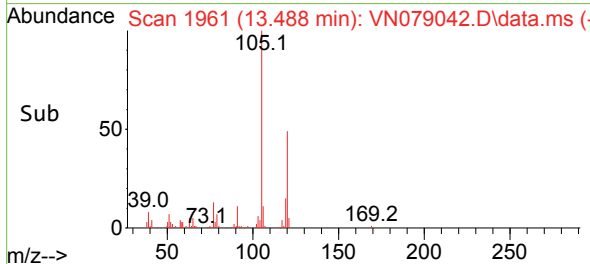
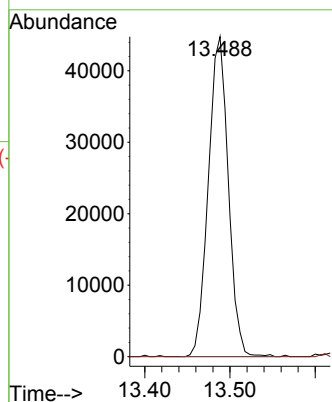
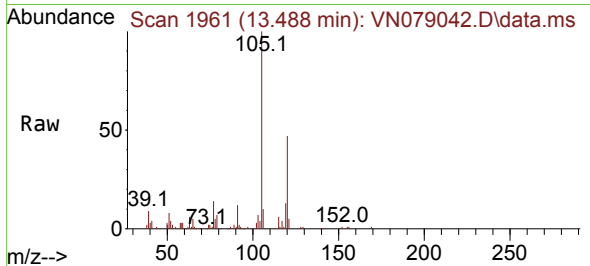




#85
 sec-Butylbenzene
 Concen: 4.648 ug/l
 RT: 13.488 min Scan# 1984
 Delta R.T. -0.135 min
 Lab File: VN079042.D
 Acq: 24 Aug 2023 19:31

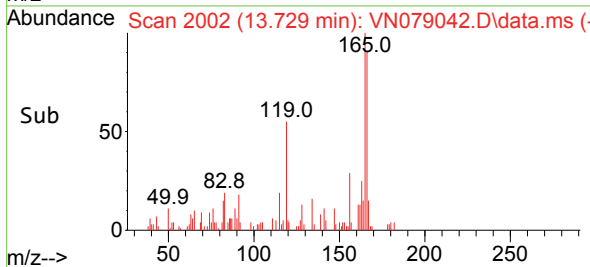
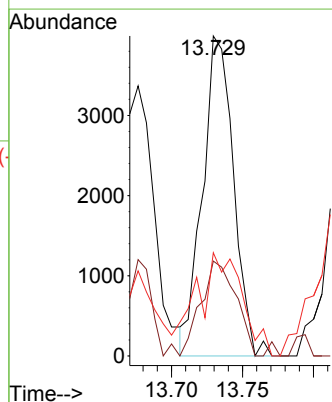
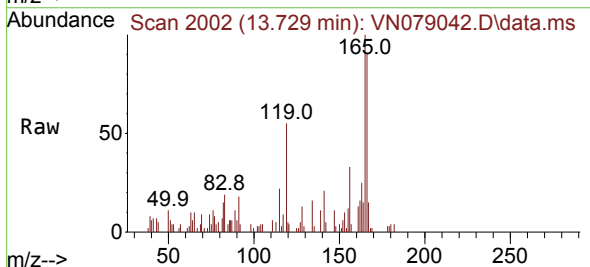
Instrument :
 MSVOA_N
 ClientSampleId :

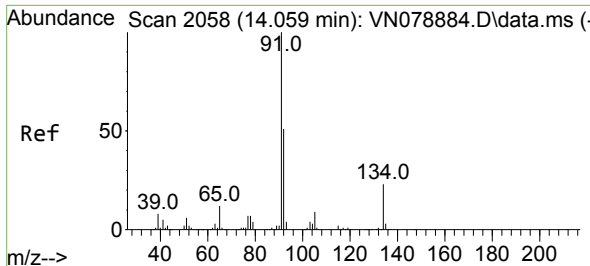
Tgt Ion:105 Resp: 72948
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 0.483 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: VN079042.D
 Acq: 24 Aug 2023 19:31

Tgt Ion:119 Resp: 6057
 Ion Ratio Lower Upper
 119 100
 134 33.6 12.6 37.8
 91 47.0 12.4 37.2#

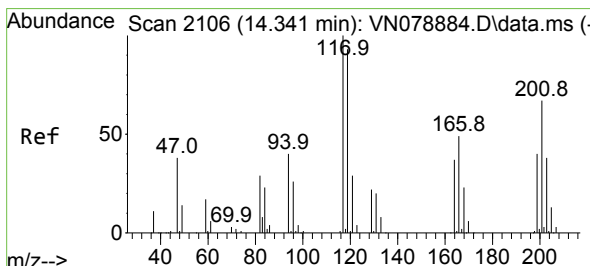
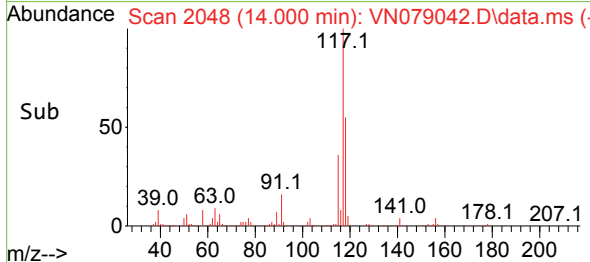
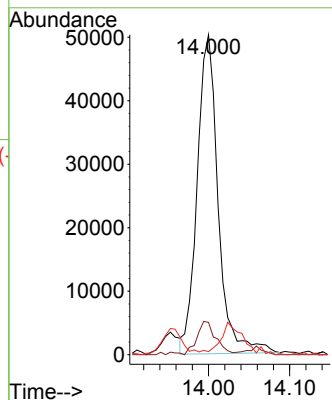
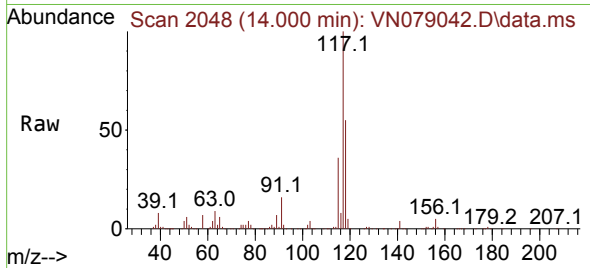




#89
n-Butylbenzene
Concen: 8.753 ug/l
RT: 14.000 min Scan# 2058
Delta R.T. -0.059 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

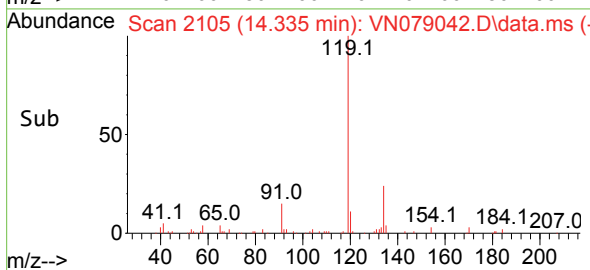
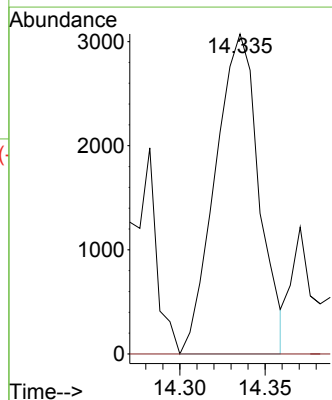
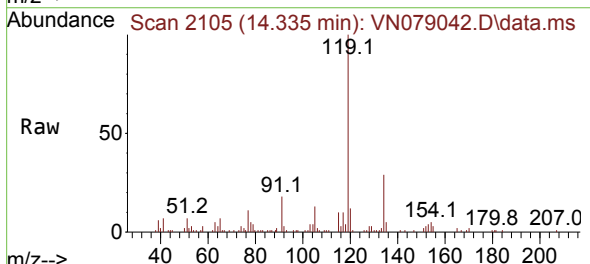
Instrument :
MSVOA_N
ClientSampleId :

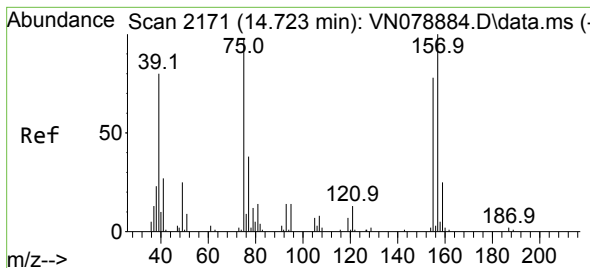
Tgt Ion: 91 Resp: 90319
Ion Ratio Lower Upper
91 100
92 9.4 26.4 79.0#
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 2.187 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Tgt Ion: 117 Resp: 5497
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

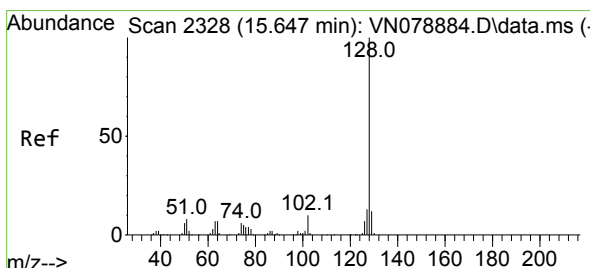
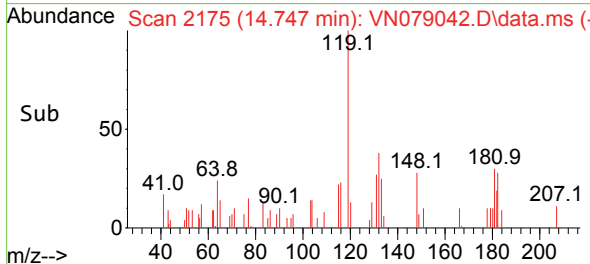
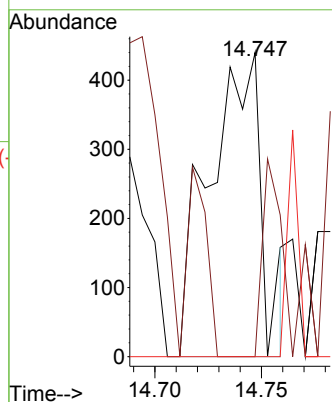
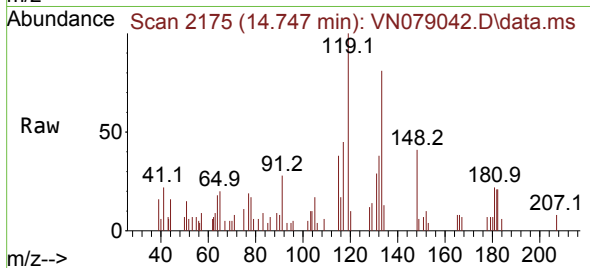




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.747 min Scan# 2171
Delta R.T. 0.024 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 758
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 15.3 50.3 150.9#



#95
Naphthalene
Concen: 244.049 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079042.D
Acq: 24 Aug 2023 19:31

Tgt Ion:128 Resp: 2409709
Ion Ratio Lower Upper
128 100
127 13.4 10.0 15.0
129 10.9 8.7 13.1

