

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080555.D
 Acq On : 20 Dec 2023 18:29
 Operator : JC\MD
 Sample : 05862-10 20X
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

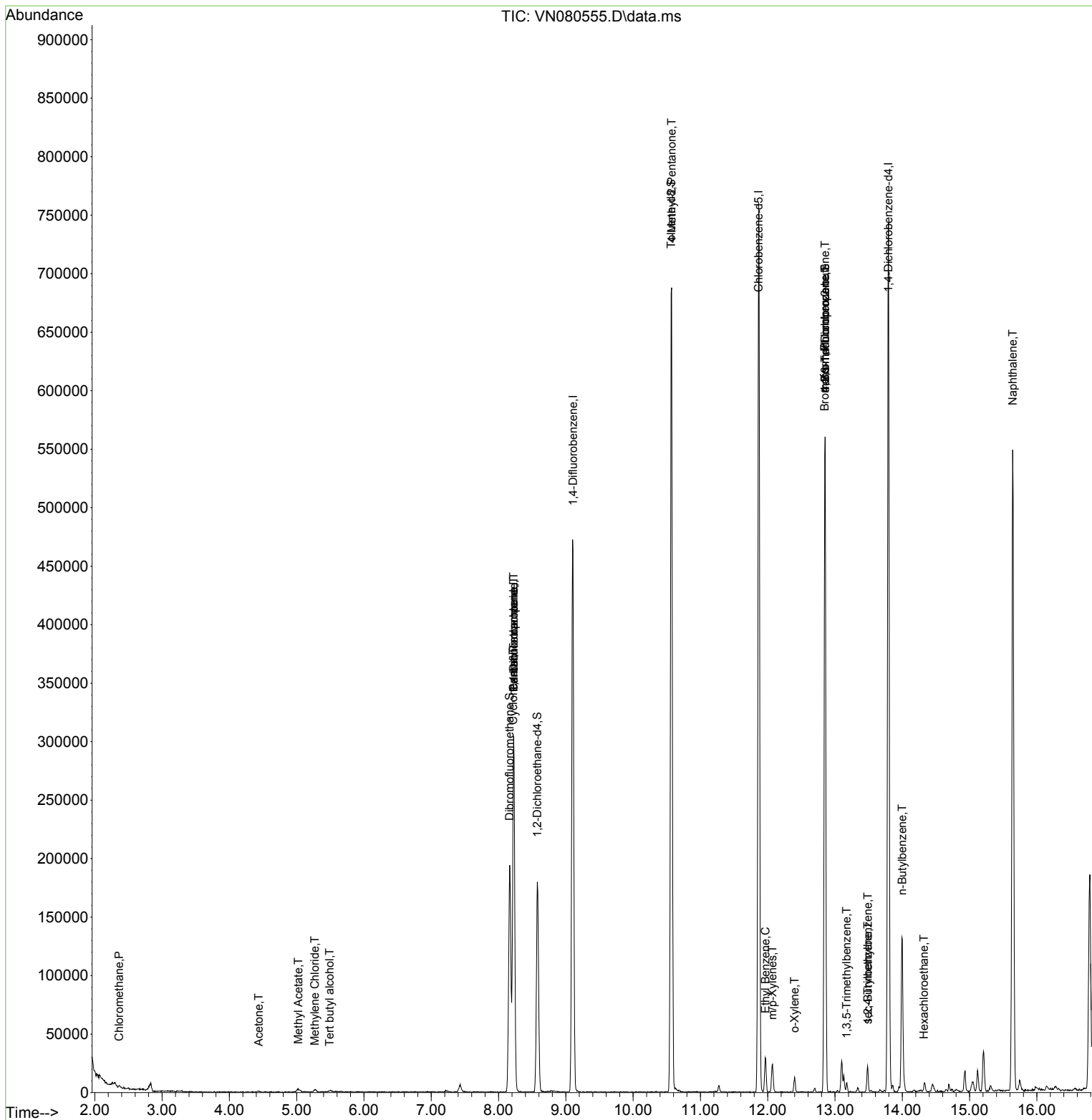
Quant Time: Dec 21 02:49:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

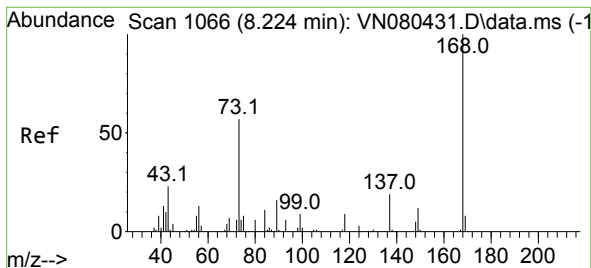
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	213902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	405858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	436210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	203822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158966	58.186	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.380%	
35) Dibromofluoromethane	8.165	113	134342	52.206	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.420%	
50) Toluene-d8	10.565	98	495897	51.672	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.340%	
62) 4-Bromofluorobenzene	12.853	95	202087	55.453	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	3115	0.692	ug/l	95
11) Tert butyl alcohol	5.489	59	481	1.495	ug/l #	72
16) Acetone	4.436	43	1706	3.522	ug/l	89
18) Methyl Acetate	5.024	43	5269	1.690	ug/l #	59
20) Methylene Chloride	5.271	84	1496	0.577	ug/l #	74
31) Cyclohexane	8.218	56	4679	1.259	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	17179	4.083	ug/l #	48
38) Carbon Tetrachloride	8.224	117	23539	4.682	ug/l #	16
51) 4-Methyl-2-Pentanone	10.571	43	1915	0.734	ug/l #	1
67) Ethyl Benzene	11.965	91	21151	1.185	ug/l #	83
68) m/p-Xylenes	12.071	106	7745	1.175	ug/l	95
69) o-Xylene	12.400	106	2950	0.457	ug/l	62
71) Bromoform	12.847	173	978	0.352	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	107577	26.457	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.171	105	3219	0.228	ug/l	85
81) trans-1,4-Dichloro-2-b...	12.853	75	107577	69.464	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	12422	0.885	ug/l	99
85) sec-Butylbenzene	13.488	105	12422	0.841	ug/l #	57
89) n-Butylbenzene	14.000	91	13888	1.247	ug/l #	43
90) Hexachloroethane	14.323	117	861	0.406	ug/l #	21
95) Naphthalene	15.641	128	509767	44.868	ug/l	99

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

Quant Time: Dec 21 02:49:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080555.D

Acq: 20 Dec 2023 18:29

Instrument :

MSVOA_N

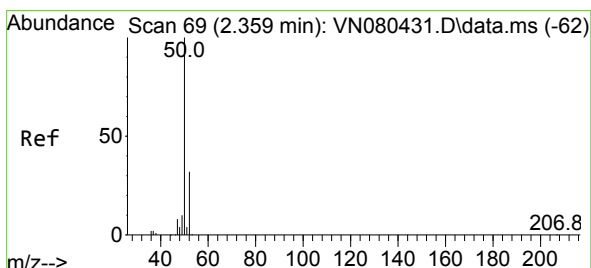
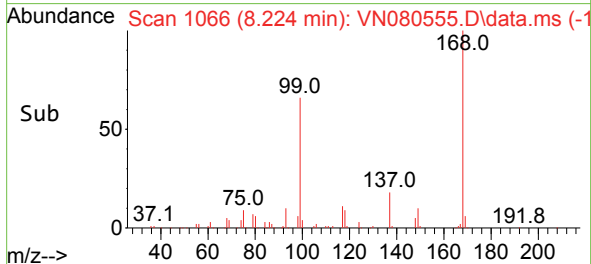
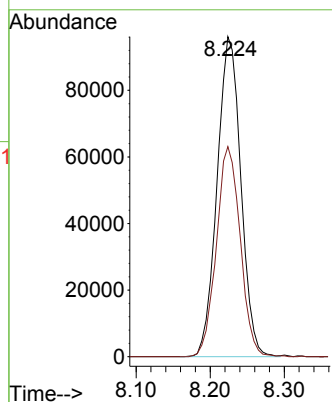
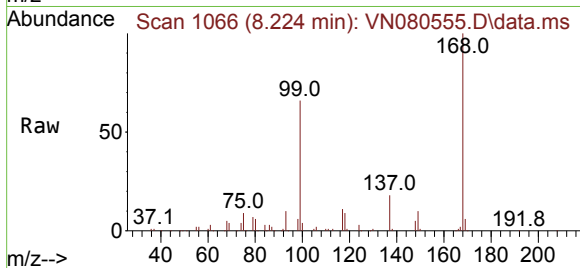
ClientSampleId :

Tgt Ion:168 Resp: 213902

Ion Ratio Lower Upper

168 100

99 65.7 53.0 79.6



#3

Chloromethane

Concen: 0.692 ug/l

RT: 2.360 min Scan# 69

Delta R.T. 0.001 min

Lab File: VN080555.D

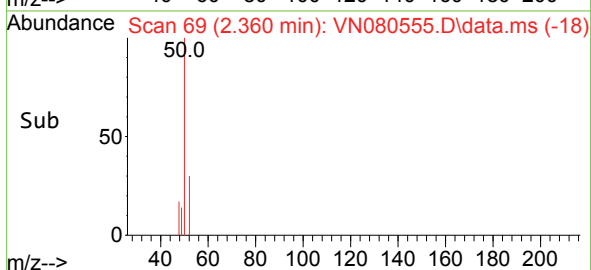
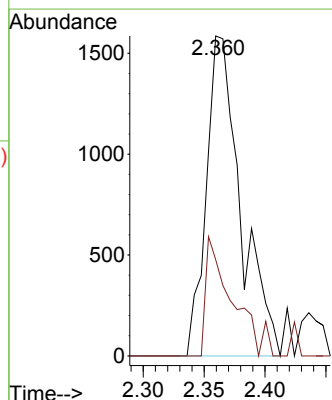
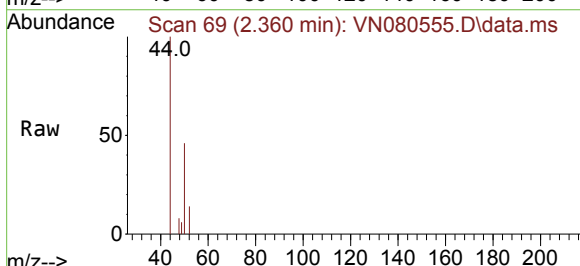
Acq: 20 Dec 2023 18:29

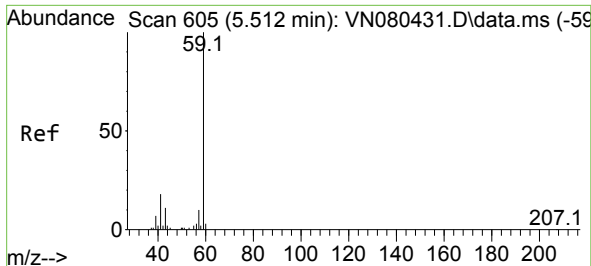
Tgt Ion: 50 Resp: 3115

Ion Ratio Lower Upper

50 100

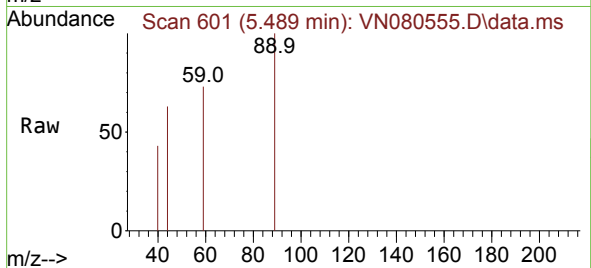
52 30.0 26.5 39.7



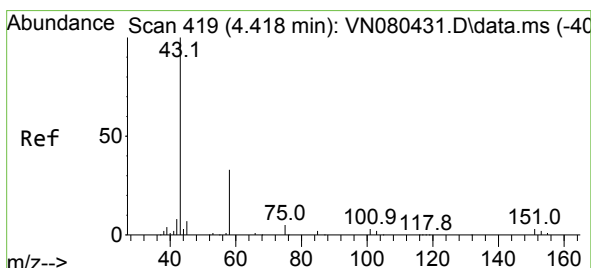
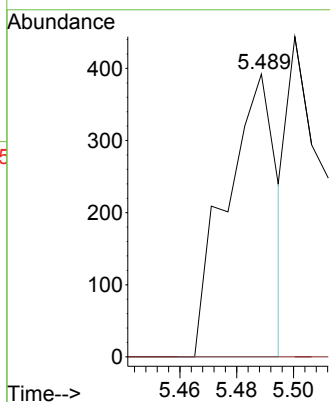
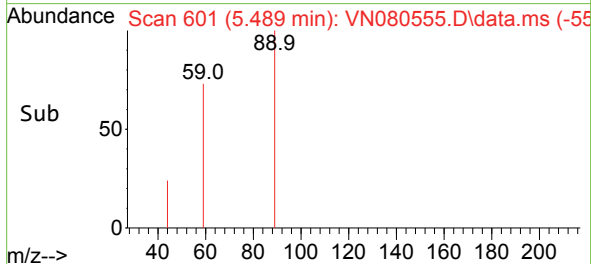


#11
Tert butyl alcohol
Concen: 1.495 ug/l
RT: 5.489 min Scan# 605
Delta R.T. -0.023 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

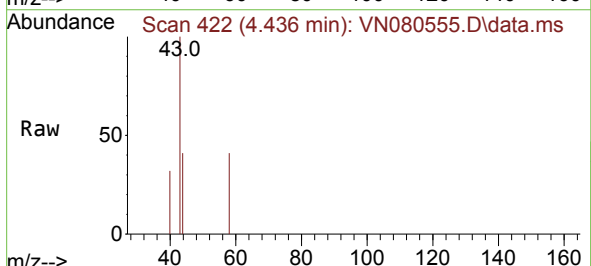
Instrument :
MSVOA_N
ClientSampleId :



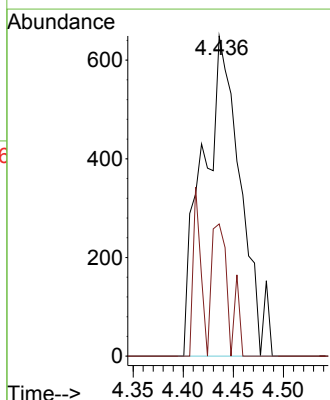
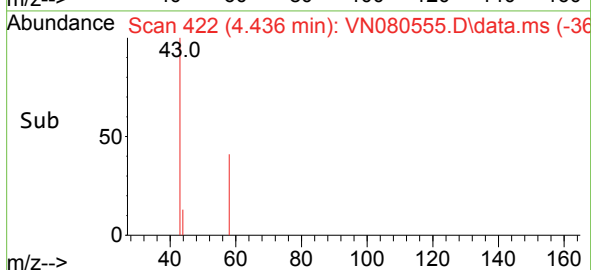
Tgt Ion: 59 Resp: 481
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

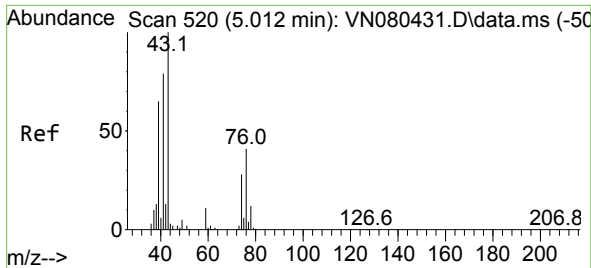


#16
Acetone
Concen: 3.522 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29



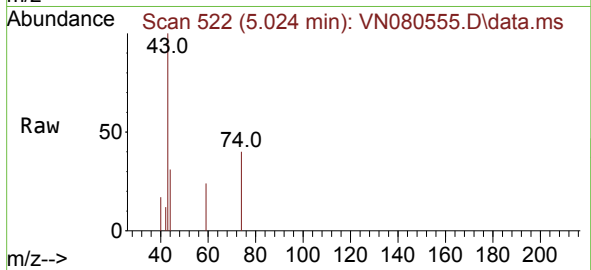
Tgt Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
58 41.3 28.0 42.0



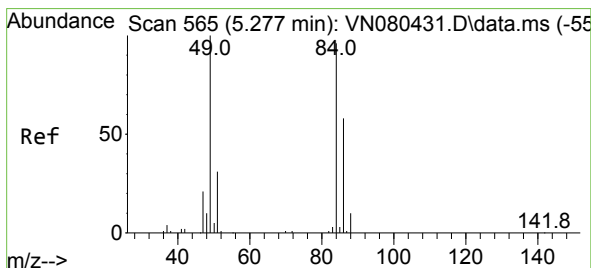
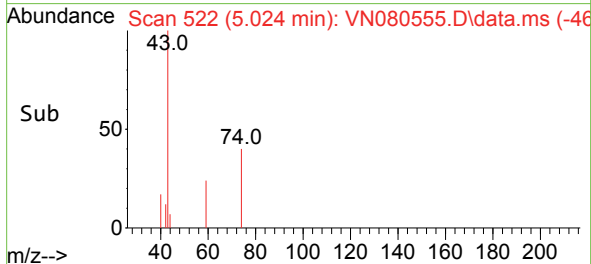
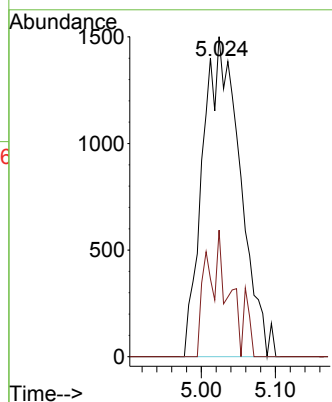


#18
Methyl Acetate
Concen: 1.690 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :

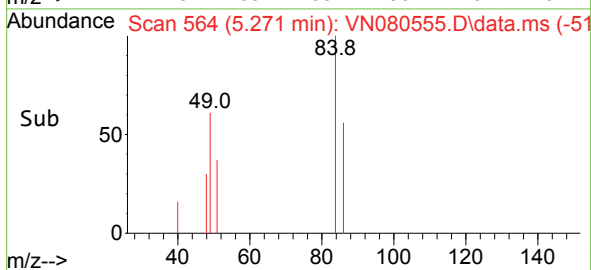
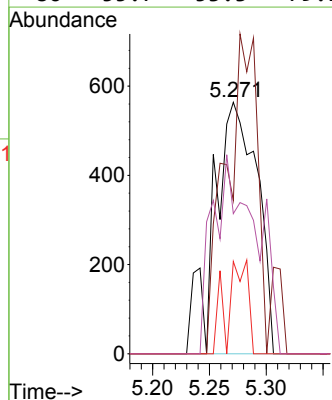
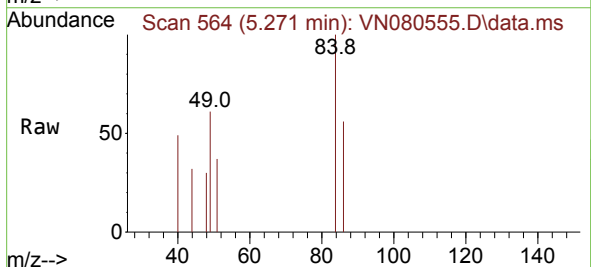


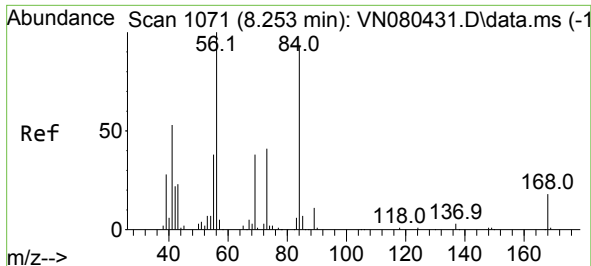
Tgt Ion: 43 Resp: 5269
Ion Ratio Lower Upper
43 100
74 9.8 26.2 39.4#



#20
Methylene Chloride
Concen: 0.577 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

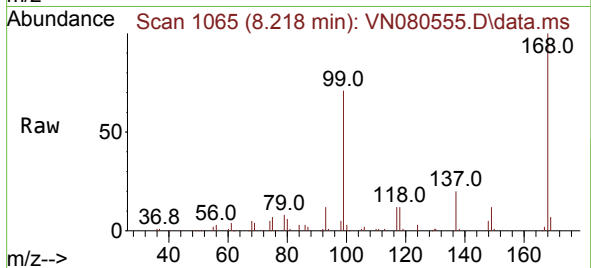
Tgt Ion: 84 Resp: 1496
Ion Ratio Lower Upper
84 100
49 61.0 79.7 119.5#
51 36.7 25.2 37.8
86 55.7 53.3 79.9



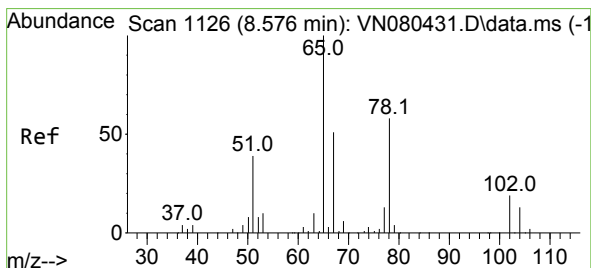
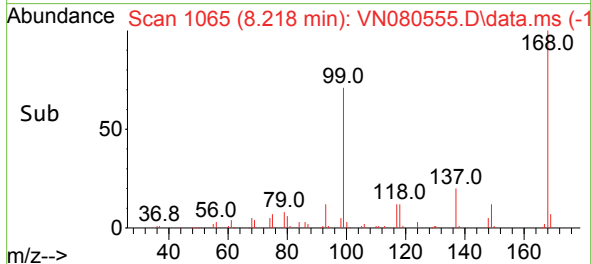
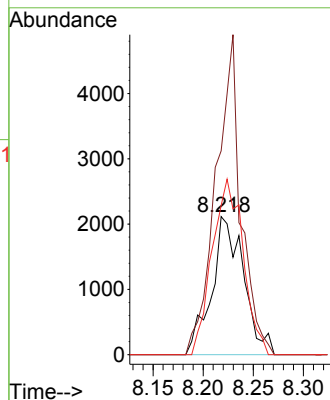


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :

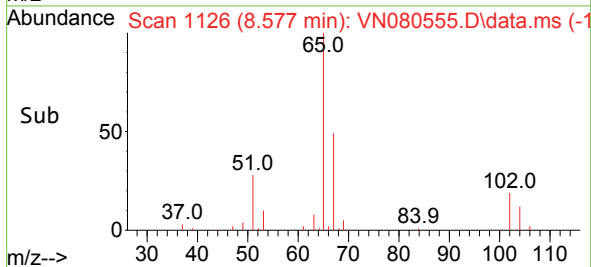
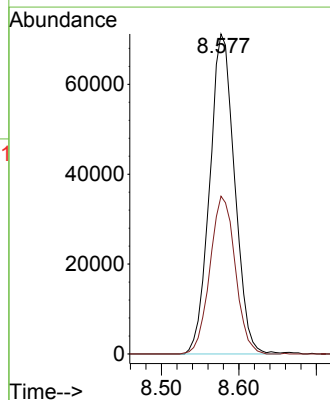
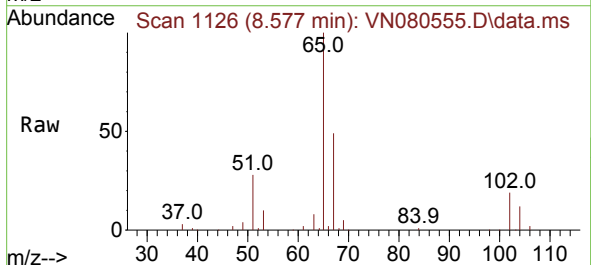


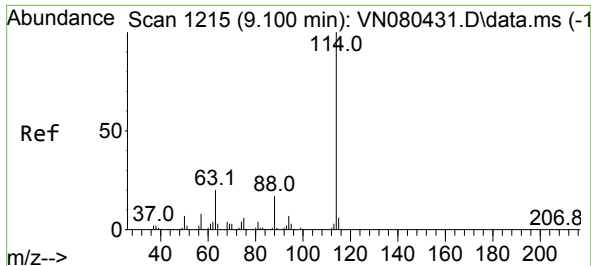
Tgt Ion: 56 Resp: 4679
Ion Ratio Lower Upper
56 100
69 147.6 26.8 40.2#
84 108.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 58.186 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

Tgt Ion: 65 Resp: 158966
Ion Ratio Lower Upper
65 100
67 50.0 0.0 106.6

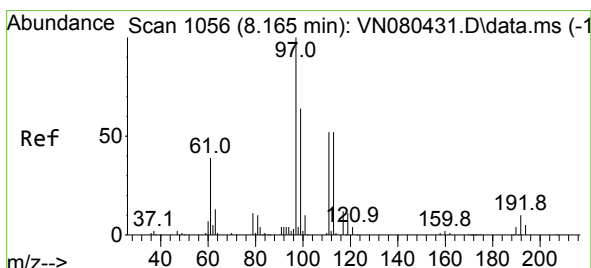
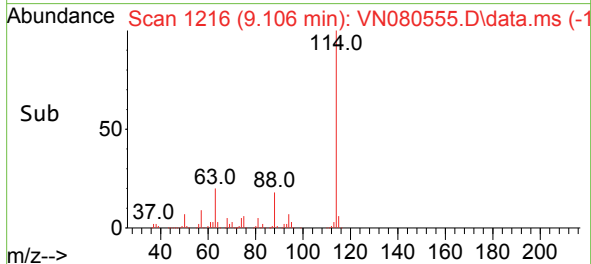
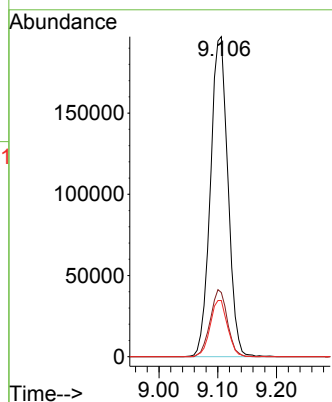
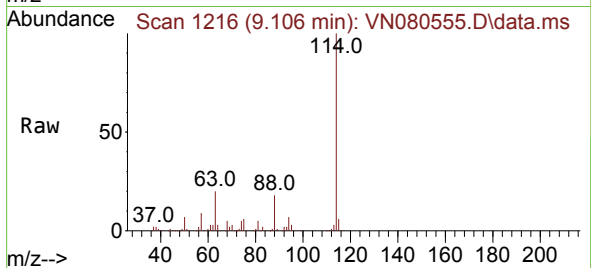




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

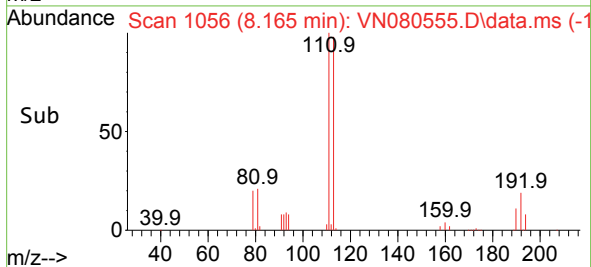
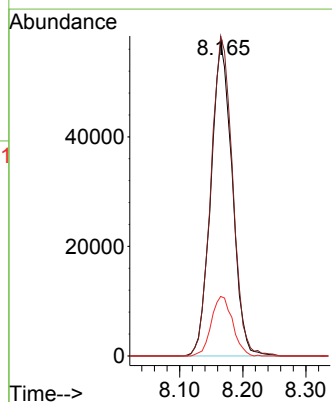
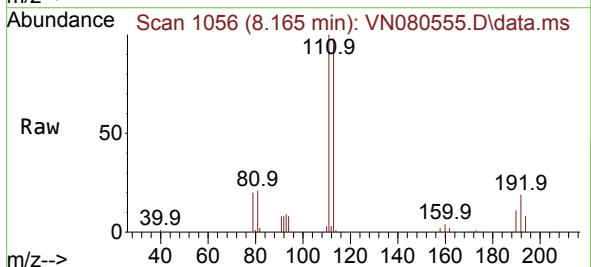
Instrument :
MSVOA_N
ClientSampleId :

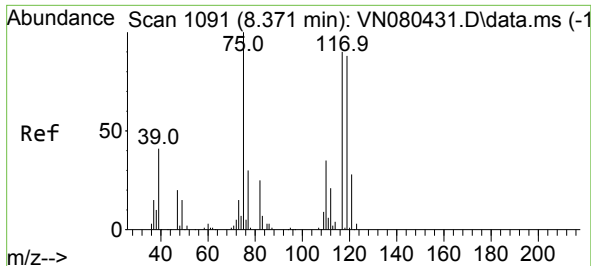
Tgt Ion:114 Resp: 405858
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.4
88 17.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.206 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

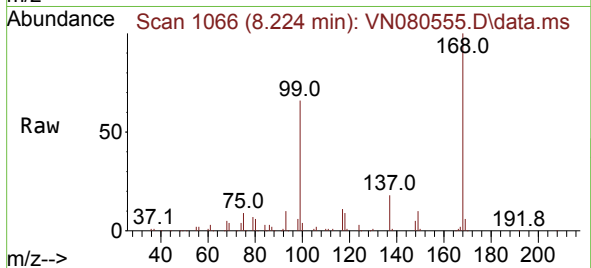
Tgt Ion:113 Resp: 134342
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 18.9 12.7 19.1



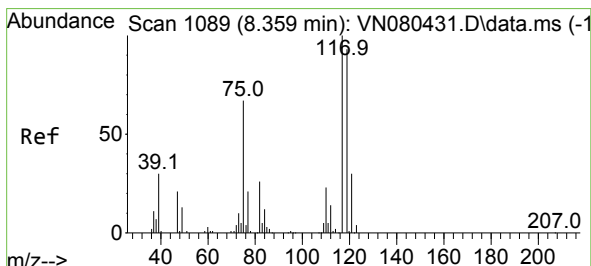
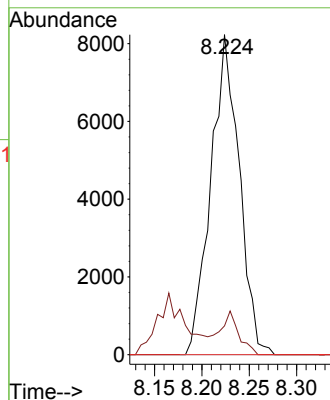
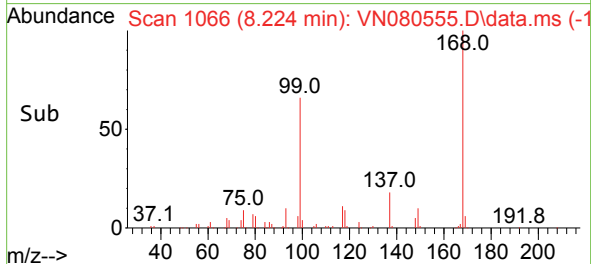


#36
1,1-Dichloropropene
Concen: 4.083 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

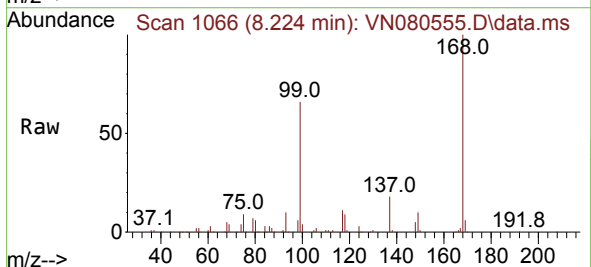
Instrument :
MSVOA_N
ClientSampleId :



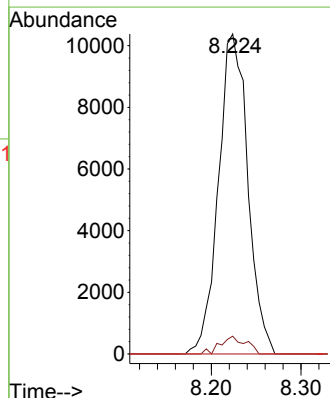
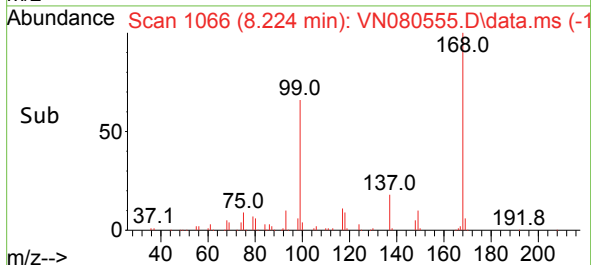
Tgt Ion: 75 Resp: 17179
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.0 25.0 37.4#

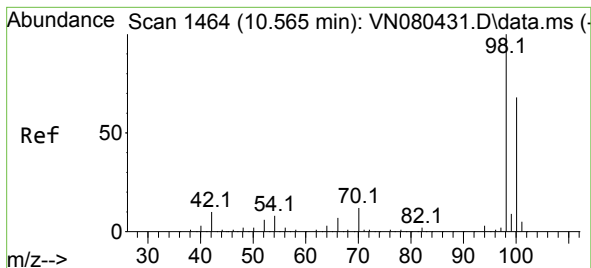


#38
Carbon Tetrachloride
Concen: 4.682 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29



Tgt Ion: 117 Resp: 23539
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 23.3 34.9#





#50

Toluene-d8

Concen: 51.672 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080555.D

Acq: 20 Dec 2023 18:29

Instrument :

MSVOA_N

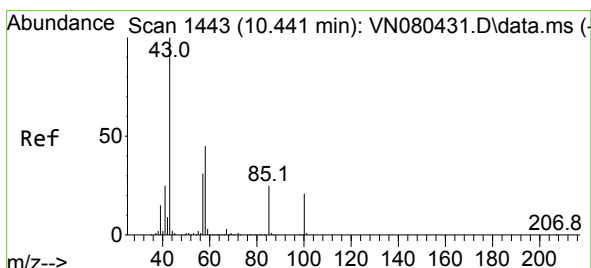
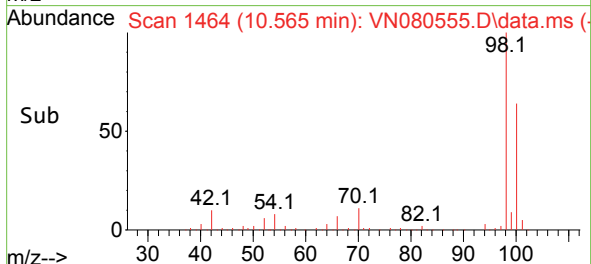
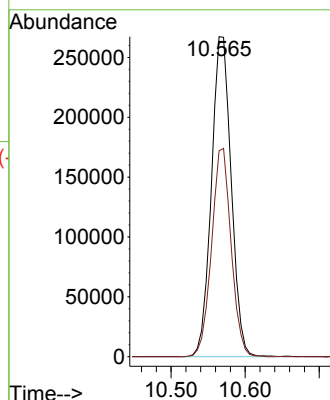
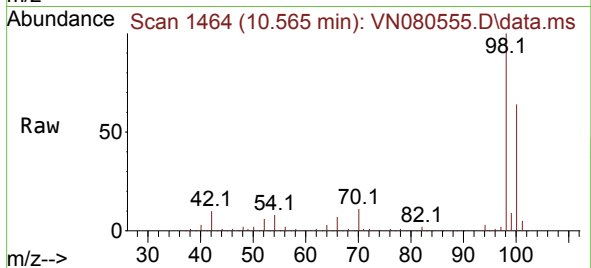
ClientSampleId :

Tgt Ion: 98 Resp: 495897

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.734 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.130 min

Lab File: VN080555.D

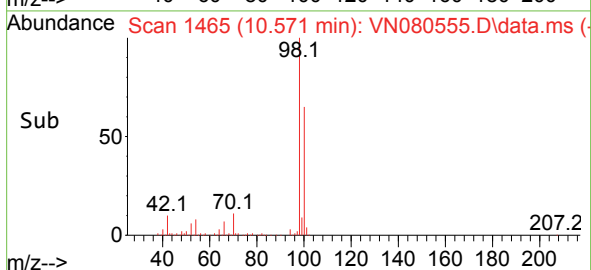
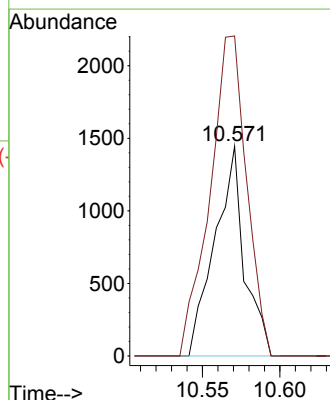
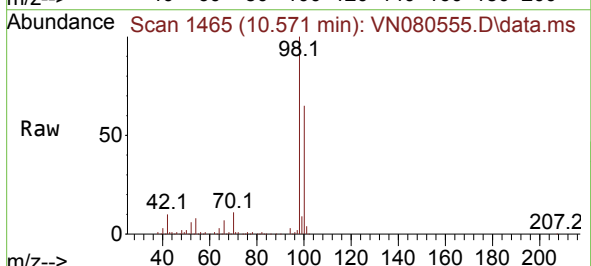
Acq: 20 Dec 2023 18:29

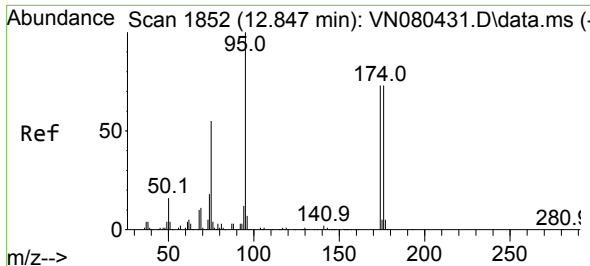
Tgt Ion: 43 Resp: 1915

Ion Ratio Lower Upper

43 100

58 189.8 36.6 54.8#

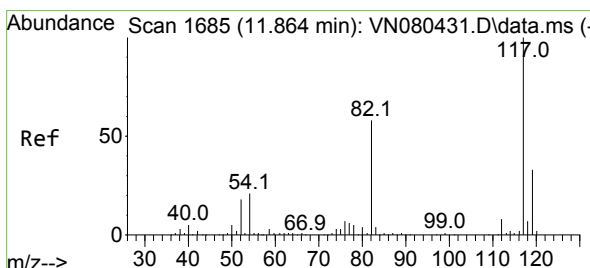
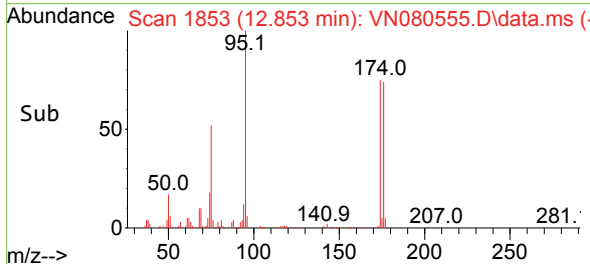
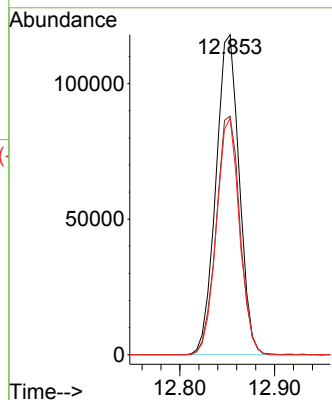
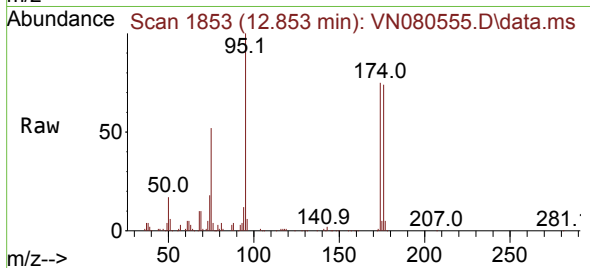




#62
4-Bromofluorobenzene
Concen: 55.453 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

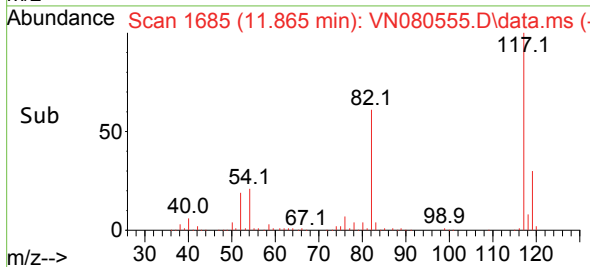
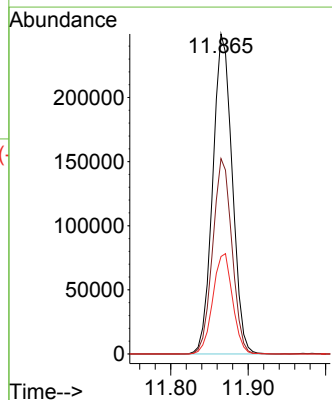
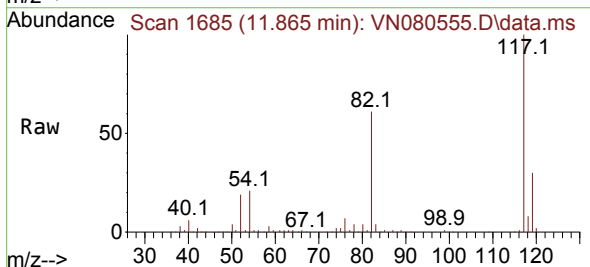
Instrument :
MSVOA_N
ClientSampleId :

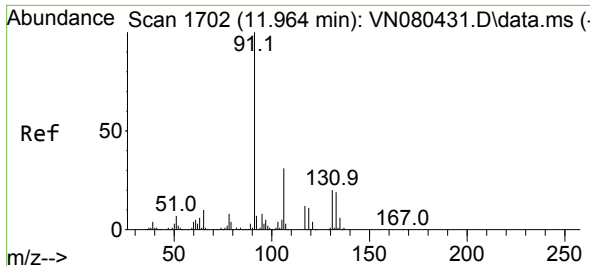
Tgt Ion: 95 Resp: 202087
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.8
176 72.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

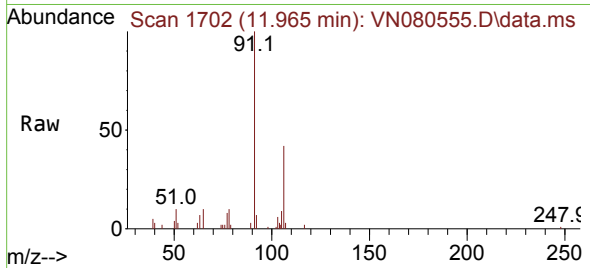
Tgt Ion: 117 Resp: 436210
Ion Ratio Lower Upper
117 100
82 61.0 44.0 66.0
119 30.5 25.6 38.4



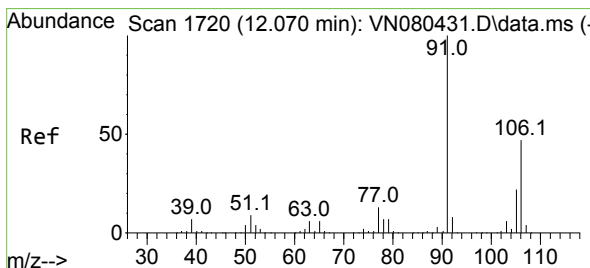
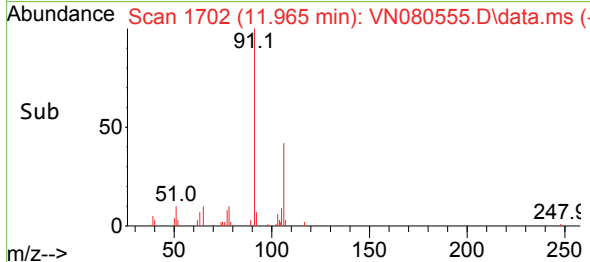
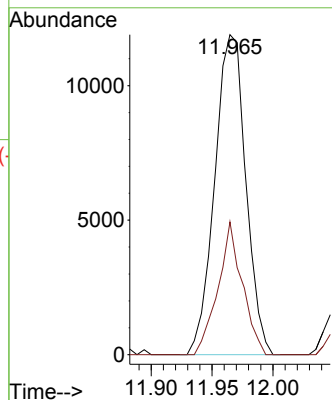


#67
Ethyl Benzene
Concen: 1.185 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :

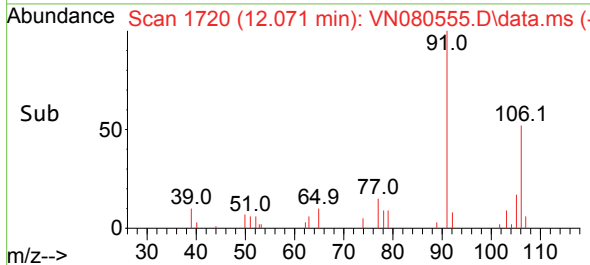
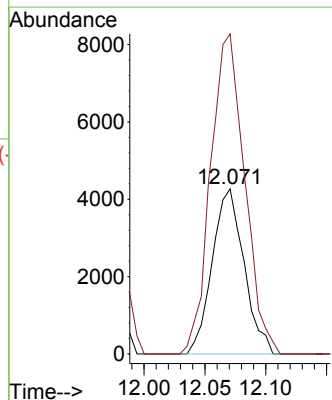
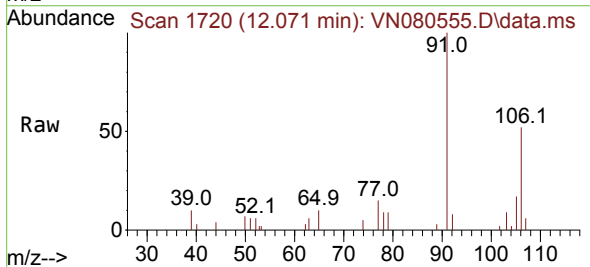


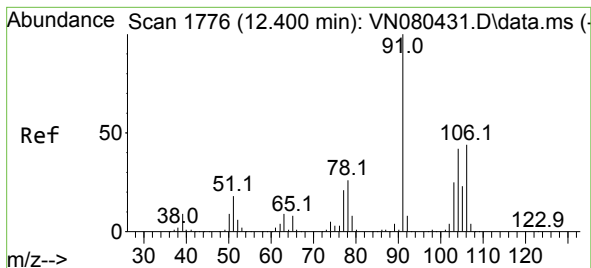
Tgt Ion: 91 Resp: 21151
Ion Ratio Lower Upper
91 100
106 41.5 25.6 38.4#



#68
m/p-Xylenes
Concen: 1.175 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

Tgt Ion: 106 Resp: 7745
Ion Ratio Lower Upper
106 100
91 207.7 159.6 239.4





#69

o-Xylene

Concen: 0.457 ug/l

RT: 12.400 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080555.D

Acq: 20 Dec 2023 18:29

Instrument :

MSVOA_N

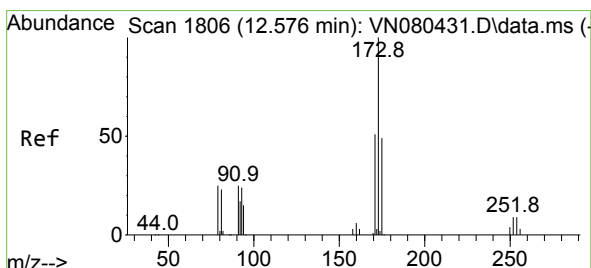
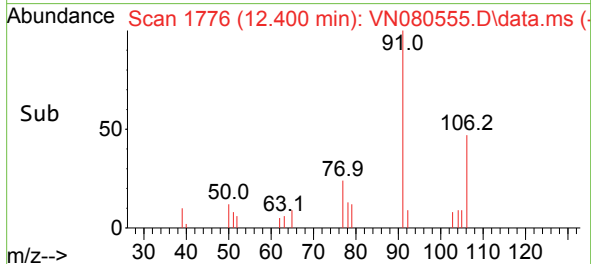
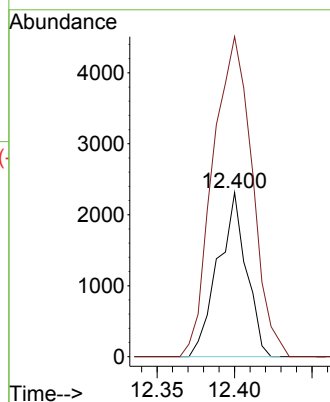
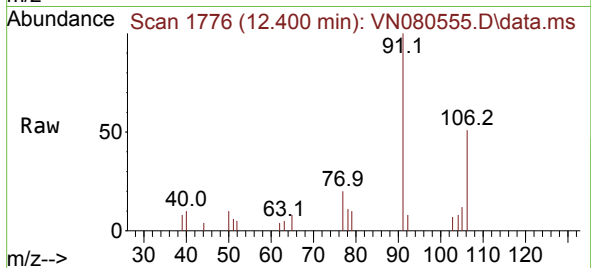
ClientSampleId :

Tgt Ion:106 Resp: 2950

Ion Ratio Lower Upper

106 100

91 269.5 105.2 315.5



#71

Bromoform

Concen: 0.352 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN080555.D

Acq: 20 Dec 2023 18:29

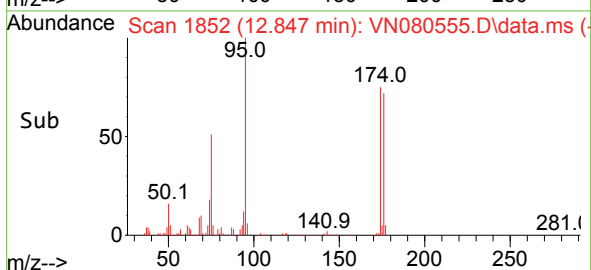
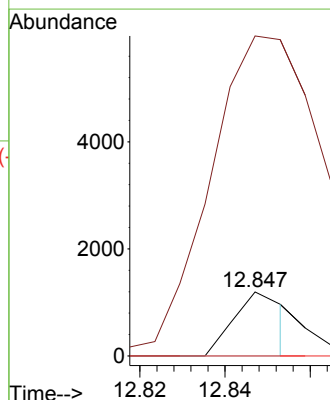
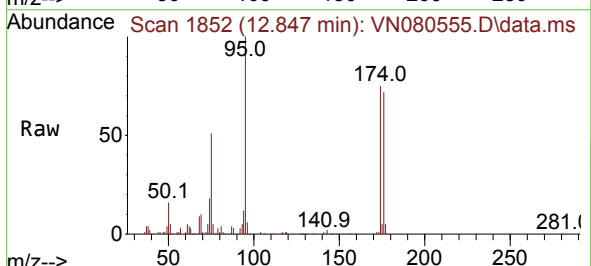
Tgt Ion:173 Resp: 978

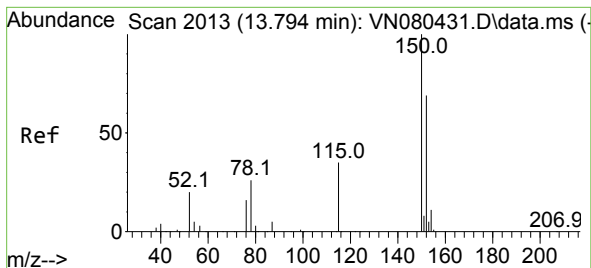
Ion Ratio Lower Upper

173 100

175 777.3 24.3 73.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

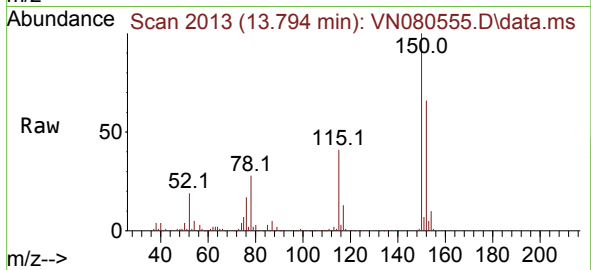
Lab File: VN080555.D

Acq: 20 Dec 2023 18:29

Instrument :

MSVOA_N

ClientSampleId :



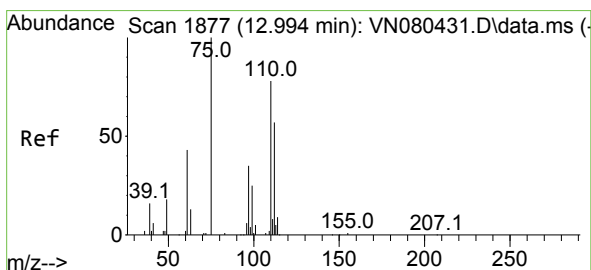
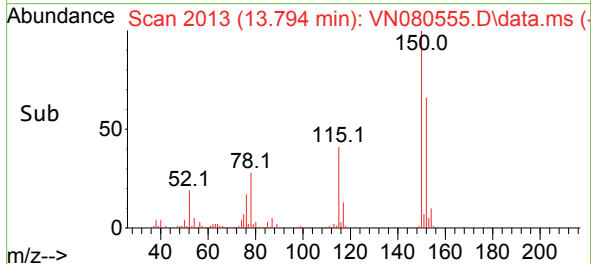
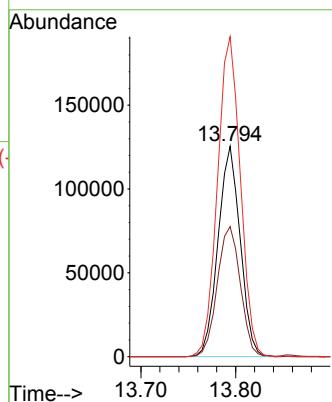
Tgt Ion:152 Resp: 203822

Ion Ratio Lower Upper

152 100

115 64.6 32.3 96.8

150 157.0 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.457 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080555.D

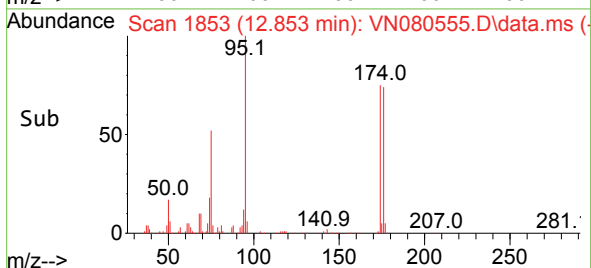
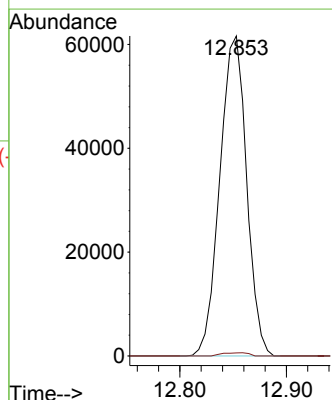
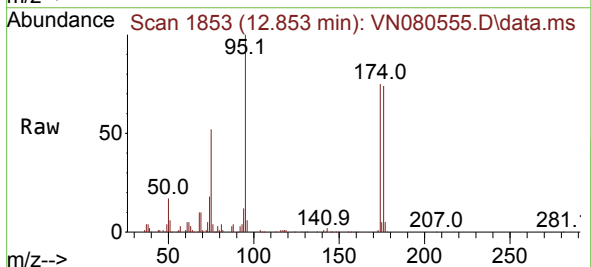
Acq: 20 Dec 2023 18:29

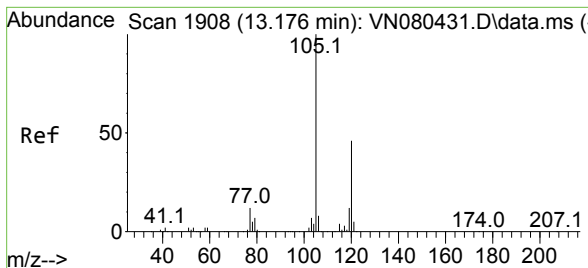
Tgt Ion: 75 Resp: 107577

Ion Ratio Lower Upper

75 100

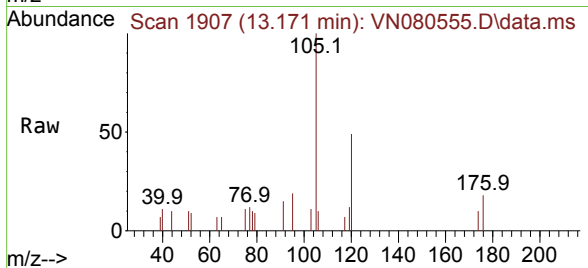
77 1.0 84.5 253.5#



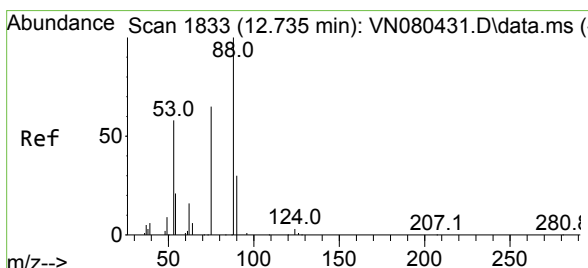
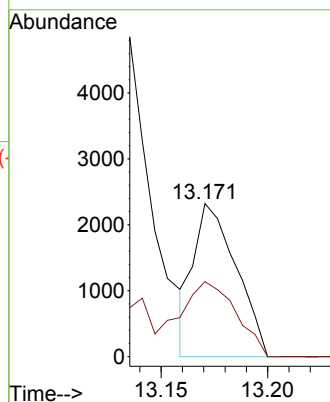
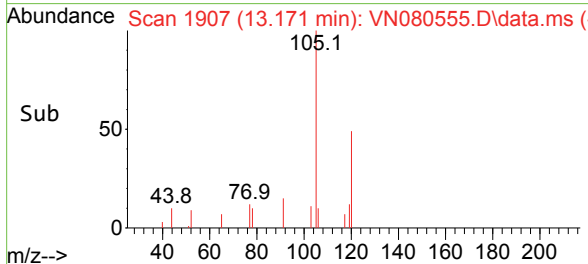


#80
1,3,5-Trimethylbenzene
Concen: 0.228 ug/l
RT: 13.171 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

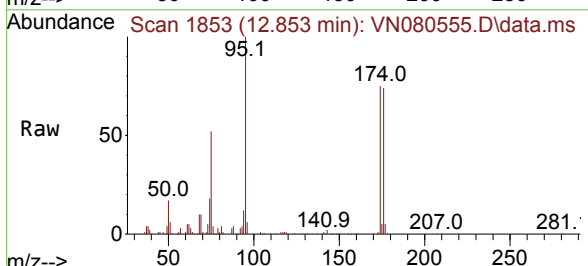
Instrument :
MSVOA_N
ClientSampleId :



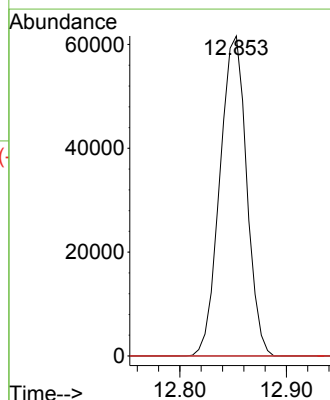
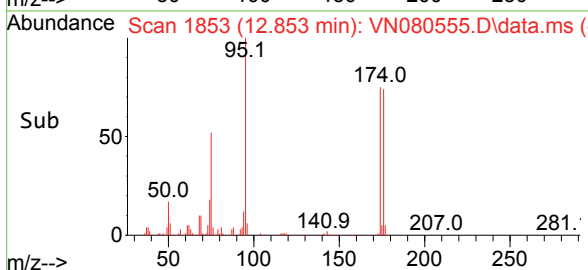
Tgt Ion:105 Resp: 3219
Ion Ratio Lower Upper
105 100
120 58.6 24.1 72.3

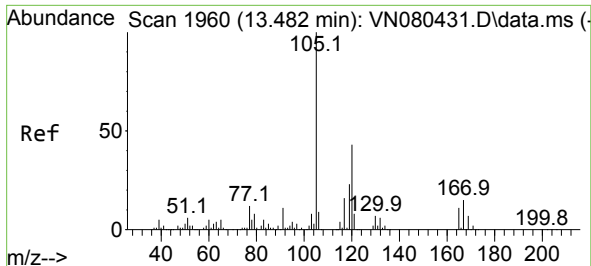


#81
trans-1,4-Dichloro-2-butene
Concen: 69.464 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29



Tgt Ion: 75 Resp: 107577
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

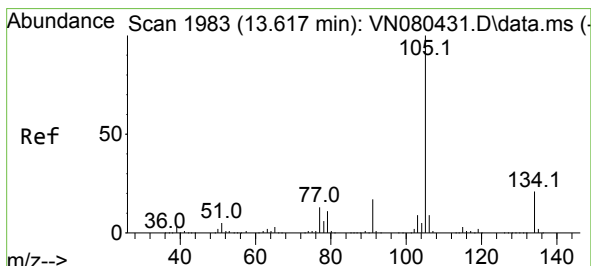
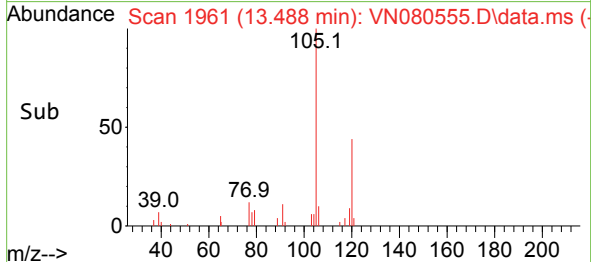
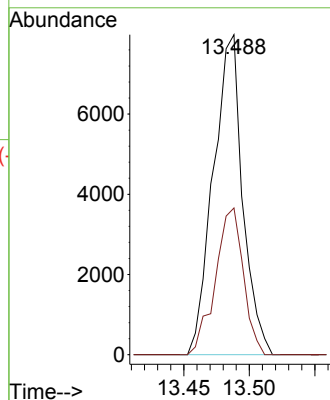
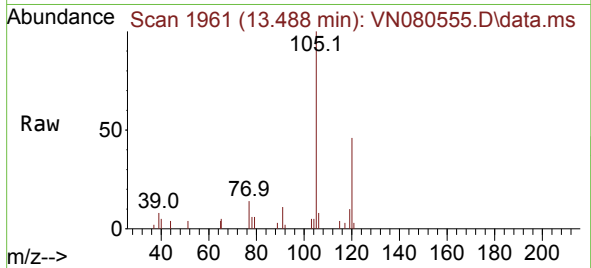




#84
1,2,4-Trimethylbenzene
Concen: 0.885 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

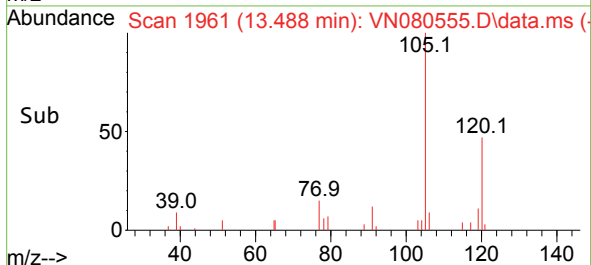
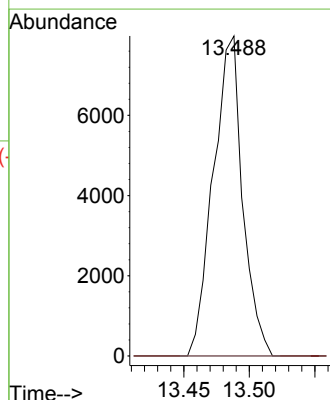
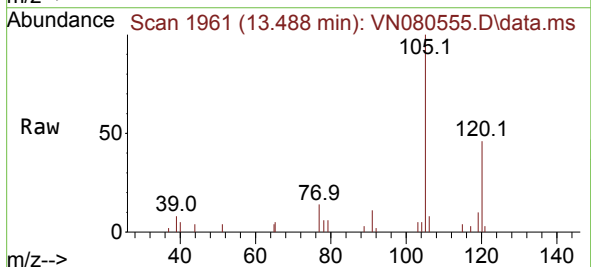
Instrument :
MSVOA_N
ClientSampleId :

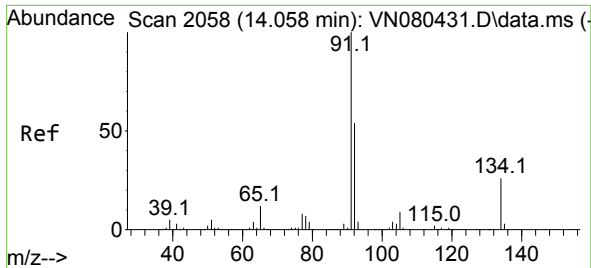
Tgt Ion:105 Resp: 12422
Ion Ratio Lower Upper
105 100
120 43.6 22.0 66.0



#85
sec-Butylbenzene
Concen: 0.841 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.129 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

Tgt Ion:105 Resp: 12422
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

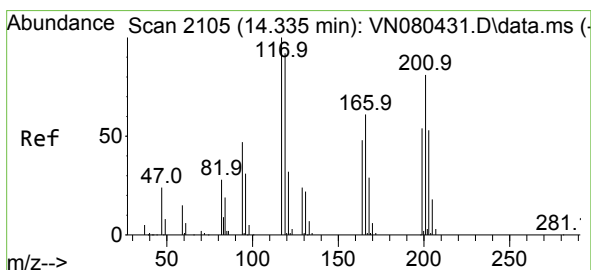
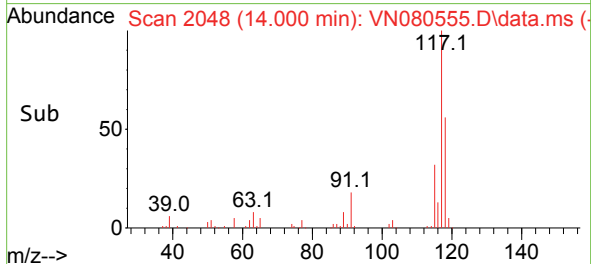
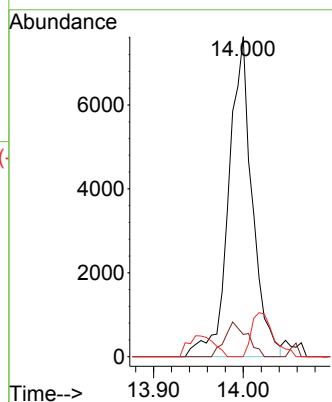
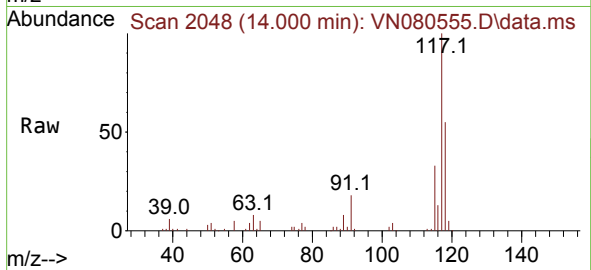




#89
n-Butylbenzene
Concen: 1.247 ug/l
RT: 14.000 min Scan# 2058
Delta R.T. -0.059 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

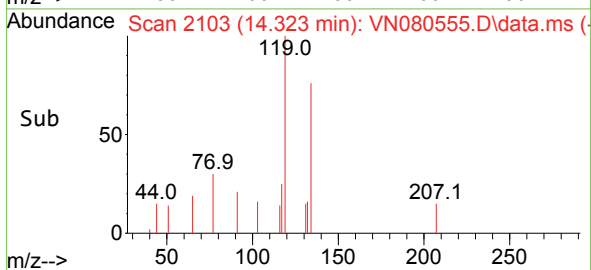
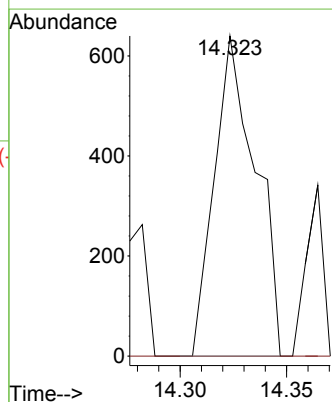
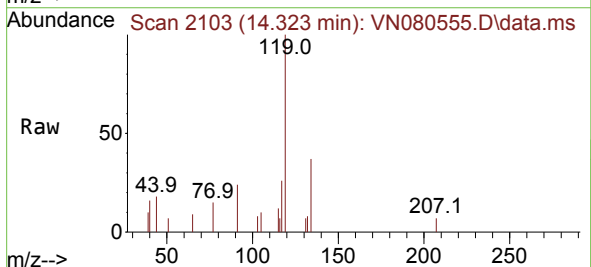
Instrument :
MSVOA_N
ClientSampleId :

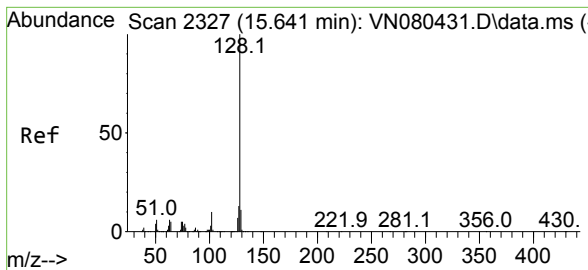
Tgt Ion: 91 Resp: 13888
Ion Ratio Lower Upper
91 100
92 10.3 26.4 79.0#
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 0.406 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. -0.011 min
Lab File: VN080555.D
Acq: 20 Dec 2023 18:29

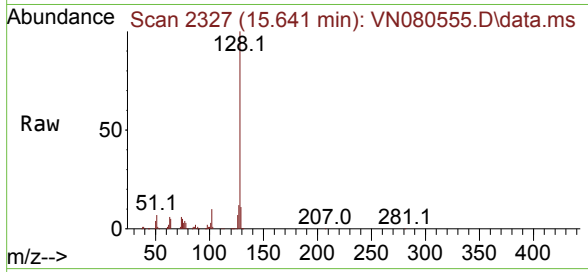
Tgt Ion: 117 Resp: 861
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#





#95
 Naphthalene
 Concen: 44.868 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080555.D
 Acq: 20 Dec 2023 18:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	509767
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	10.6	8.7	13.1

