

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080832.D
 Acq On : 31 Jan 2024 11:48
 Operator : JC\MD
 Sample : VN0131MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131MBL01

Quant Time: Jan 31 23:13:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

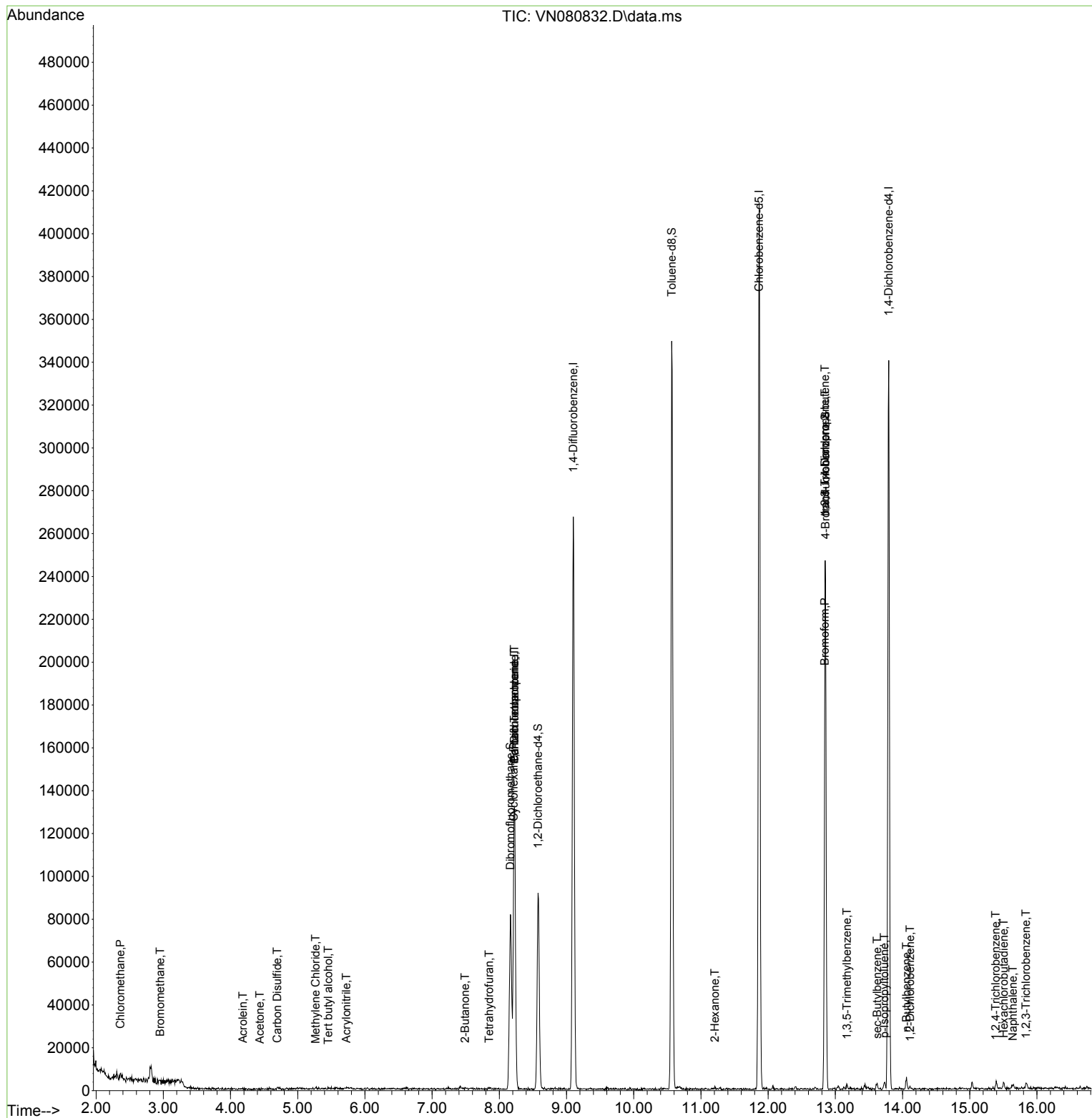
Internal Standards						
1) Pentafluorobenzene	8.224	168	86744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	208352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	205848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	75559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	69420	46.260	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.520%		
35) Dibromofluoromethane	8.165	113	55363	43.432	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.860%		
50) Toluene-d8	10.565	98	227049	45.509	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.020%		
62) 4-Bromofluorobenzene	12.853	95	81607	46.939	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.880%		
Target Compounds						Qvalue
3) Chloromethane	2.360	50	1692	0.874	ug/l	92
5) Bromomethane	2.954	94	131	0.222	ug/l #	6
11) Tert butyl alcohol	5.453	59	66	0.270	ug/l #	72
13) Acrolein	4.183	56	170	0.551	ug/l #	14
15) Acrylonitrile	5.724	53	310	0.421	ug/l #	60
16) Acetone	4.436	43	216	0.397	ug/l #	44
17) Carbon Disulfide	4.695	76	1600	0.422	ug/l #	78
20) Methylene Chloride	5.265	84	461	0.323	ug/l #	4
25) 2-Butanone	7.489	43	500	0.484	ug/l #	51
29) Tetrahydrofuran	7.847	42	143	0.204	ug/l #	38
31) Cyclohexane	8.212	56	3926	1.526	ug/l #	28
36) 1,1-Dichloropropene	8.224	75	10014	4.227	ug/l #	51
38) Carbon Tetrachloride	8.224	117	9208	4.824	ug/l #	19
59) 2-Hexanone	11.206	43	801	0.415	ug/l #	39
71) Bromoform	12.841	173	280	0.283	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	49727	21.821	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.171	105	1446	0.262	ug/l #	44
81) trans-1,4-Dichloro-2-b...	12.847	75	49727	56.215	ug/l #	14
85) sec-Butylbenzene	13.623	105	2502	0.386	ug/l	93
86) p-Isopropyltoluene	13.729	119	2037	0.404	ug/l	86
89) n-Butylbenzene	14.059	91	2846	0.577	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	648	0.268	ug/l #	63
93) 1,2,4-Trichlorobenzene	15.388	180	1139	0.914	ug/l #	85
94) Hexachlorobutadiene	15.506	225	296	0.544	ug/l	88
95) Naphthalene	15.641	128	2763	0.579	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.835	180	562	0.459	ug/l #	5

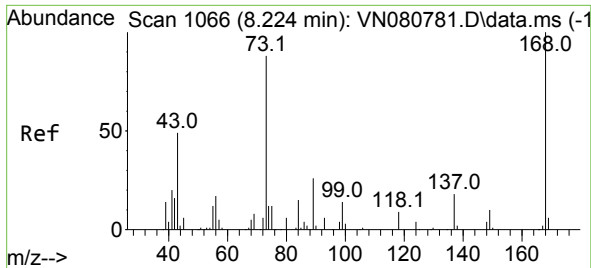
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration

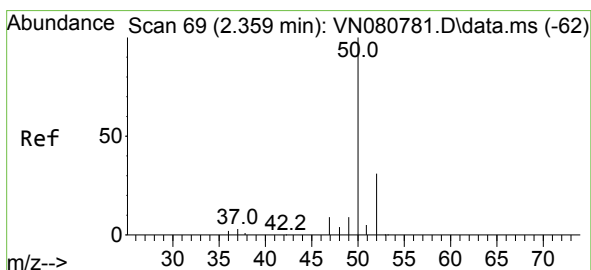
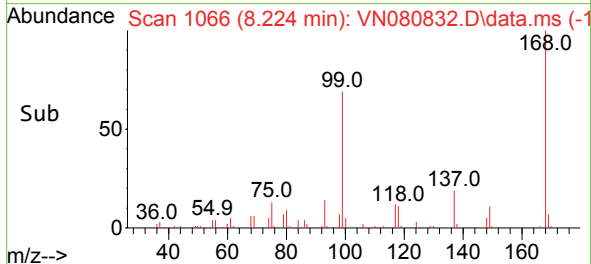
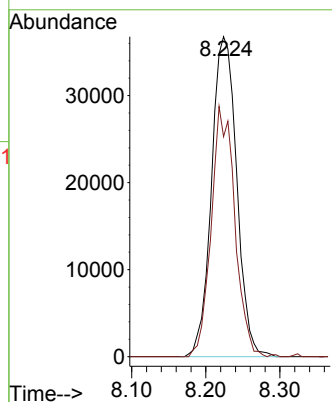
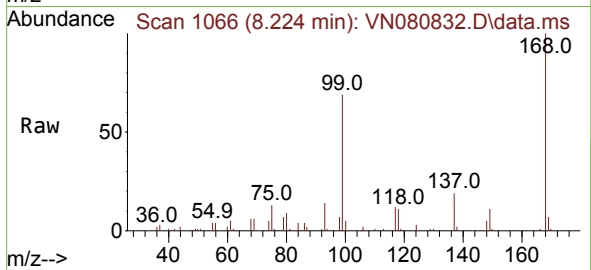




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

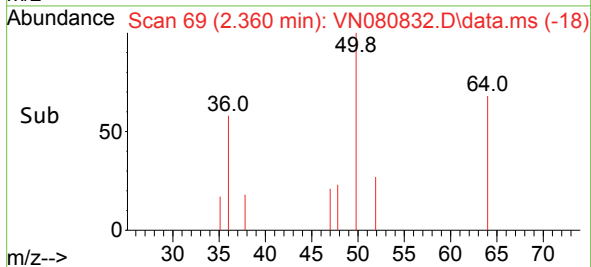
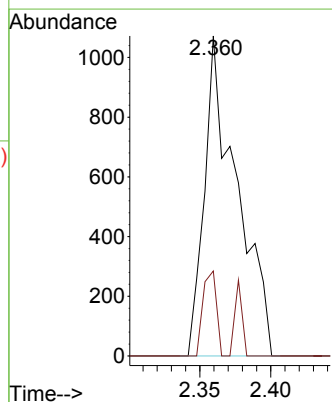
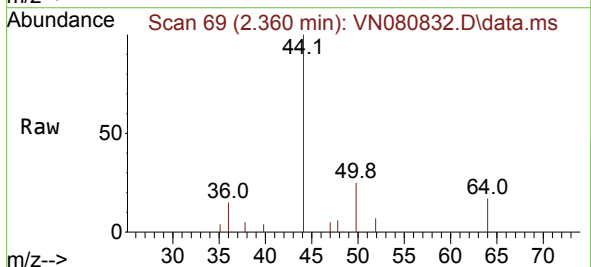
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

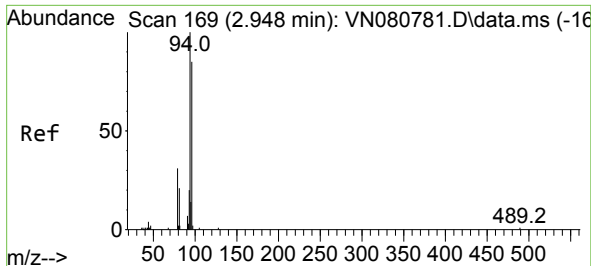
Tgt Ion:168 Resp: 86744
Ion Ratio Lower Upper
168 100
99 68.8 59.9 89.9



#3
Chloromethane
Concen: 0.874 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

Tgt Ion: 50 Resp: 1692
Ion Ratio Lower Upper
50 100
52 26.6 25.0 37.4

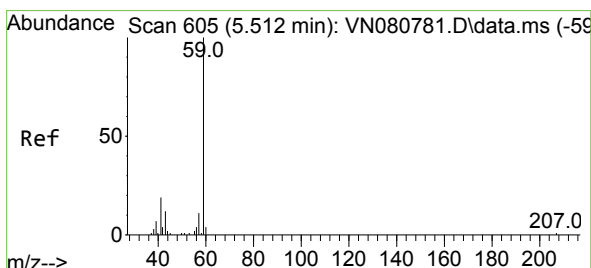
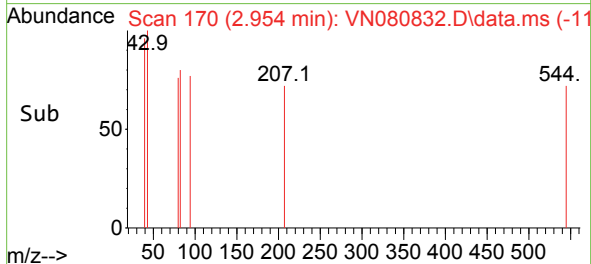
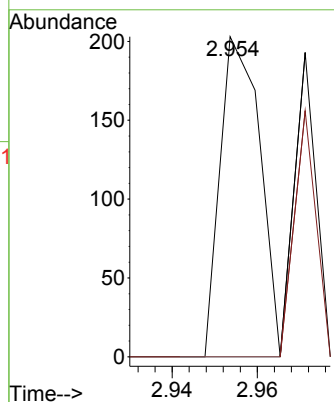
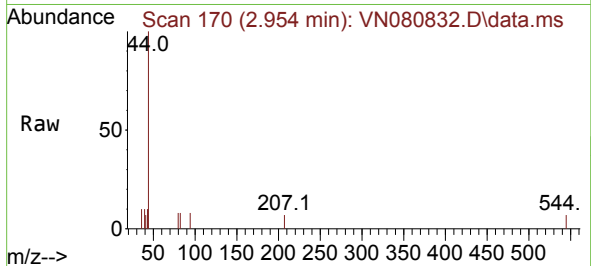




#5
Bromomethane
Concen: 0.222 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

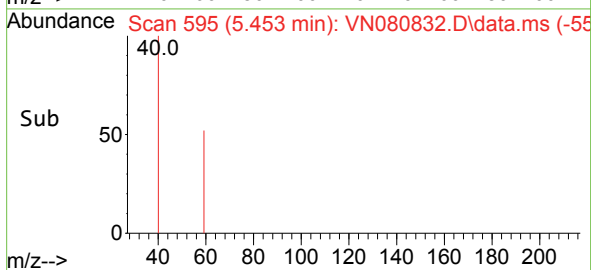
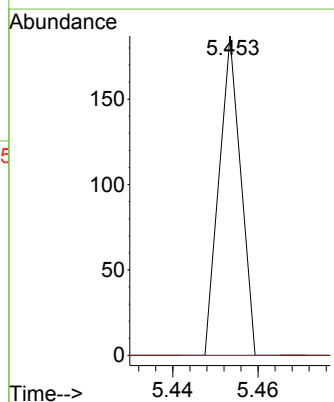
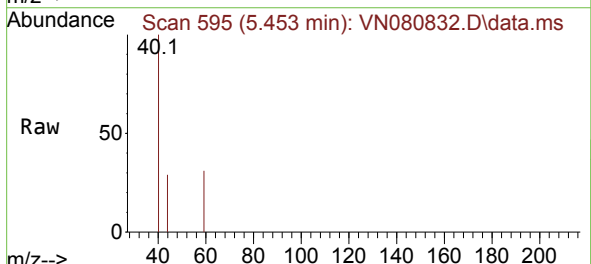
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

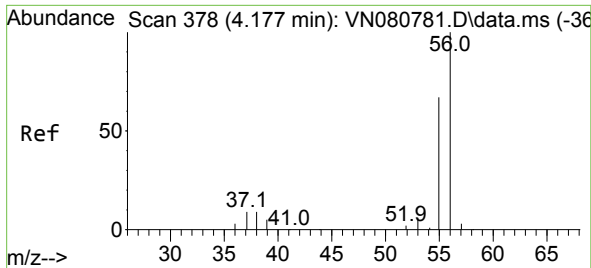
Tgt Ion: 94 Resp: 131
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#11
Tert butyl alcohol
Concen: 0.270 ug/l
RT: 5.453 min Scan# 595
Delta R.T. -0.059 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.551 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN080832.D

Acq: 31 Jan 2024 11:48

Instrument :

MSVOA_N

ClientSampleId :

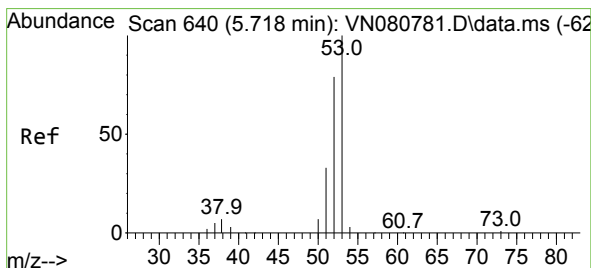
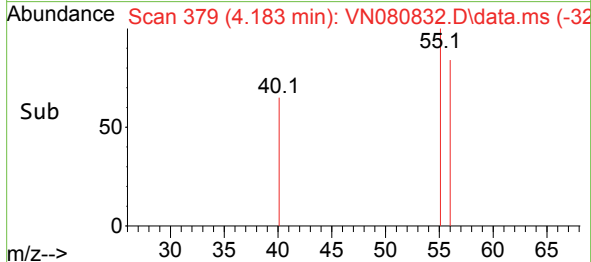
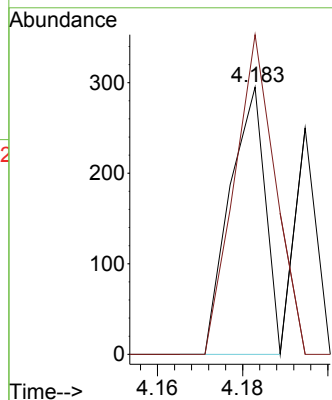
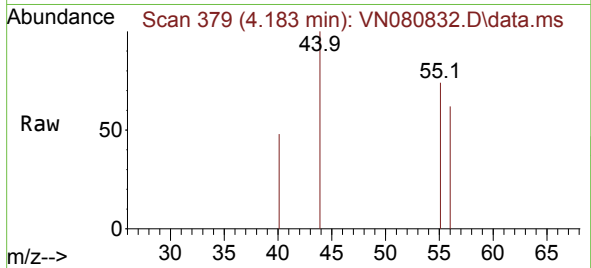
VN0131MBL01

Tgt Ion: 56 Resp: 170

Ion Ratio Lower Upper

56 100

55 138.8 55.3 82.9#



#15

Acrylonitrile

Concen: 0.421 ug/l

RT: 5.724 min Scan# 641

Delta R.T. 0.006 min

Lab File: VN080832.D

Acq: 31 Jan 2024 11:48

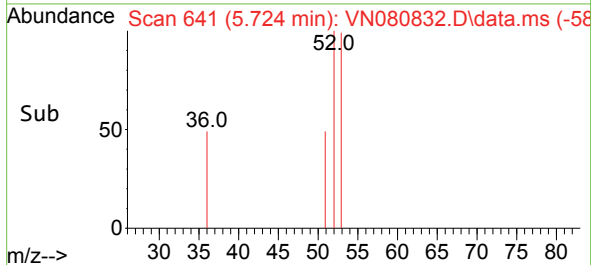
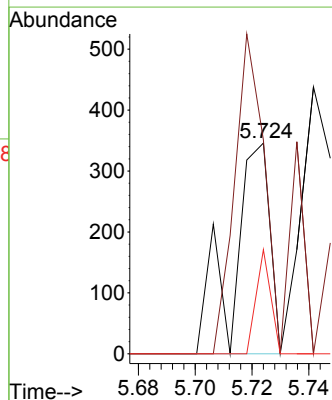
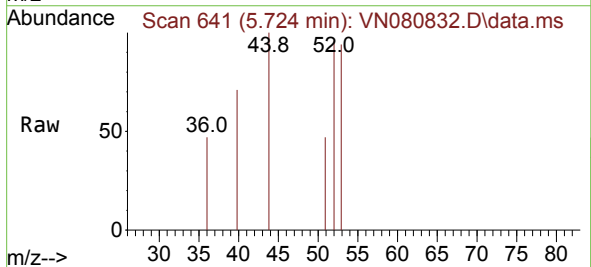
Tgt Ion: 53 Resp: 310

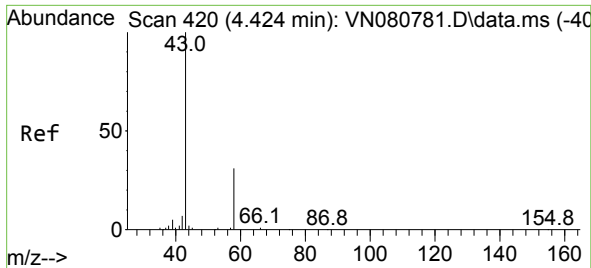
Ion Ratio Lower Upper

53 100

52 121.9 64.8 97.2#

51 19.4 26.9 40.3#

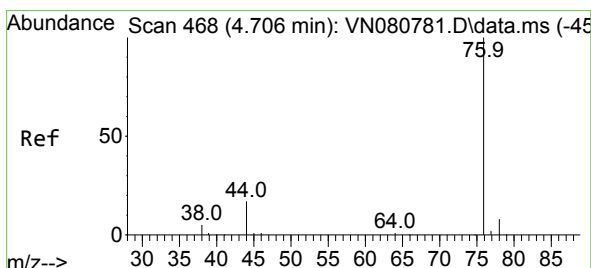
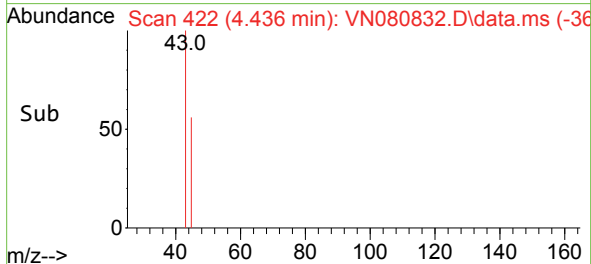
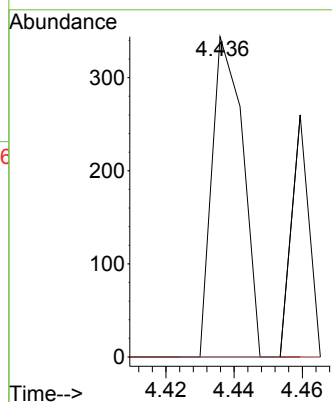
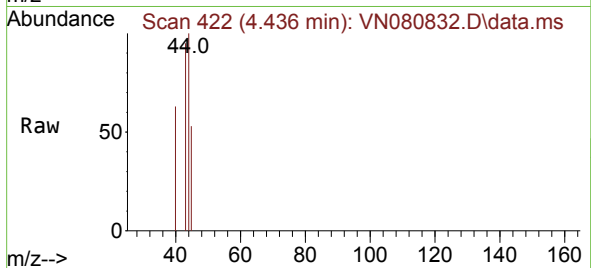




#16
Acetone
Concen: 0.397 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

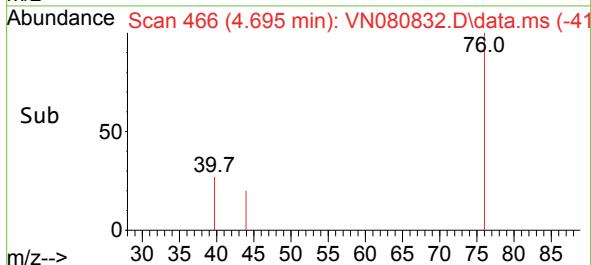
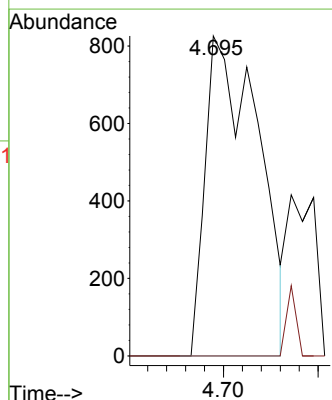
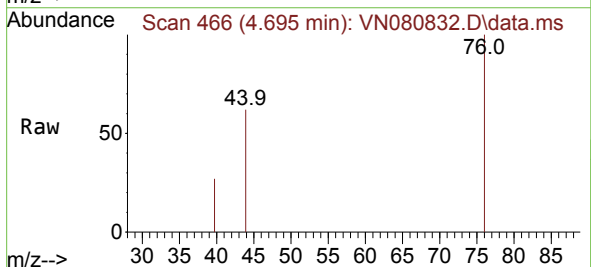
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

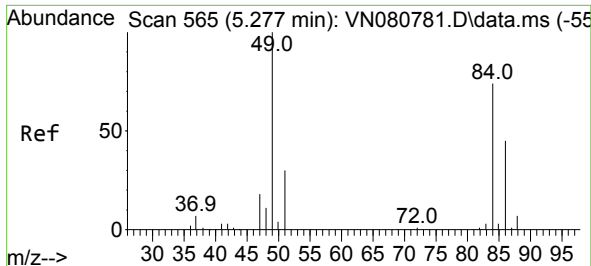
Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.422 ug/l
RT: 4.695 min Scan# 466
Delta R.T. -0.012 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

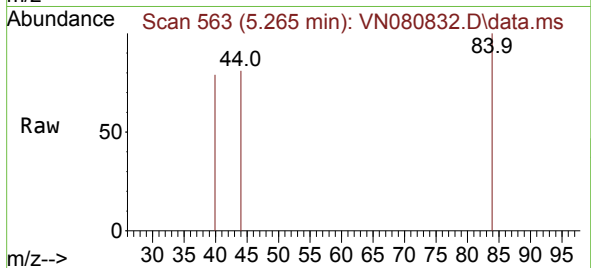
Tgt Ion: 76 Resp: 1600
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



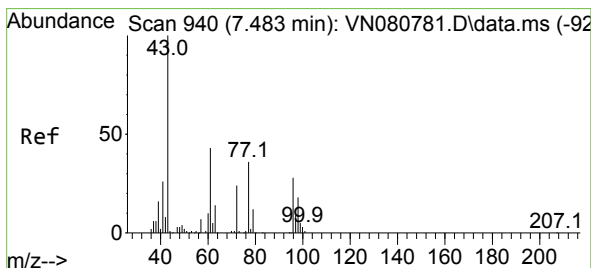
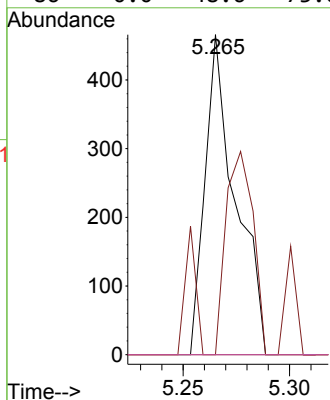


#20
Methylene Chloride
Concen: 0.323 ug/l
RT: 5.265 min Scan# 501
Delta R.T. -0.012 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

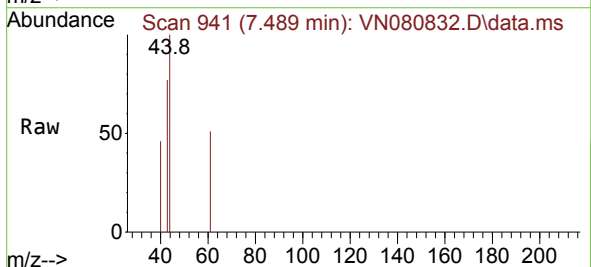
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01



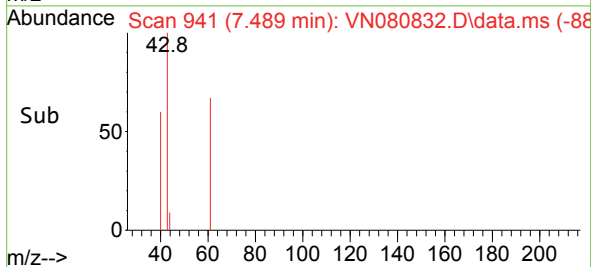
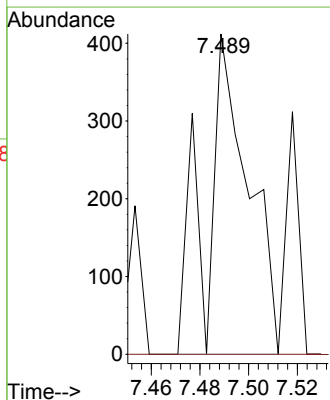
Tgt Ion	Ratio	Lower	Upper
84	100		
49	0.0	108.1	162.1#
51	0.0	32.9	49.3#
86	0.0	48.6	73.0#

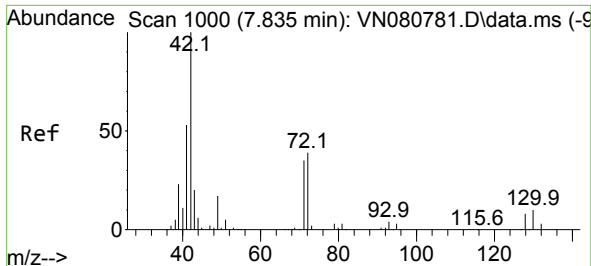


#25
2-Butanone
Concen: 0.484 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48



Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.5	29.3#

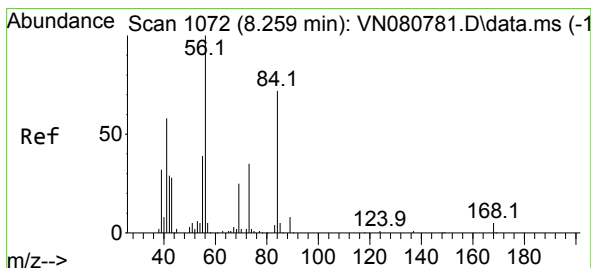
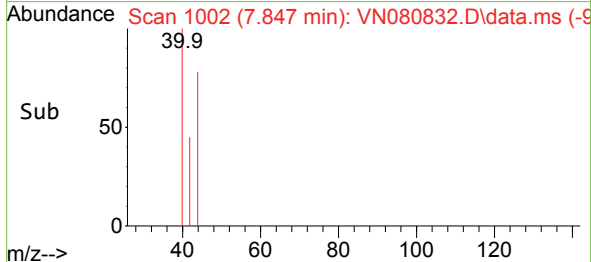
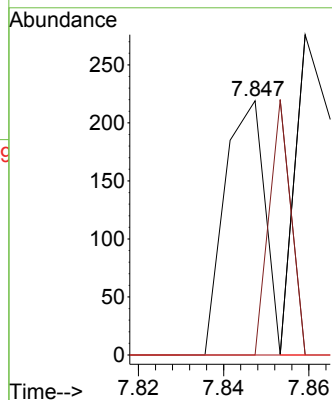
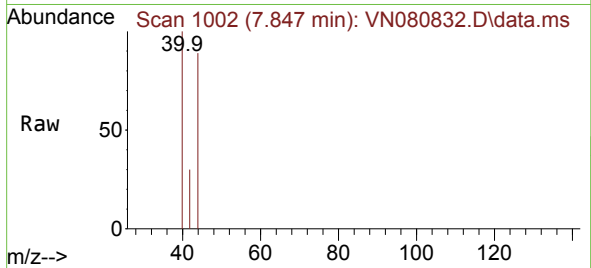




#29
Tetrahydrofuran
Concen: 0.204 ug/l
RT: 7.847 min Scan# 1064
Delta R.T. 0.012 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

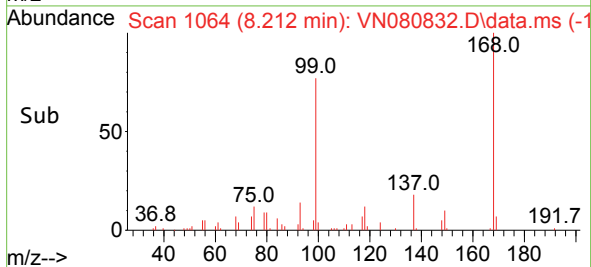
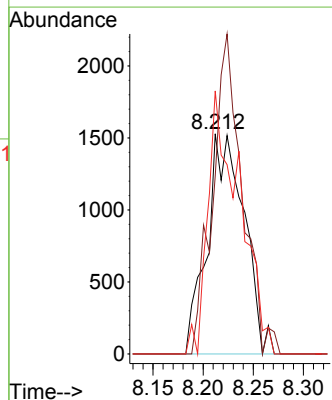
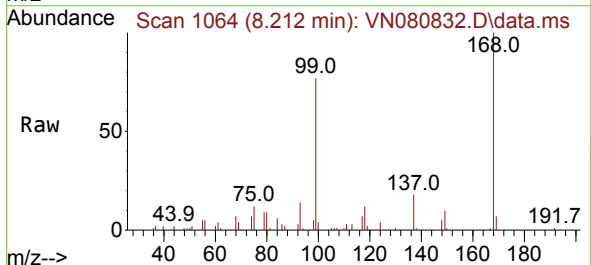
Instrument :
MSVOA_N
ClientSampleId :
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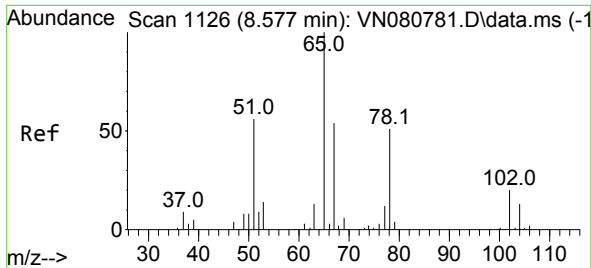
Tgt Ion: 42 Resp: 143
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.526 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.047 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

Tgt Ion: 56 Resp: 3926
Ion Ratio Lower Upper
56 100
69 80.8 20.1 30.1#
84 119.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 46.260 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080832.D

Acq: 31 Jan 2024 11:48

Instrument :

MSVOA_N

ClientSampleId :

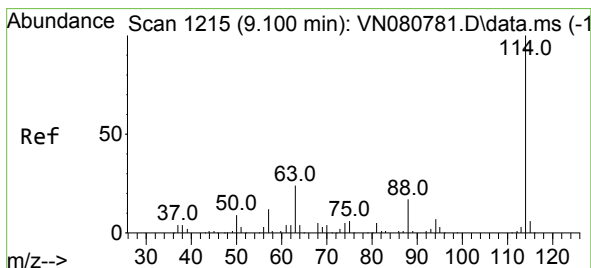
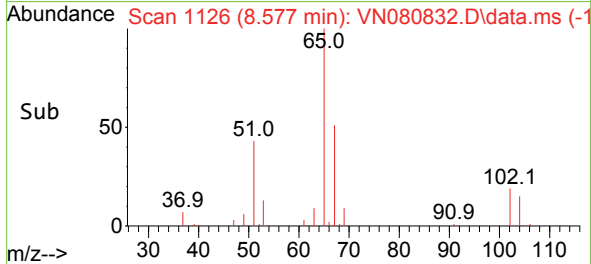
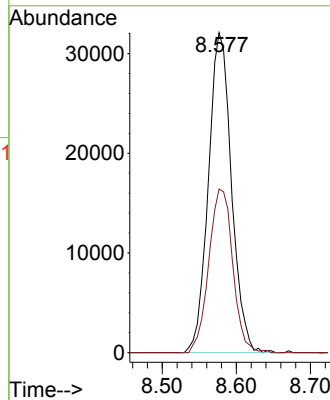
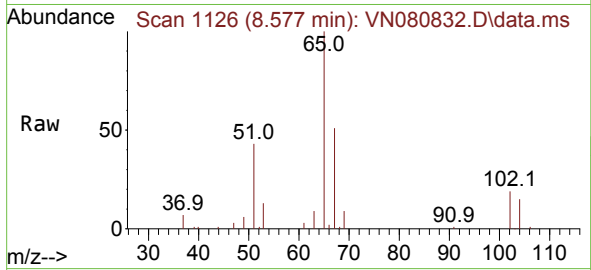
VN0131MBL01

Tgt Ion: 65 Resp: 69420

Ion Ratio Lower Upper

65 100

67 53.1 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080832.D

Acq: 31 Jan 2024 11:48

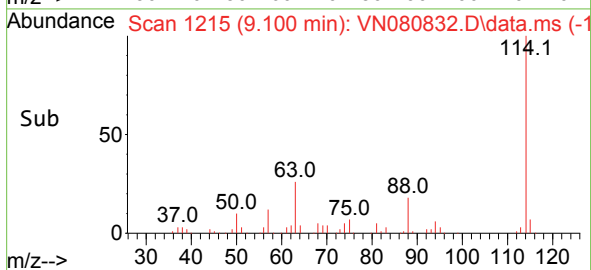
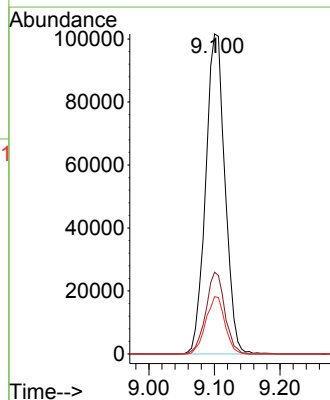
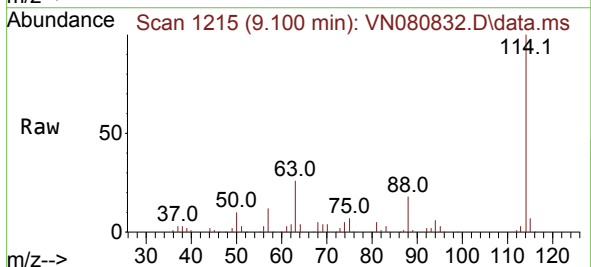
Tgt Ion: 114 Resp: 208352

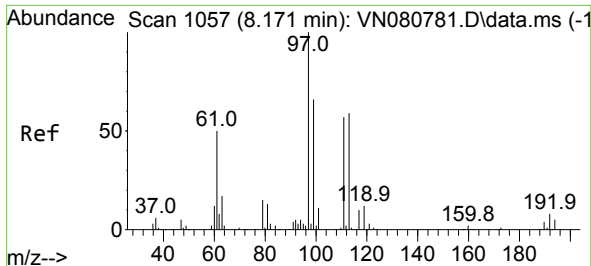
Ion Ratio Lower Upper

114 100

63 25.5 0.0 48.0

88 17.9 0.0 34.8

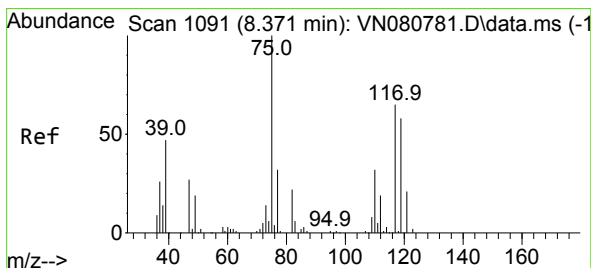
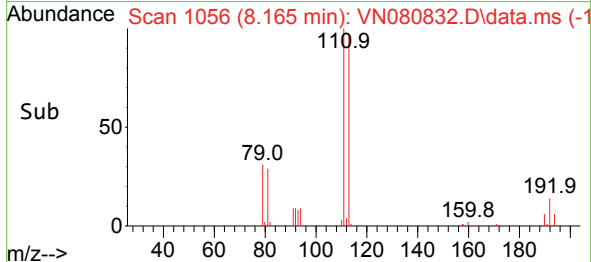
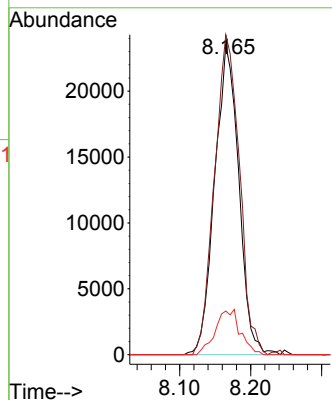
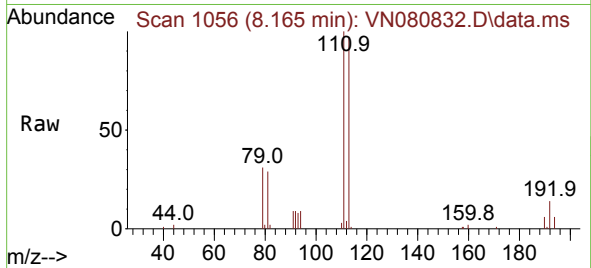




#35
Dibromofluoromethane
Concen: 43.432 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

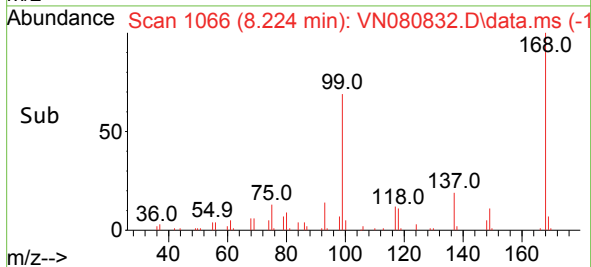
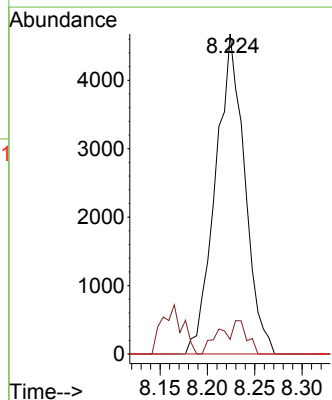
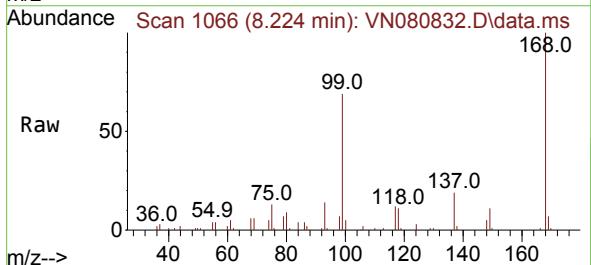
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

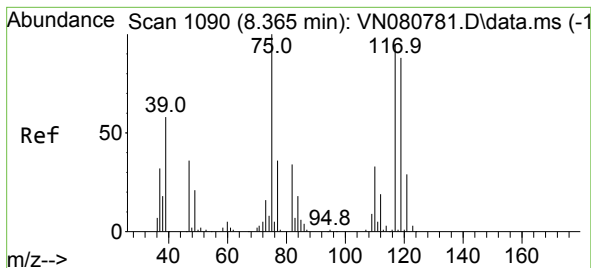
Tgt Ion:113 Resp: 55363
Ion Ratio Lower Upper
113 100
111 106.7 82.2 123.4
192 15.1 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.227 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

Tgt Ion: 75 Resp: 10014
Ion Ratio Lower Upper
75 100
110 9.6 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 4.824 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080832.D

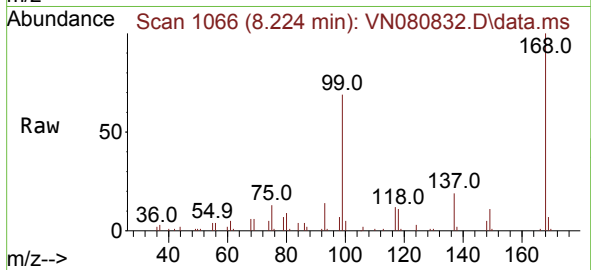
Acq: 31 Jan 2024 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0131MBL01



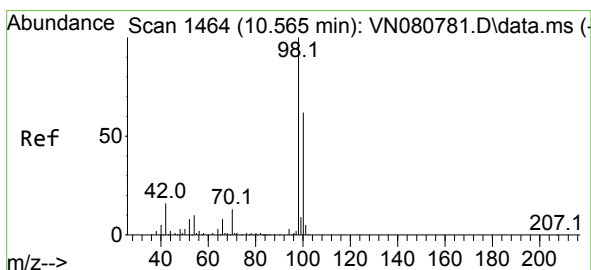
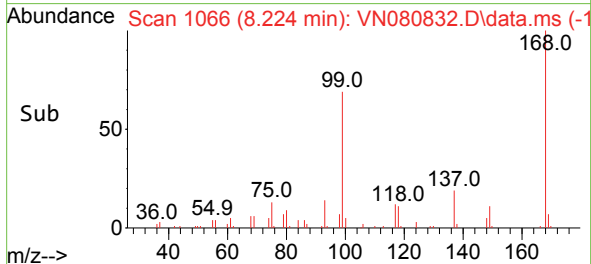
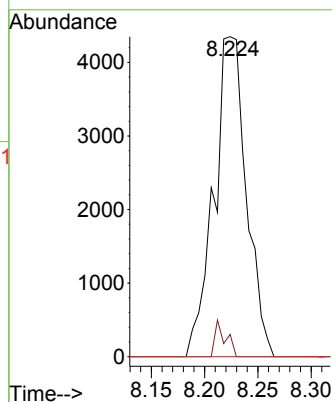
Tgt Ion:117 Resp: 9208

Ion Ratio Lower Upper

117 100

119 6.9 73.4 110.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 45.509 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080832.D

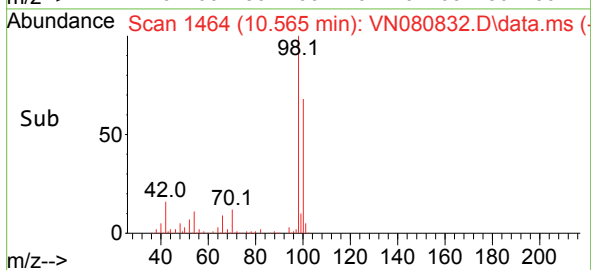
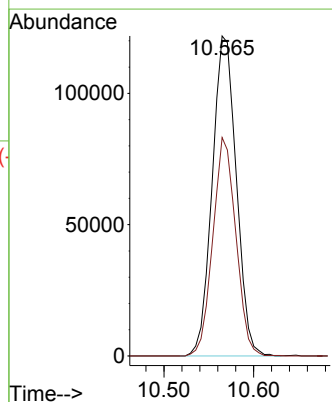
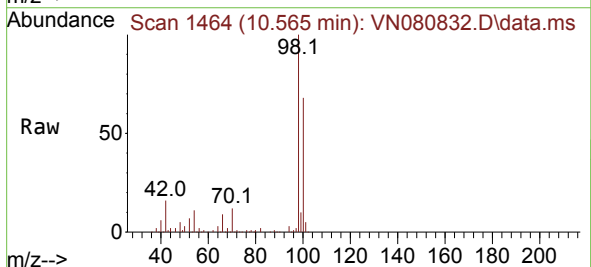
Acq: 31 Jan 2024 11:48

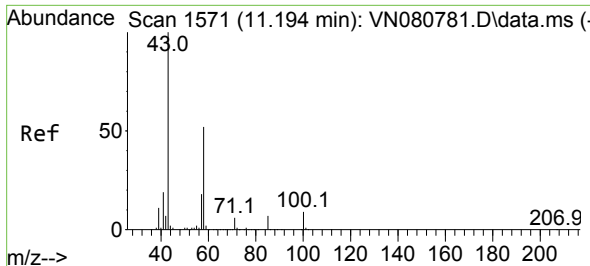
Tgt Ion: 98 Resp: 227049

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0

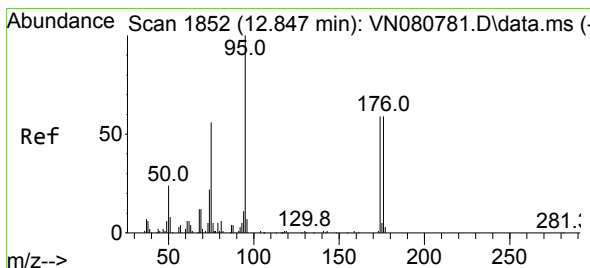
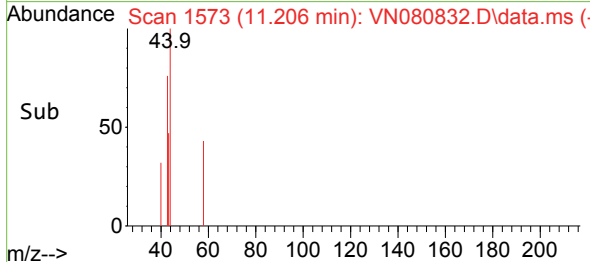
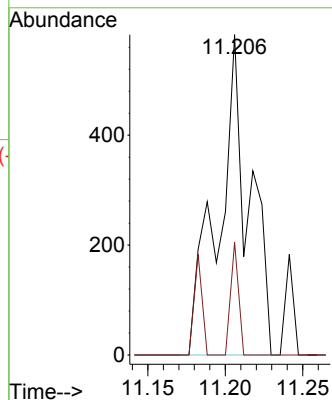
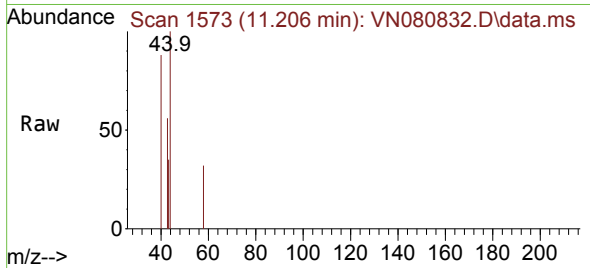




#59
2-Hexanone
Concen: 0.415 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

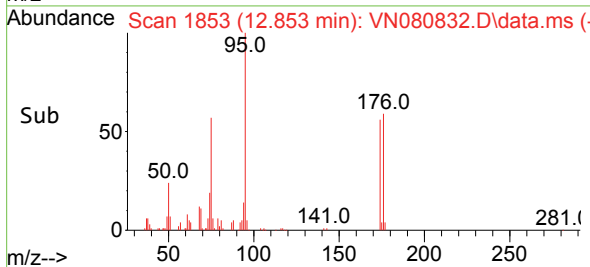
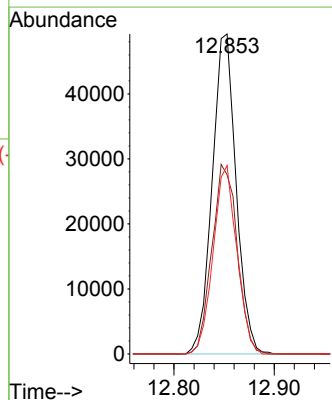
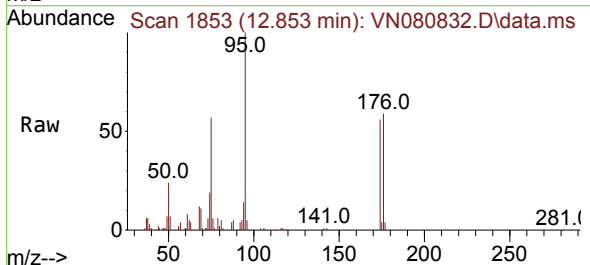
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

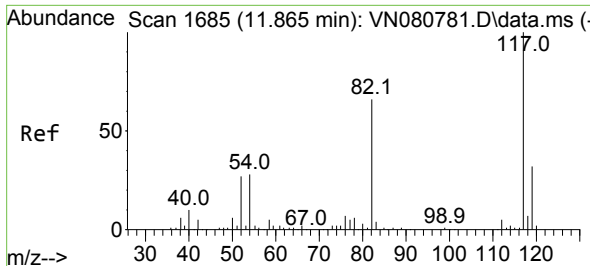
Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
58 9.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 46.939 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

Tgt Ion: 95 Resp: 81607
Ion Ratio Lower Upper
95 100
174 62.5 0.0 120.4
176 58.4 0.0 121.0

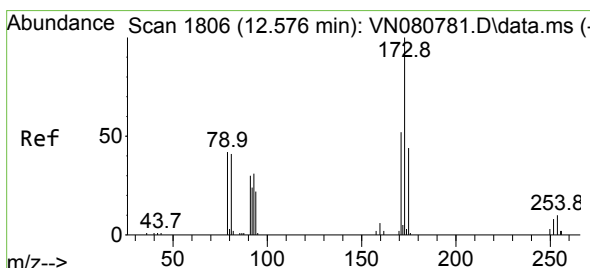
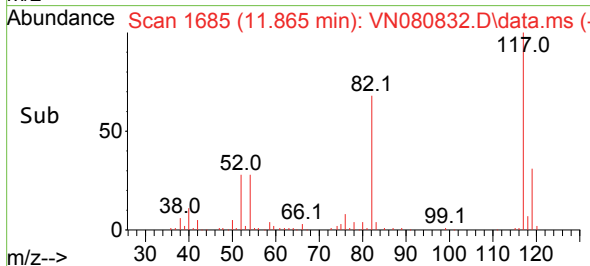
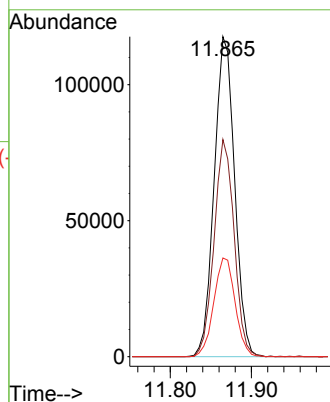
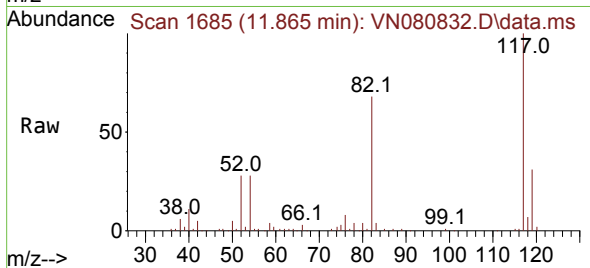




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

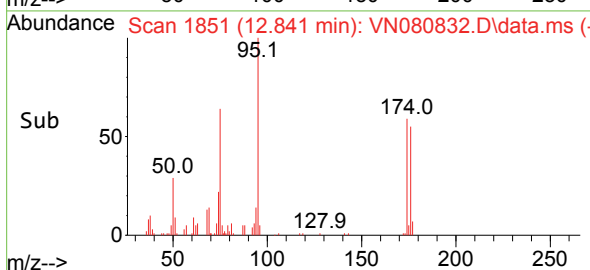
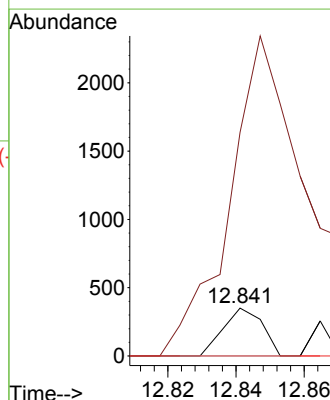
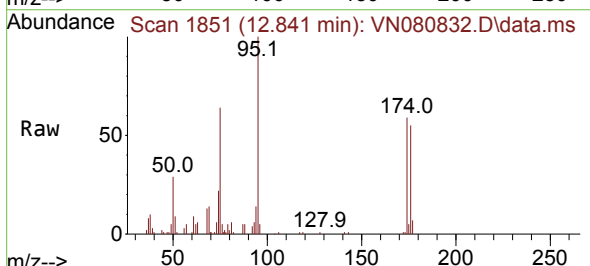
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

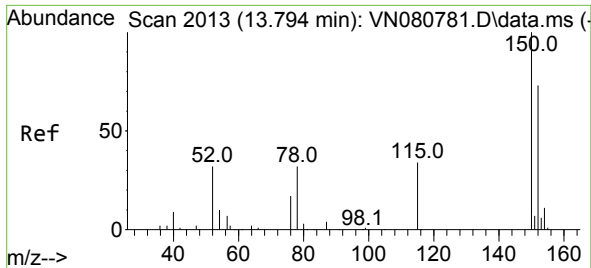
Tgt Ion:117 Resp: 205848
Ion Ratio Lower Upper
117 100
82 67.8 52.7 79.1
119 30.8 25.3 37.9



#71
Bromoform
Concen: 0.283 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

Tgt Ion:173 Resp: 280
Ion Ratio Lower Upper
173 100
175 904.3 23.1 69.2#
254 0.0 0.0 0.0

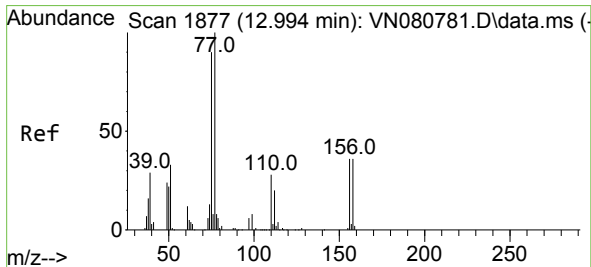
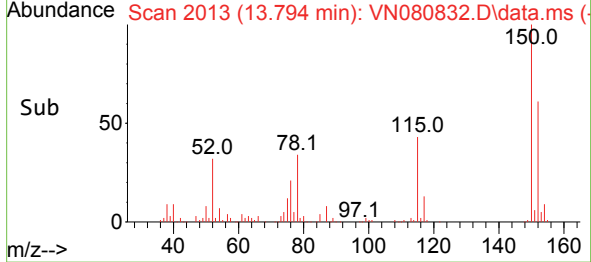
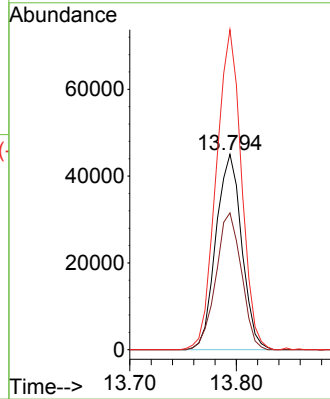
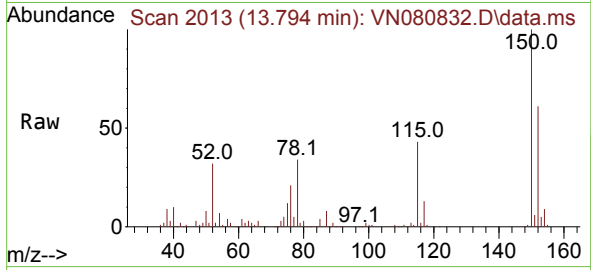




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080832.D
 Acq: 31 Jan 2024 11:48

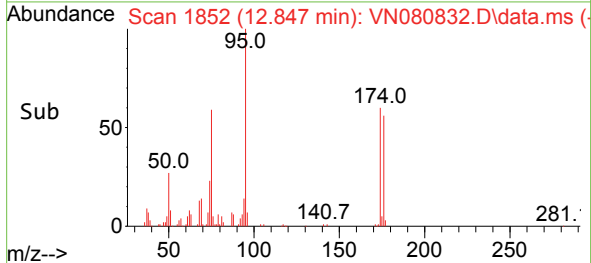
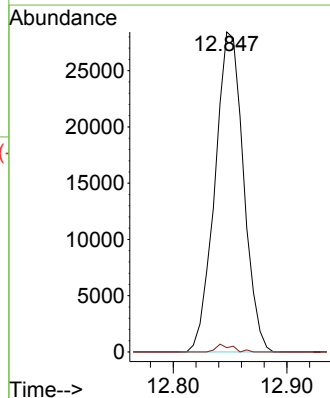
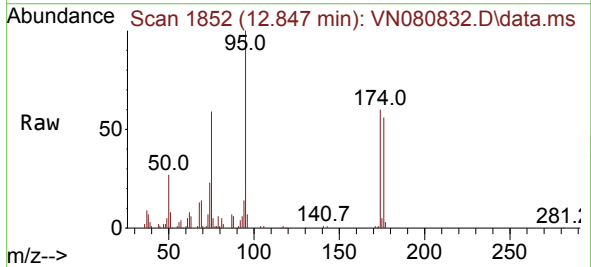
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131MBL01

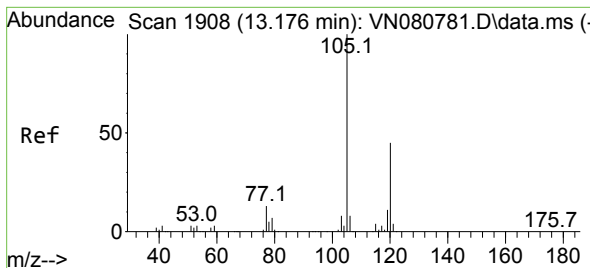
Tgt Ion:152 Resp: 75559
 Ion Ratio Lower Upper
 152 100
 115 69.4 32.3 96.8
 150 160.0 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 21.821 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080832.D
 Acq: 31 Jan 2024 11:48

Tgt Ion: 75 Resp: 49727
 Ion Ratio Lower Upper
 75 100
 77 1.4 91.0 272.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.262 ug/l

RT: 13.171 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VN080832.D

Acq: 31 Jan 2024 11:48

Instrument :

MSVOA_N

ClientSampleId :

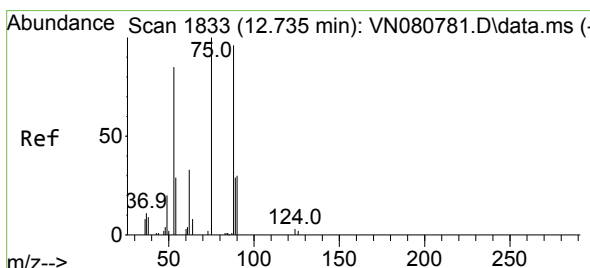
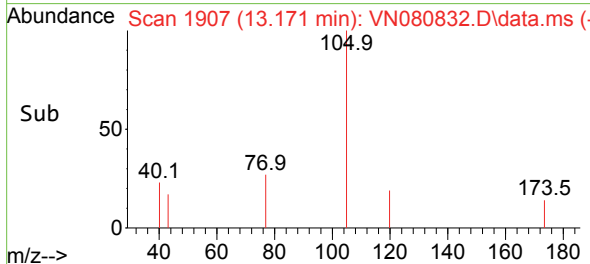
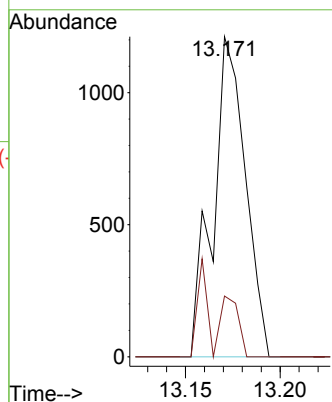
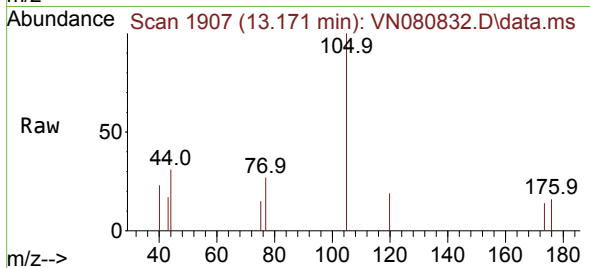
VN0131MBL01

Tgt Ion:105 Resp: 1446

Ion Ratio Lower Upper

105 100

120 9.1 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.215 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080832.D

Acq: 31 Jan 2024 11:48

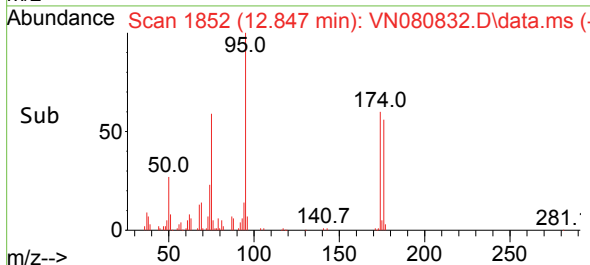
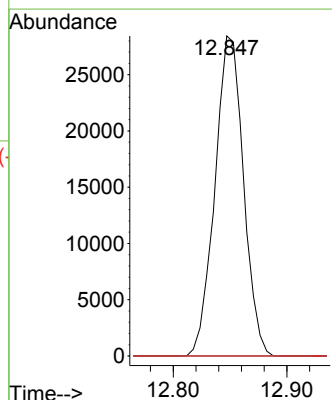
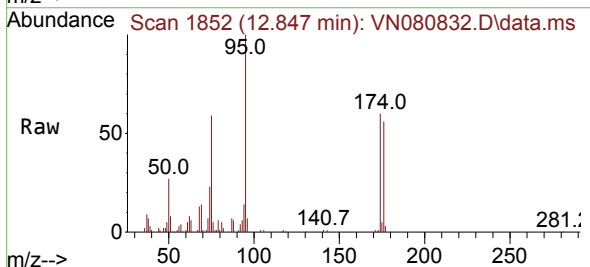
Tgt Ion: 75 Resp: 49727

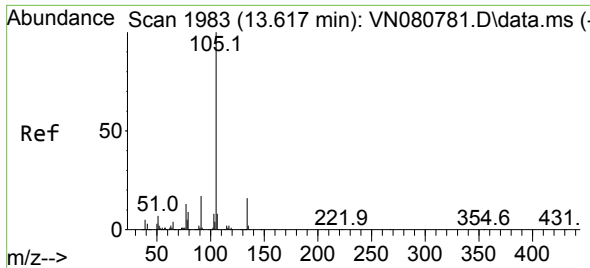
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#

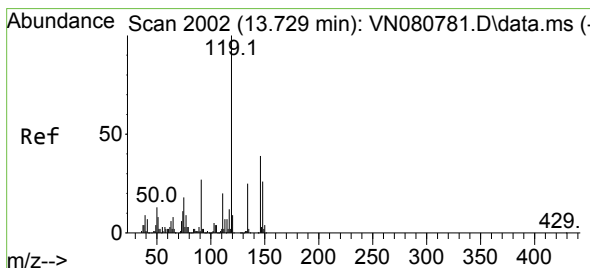
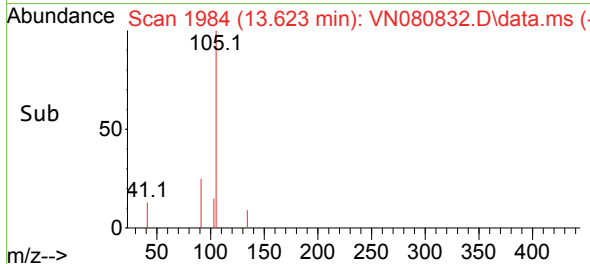
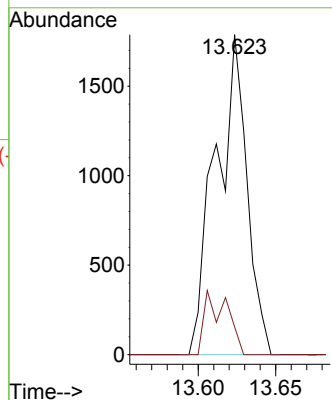
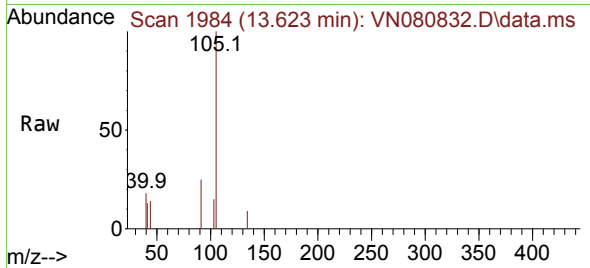




#85
 sec-Butylbenzene
 Concen: 0.386 ug/l
 RT: 13.623 min Scan# 1983
 Delta R.T. 0.006 min
 Lab File: VN080832.D
 Acq: 31 Jan 2024 11:48

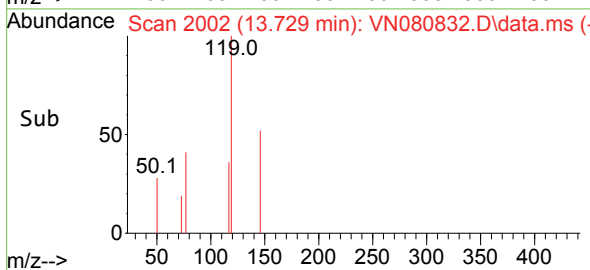
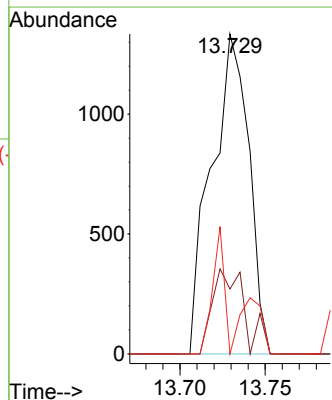
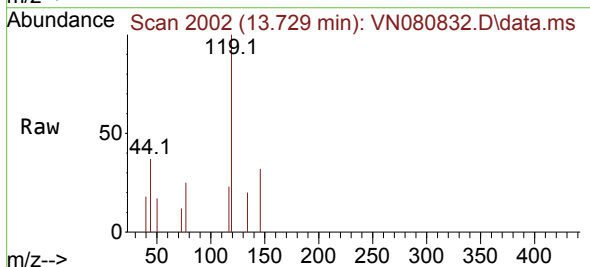
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131MBL01

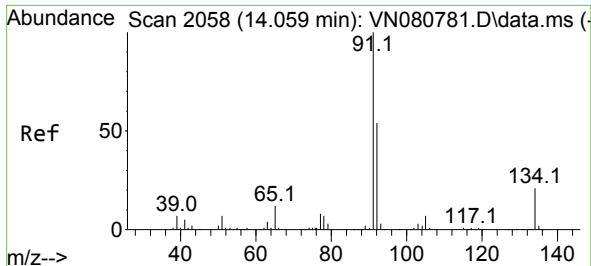
Tgt Ion:105 Resp: 2502
 Ion Ratio Lower Upper
 105 100
 134 14.3 8.6 25.8



#86
 p-Isopropyltoluene
 Concen: 0.404 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080832.D
 Acq: 31 Jan 2024 11:48

Tgt Ion:119 Resp: 2037
 Ion Ratio Lower Upper
 119 100
 134 22.7 12.4 37.2
 91 15.3 13.5 40.4

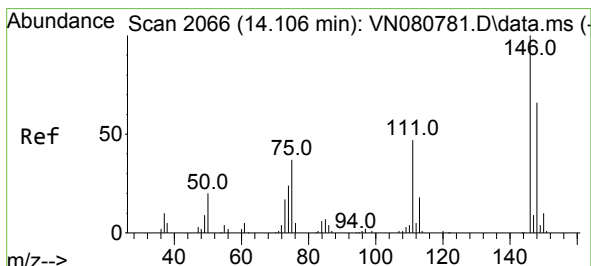
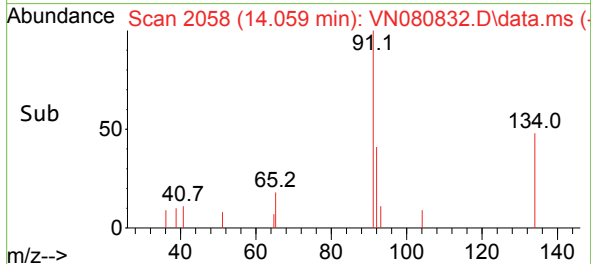
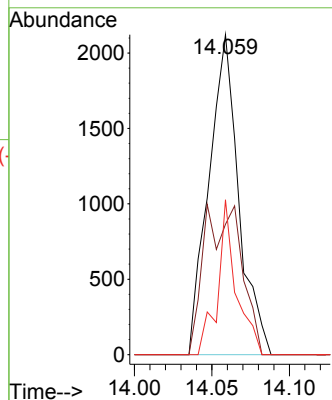
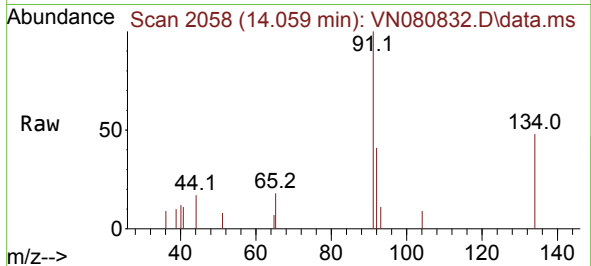




#89
n-Butylbenzene
Concen: 0.577 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

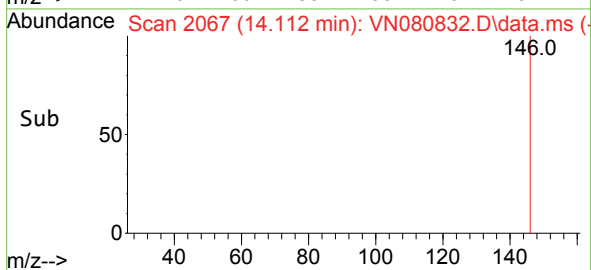
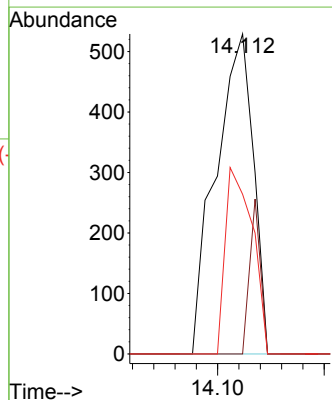
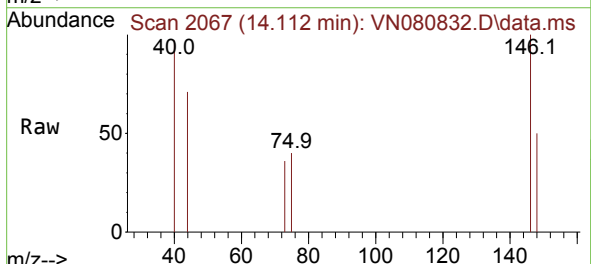
Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

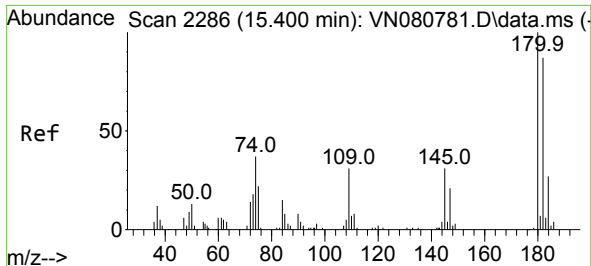
Tgt Ion: 91	Resp:	2846
Ion Ratio	Lower	Upper
91	100	
92	58.4	26.7 80.1
134	29.8	10.8 32.4



#91
1,2-Dichlorobenzene
Concen: 0.268 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

Tgt Ion: 146	Resp:	648
Ion Ratio	Lower	Upper
146	100	
111	13.9	23.9 71.8#
148	42.1	31.4 94.0

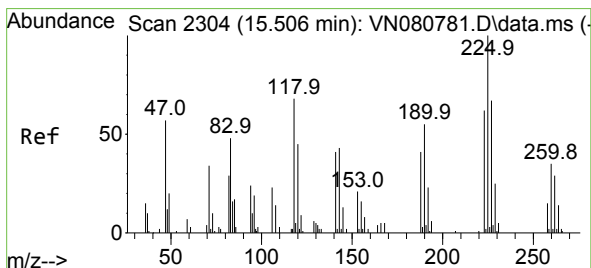
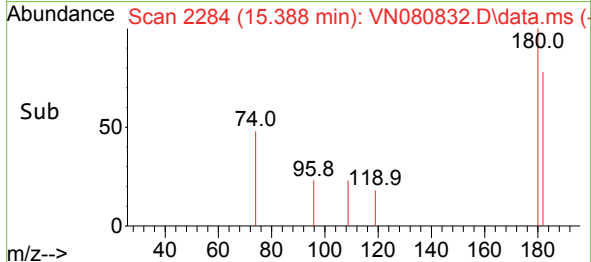
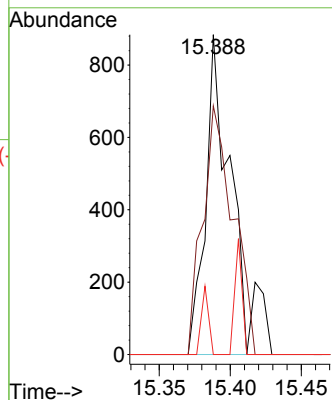
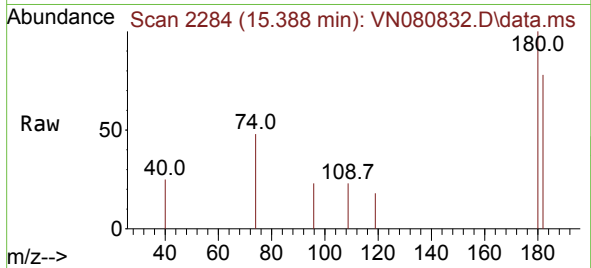




#93
 1,2,4-Trichlorobenzene
 Concen: 0.914 ug/l
 RT: 15.388 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN080832.D
 Acq: 31 Jan 2024 11:48

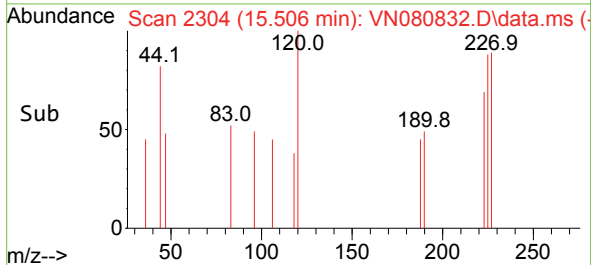
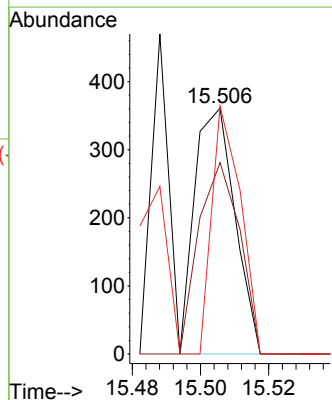
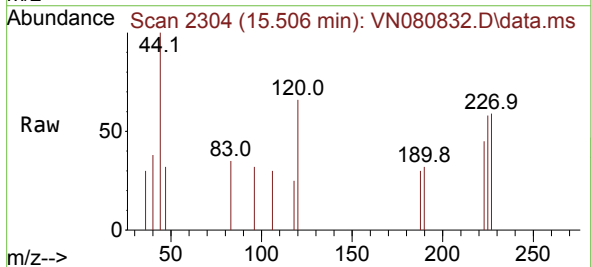
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131MBL01

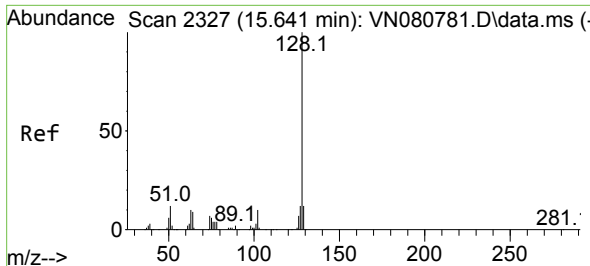
Tgt Ion:180 Resp: 1139
 Ion Ratio Lower Upper
 180 100
 182 90.1 46.6 139.7
 145 5.9 16.8 50.3#



#94
 Hexachlorobutadiene
 Concen: 0.544 ug/l
 RT: 15.506 min Scan# 2304
 Delta R.T. 0.000 min
 Lab File: VN080832.D
 Acq: 31 Jan 2024 11:48

Tgt Ion:225 Resp: 296
 Ion Ratio Lower Upper
 225 100
 223 79.4 33.3 99.8
 227 72.0 33.1 99.2

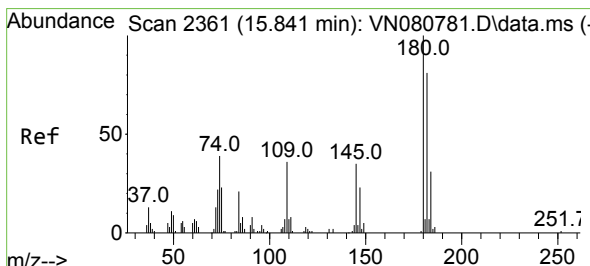
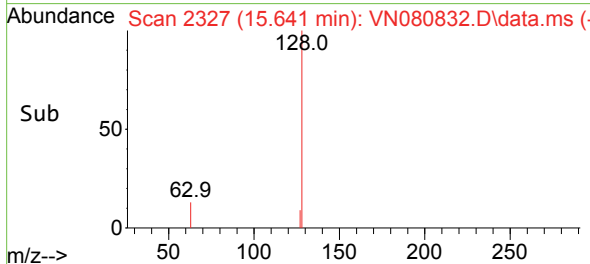
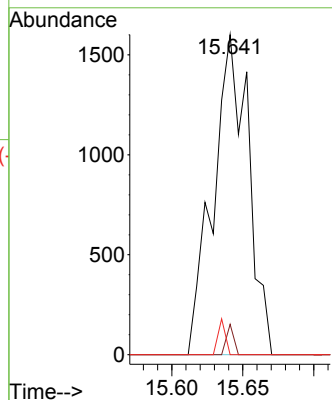
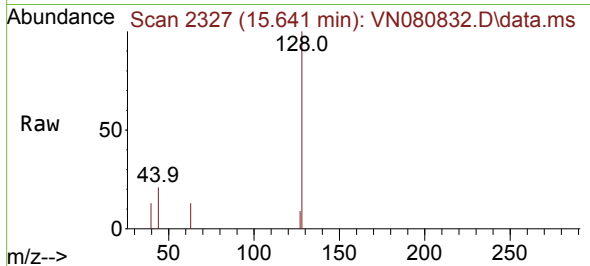




#95
Naphthalene
Concen: 0.579 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN0131MBL01

Tgt Ion:128 Resp: 2763
Ion Ratio Lower Upper
128 100
127 2.0 10.0 15.0#
129 2.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.459 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN080832.D
Acq: 31 Jan 2024 11:48

Tgt Ion:180 Resp: 562
Ion Ratio Lower Upper
180 100
182 188.3 46.5 139.3#
145 84.9 17.8 53.4#

