

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022624\
 Data File : VN081185.D
 Acq On : 26 Feb 2024 11:04
 Operator : JC\MD
 Sample : VN0226WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBL01

Quant Time: Feb 27 00:03:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

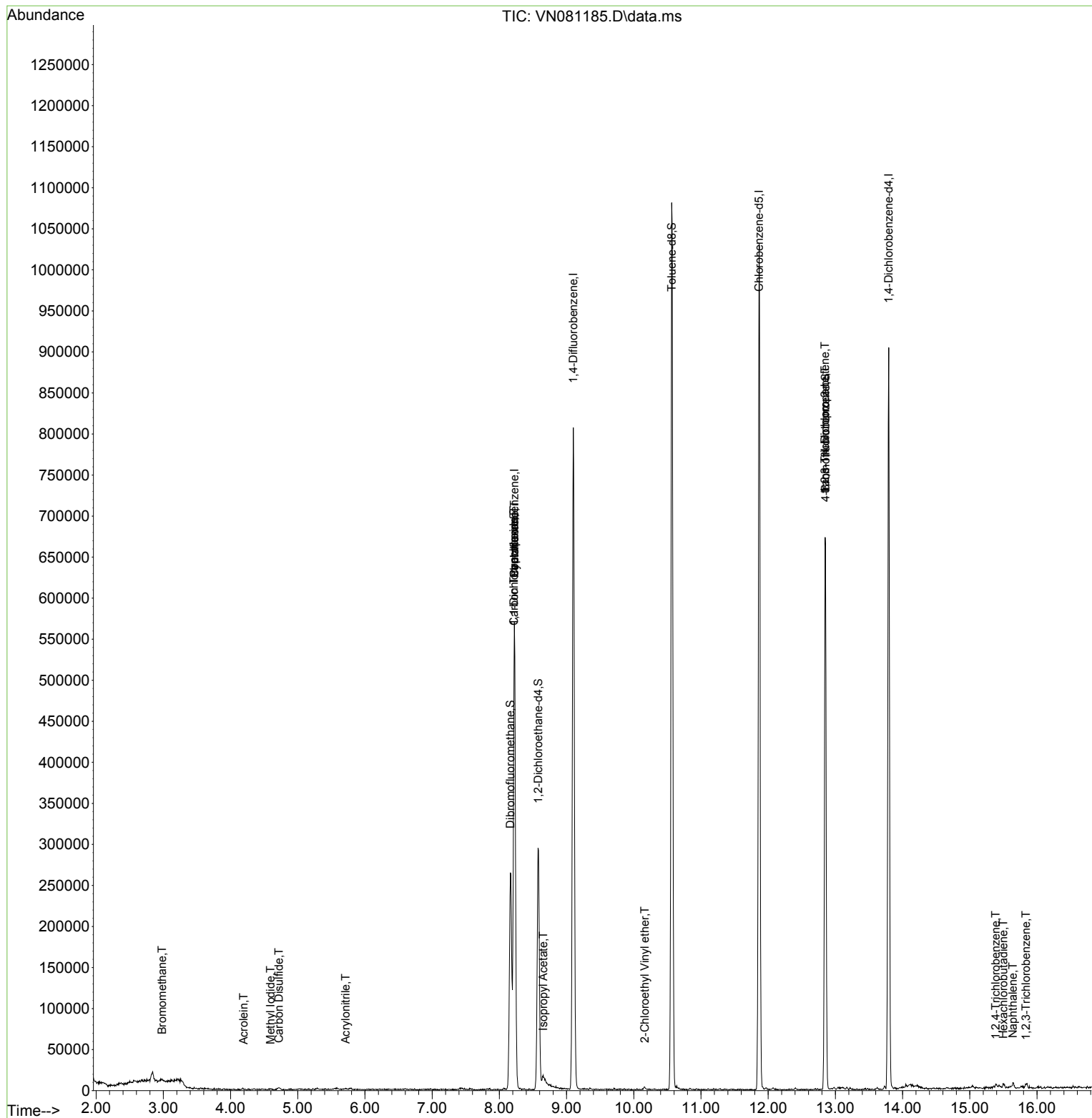
Internal Standards						
1) Pentafluorobenzene	8.224	168	390313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	700935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	581890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	232810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	239921	50.149	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.300%	
35) Dibromofluoromethane	8.165	113	191860	48.406	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.820%	
50) Toluene-d8	10.565	98	744721	52.901	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.800%	
62) 4-Bromofluorobenzene	12.853	95	239212	45.222	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	910	Below Cal	#	45
5) Bromomethane	2.983	94	1834	0.461	ug/l	85
6) Chloroethane	3.106	64	129	Below Cal	#	42
10) Methyl Iodide	4.594	142	1783	0.350	ug/l	# 85
13) Acrolein	4.195	56	859	1.822	ug/l	# 15
15) Acrylonitrile	5.712	53	1057	0.460	ug/l	# 42
17) Carbon Disulfide	4.718	76	5143	0.418	ug/l	98
20) Methylene Chloride	5.271	84	512	Below Cal	#	30
31) Cyclohexane	8.224	56	10027	1.214	ug/l	# 3
36) 1,1-Dichloropropene	8.218	75	36355	5.354	ug/l	# 51
38) Carbon Tetrachloride	8.218	117	43978	6.401	ug/l	# 17
43) Isopropyl Acetate	8.653	43	10646	0.993	ug/l	# 57
49) 1,4-Dioxane	9.700	88	130	Below Cal	#	14
58) 2-Chloroethyl Vinyl ether	10.165	63	1455	0.396	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	126578	23.930	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	126578	61.593	ug/l	# 14
93) 1,2,4-Trichlorobenzene	15.388	180	2345	0.508	ug/l	# 51
94) Hexachlorobutadiene	15.500	225	732	0.425	ug/l	95
95) Naphthalene	15.641	128	6286	0.371	ug/l	# 93
96) 1,2,3-Trichlorobenzene	15.835	180	1628	0.355	ug/l	# 23

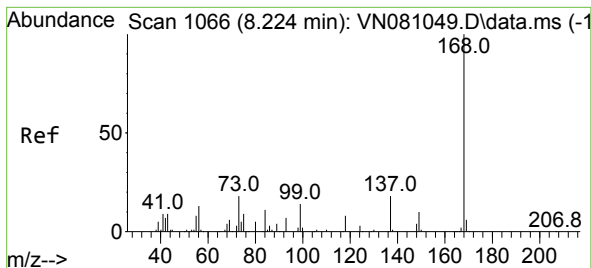
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081185.D

Acq: 26 Feb 2024 11:04

Instrument :

MSVOA_N

ClientSampleId :

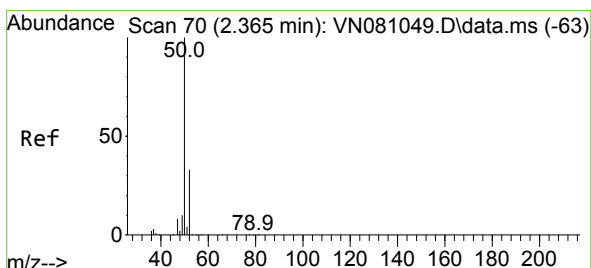
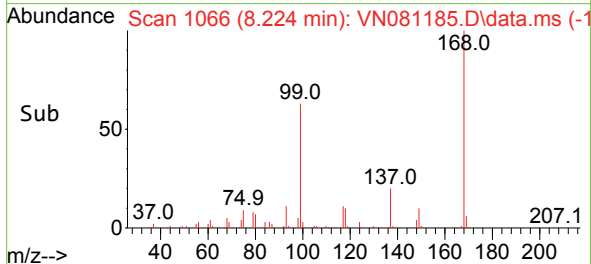
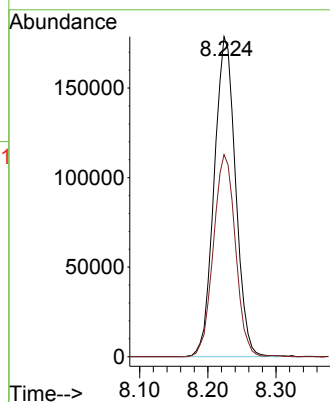
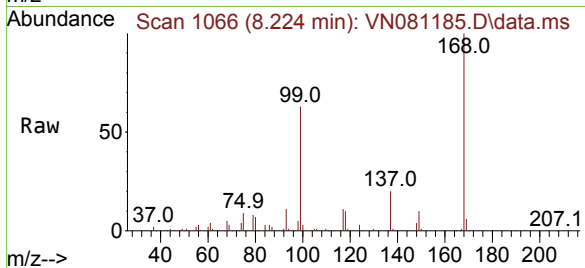
VN0226WBL01

Tgt Ion:168 Resp: 390313

Ion Ratio Lower Upper

168 100

99 63.1 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081185.D

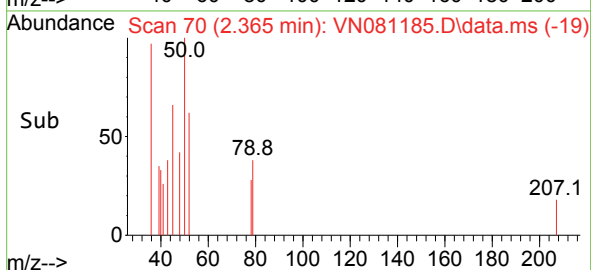
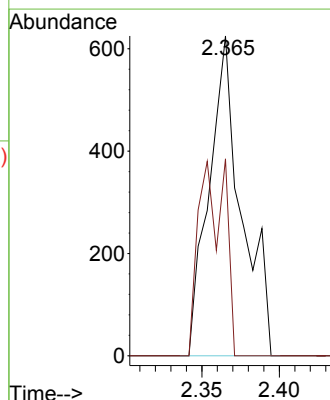
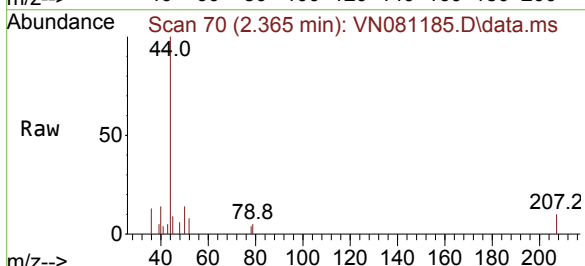
Acq: 26 Feb 2024 11:04

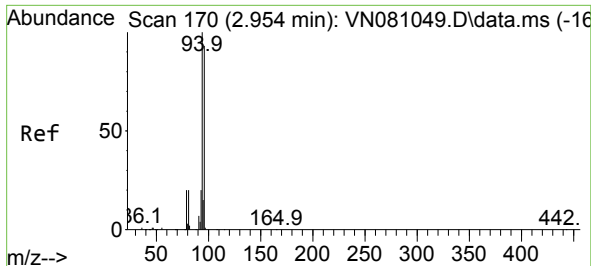
Tgt Ion: 50 Resp: 910

Ion Ratio Lower Upper

50 100

52 61.6 25.0 37.4#

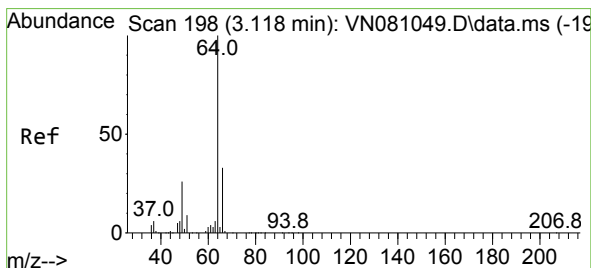
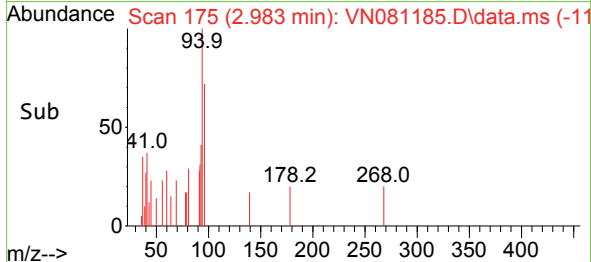
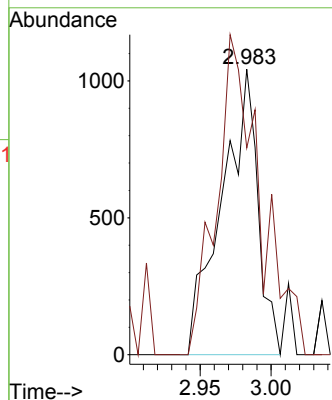
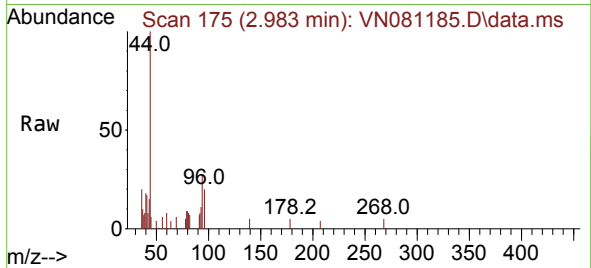




#5
Bromomethane
Concen: 0.461 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

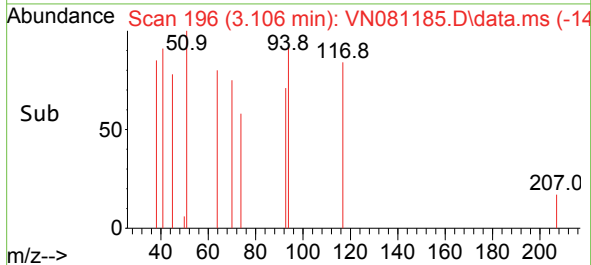
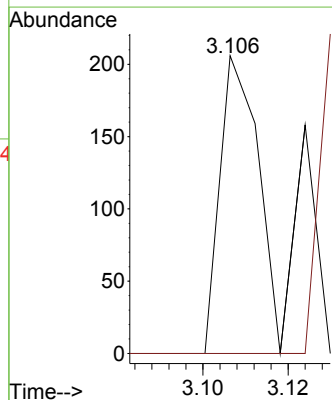
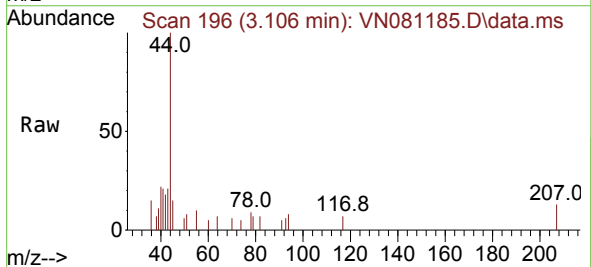
Instrument :
MSVOA_N
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VN0226WBL01

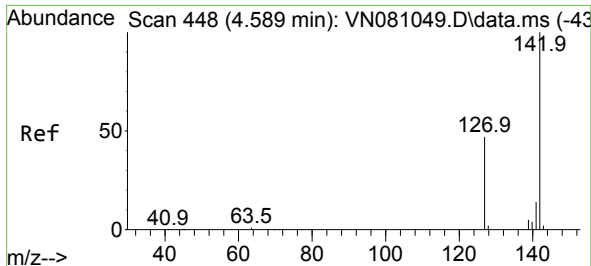
Tgt Ion: 94 Resp: 1834
Ion Ratio Lower Upper
94 100
96 72.4 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

Tgt Ion: 64 Resp: 129
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

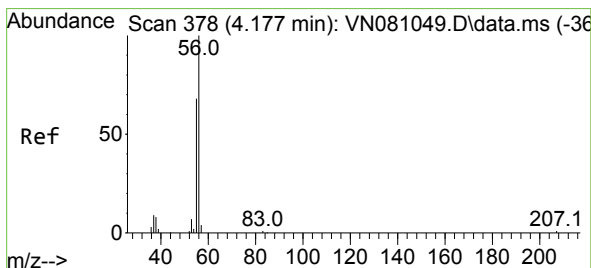
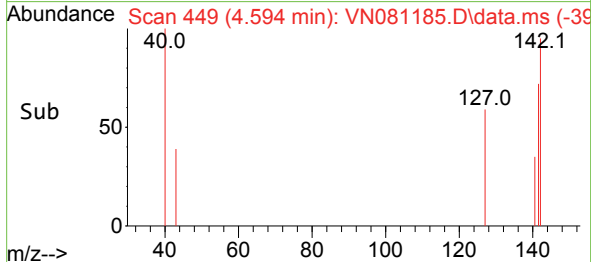
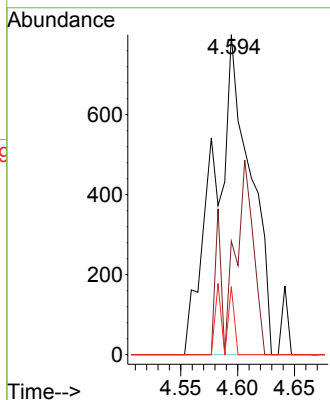
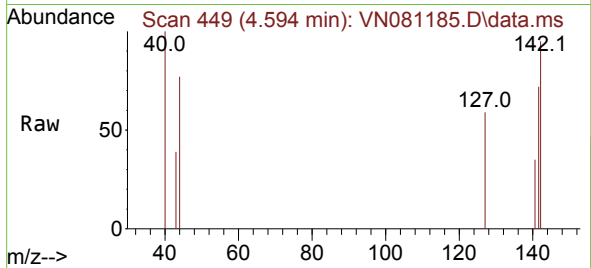




#10
Methyl Iodide
Concen: 0.350 ug/l
RT: 4.594 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

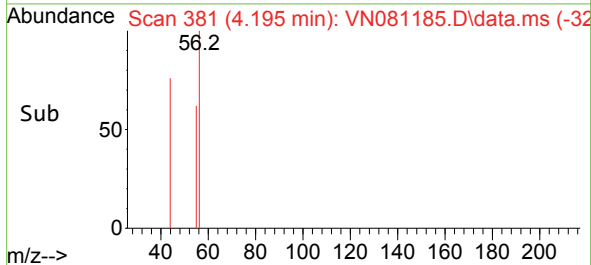
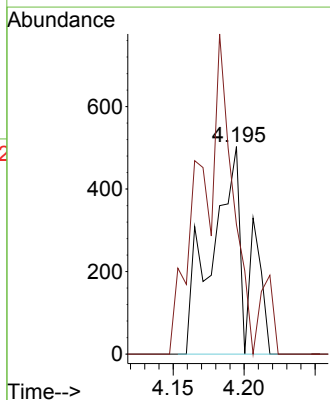
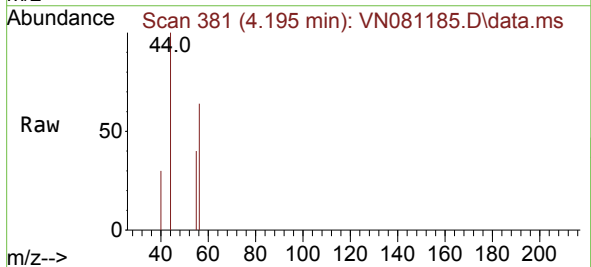
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBL01

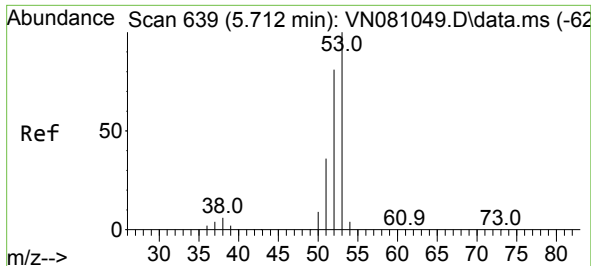
Tgt Ion:142 Resp: 1783
Ion Ratio Lower Upper
142 100
127 35.5 37.0 55.4#
141 21.3 12.5 18.7#



#13
Acrolein
Concen: 1.822 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

Tgt Ion: 56 Resp: 859
Ion Ratio Lower Upper
56 100
55 138.6 55.3 82.9#

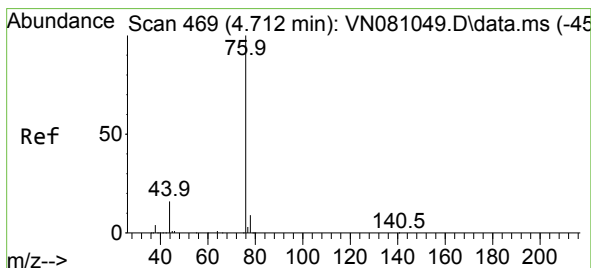
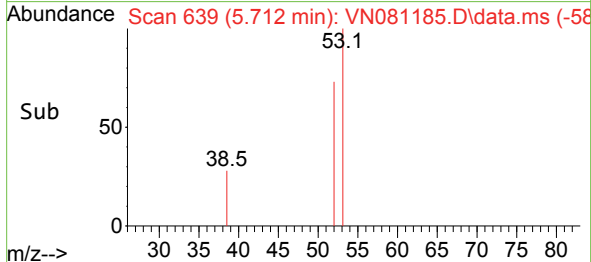
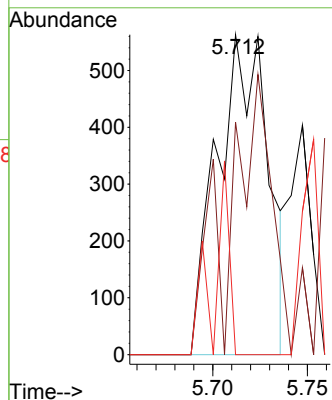
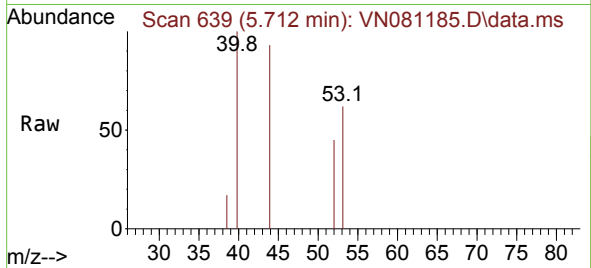




#15
Acrylonitrile
Concen: 0.460 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

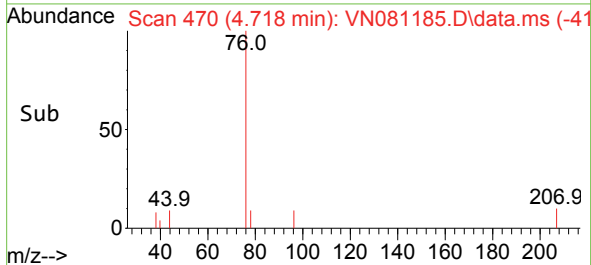
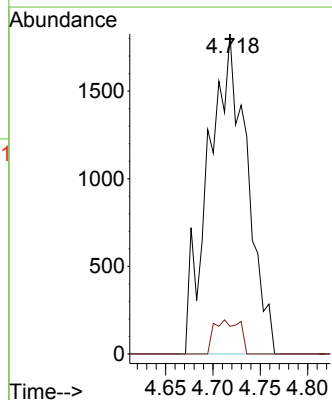
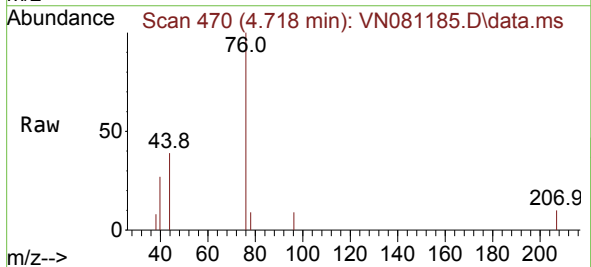
Instrument :
MSVOA_N
ClientSampleId :
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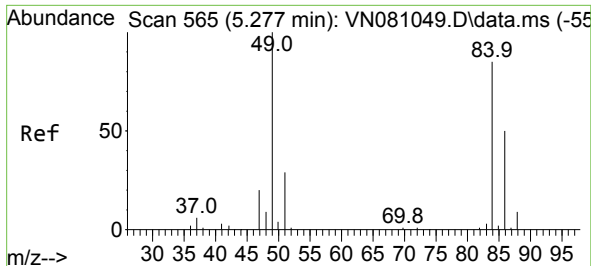
Tgt Ion: 53 Resp: 1057
Ion Ratio Lower Upper
53 100
52 17.7 64.8 97.2#
51 18.1 26.9 40.3#



#17
Carbon Disulfide
Concen: 0.418 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

Tgt Ion: 76 Resp: 5143
Ion Ratio Lower Upper
76 100
78 8.7 6.3 9.5

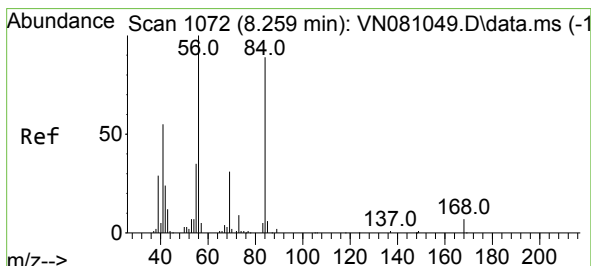
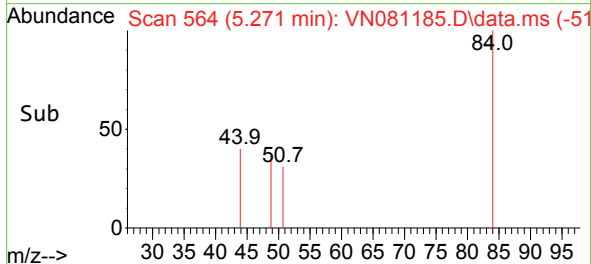
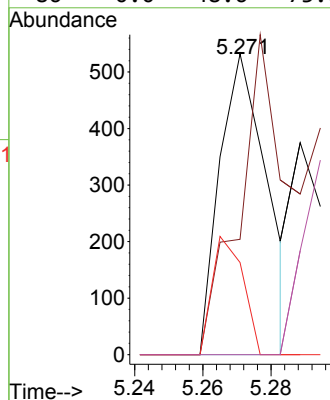
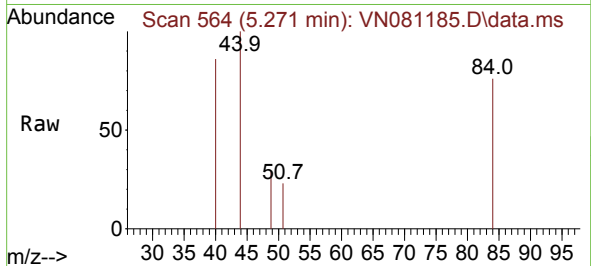




#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 512
Delta R.T. -0.006 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

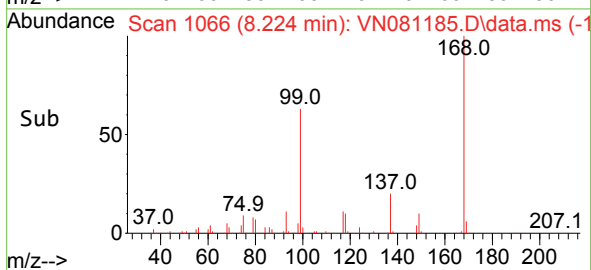
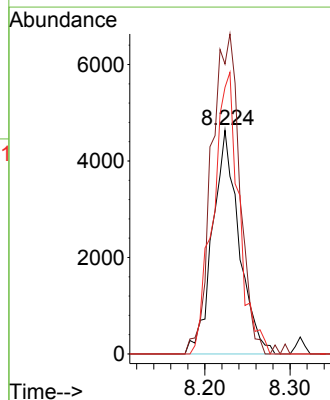
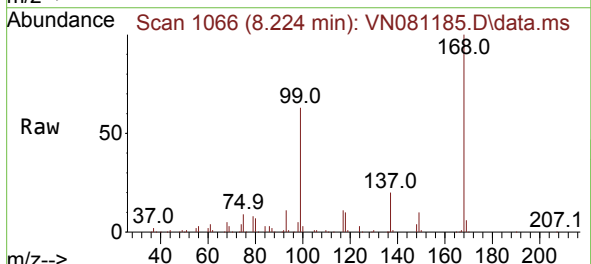
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBL01

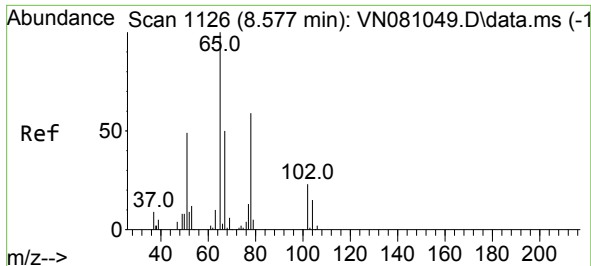
Tgt Ion: 84	Resp: 512
Ion Ratio	Lower Upper
84	100
49	38.3 108.1 162.1#
51	30.6 32.9 49.3#
86	0.0 48.6 73.0#



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

Tgt Ion: 56	Resp: 10027
Ion Ratio	Lower Upper
56	100
69	129.7 20.1 30.1#
84	119.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 50.149 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081185.D

Acq: 26 Feb 2024 11:04

Instrument :

MSVOA_N

ClientSampleId :

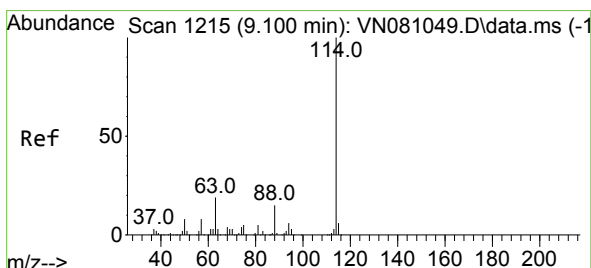
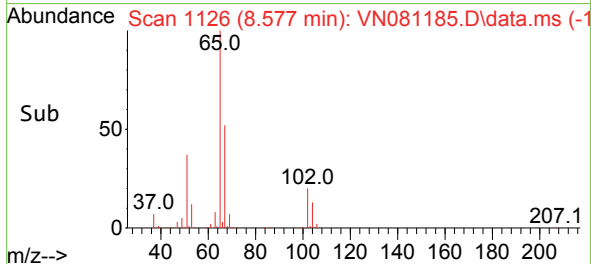
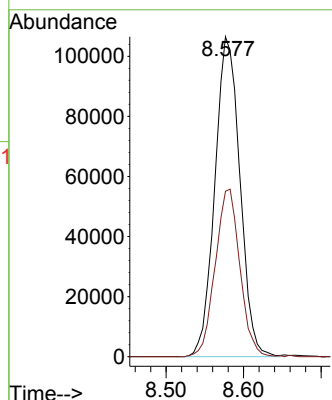
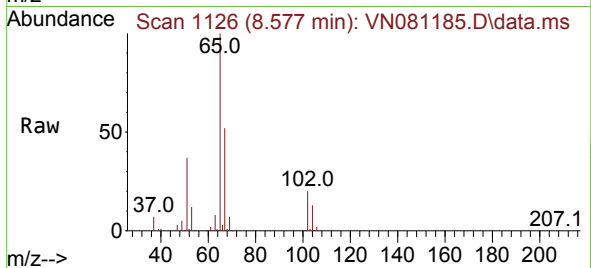
VN0226WBL01

Tgt Ion: 65 Resp: 239921

Ion Ratio Lower Upper

65 100

67 51.5 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: VN081185.D

Acq: 26 Feb 2024 11:04

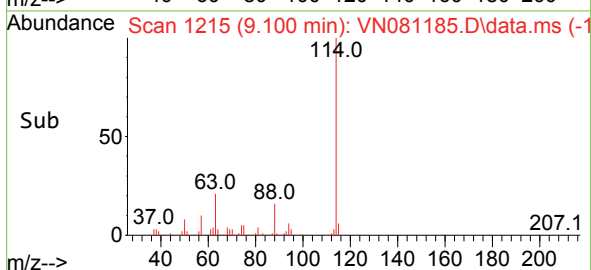
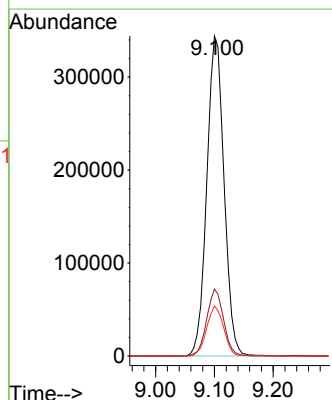
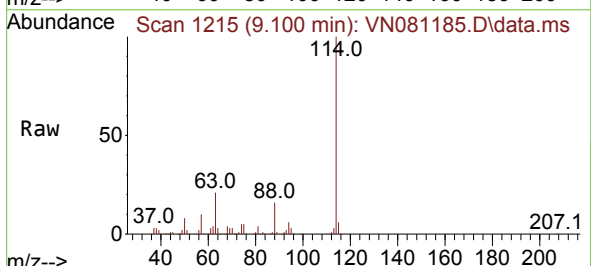
Tgt Ion: 114 Resp: 700935

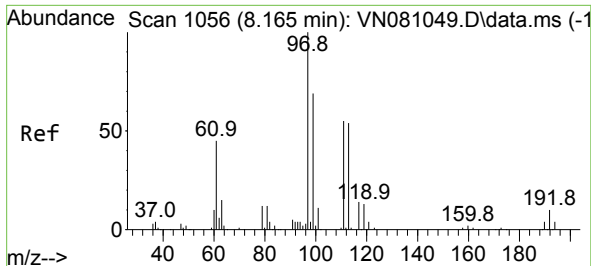
Ion Ratio Lower Upper

114 100

63 20.9 0.0 48.0

88 15.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 48.406 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081185.D

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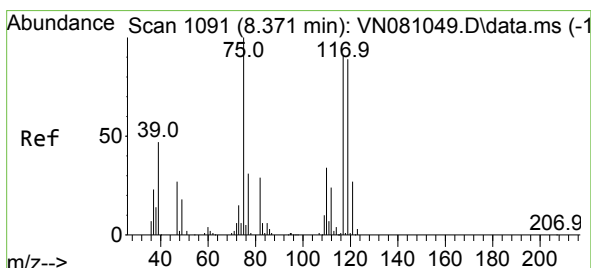
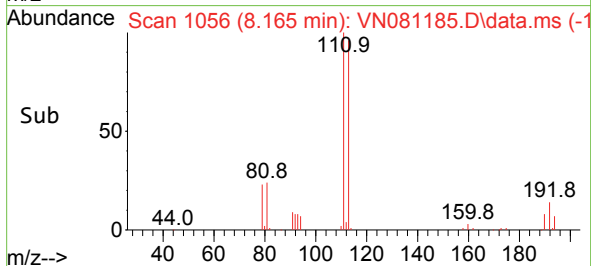
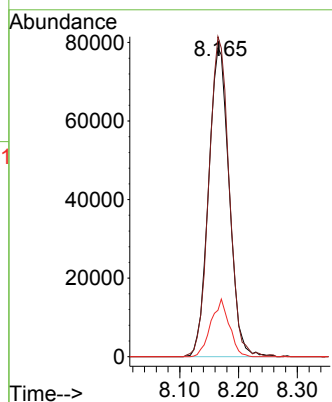
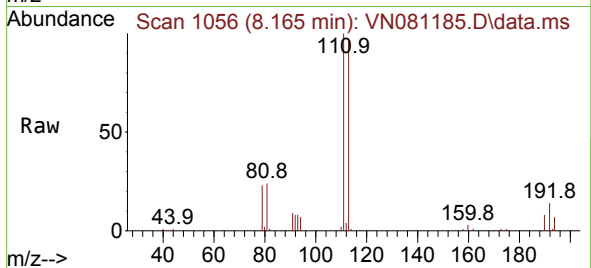
Tgt Ion:113 Resp: 191860

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 16.7 12.5 18.7



#36

1,1-Dichloropropene

Concen: 5.354 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN081185.D

Acq: 26 Feb 2024 11:04

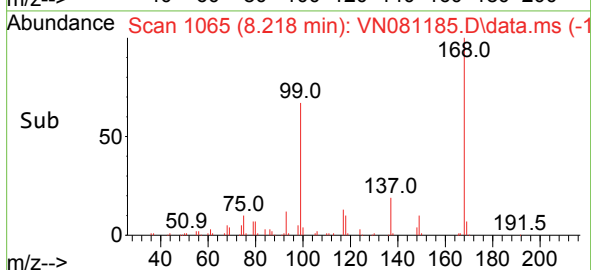
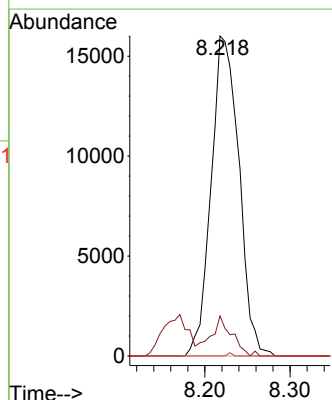
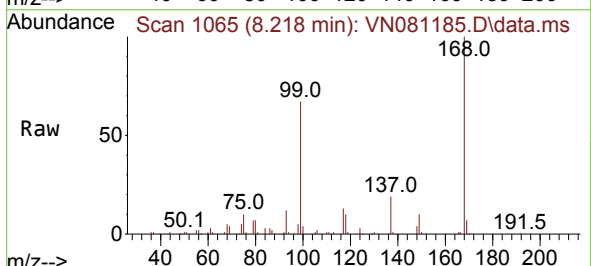
Tgt Ion: 75 Resp: 36355

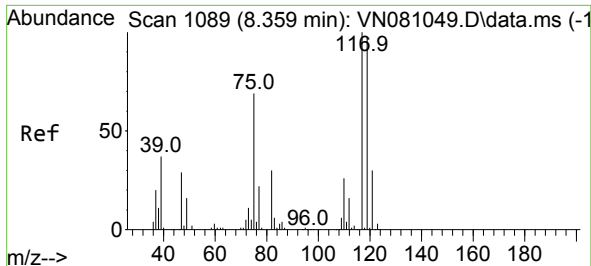
Ion Ratio Lower Upper

75 100

110 9.1 16.0 48.0#

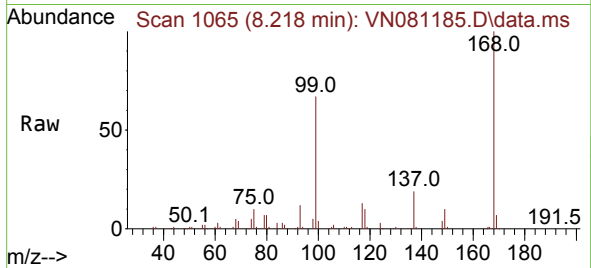
77 0.2 25.8 38.6#



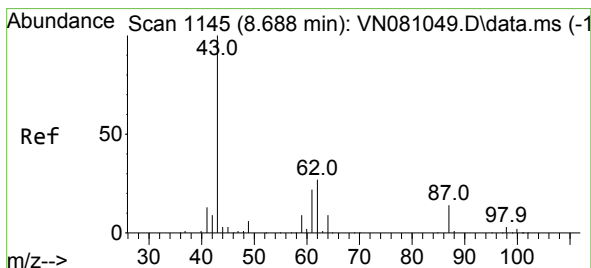
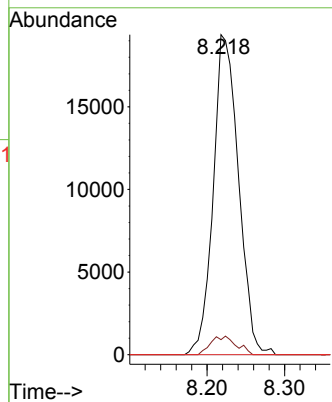
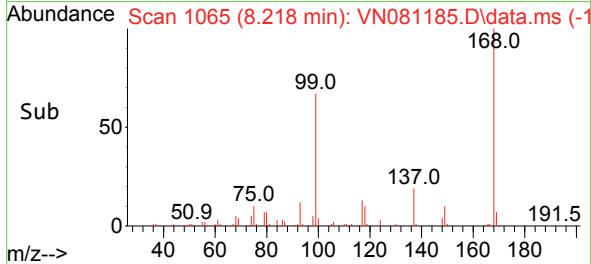


#38
Carbon Tetrachloride
Concen: 6.401 ug/l
RT: 8.218 min Scan# 1109
Delta R.T. -0.141 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBL01

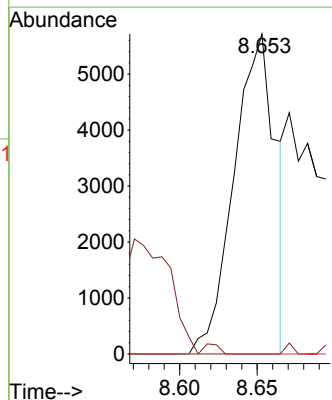
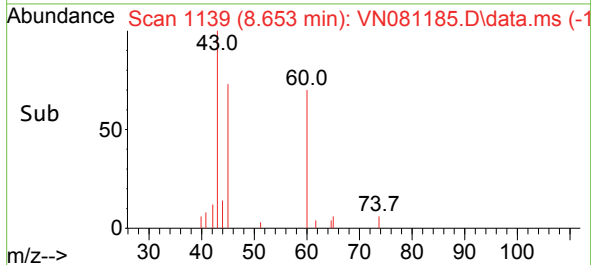
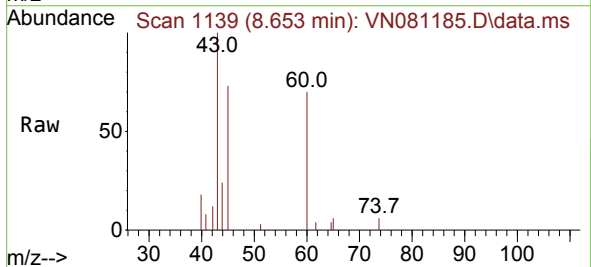


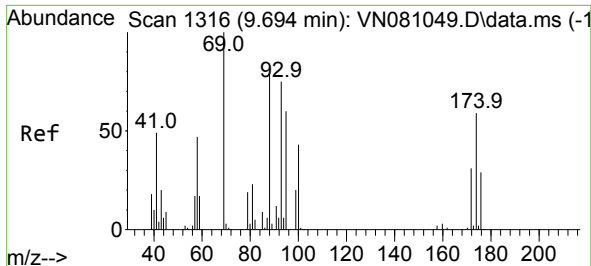
Tgt Ion:117 Resp: 43978
Ion Ratio Lower Upper
117 100
119 4.7 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.993 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.035 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

Tgt Ion: 43 Resp: 10646
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081185.D

Acq: 26 Feb 2024 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBL01

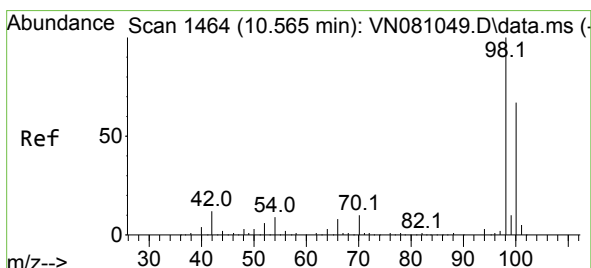
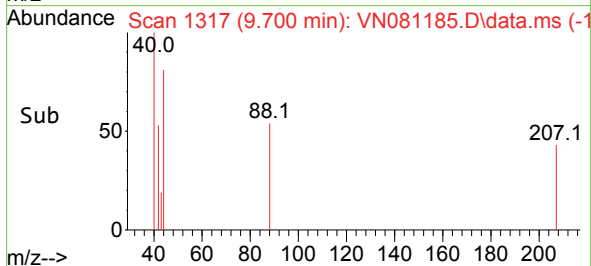
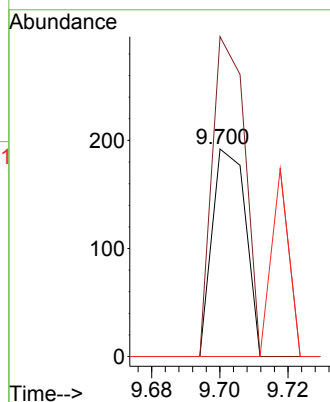
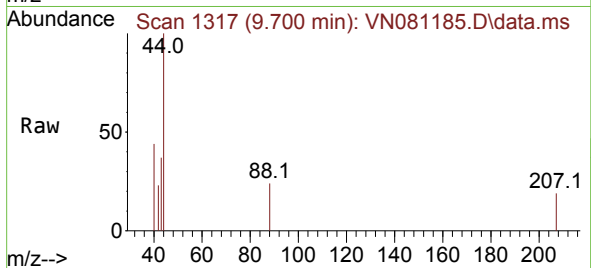
Tgt Ion: 88 Resp: 130

Ion Ratio Lower Upper

88 100

43 151.5 30.1 45.1#

58 46.9 63.9 95.9#



#50

Toluene-d8

Concen: 52.901 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN081185.D

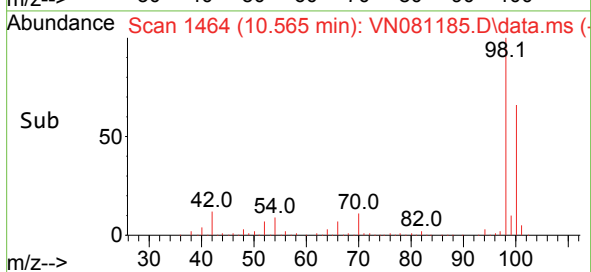
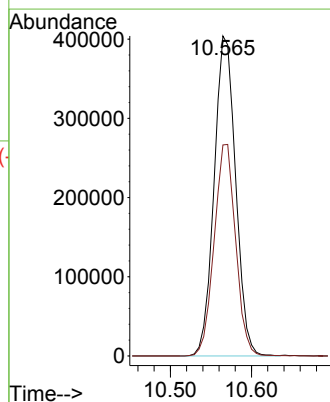
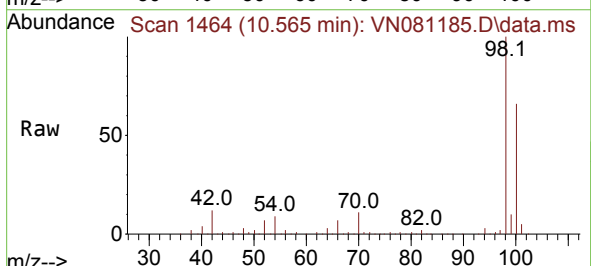
Acq: 26 Feb 2024 11:04

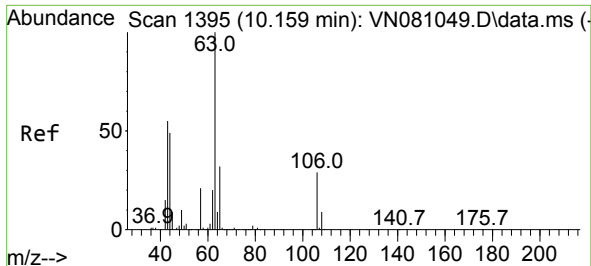
Tgt Ion: 98 Resp: 744721

Ion Ratio Lower Upper

98 100

100 66.0 51.4 77.0

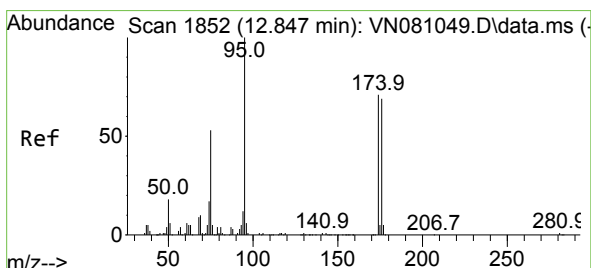
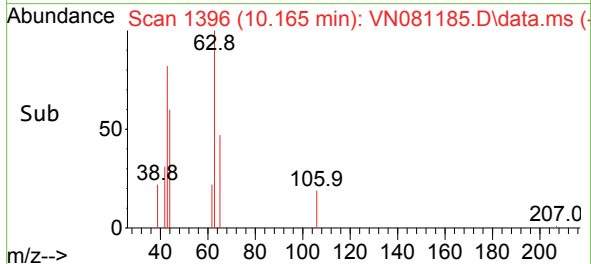
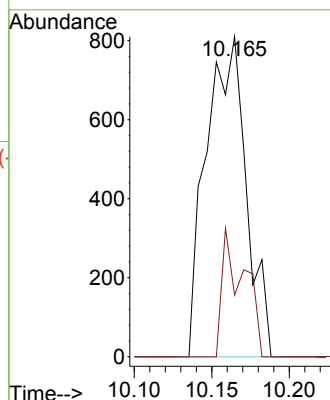
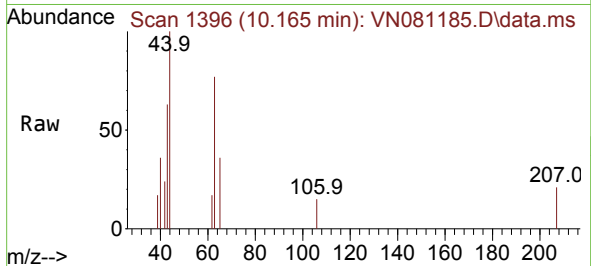




#58
2-Chloroethyl Vinyl ether
Concen: 0.396 ug/l
RT: 10.165 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

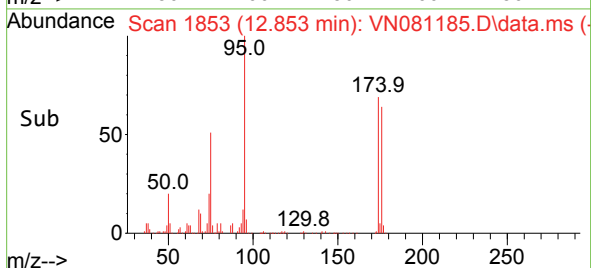
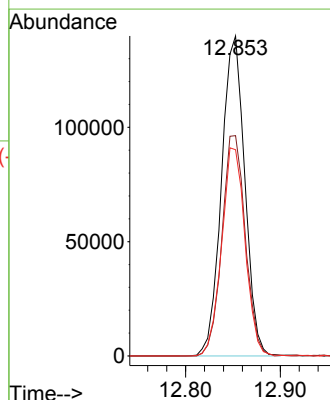
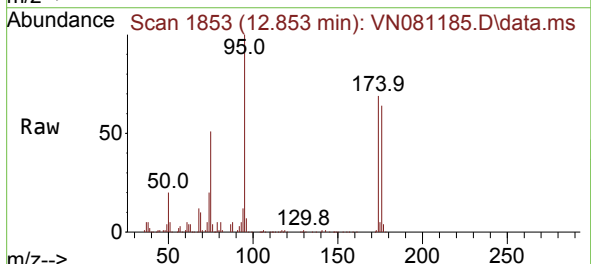
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBL01

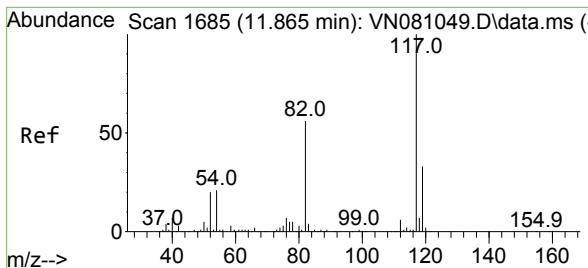
Tgt Ion: 63 Resp: 1455
Ion Ratio Lower Upper
63 100
106 22.1 18.6 28.0



#62
4-Bromofluorobenzene
Concen: 45.222 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

Tgt Ion: 95 Resp: 239212
Ion Ratio Lower Upper
95 100
174 69.4 0.0 120.4
176 65.5 0.0 121.0

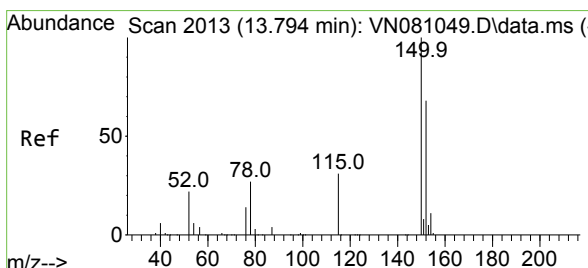
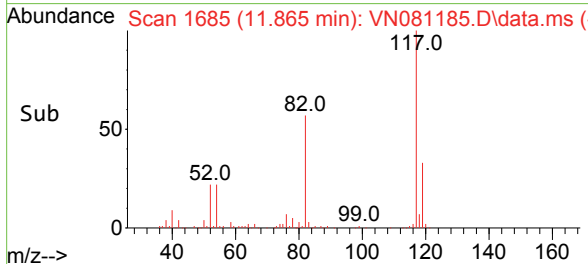
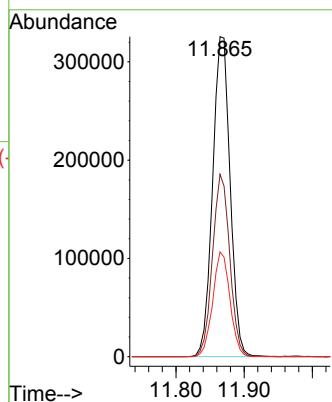
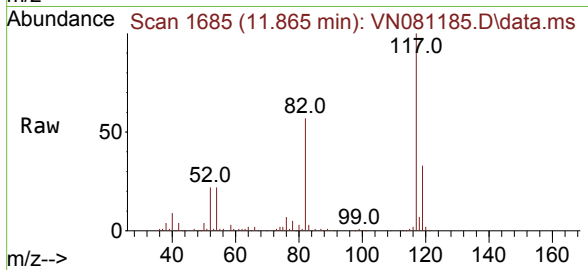




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

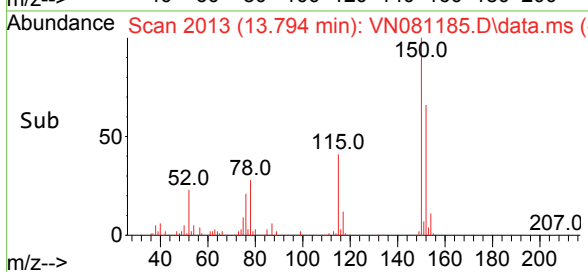
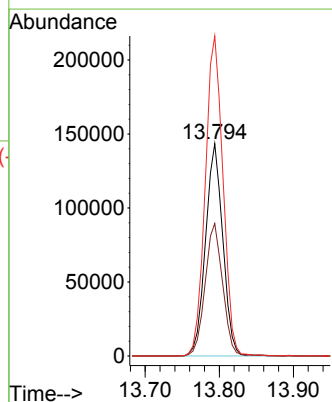
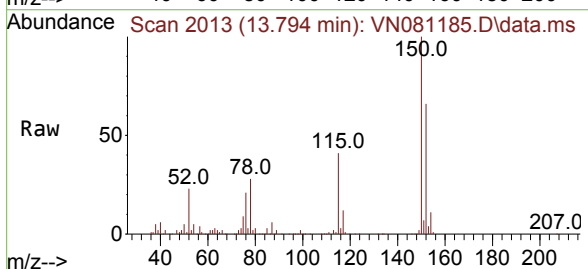
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBL01

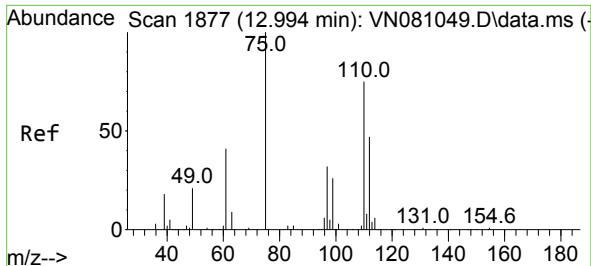
Tgt Ion:117 Resp: 581890
Ion Ratio Lower Upper
117 100
82 57.0 52.7 79.1
119 32.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

Tgt Ion:152 Resp: 232810
Ion Ratio Lower Upper
152 100
115 63.2 32.3 96.8
150 154.1 0.0 339.8

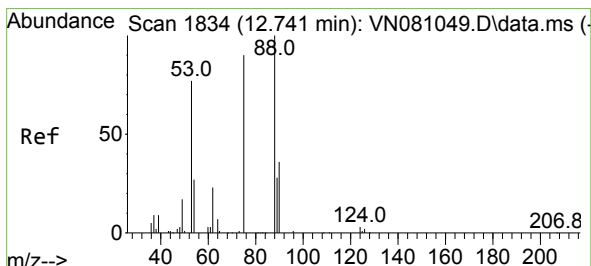
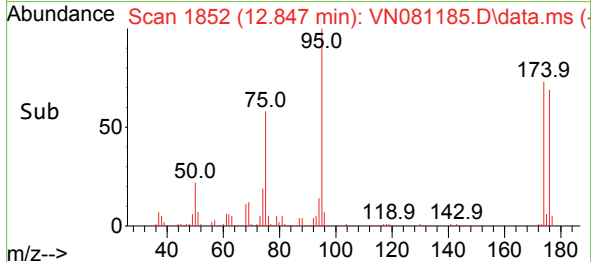
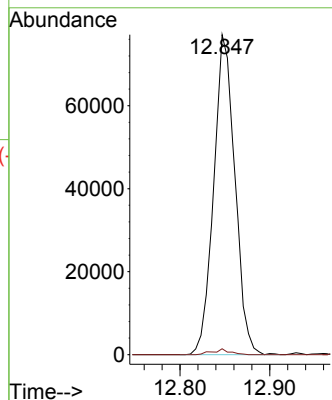
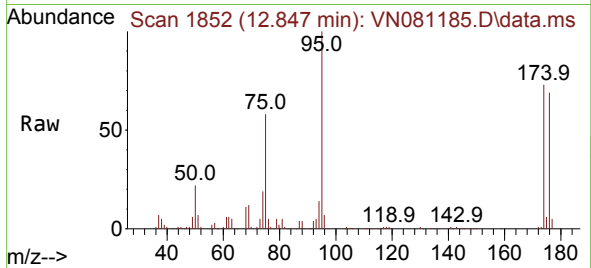




#76
1,2,3-Trichloropropane
Concen: 23.930 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

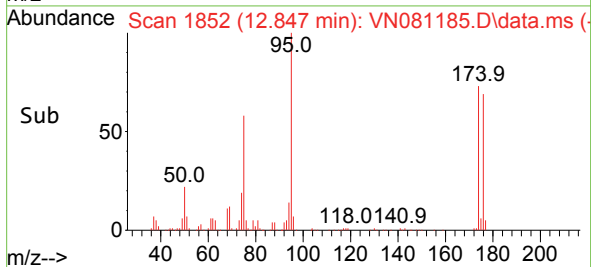
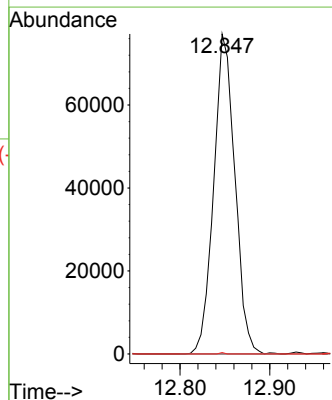
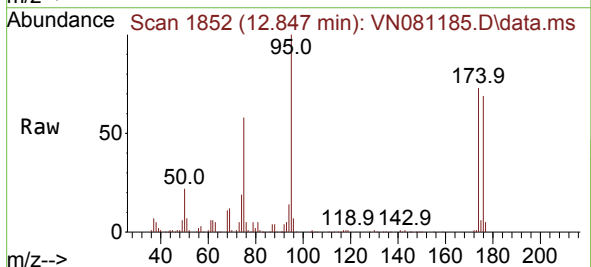
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBL01

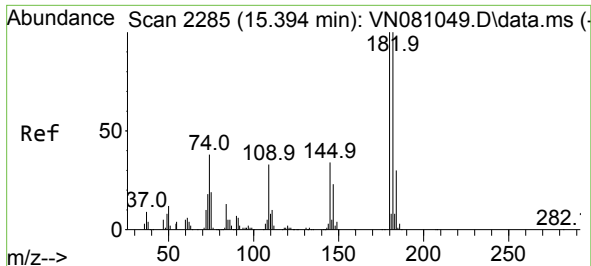
Tgt Ion: 75 Resp: 126578
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.593 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

Tgt Ion: 75 Resp: 126578
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#

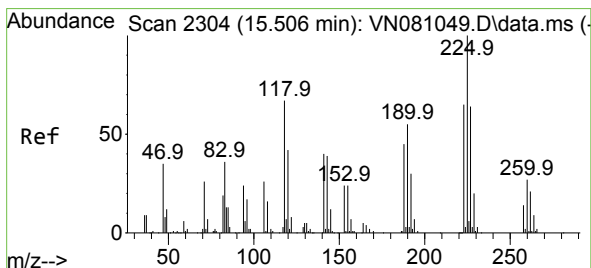
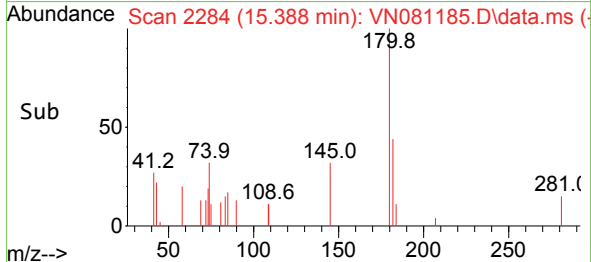
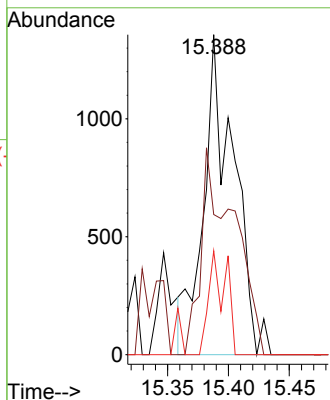
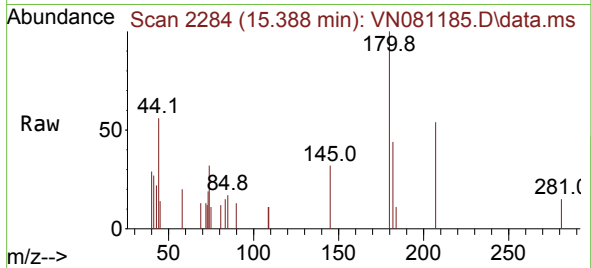




#93
1,2,4-Trichlorobenzene
Concen: 0.508 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

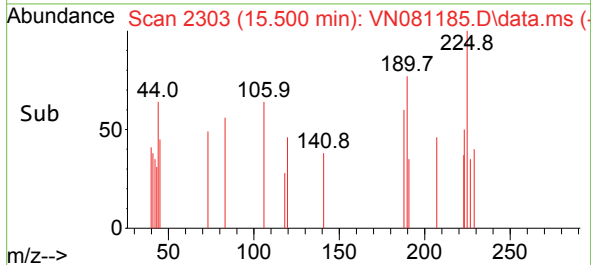
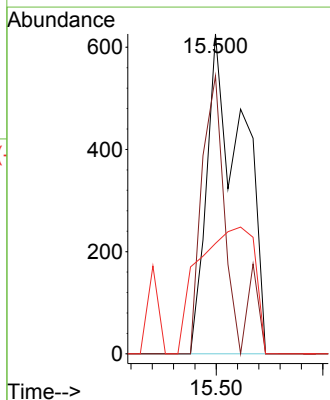
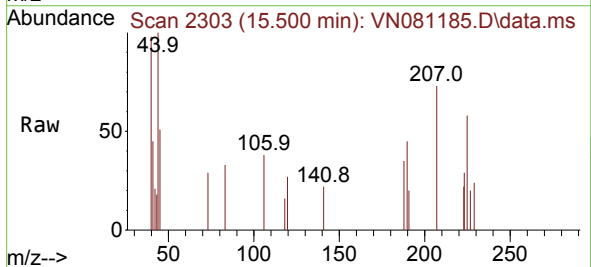
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBL01

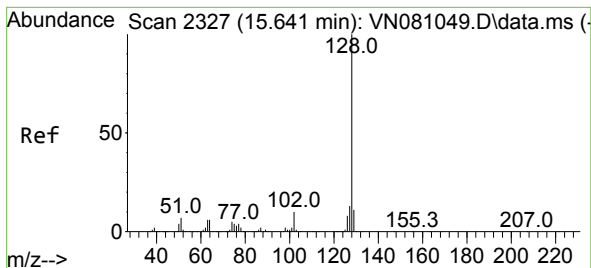
Tgt Ion	Ratio	Lower	Upper
180	100		
182	37.8	46.6	139.7#
145	18.3	16.8	50.3



#94
Hexachlorobutadiene
Concen: 0.425 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN081185.D
Acq: 26 Feb 2024 11:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	33.3	99.8
227	62.3	33.1	99.2





#95

Naphthalene

Concen: 0.371 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN081185.D

Acq: 26 Feb 2024 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBL01

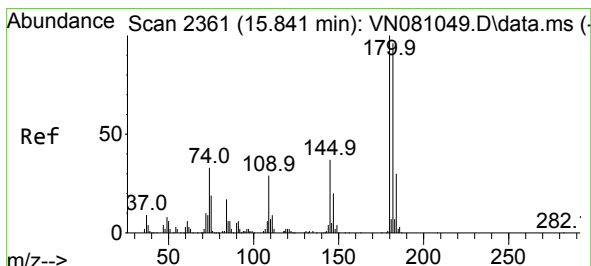
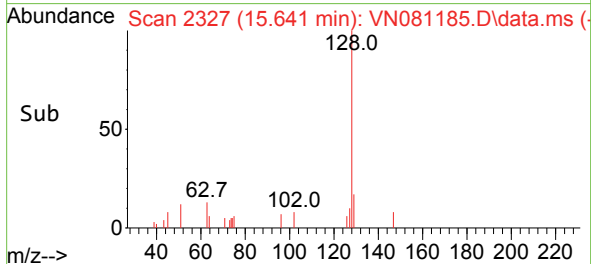
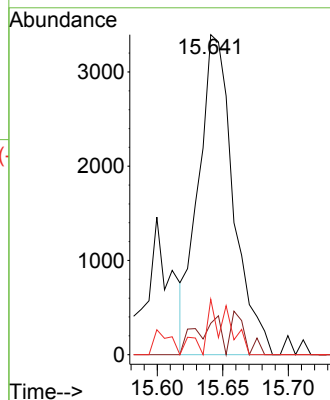
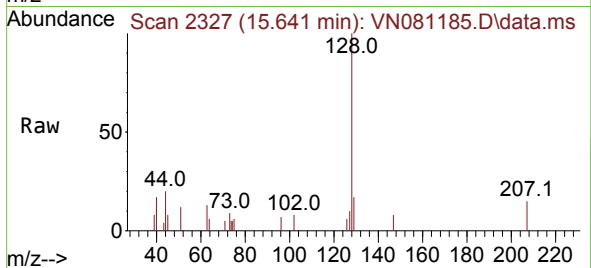
Tgt Ion:128 Resp: 6286

Ion Ratio Lower Upper

128 100

127 8.2 10.0 15.0#

129 11.7 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.355 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN081185.D

Acq: 26 Feb 2024 11:04

Tgt Ion:180 Resp: 1628

Ion Ratio Lower Upper

180 100

182 0.0 46.5 139.3#

145 21.1 17.8 53.4

