

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042624\
 Data File : VN081869.D
 Acq On : 26 Apr 2024 10:47
 Operator : JC\MD
 Sample : VN0426MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426MBL01

Quant Time: Apr 26 22:56:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

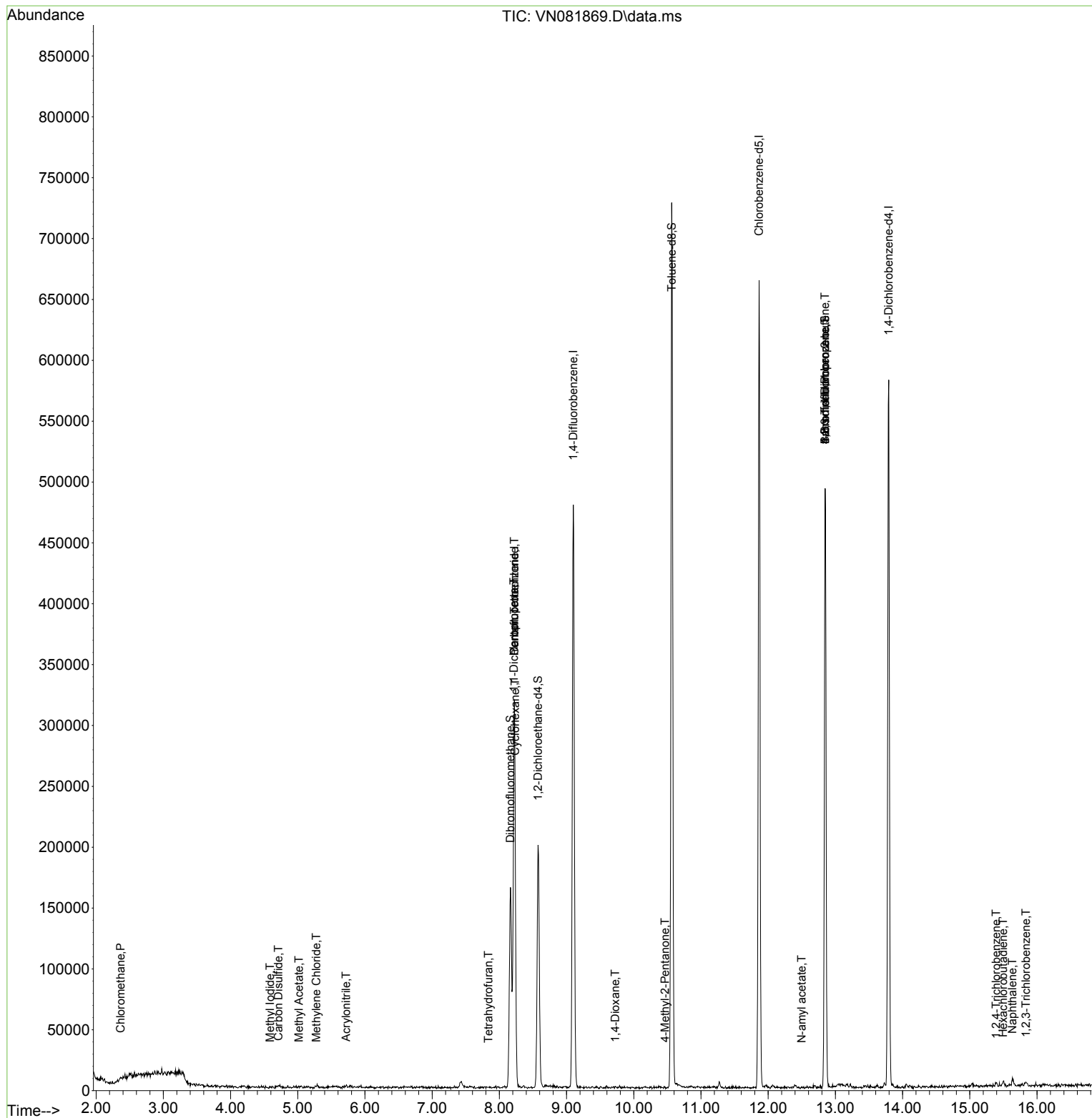
Internal Standards						
1) Pentafluorobenzene	8.224	168	223113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	400102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	354535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	146760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161022	42.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.520%		
35) Dibromofluoromethane	8.165	113	117262	48.677	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.360%		
50) Toluene-d8	10.565	98	492371	52.042	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.080%		
62) 4-Bromofluorobenzene	12.847	95	180813	48.346	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	96.700%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	736	0.225	ug/l #	43
5) Bromomethane	2.977	94	1055	Below Cal	#	49
10) Methyl Iodide	4.589	142	833	0.358	ug/l #	88
13) Acrolein	4.183	56	1407	Below Cal	#	73
15) Acrylonitrile	5.718	53	1127	0.686	ug/l #	60
16) Acetone	4.430	43	740	Below Cal	#	43
17) Carbon Disulfide	4.712	76	2191	0.270	ug/l #	74
18) Methyl Acetate	5.018	43	831	0.218	ug/l #	47
20) Methylene Chloride	5.277	84	977	0.303	ug/l #	63
29) Tetrahydrofuran	7.835	42	480	0.313	ug/l #	39
31) Cyclohexane	8.235	56	6821	1.202	ug/l #	36
36) 1,1-Dichloropropene	8.218	75	19831	5.060	ug/l #	46
38) Carbon Tetrachloride	8.224	117	24960	6.516	ug/l #	18
49) 1,4-Dioxane	9.724	88	84	1.453	ug/l #	1
51) 4-Methyl-2-Pentanone	10.465	43	1279	0.285	ug/l #	34
71) Bromoform	12.847	173	907	0.459	ug/l #	1
74) N-amyl acetate	12.500	43	1602	0.221	ug/l #	53
76) 1,2,3-Trichloropropane	12.847	75	96716	25.417	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	96716	52.083	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.394	180	939	0.344	ug/l	84
94) Hexachlorobutadiene	15.494	225	1082	1.074	ug/l	71
95) Naphthalene	15.635	128	5327	0.516	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.835	180	1502	0.573	ug/l #	83

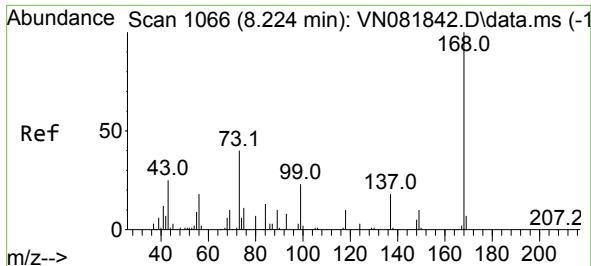
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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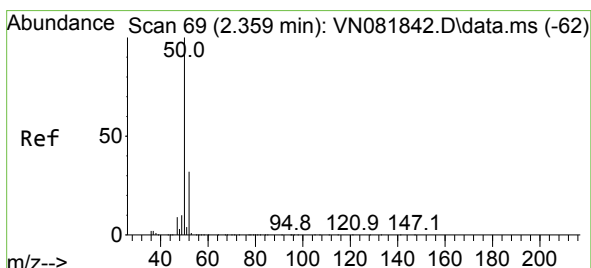
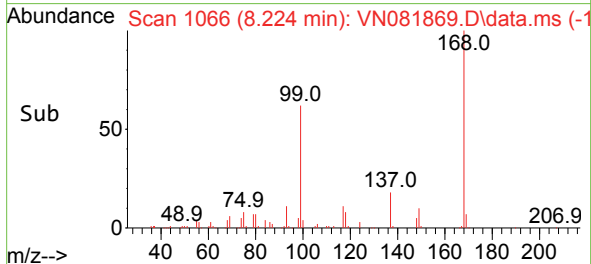
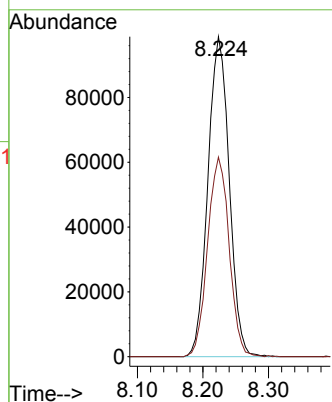
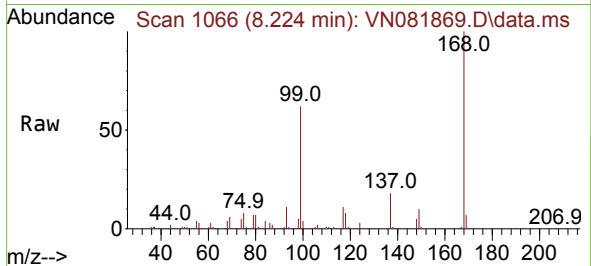




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

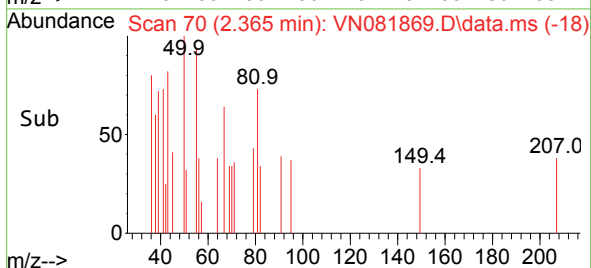
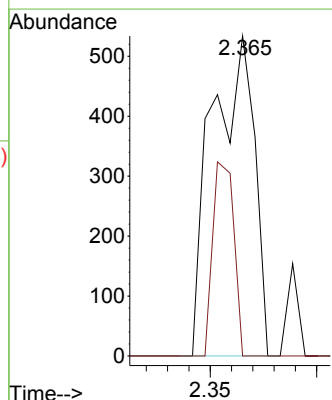
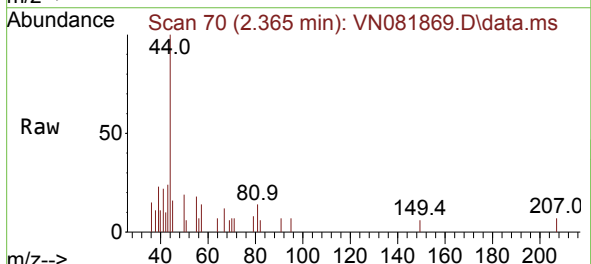
Instrument :
MSVOA_N
ClientSampleId :
VN0426MBL01

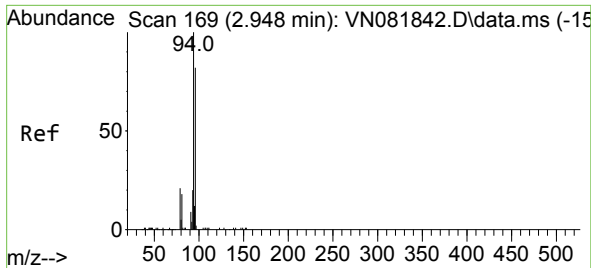
Tgt Ion:168 Resp: 223113
Ion Ratio Lower Upper
168 100
99 62.4 48.2 72.4



#3
Chloromethane
Concen: 0.225 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion: 50 Resp: 736
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

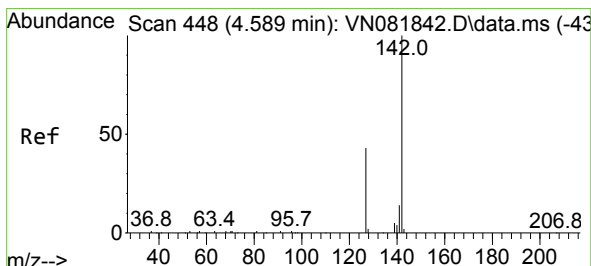
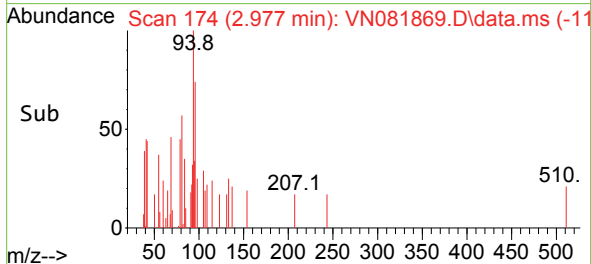
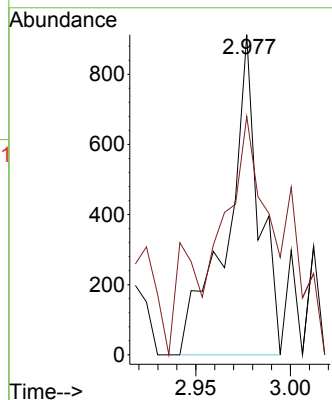
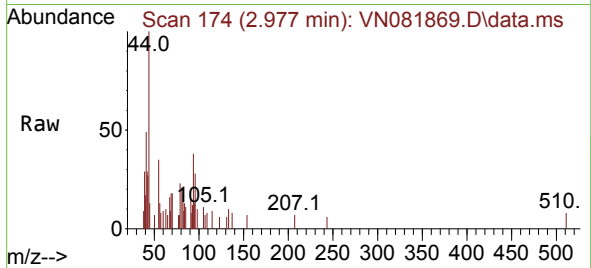




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

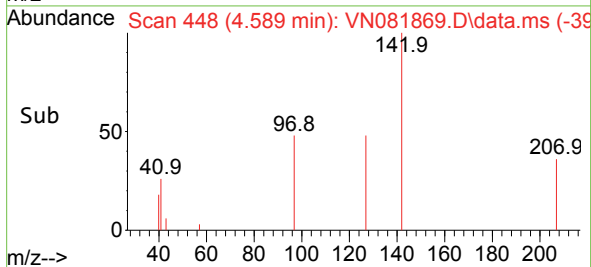
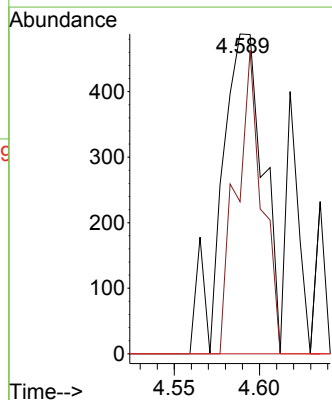
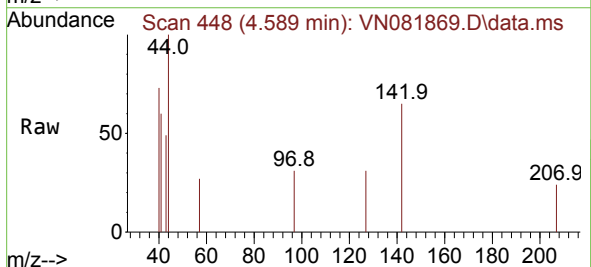
Instrument :
MSVOA_N
ClientSampleId :
VN0426MBL01

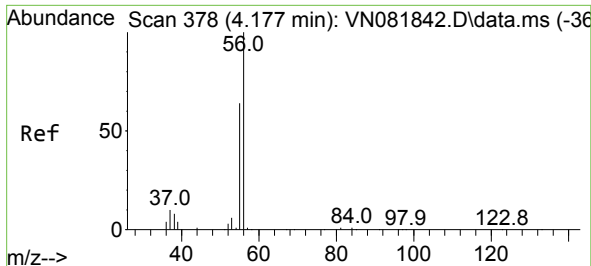
Tgt Ion: 94 Resp: 1055
Ion Ratio Lower Upper
94 100
96 44.0 74.8 112.2#



#10
Methyl Iodide
Concen: 0.358 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion:142 Resp: 833
Ion Ratio Lower Upper
142 100
127 47.5 35.8 53.6
141 0.0 11.4 17.2#

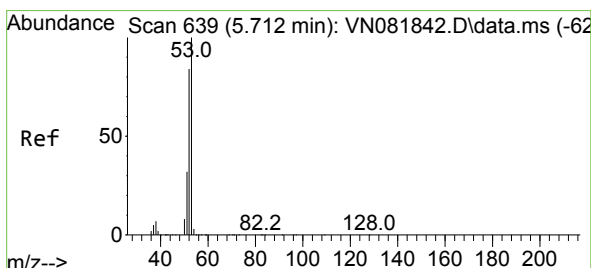
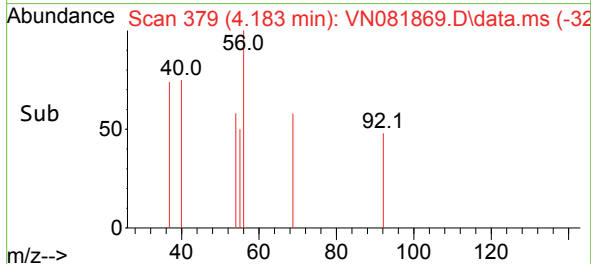
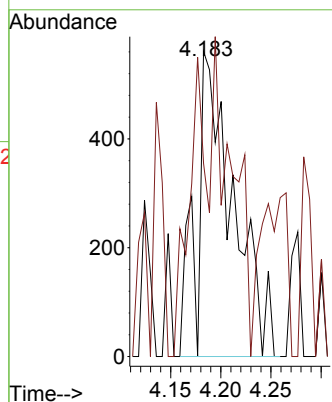
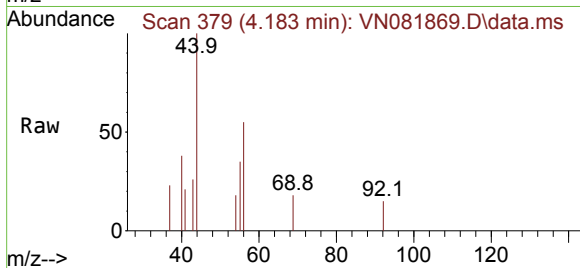




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

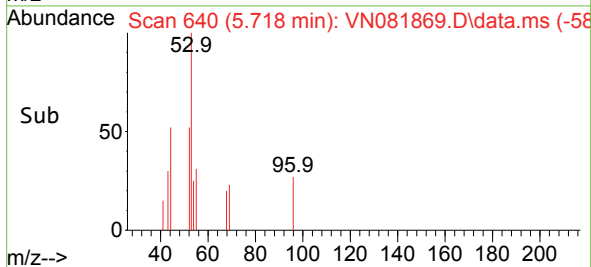
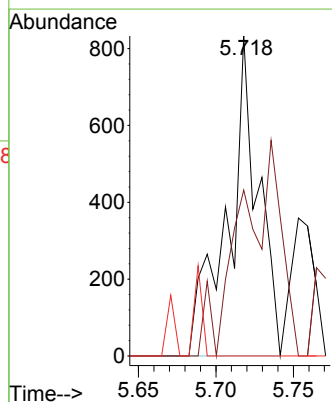
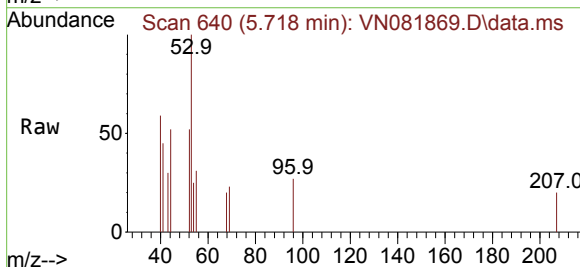
Instrument :
MSVOA_N
ClientSampleId :
VN0426MBL01

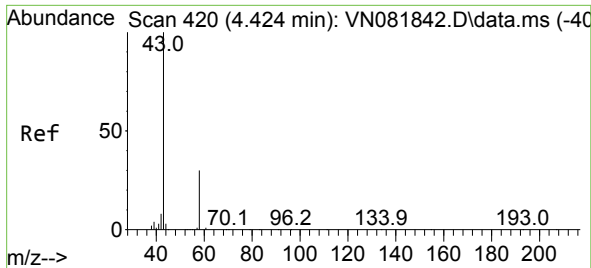
Tgt Ion: 56 Resp: 1407
Ion Ratio Lower Upper
56 100
55 47.9 55.8 83.8#



#15
Acrylonitrile
Concen: 0.686 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion: 53 Resp: 1127
Ion Ratio Lower Upper
53 100
52 55.4 66.1 99.1#
51 0.0 29.4 44.2#

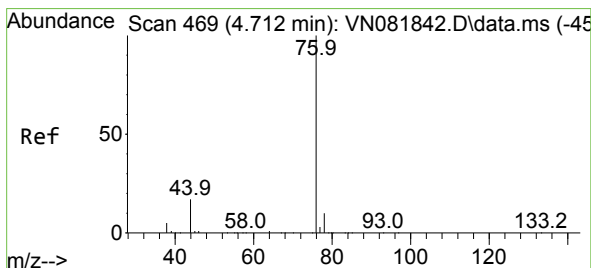
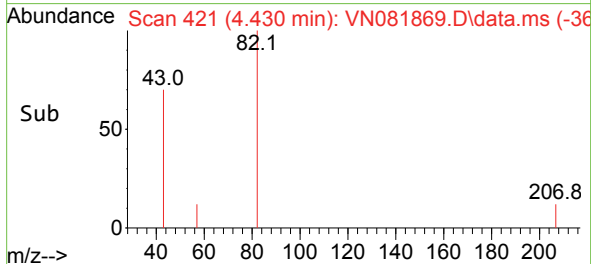
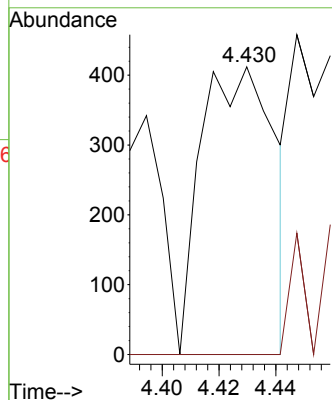
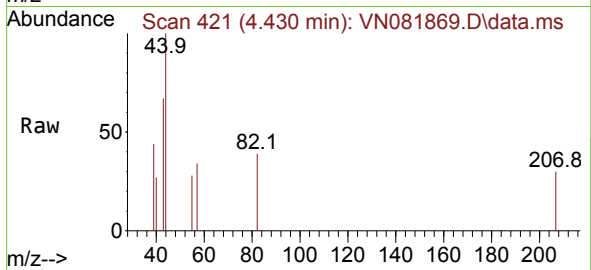




#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

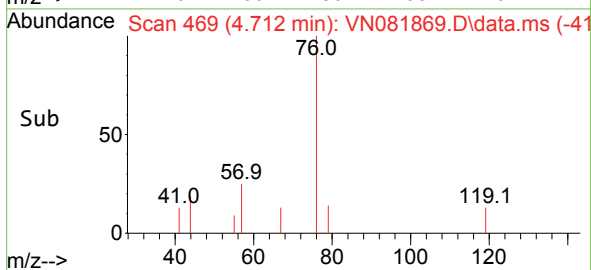
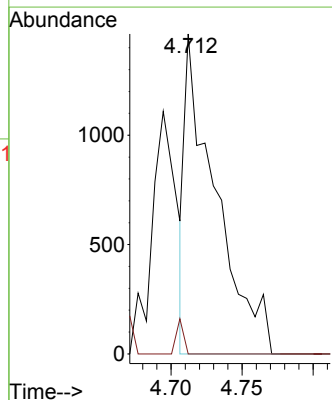
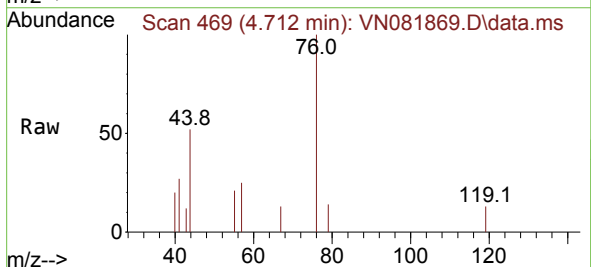
Instrument :
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ClientSampleId :
VN0426MBL01

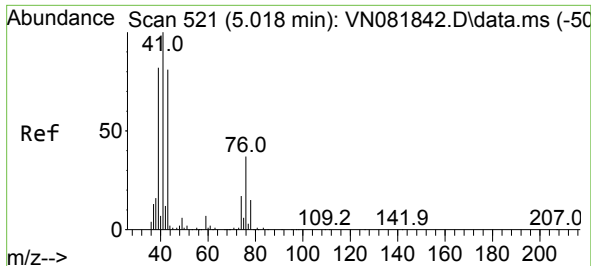
Tgt Ion: 43 Resp: 740
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



#17
Carbon Disulfide
Concen: 0.270 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion: 76 Resp: 2191
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

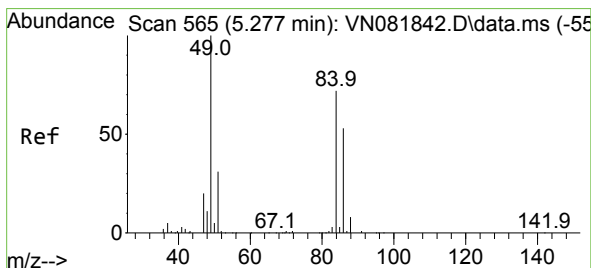
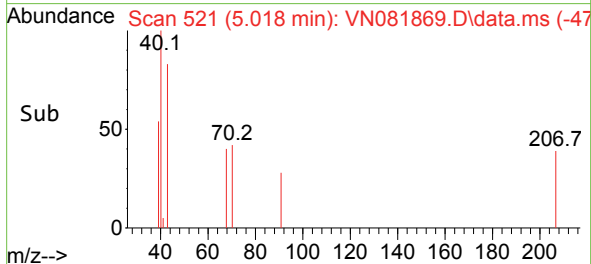
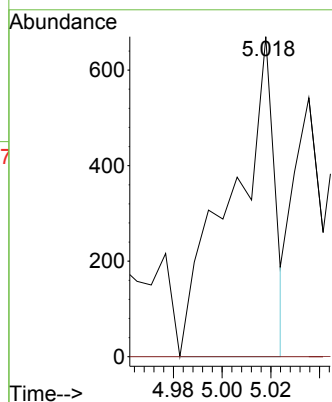
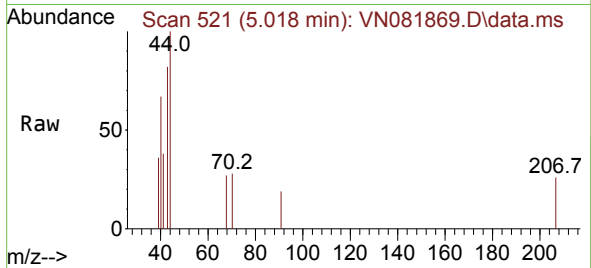




#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

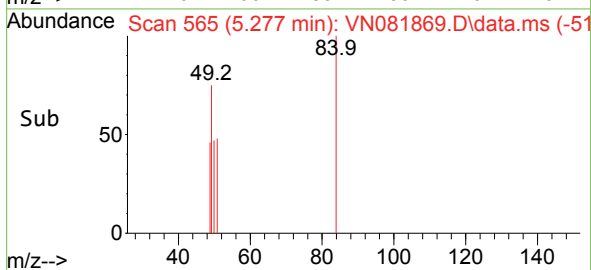
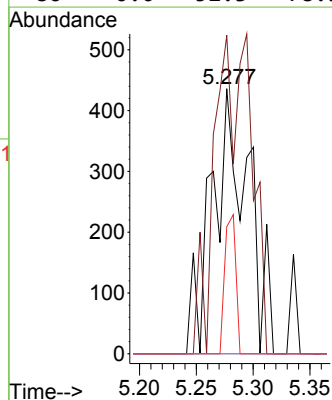
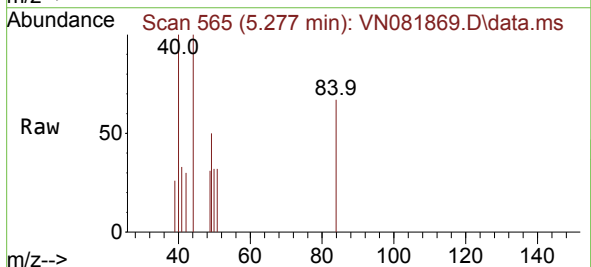
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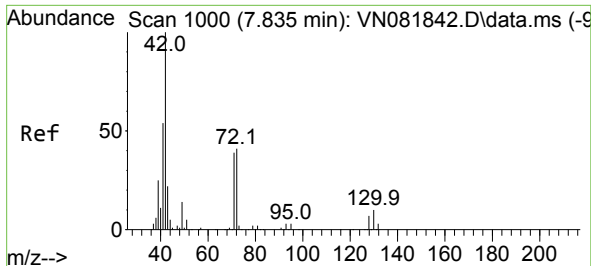
Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#20
Methylene Chloride
Concen: 0.303 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion: 84 Resp: 977
Ion Ratio Lower Upper
84 100
49 120.2 84.9 127.3
51 47.9 27.0 40.6#
86 0.0 52.3 78.5#





#29

Tetrahydrofuran

Concen: 0.313 ug/l

RT: 7.835 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VN081869.D

Acq: 26 Apr 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0426MBL01

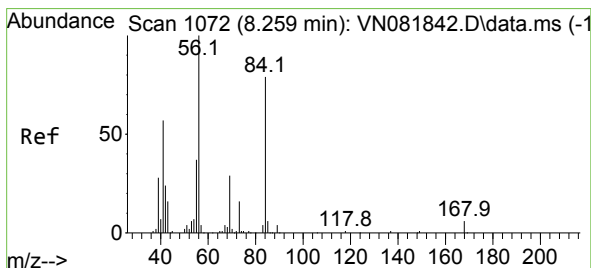
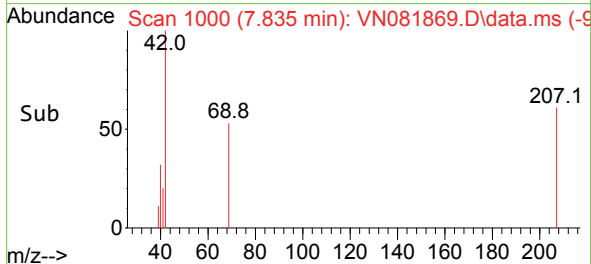
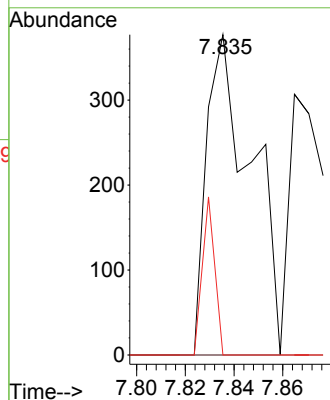
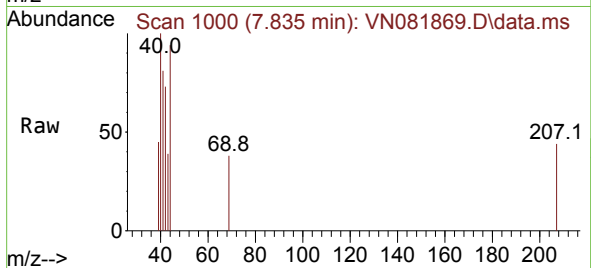
Tgt Ion: 42 Resp: 480

Ion Ratio Lower Upper

42 100

72 0.0 39.3 58.9#

71 13.8 37.4 56.0#



#31

Cyclohexane

Concen: 1.202 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.024 min

Lab File: VN081869.D

Acq: 26 Apr 2024 10:47

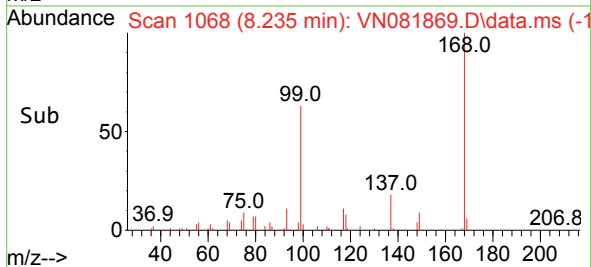
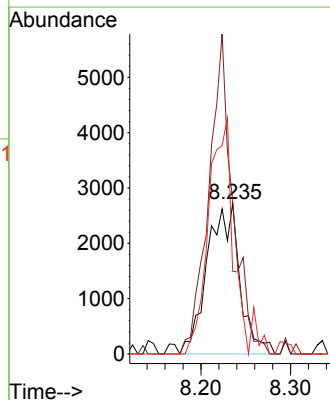
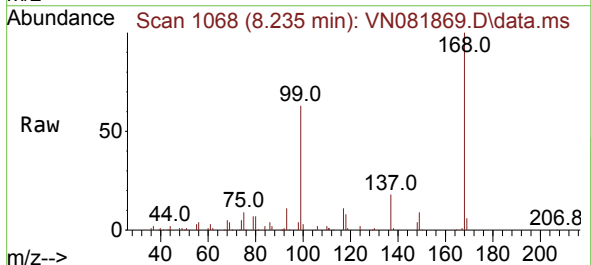
Tgt Ion: 56 Resp: 6821

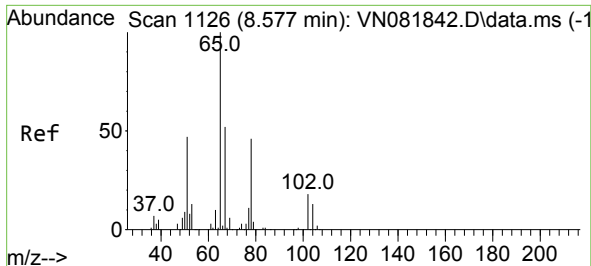
Ion Ratio Lower Upper

56 100

69 101.9 24.4 36.6#

84 54.9 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 42.762 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081869.D

Acq: 26 Apr 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

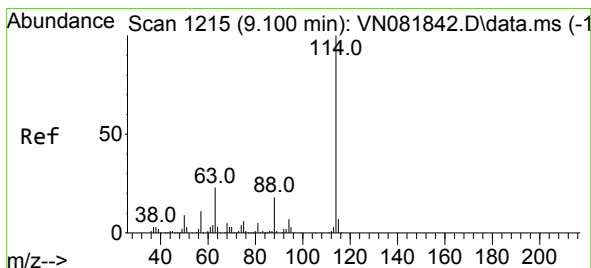
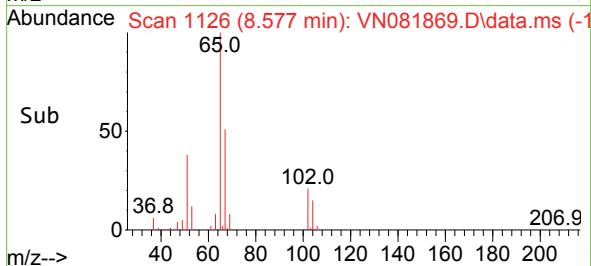
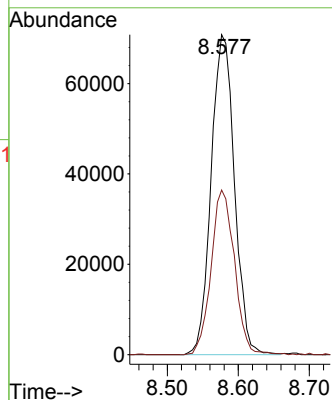
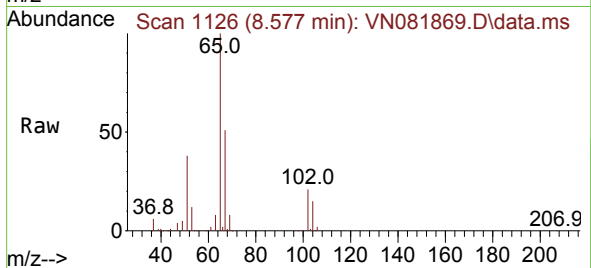
VN0426MBL01

Tgt Ion: 65 Resp: 161022

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081869.D

Acq: 26 Apr 2024 10:47

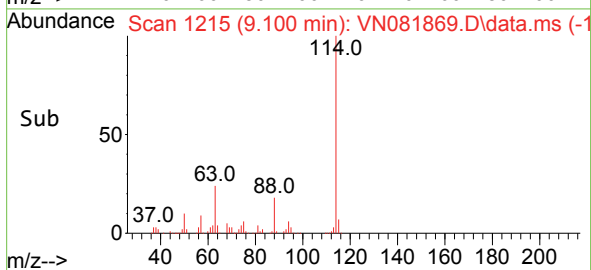
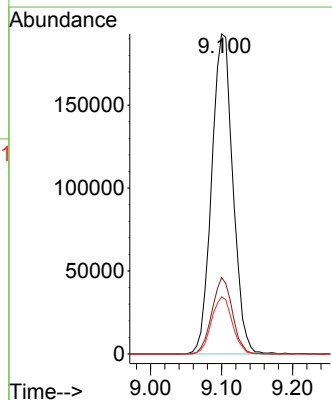
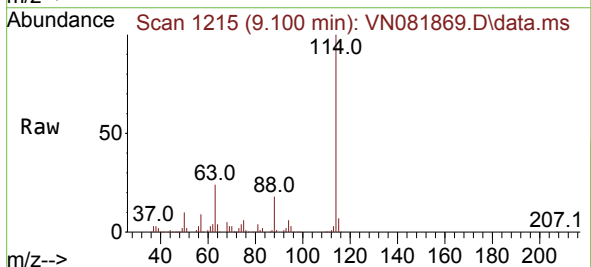
Tgt Ion: 114 Resp: 400102

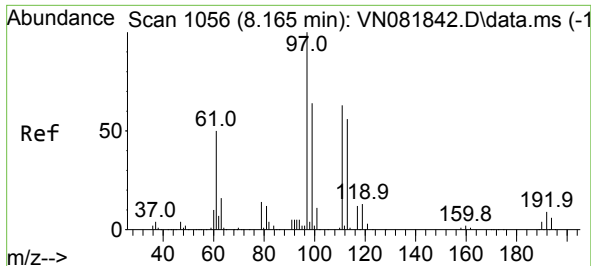
Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.0

88 17.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.677 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081869.D

Acq: 26 Apr 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0426MBL01

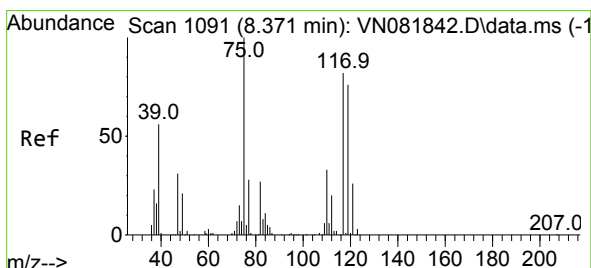
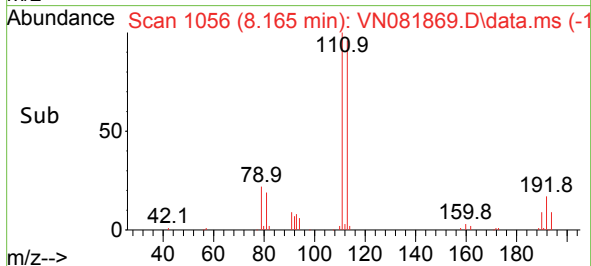
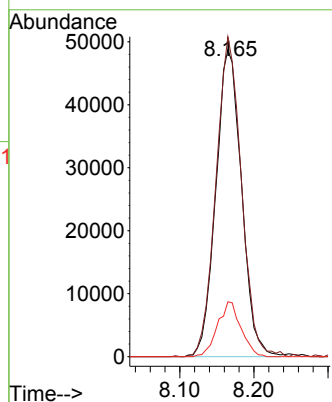
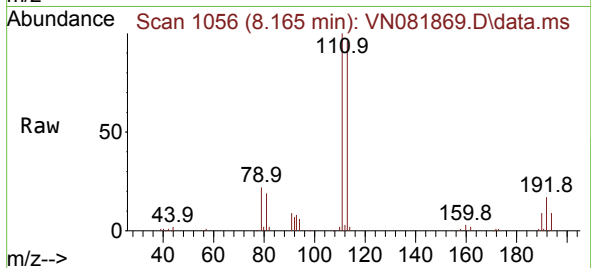
Tgt Ion:113 Resp: 117262

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

192 16.3 14.0 21.0



#36

1,1-Dichloropropene

Concen: 5.060 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN081869.D

Acq: 26 Apr 2024 10:47

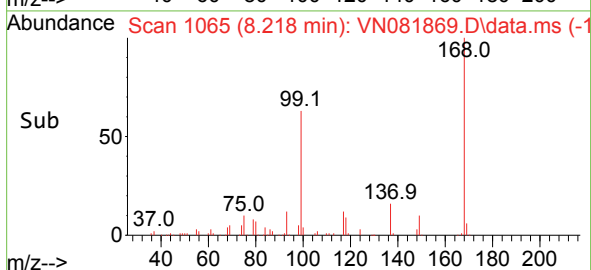
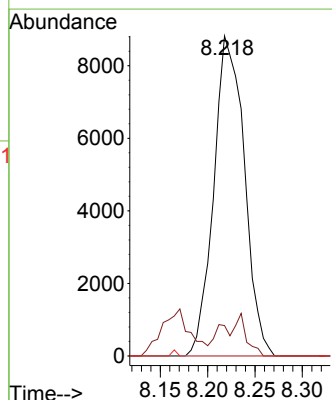
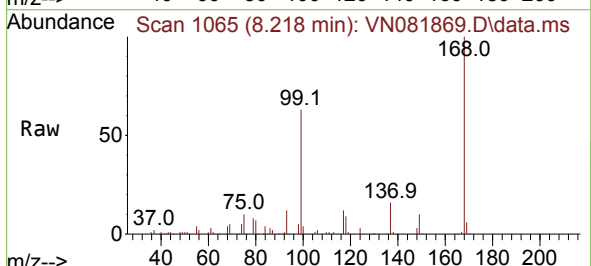
Tgt Ion: 75 Resp: 19831

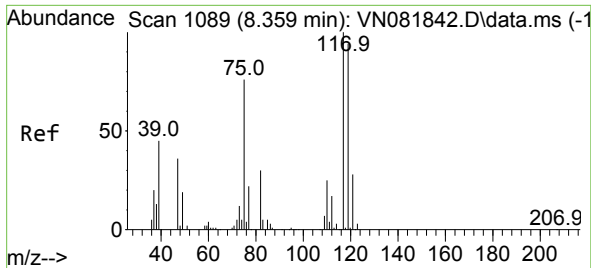
Ion Ratio Lower Upper

75 100

110 4.9 17.8 53.5#

77 0.0 25.0 37.4#

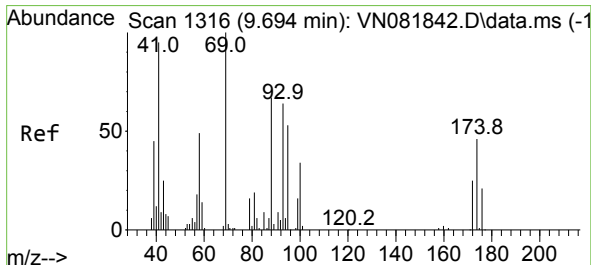
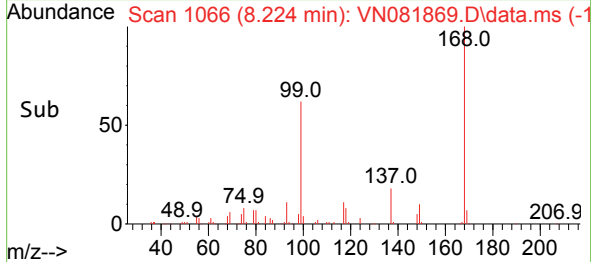
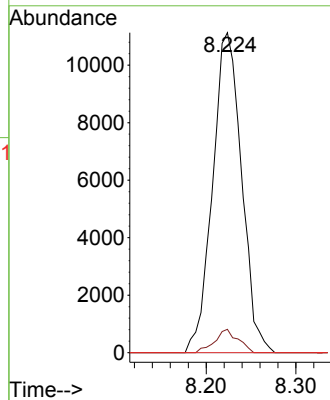
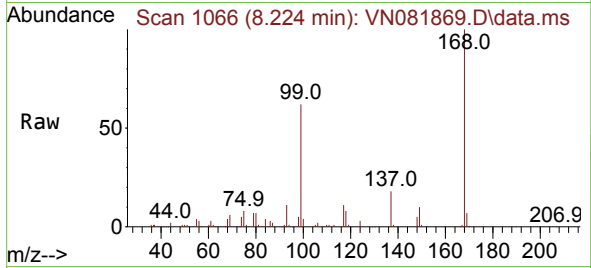




#38
Carbon Tetrachloride
Concen: 6.516 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

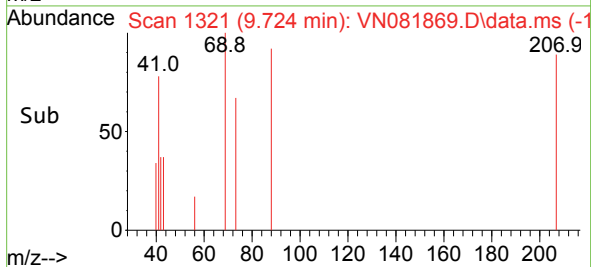
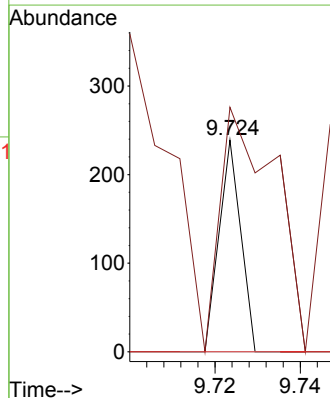
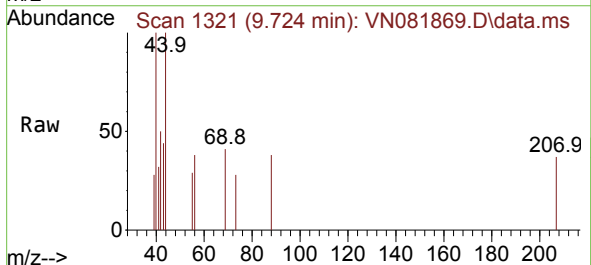
Instrument :
MSVOA_N
ClientSampleId :
VN0426MBL01

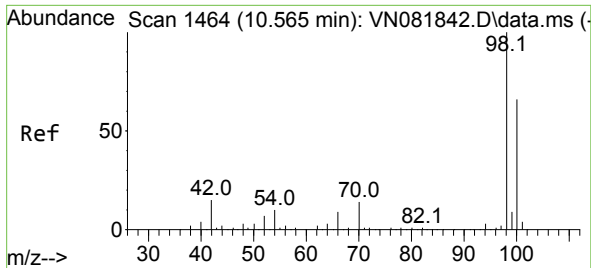
Tgt Ion:117 Resp: 24960
Ion Ratio Lower Upper
117 100
119 7.3 76.5 114.7#
121 0.0 23.9 35.9#



#49
1,4-Dioxane
Concen: 1.453 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.029 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 294.0 19.0 28.6#
58 0.0 50.6 76.0#

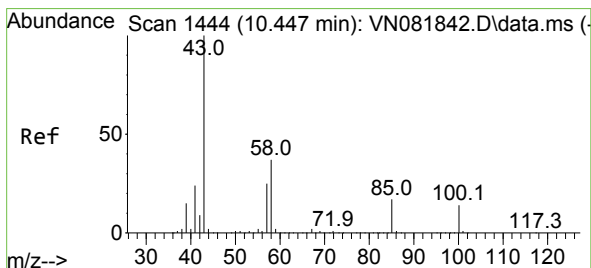
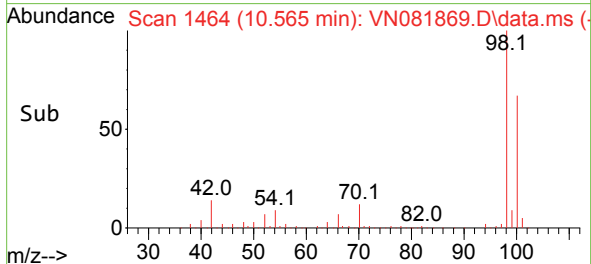
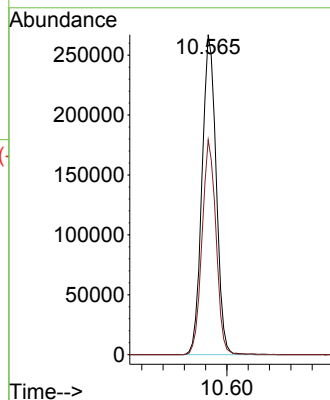
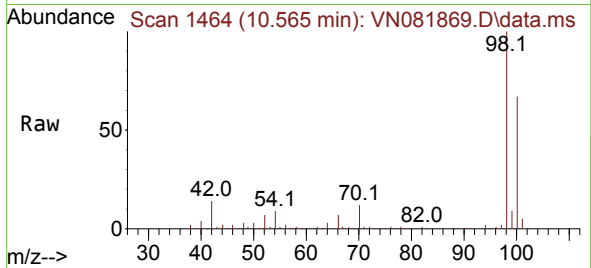




#50
Toluene-d8
Concen: 52.042 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

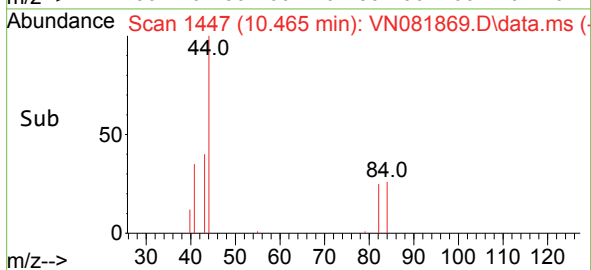
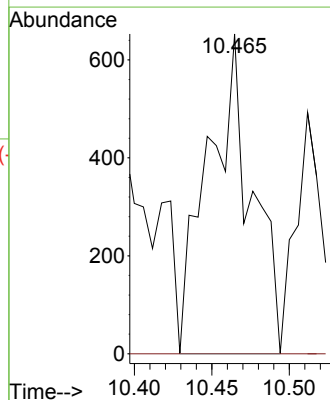
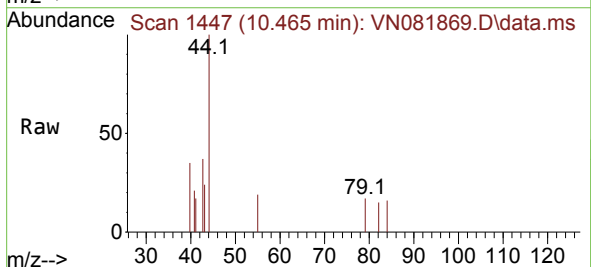
Instrument :
MSVOA_N
ClientSampleId :
VN0426MBL01

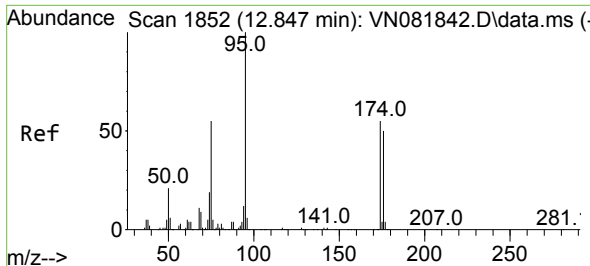
Tgt Ion: 98 Resp: 492371
Ion Ratio Lower Upper
98 100
100 66.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 0.285 ug/l
RT: 10.465 min Scan# 1447
Delta R.T. 0.018 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion: 43 Resp: 1279
Ion Ratio Lower Upper
43 100
58 0.0 33.2 49.8#

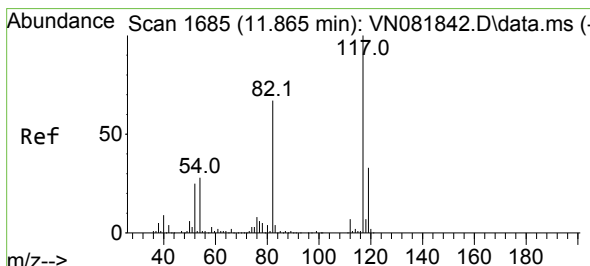
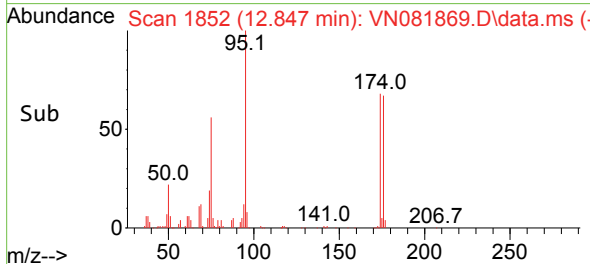
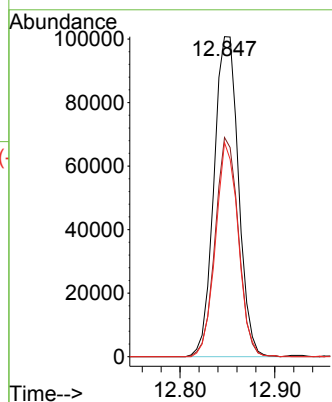
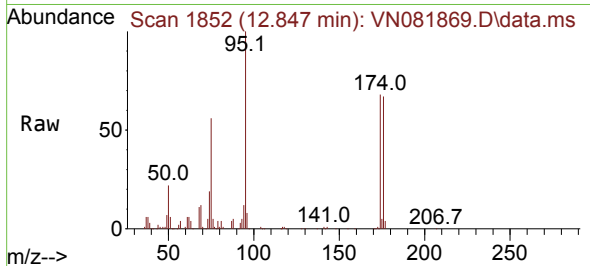




#62
4-Bromofluorobenzene
Concen: 48.346 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

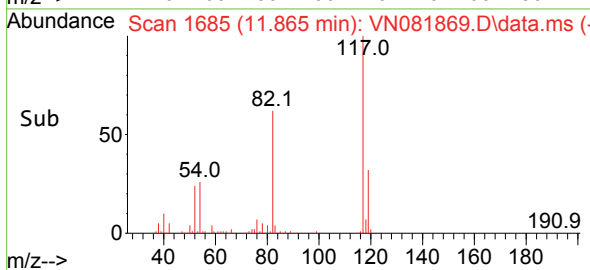
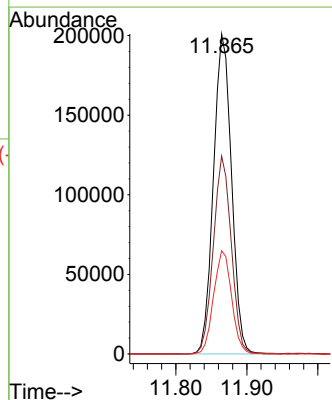
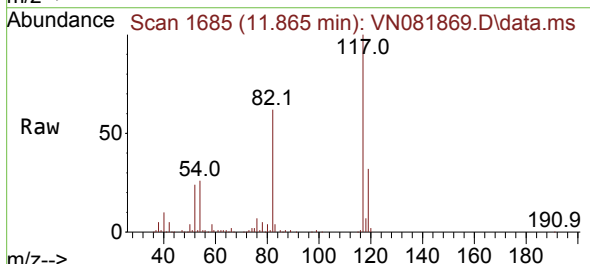
Instrument :
MSVOA_N
ClientSampleId :
VN0426MBL01

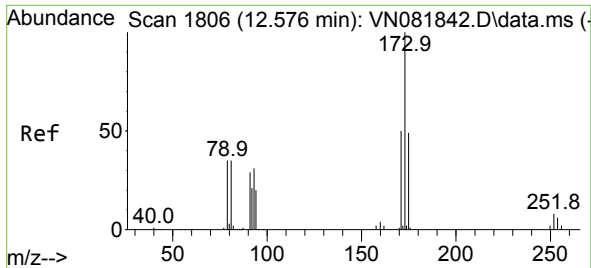
Tgt Ion: 95 Resp: 180813
Ion Ratio Lower Upper
95 100
174 65.2 0.0 160.6
176 62.4 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion: 117 Resp: 354535
Ion Ratio Lower Upper
117 100
82 61.9 44.6 66.8
119 32.3 25.9 38.9

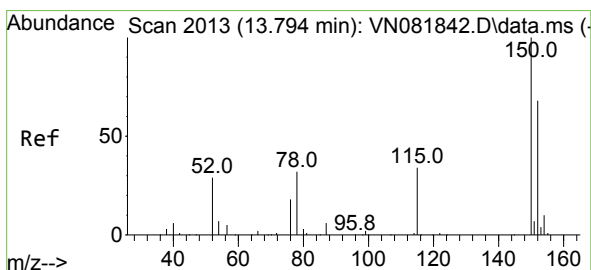
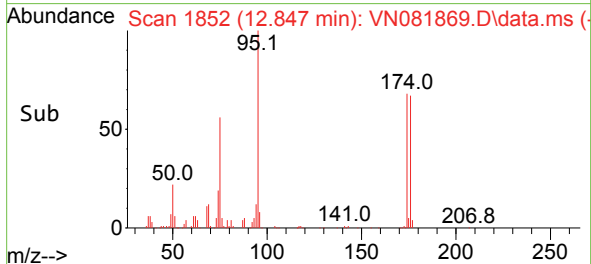
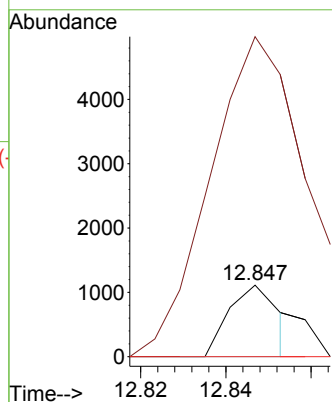
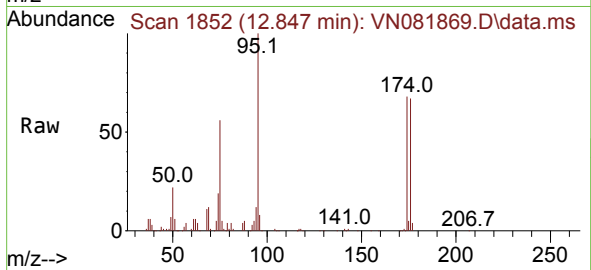




#71
Bromoform
Concen: 0.459 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

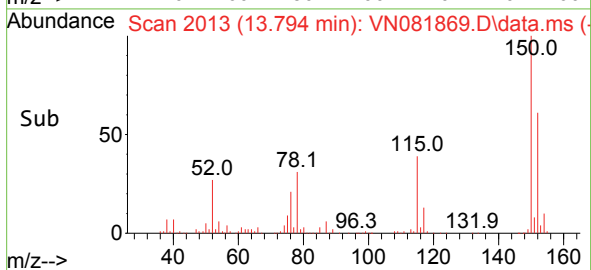
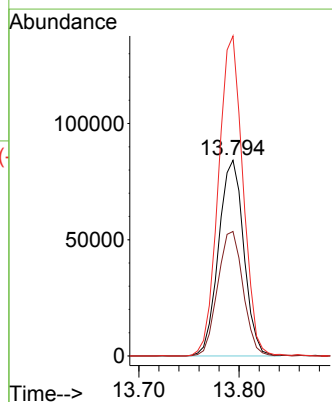
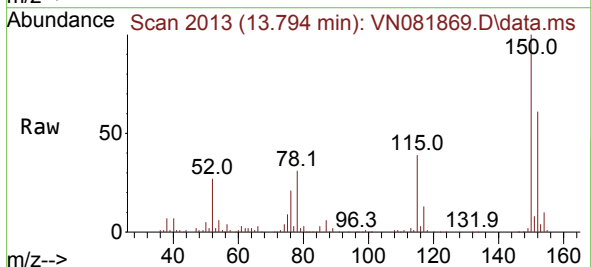
Instrument :
MSVOA_N
ClientSampleId :
VN0426MBL01

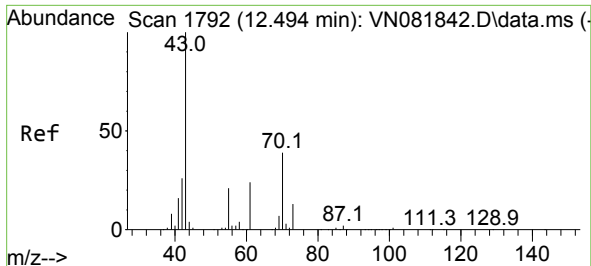
Tgt Ion:173 Resp: 907
Ion Ratio Lower Upper
173 100
175 668.7 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion:152 Resp: 146760
Ion Ratio Lower Upper
152 100
115 64.1 30.4 91.3
150 159.1 0.0 353.2

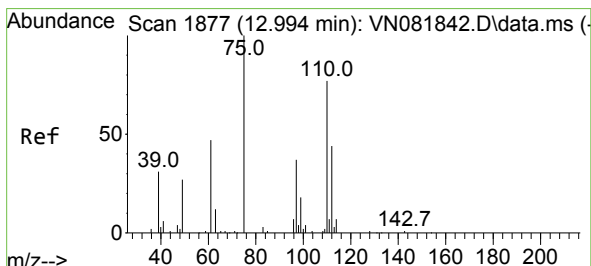
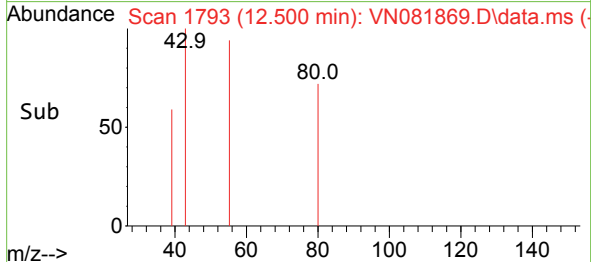
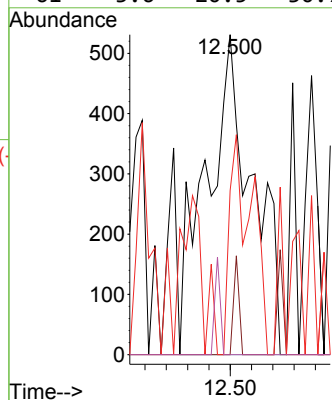
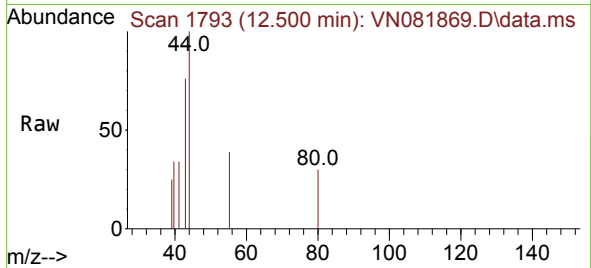




#74
N-amy1 acetate
Concen: 0.221 ug/l
RT: 12.500 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

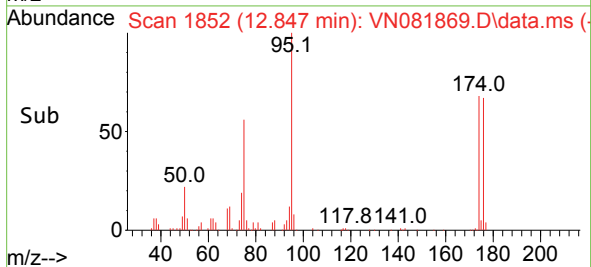
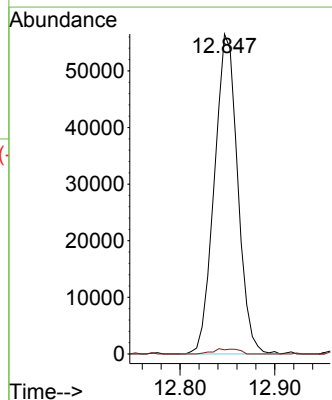
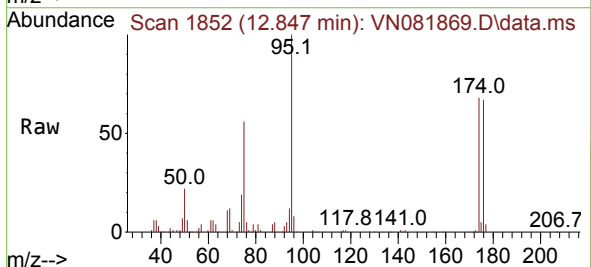
Instrument :
MSVOA_N
ClientSampleId :
VN0426MBL01

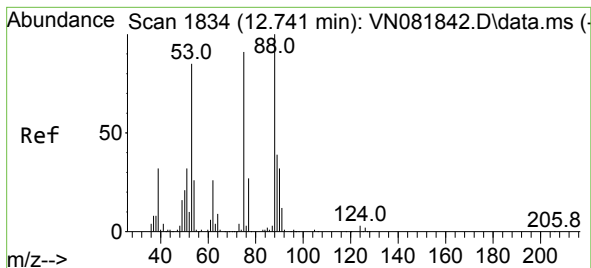
Tgt Ion: 43	Resp: 1602
Ion Ratio	Lower Upper
43 100	
70 3.6	39.0 58.4#
55 33.4	21.3 31.9#
61 3.6	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 25.417 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion: 75	Resp: 96716
Ion Ratio	Lower Upper
75 100	
77 1.7	90.5 271.3#

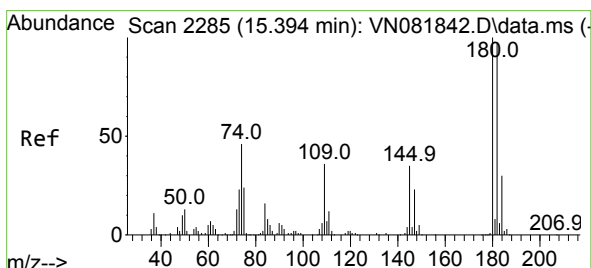
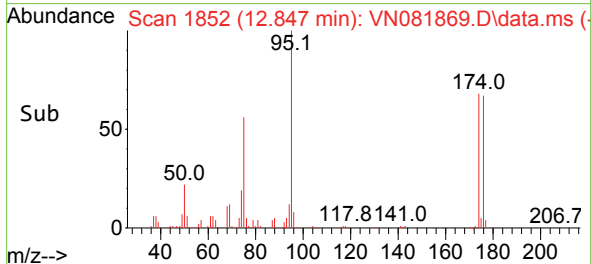
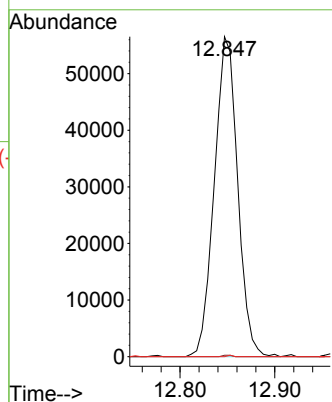
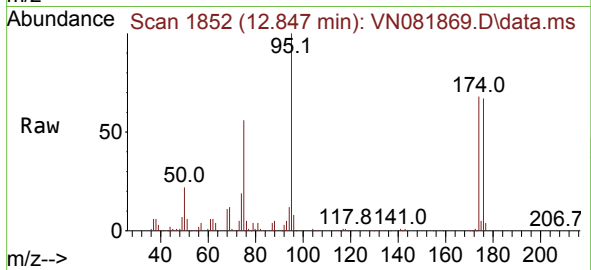




#81
trans-1,4-Dichloro-2-butene
Concen: 52.083 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

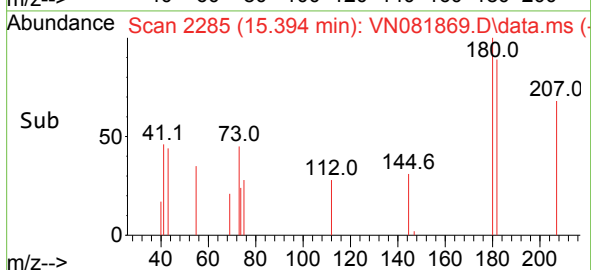
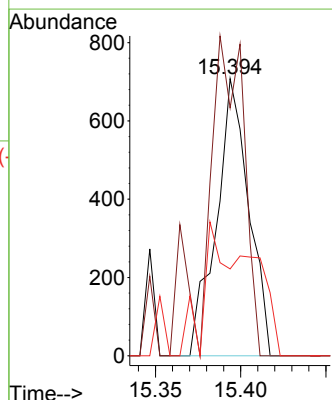
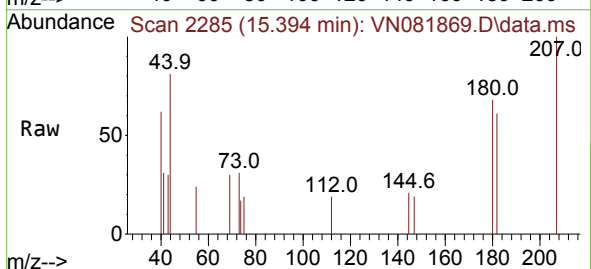
Instrument :
MSVOA_N
ClientSampleId :
VN0426MBL01

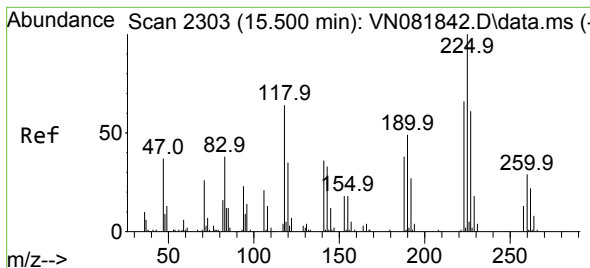
Tgt Ion: 75 Resp: 96716
Ion Ratio Lower Upper
75 100
53 0.2 72.9 109.3#
89 0.1 39.1 58.7#



#93
1,2,4-Trichlorobenzene
Concen: 0.344 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN081869.D
Acq: 26 Apr 2024 10:47

Tgt Ion:180 Resp: 939
Ion Ratio Lower Upper
180 100
182 111.8 46.7 140.0
145 35.9 16.2 48.6





#94

Hexachlorobutadiene

Concen: 1.074 ug/l

RT: 15.494 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN081869.D

Acq: 26 Apr 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0426MBL01

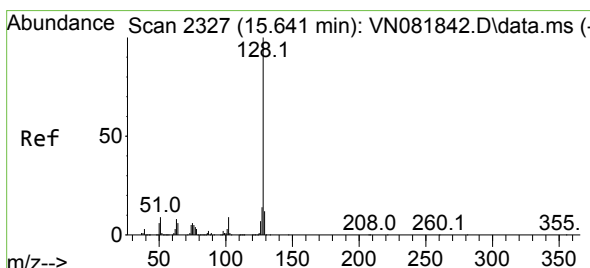
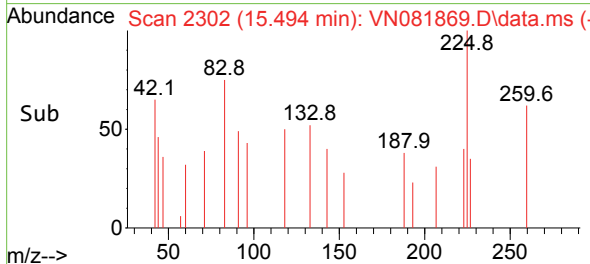
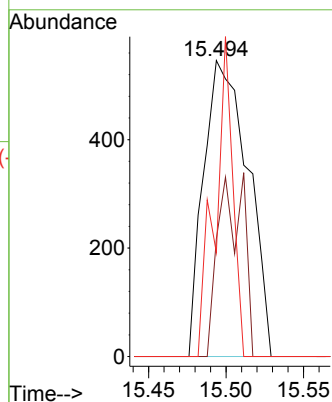
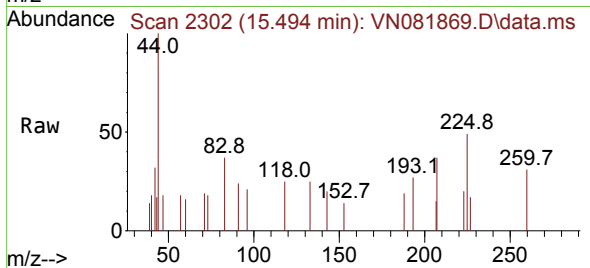
Tgt Ion:225 Resp: 1082

Ion Ratio Lower Upper

225 100

223 35.1 31.1 93.2

227 43.5 30.6 91.6



#95

Naphthalene

Concen: 0.516 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN081869.D

Acq: 26 Apr 2024 10:47

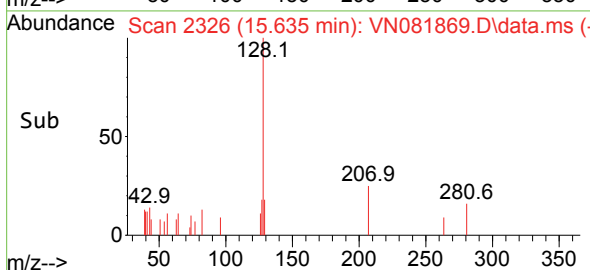
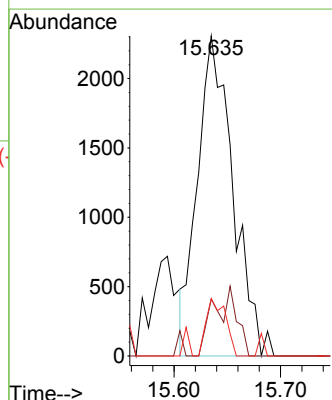
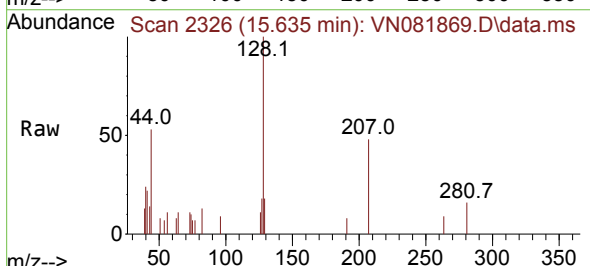
Tgt Ion:128 Resp: 5327

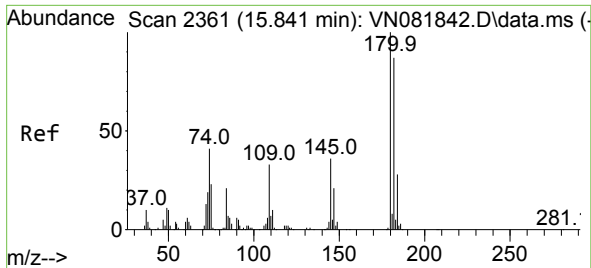
Ion Ratio Lower Upper

128 100

127 7.8 10.1 15.1#

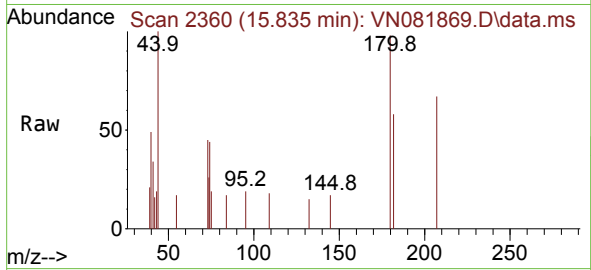
129 9.8 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.573 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN081869.D
 Acq: 26 Apr 2024 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426MBL01



Tgt Ion:	180	Resp:	1502
Ion	Ratio	Lower	Upper
180	100		
182	83.6	46.0	137.8
145	10.9	17.1	51.3#

