

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022924\
 Data File : VN081263.D
 Acq On : 29 Feb 2024 12:40
 Operator : JC\MD
 Sample : VN0229MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0229MBL01

Quant Time: Feb 29 23:49:27 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)

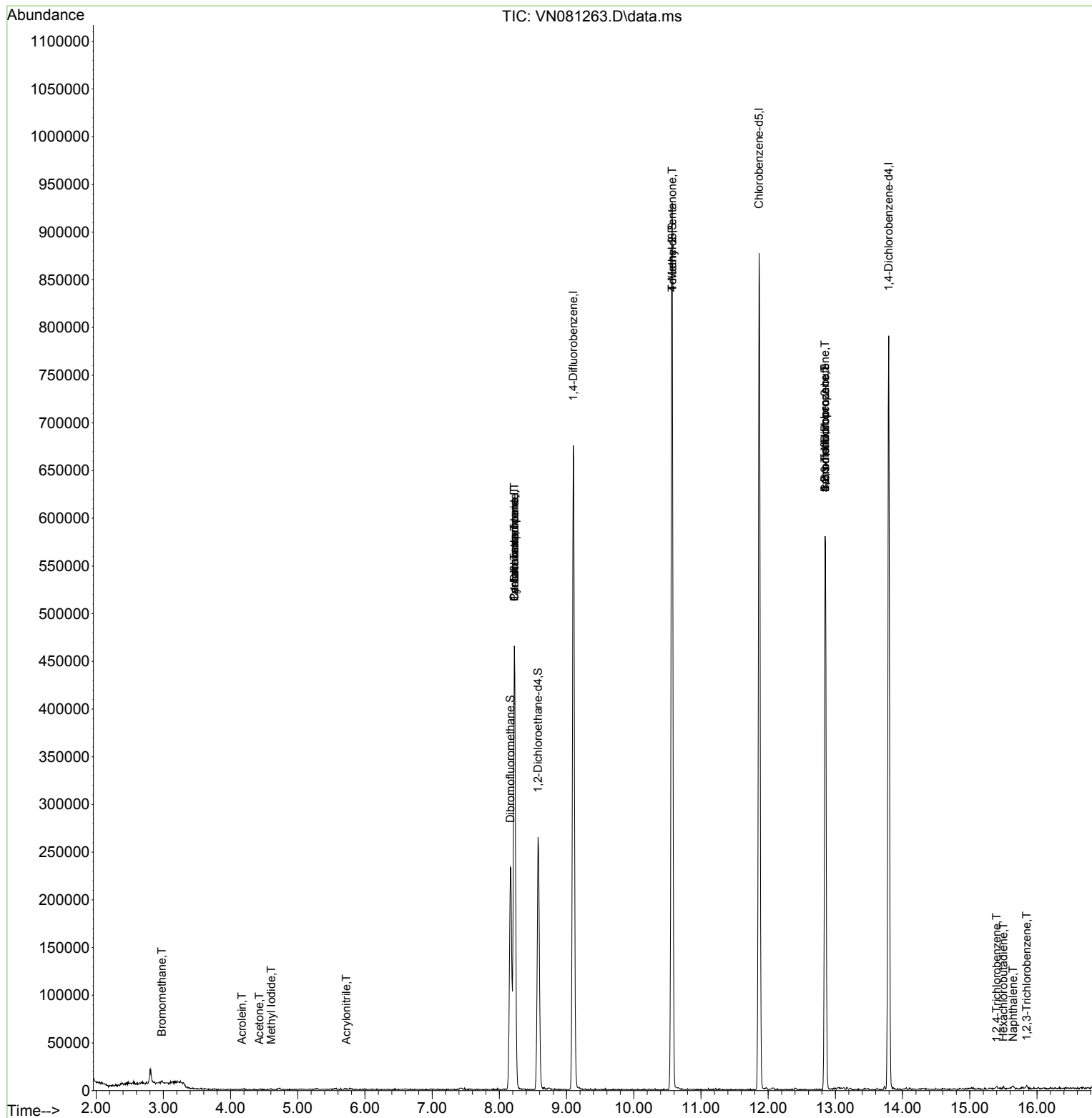
Internal Standards						
1) Pentafluorobenzene	8.224	168	311839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	574165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	495822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	198126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	212524	55.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.200%			
35) Dibromofluoromethane	8.165	113	169513	52.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.420%			
50) Toluene-d8	10.570	98	635422	55.103	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.200%			
62) 4-Bromofluorobenzene	12.847	95	199491	46.040	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.080%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	777	Below Cal	#	59
5) Bromomethane	2.977	94	1194	0.375	ug/l #	68
6) Chloroethane	3.089	64	145	Below Cal	#	40
10) Methyl Iodide	4.606	142	902	0.222	ug/l #	79
13) Acrolein	4.171	56	248	0.658	ug/l #	56
15) Acrylonitrile	5.724	53	604	0.329	ug/l #	53
16) Acetone	4.430	43	536	0.356	ug/l #	44
20) Methylene Chloride	5.271	84	828	Below Cal	#	46
31) Cyclohexane	8.224	56	9545	1.446	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	28719	5.163	ug/l #	52
38) Carbon Tetrachloride	8.224	117	36413	6.470	ug/l #	17
51) 4-Methyl-2-Pentanone	10.570	43	3233	0.640	ug/l #	1
71) Bromoform	12.847	173	1068	0.437	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	111465	24.761	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	111465	63.734	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.400	180	1177	0.300	ug/l #	55
94) Hexachlorobutadiene	15.500	225	796	0.543	ug/l #	61
95) Naphthalene	15.647	128	4866	0.338	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.847	180	1723	0.442	ug/l	58

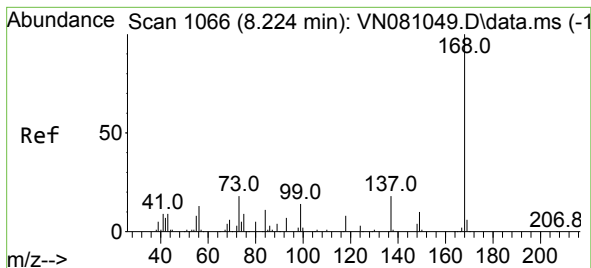
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081263.D

Acq: 29 Feb 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

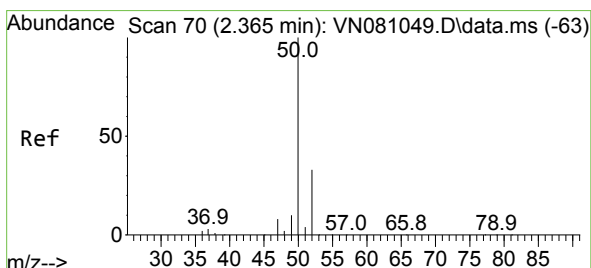
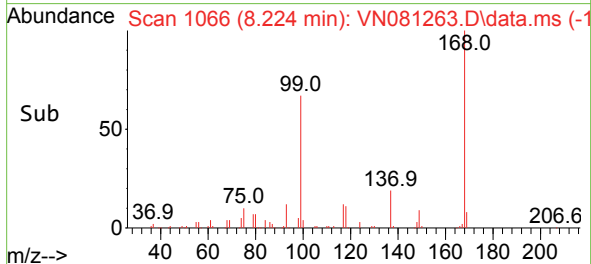
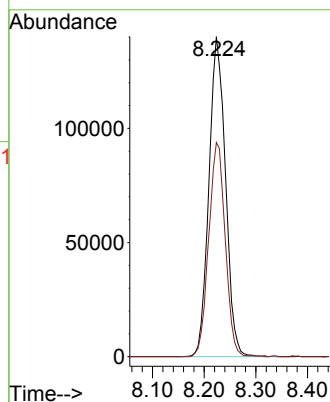
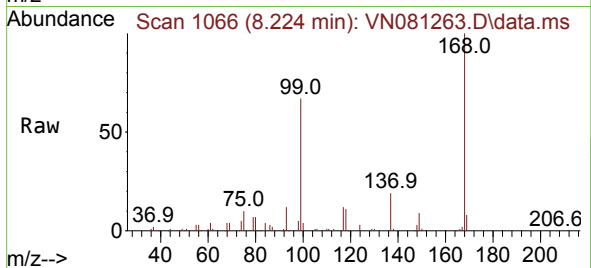
VN0229MBL01

Tgt Ion:168 Resp: 311839

Ion Ratio Lower Upper

168 100

99 66.9 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081263.D

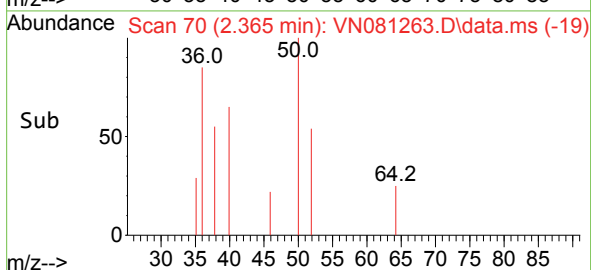
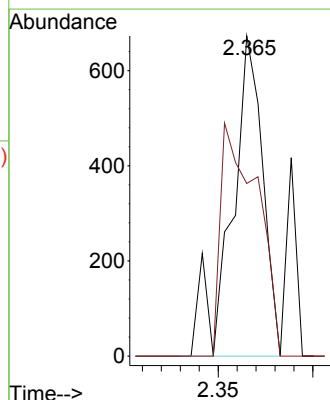
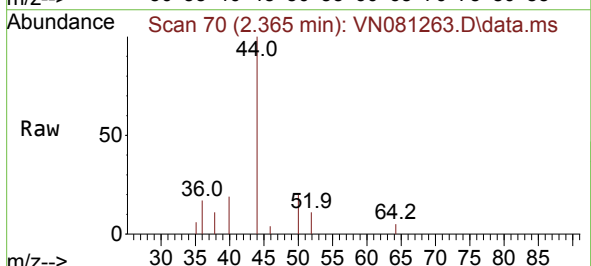
Acq: 29 Feb 2024 12:40

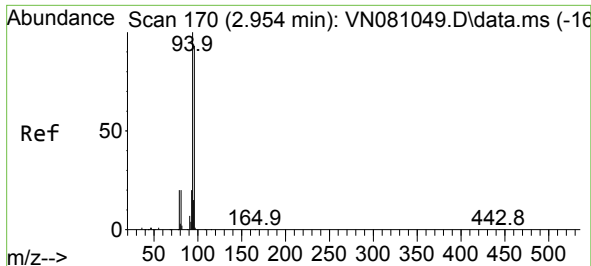
Tgt Ion: 50 Resp: 777

Ion Ratio Lower Upper

50 100

52 53.9 25.0 37.4#





#5

Bromomethane

Concen: 0.375 ug/l

RT: 2.977 min Scan# 11

Delta R.T. 0.023 min

Lab File: VN081263.D

Acq: 29 Feb 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

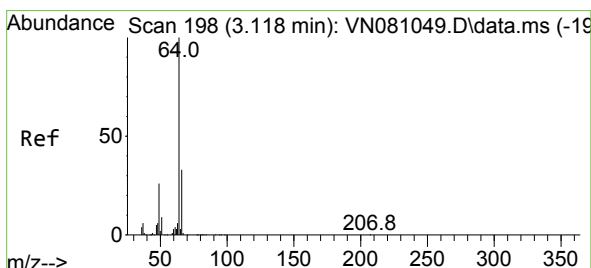
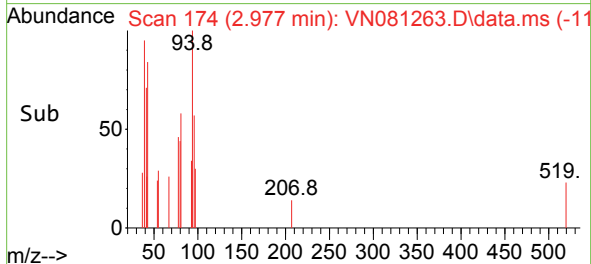
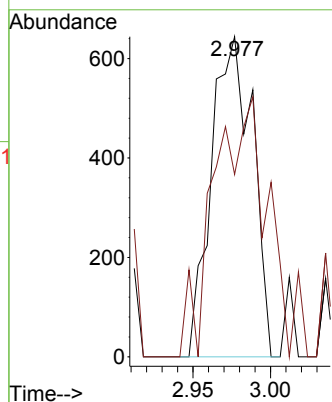
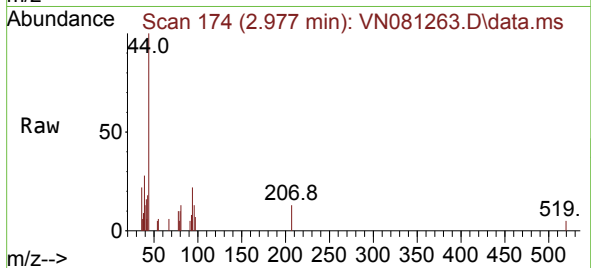
VN0229MBL01

Tgt Ion: 94 Resp: 1194

Ion Ratio Lower Upper

94 100

96 57.0 69.2 103.8#



#6

Chloroethane

Concen: Below Cal

RT: 3.089 min Scan# 193

Delta R.T. -0.029 min

Lab File: VN081263.D

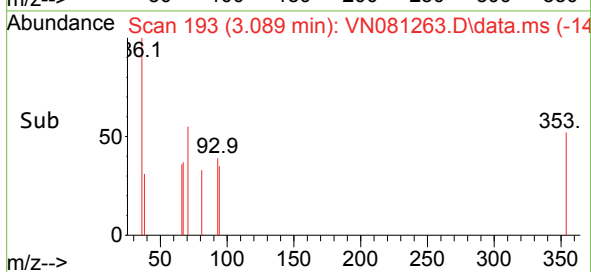
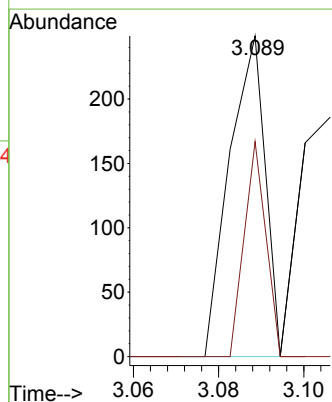
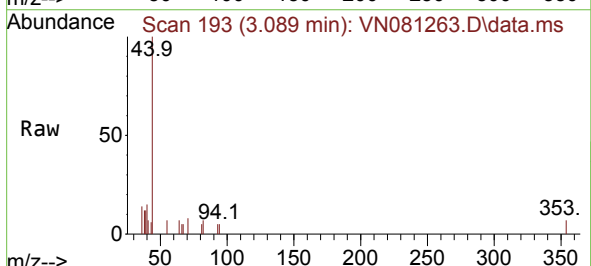
Acq: 29 Feb 2024 12:40

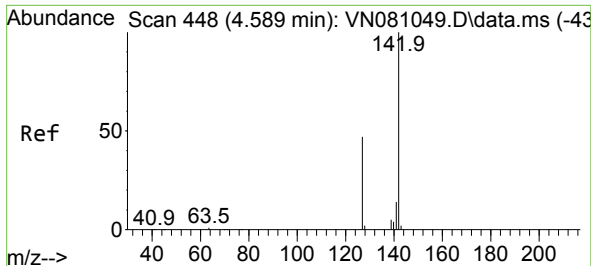
Tgt Ion: 64 Resp: 145

Ion Ratio Lower Upper

64 100

66 67.1 26.4 39.6#





#10

Methyl Iodide

Concen: 0.222 ug/l

RT: 4.606 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN081263.D

Acq: 29 Feb 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0229MBL01

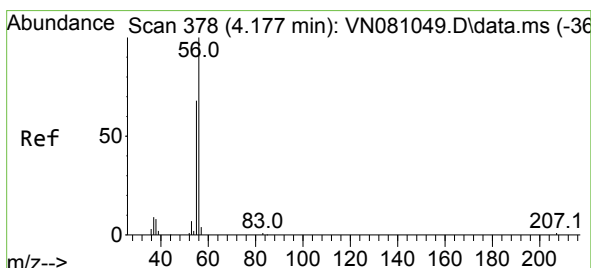
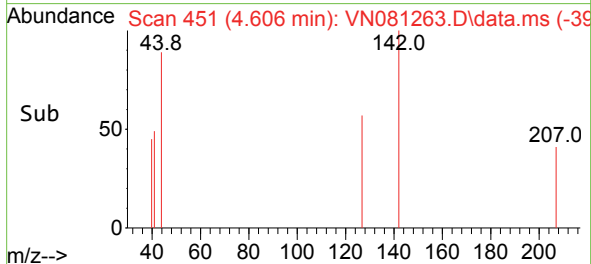
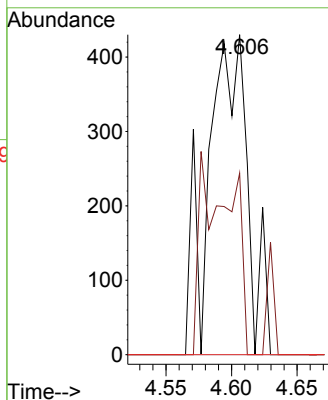
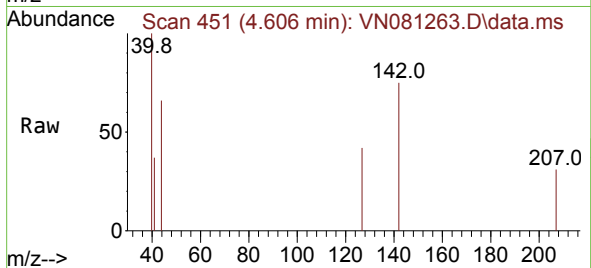
Tgt Ion:142 Resp: 902

Ion Ratio Lower Upper

142 100

127 56.7 37.0 55.4#

141 0.0 12.5 18.7#



#13

Acrolein

Concen: 0.658 ug/l

RT: 4.171 min Scan# 377

Delta R.T. -0.006 min

Lab File: VN081263.D

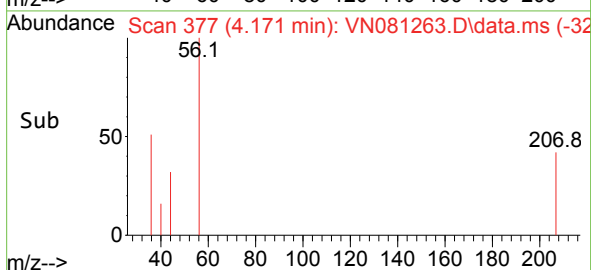
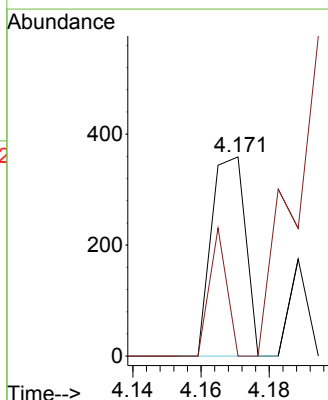
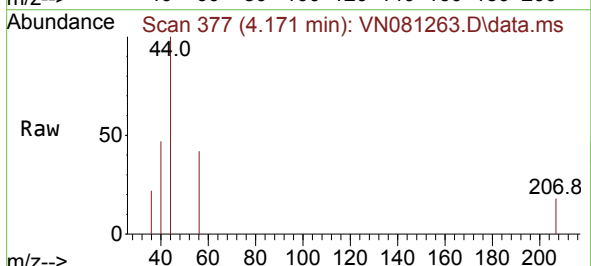
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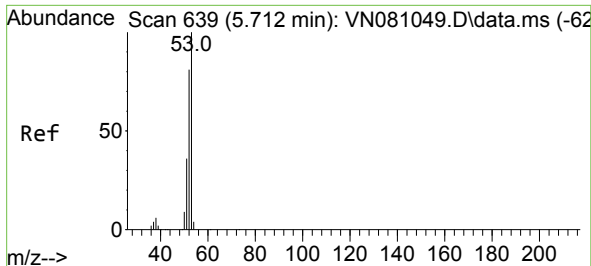
Tgt Ion: 56 Resp: 248

Ion Ratio Lower Upper

56 100

55 33.1 55.3 82.9#





#15

Acrylonitrile

Concen: 0.329 ug/l

RT: 5.724 min Scan# 641

Delta R.T. 0.012 min

Lab File: VN081263.D

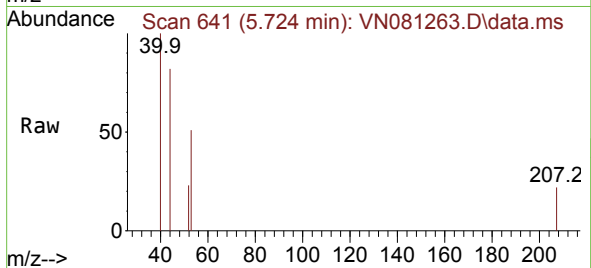
Acq: 29 Feb 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0229MBL01



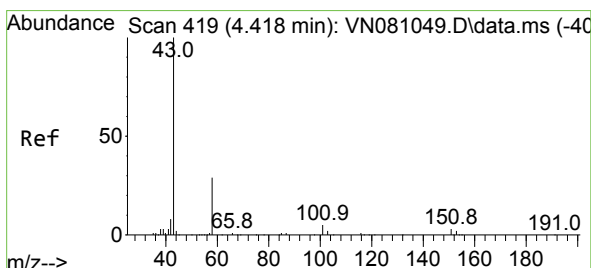
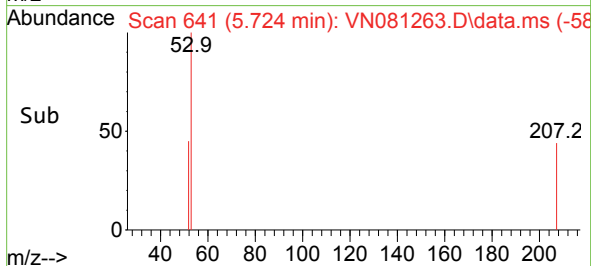
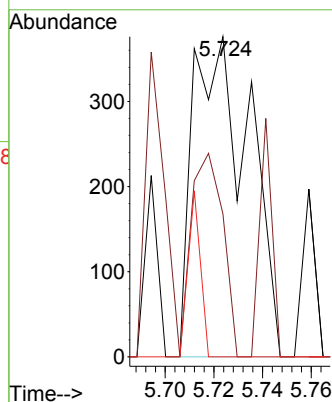
Tgt Ion: 53 Resp: 604

Ion Ratio Lower Upper

53 100

52 35.9 64.8 97.2#

51 11.4 26.9 40.3#



#16

Acetone

Concen: 0.356 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.011 min

Lab File: VN081263.D

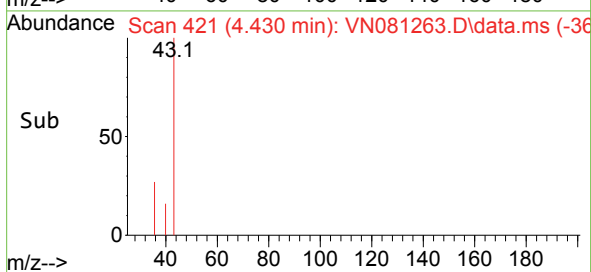
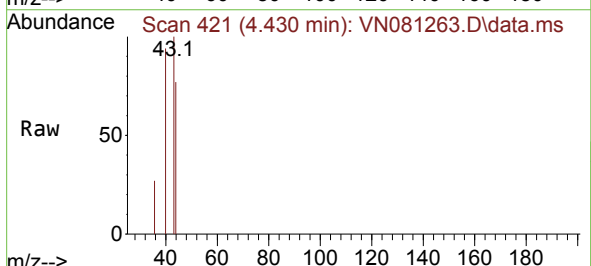
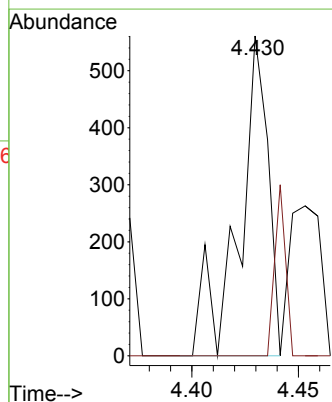
Acq: 29 Feb 2024 12:40

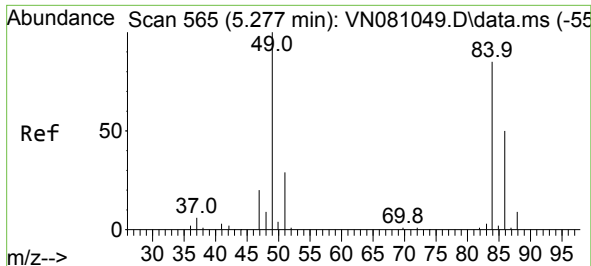
Tgt Ion: 43 Resp: 536

Ion Ratio Lower Upper

43 100

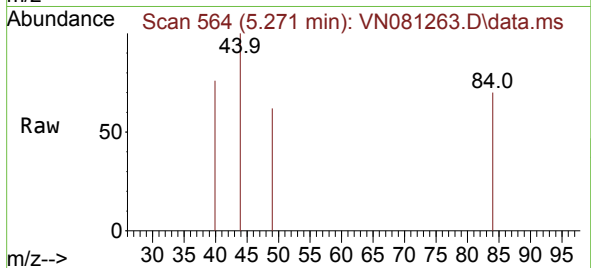
58 0.0 24.8 37.2#



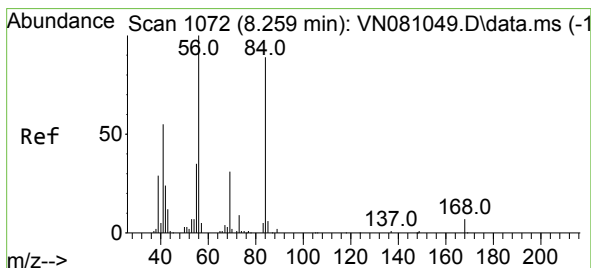
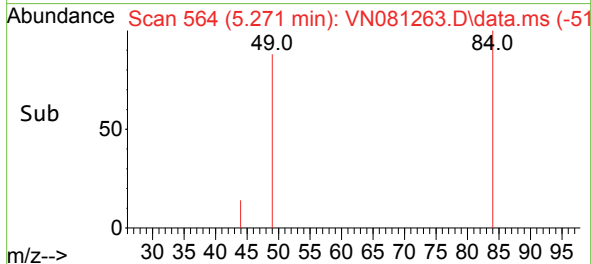
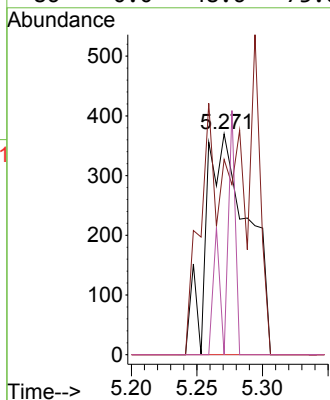


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081263.D
Acq: 29 Feb 2024 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0229MBL01

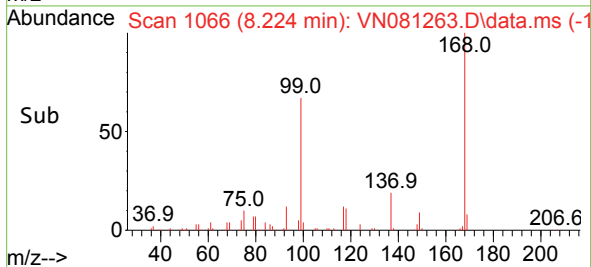
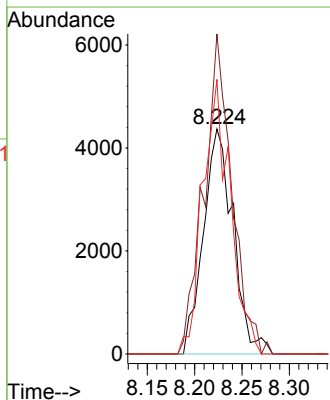
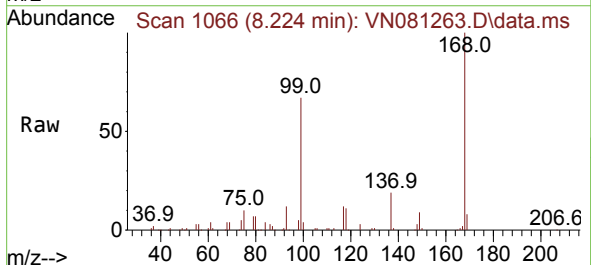


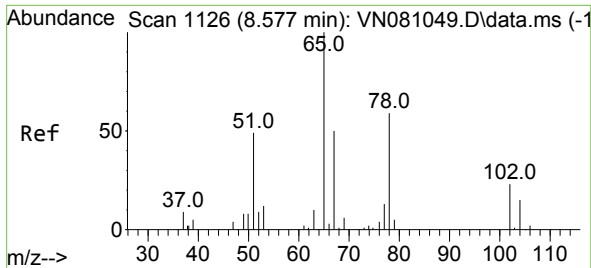
Tgt Ion:	84	Resp:	828
Ion	Ratio	Lower	Upper
84	100		
49	88.4	108.1	162.1#
51	0.0	32.9	49.3#
86	0.0	48.6	73.0#



#31
Cyclohexane
Concen: 1.446 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN081263.D
Acq: 29 Feb 2024 12:40

Tgt Ion:	56	Resp:	9545
Ion	Ratio	Lower	Upper
56	100		
69	142.2	20.1	30.1#
84	122.0	56.9	85.3#

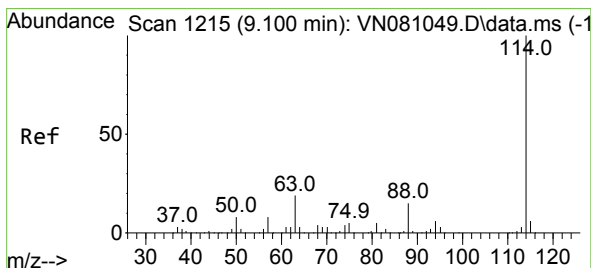
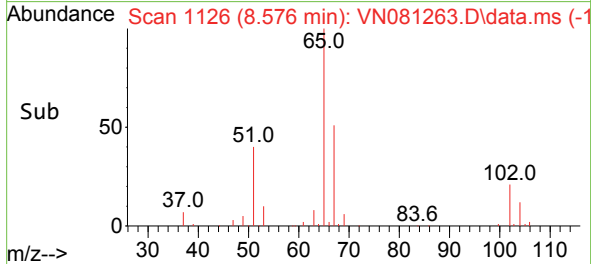
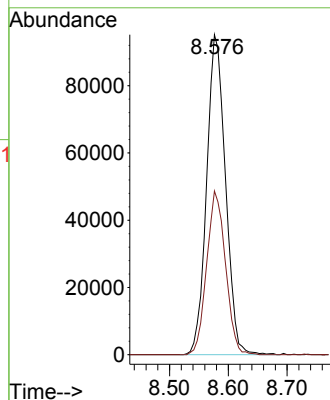
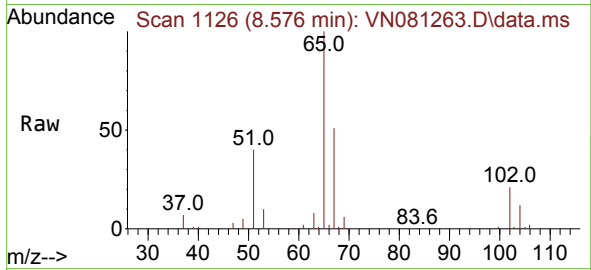




#33
 1,2-Dichloroethane-d4
 Concen: 55.601 ug/l
 RT: 8.576 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN081263.D
 Acq: 29 Feb 2024 12:40

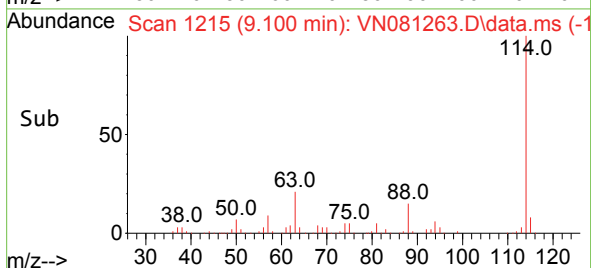
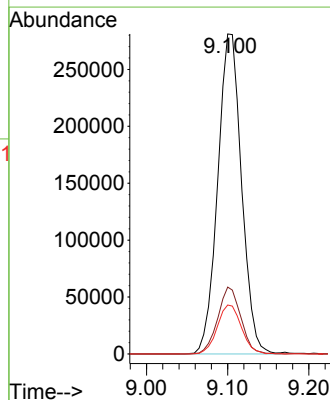
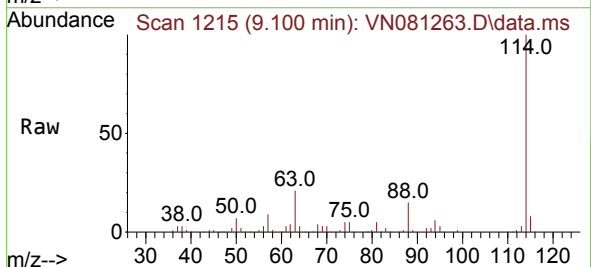
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0229MBL01

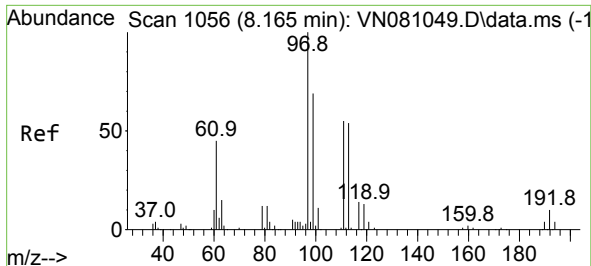
Tgt Ion: 65 Resp: 212524
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN081263.D
 Acq: 29 Feb 2024 12:40

Tgt Ion: 114 Resp: 574165
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 48.0
 88 15.3 0.0 34.8

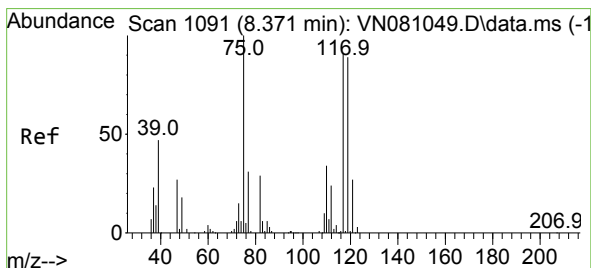
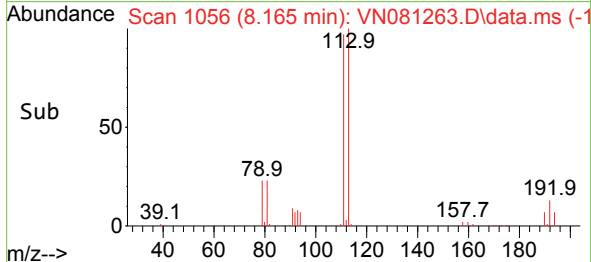
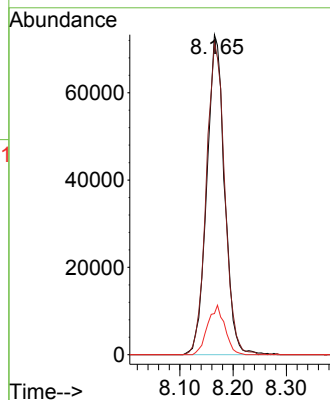
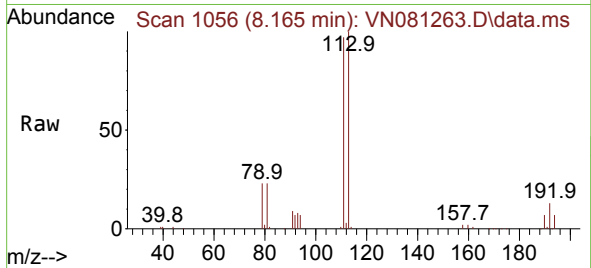




#35
Dibromofluoromethane
Concen: 52.210 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081263.D
Acq: 29 Feb 2024 12:40

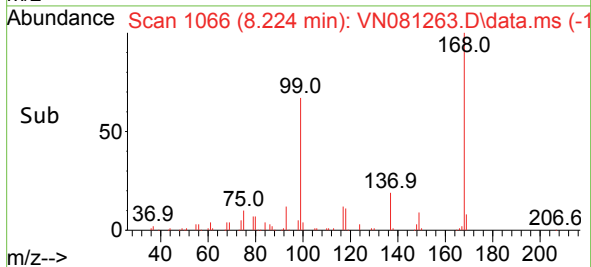
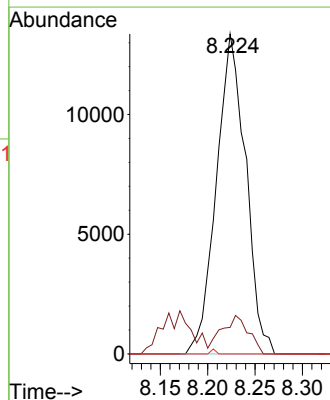
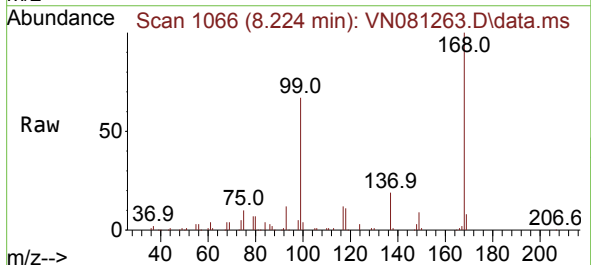
Instrument :
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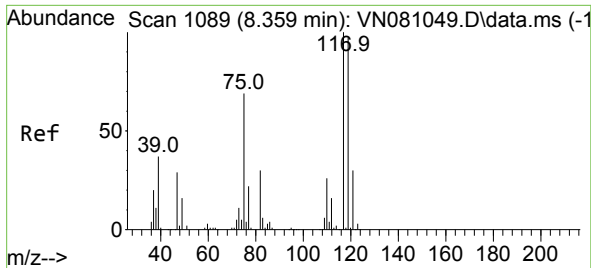
Tgt Ion:113 Resp: 169513
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 15.0 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.163 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081263.D
Acq: 29 Feb 2024 12:40

Tgt Ion: 75 Resp: 28719
Ion Ratio Lower Upper
75 100
110 11.0 16.0 48.0#
77 0.0 25.8 38.6#

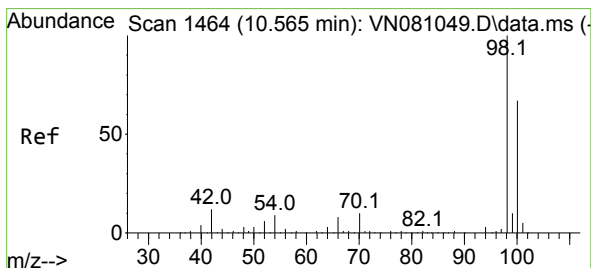
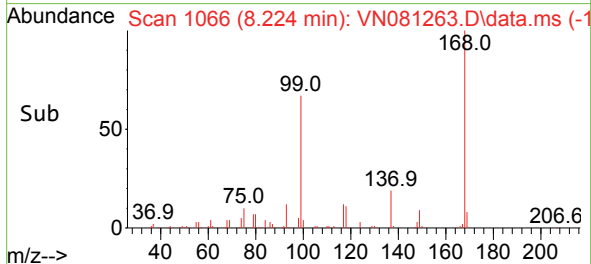
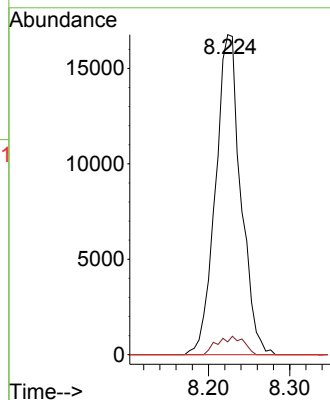
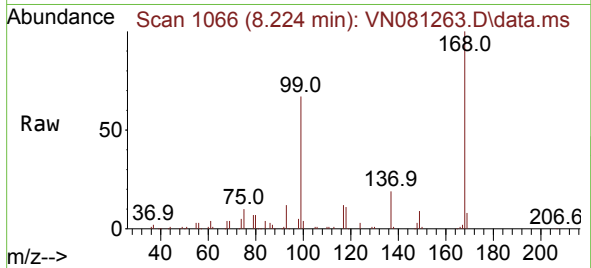




#38
Carbon Tetrachloride
Concen: 6.470 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.136 min
Lab File: VN081263.D
Acq: 29 Feb 2024 12:40

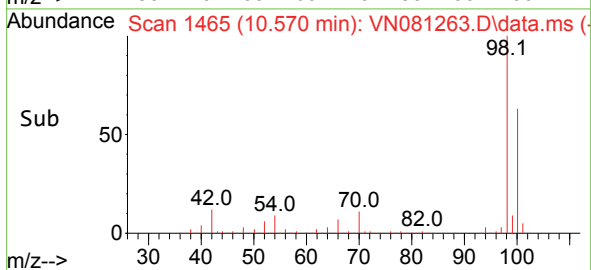
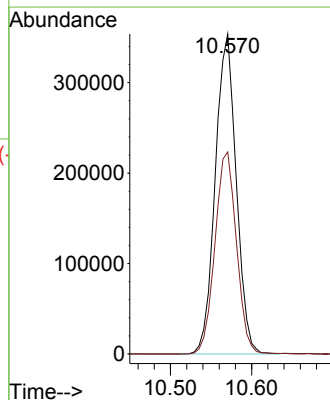
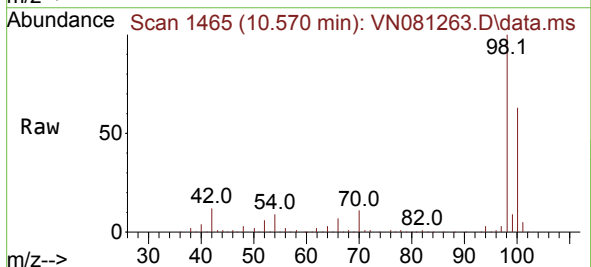
Instrument :
MSVOA_N
ClientSampleId :
VN0229MBL01

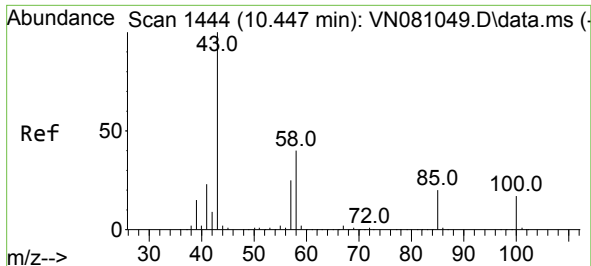
Tgt Ion:117 Resp: 36413
Ion Ratio Lower Upper
117 100
119 4.0 73.4 110.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 55.103 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081263.D
Acq: 29 Feb 2024 12:40

Tgt Ion: 98 Resp: 635422
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.640 ug/l

RT: 10.570 min Scan# 1444

Delta R.T. 0.123 min

Lab File: VN081263.D

Acq: 29 Feb 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

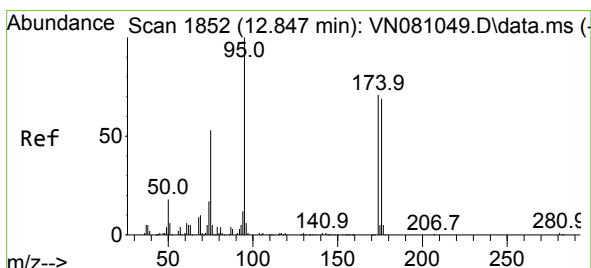
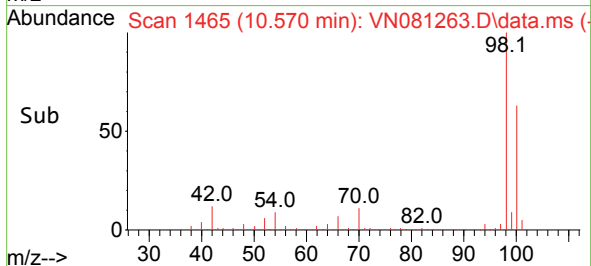
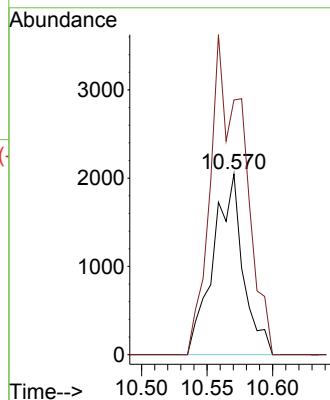
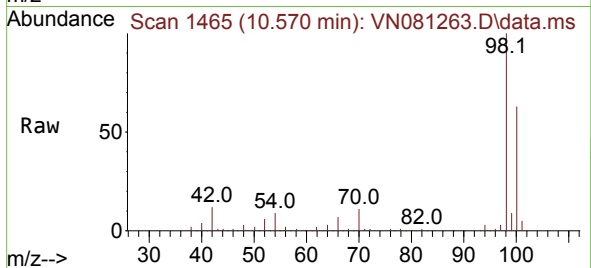
VN0229MBL01

Tgt Ion: 43 Resp: 3233

Ion Ratio Lower Upper

43 100

58 199.5 29.4 44.0#



#62

4-Bromofluorobenzene

Concen: 46.040 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN081263.D

Acq: 29 Feb 2024 12:40

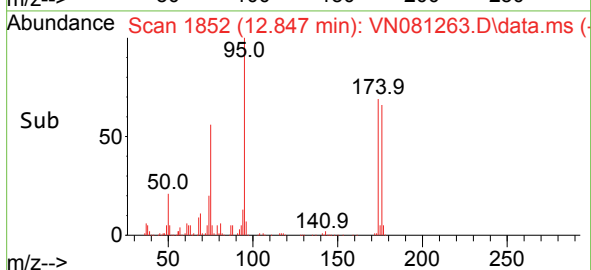
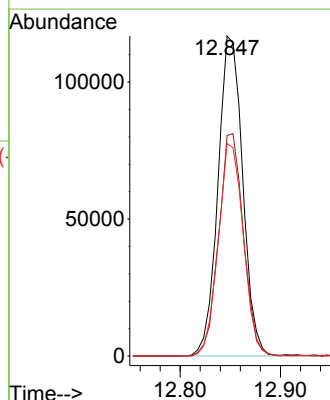
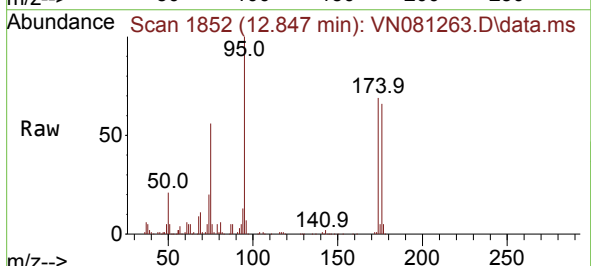
Tgt Ion: 95 Resp: 199491

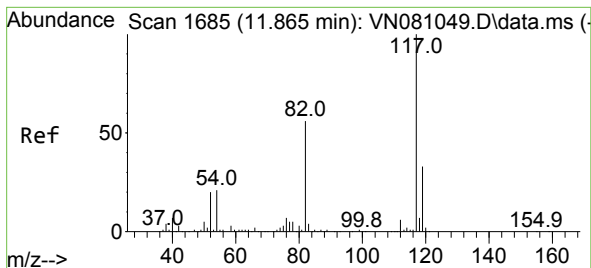
Ion Ratio Lower Upper

95 100

174 69.5 0.0 120.4

176 67.4 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.864 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081263.D

Acq: 29 Feb 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0229MBL01

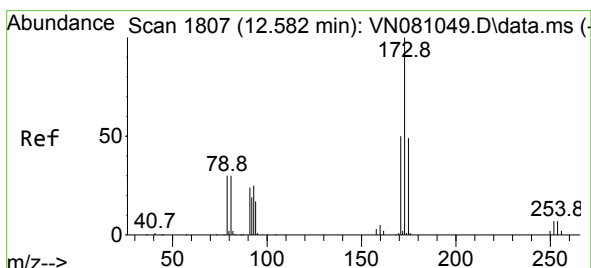
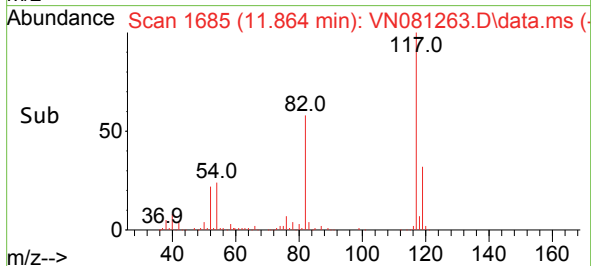
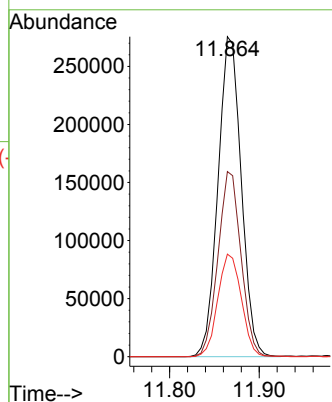
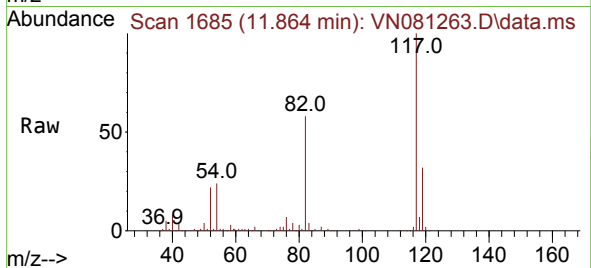
Tgt Ion:117 Resp: 495822

Ion Ratio Lower Upper

117 100

82 57.8 52.7 79.1

119 32.0 25.3 37.9



#71

Bromoform

Concen: 0.437 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.264 min

Lab File: VN081263.D

Acq: 29 Feb 2024 12:40

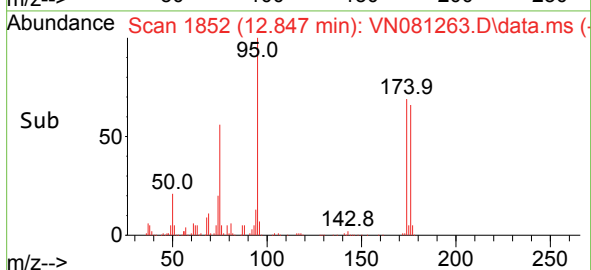
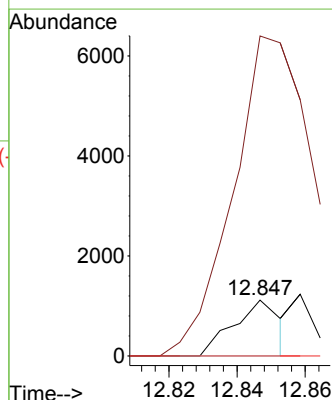
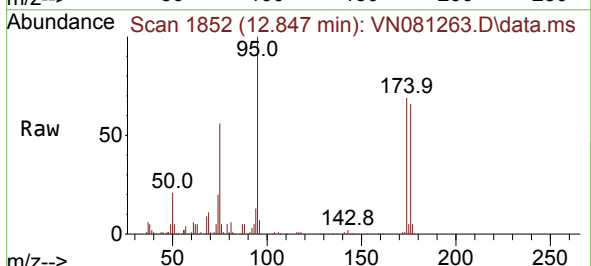
Tgt Ion:173 Resp: 1068

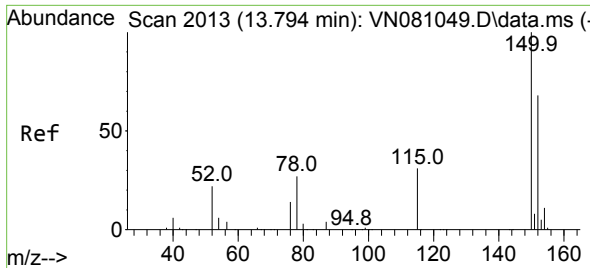
Ion Ratio Lower Upper

173 100

175 825.2 23.1 69.2#

254 0.0 0.0 0.0

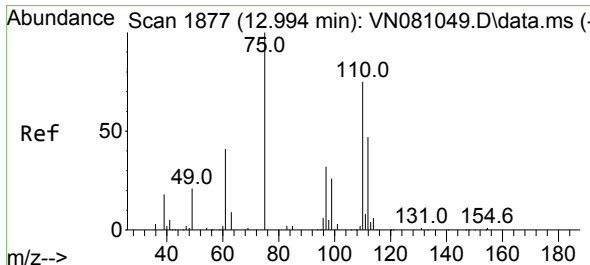
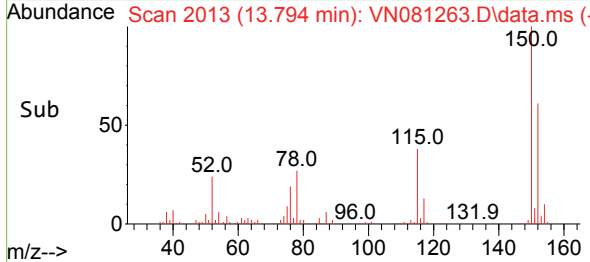
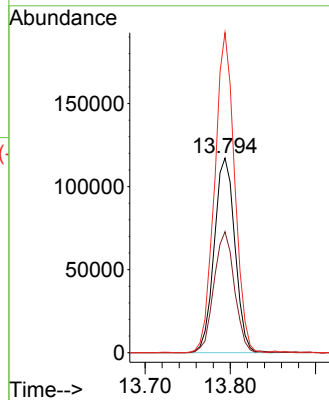
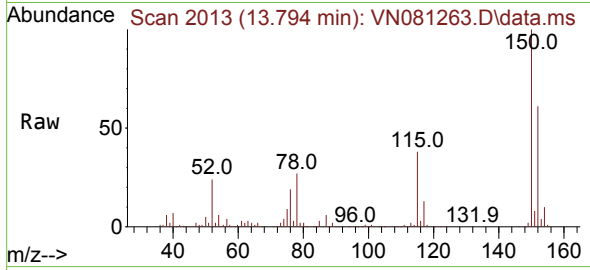




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN081263.D
 Acq: 29 Feb 2024 12:40

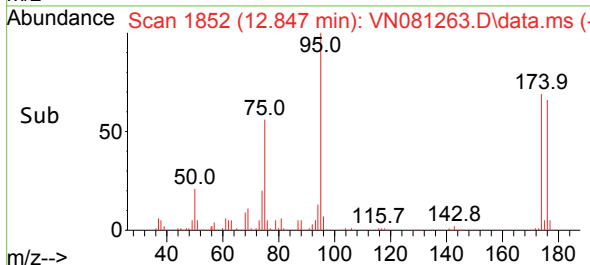
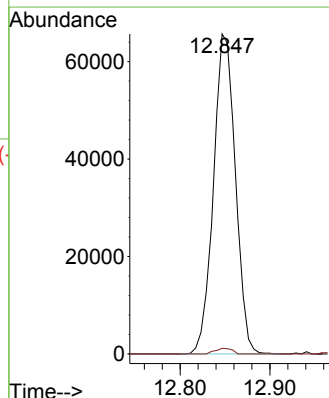
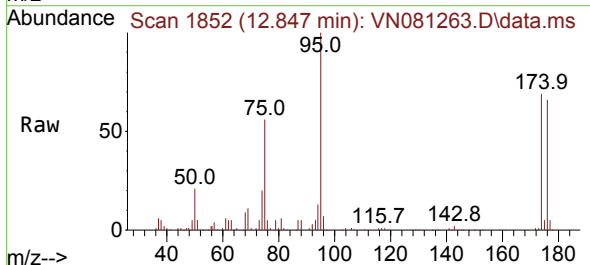
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0229MBL01

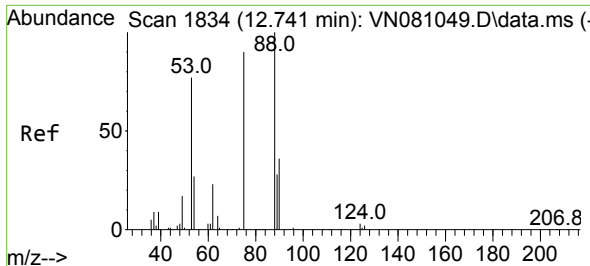
Tgt Ion:152 Resp: 198126
 Ion Ratio Lower Upper
 152 100
 115 61.5 32.3 96.8
 150 158.5 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 24.761 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081263.D
 Acq: 29 Feb 2024 12:40

Tgt Ion: 75 Resp: 111465
 Ion Ratio Lower Upper
 75 100
 77 1.4 91.0 272.8#

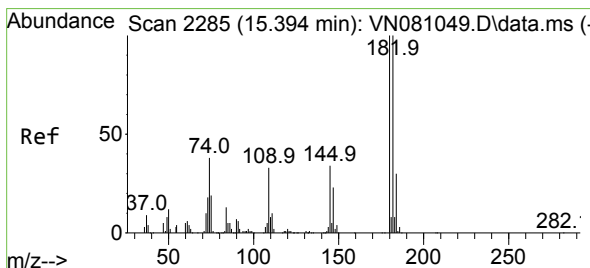
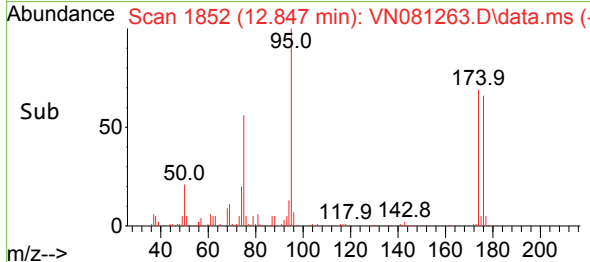
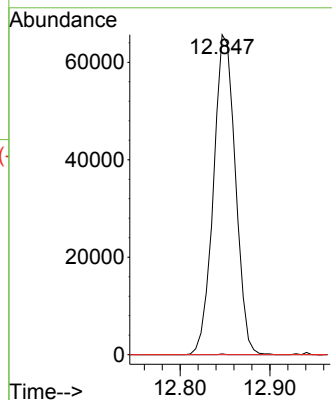
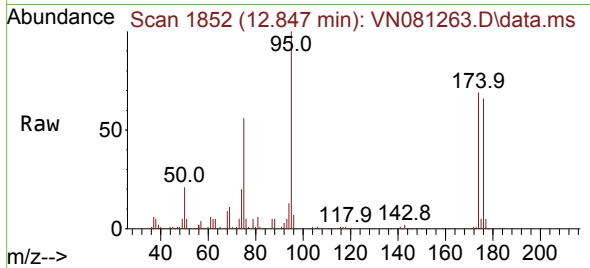




#81
trans-1,4-Dichloro-2-butene
Concen: 63.734 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN081263.D
Acq: 29 Feb 2024 12:40

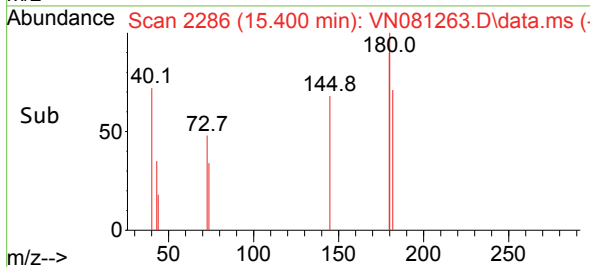
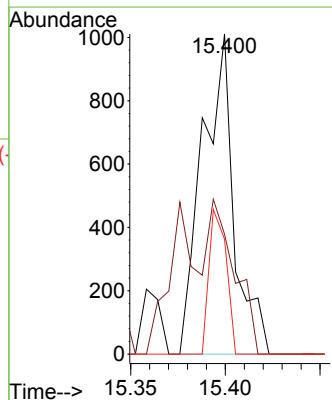
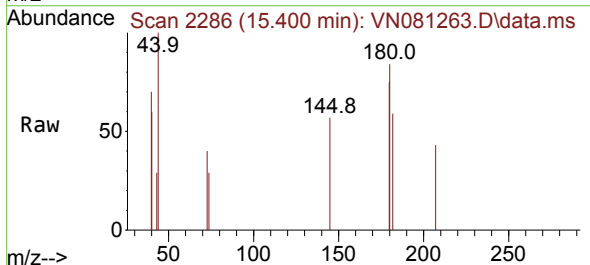
Instrument :
MSVOA_N
ClientSampleId :
VN0229MBL01

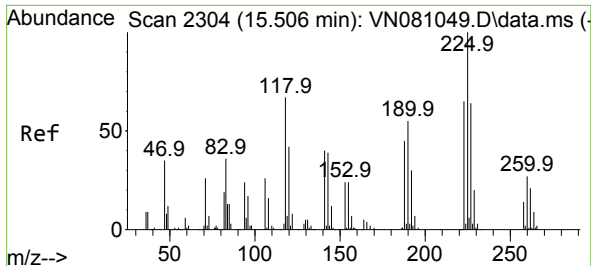
Tgt Ion: 75 Resp: 111465
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.300 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN081263.D
Acq: 29 Feb 2024 12:40

Tgt Ion:180 Resp: 1177
Ion Ratio Lower Upper
180 100
182 39.8 46.6 139.7#
145 24.6 16.8 50.3

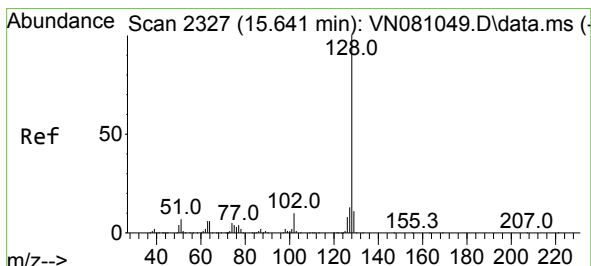
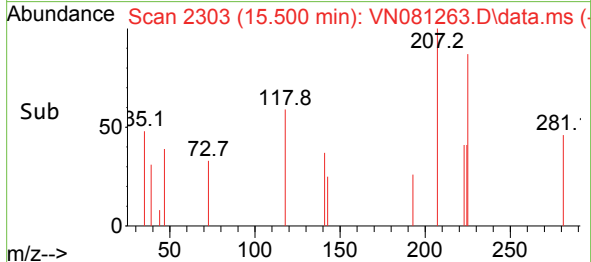
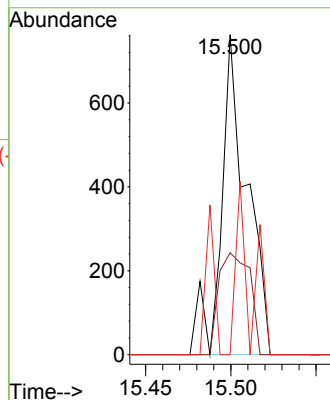
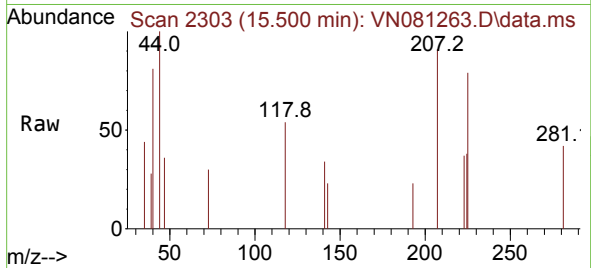




#94
Hexachlorobutadiene
Concen: 0.543 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081263.D
Acq: 29 Feb 2024 12:40

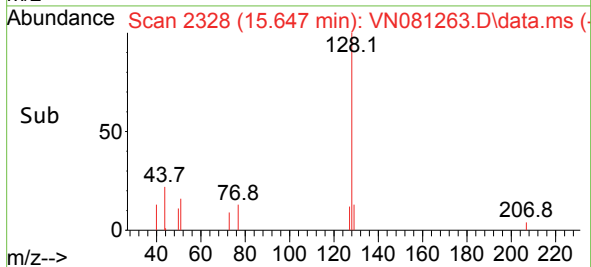
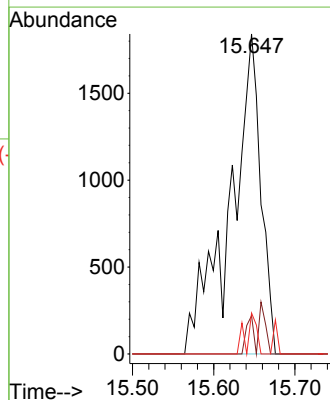
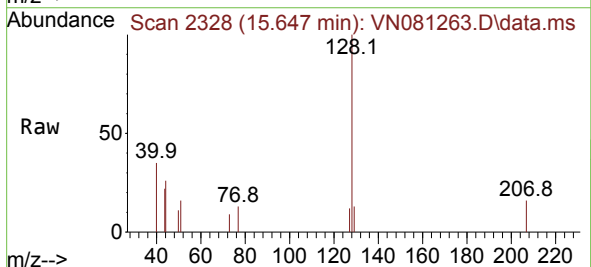
Instrument :
MSVOA_N
ClientSampleId :
VN0229MBL01

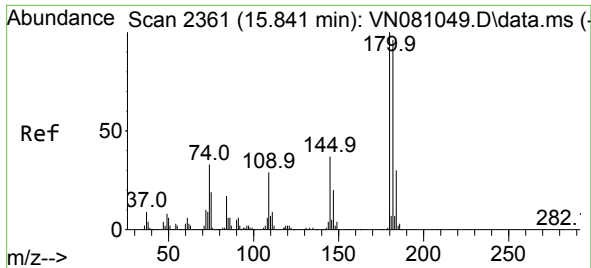
Tgt Ion:225 Resp: 796
Ion Ratio Lower Upper
225 100
223 38.6 33.3 99.8
227 32.0 33.1 99.2#



#95
Naphthalene
Concen: 0.338 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN081263.D
Acq: 29 Feb 2024 12:40

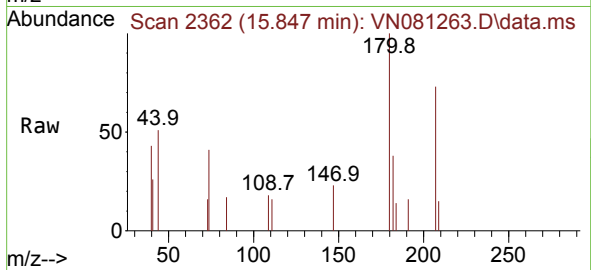
Tgt Ion:128 Resp: 4866
Ion Ratio Lower Upper
128 100
127 2.8 10.0 15.0#
129 4.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.442 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081263.D
 Acq: 29 Feb 2024 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0229MBL01



Tgt Ion:	180	Resp:	1723
Ion	Ratio	Lower	Upper
180	100		
182	46.7	46.5	139.3
145	20.5	17.8	53.4

