

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021624\
 Data File : VN081056.D
 Acq On : 16 Feb 2024 16:31
 Operator : JC\MD
 Sample : VN0216WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0216WBL01

Quant Time: Feb 16 23:47:33 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

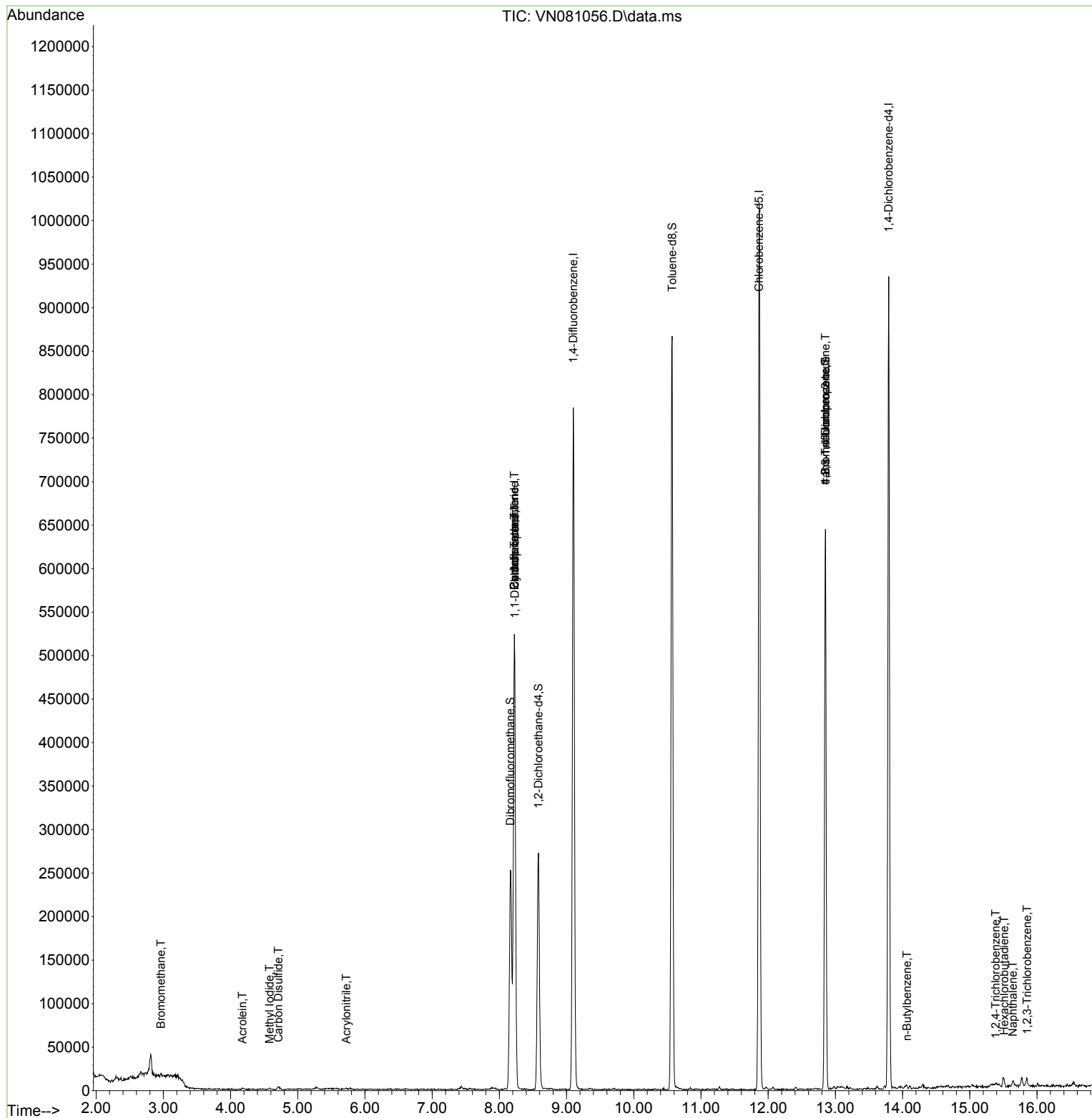
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	369920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	698433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	592458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	239435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	218778	48.251	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.500%
35) Dibromofluoromethane	8.165	113	184884	46.813	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.620%
50) Toluene-d8	10.571	98	608274	43.364	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	86.720%
62) 4-Bromofluorobenzene	12.853	95	225551	42.793	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.580%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3016	Below Cal	#	87
5) Bromomethane	2.965	94	895	0.237	ug/l #	71
6) Chloroethane	3.283	64	361	Below Cal	#	42
10) Methyl Iodide	4.583	142	1210	0.250	ug/l #	65
13) Acrolein	4.177	56	698	1.562	ug/l #	1
15) Acrylonitrile	5.724	53	1377	0.632	ug/l #	91
17) Carbon Disulfide	4.712	76	5760	0.494	ug/l #	93
20) Methylene Chloride	5.271	84	716	Below Cal	#	63
31) Cyclohexane	8.224	56	9130	1.166	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	31737	4.691	ug/l #	52
38) Carbon Tetrachloride	8.224	117	41995	6.135	ug/l #	18
49) 1,4-Dioxane	9.694	88	323	Below Cal	#	80
76) 1,2,3-Trichloropropane	12.853	75	118505	21.783	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118505	56.069	ug/l #	14
89) n-Butylbenzene	14.065	91	3021	0.204	ug/l	82
93) 1,2,4-Trichlorobenzene	15.388	180	1573	0.331	ug/l	77
94) Hexachlorobutadiene	15.511	225	1525	0.861	ug/l	95
95) Naphthalene	15.641	128	6942	0.399	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.853	180	1996	0.424	ug/l	80

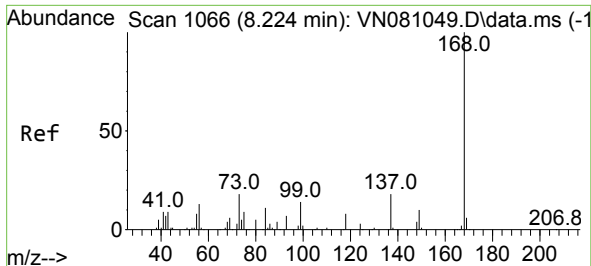
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

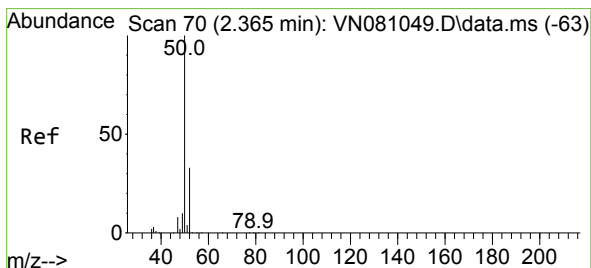
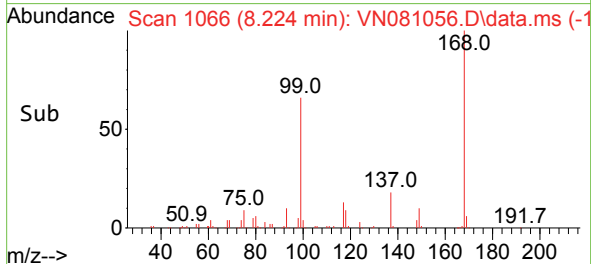
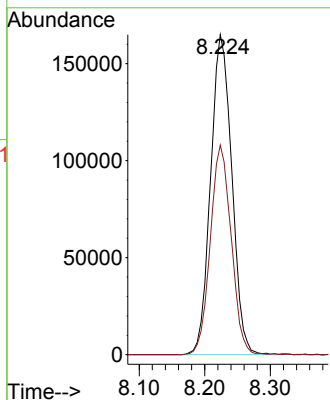
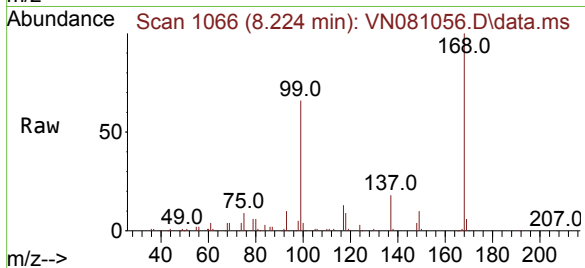




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

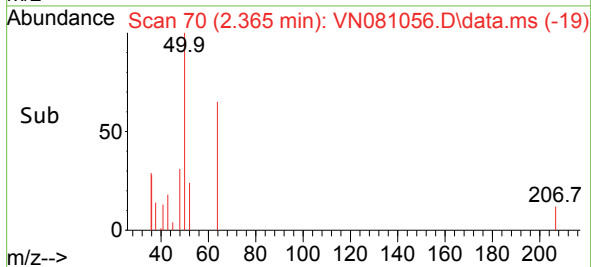
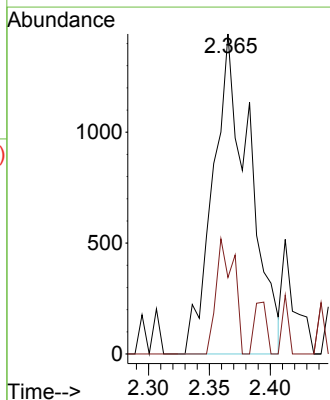
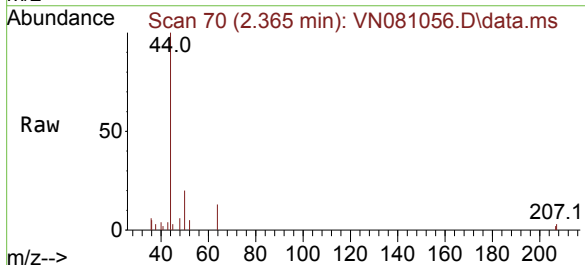
Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

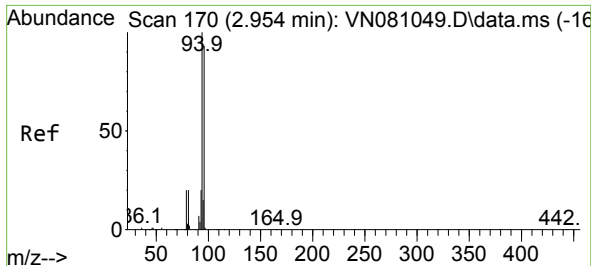
Tgt Ion:168 Resp: 369920
Ion Ratio Lower Upper
168 100
99 65.5 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Tgt Ion: 50 Resp: 3016
Ion Ratio Lower Upper
50 100
52 23.9 25.0 37.4#

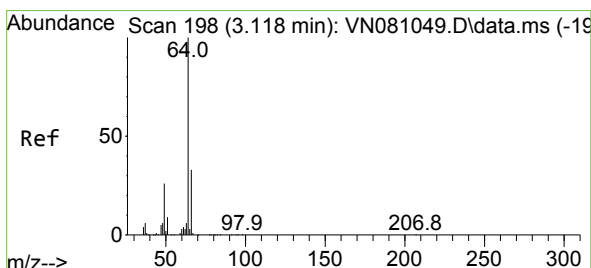
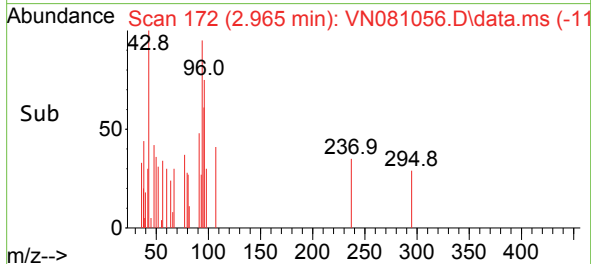
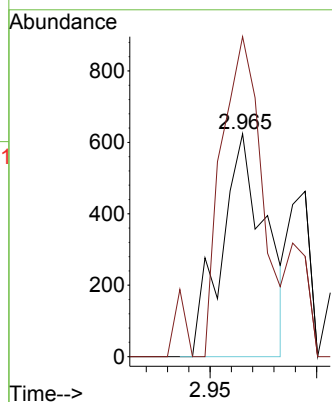
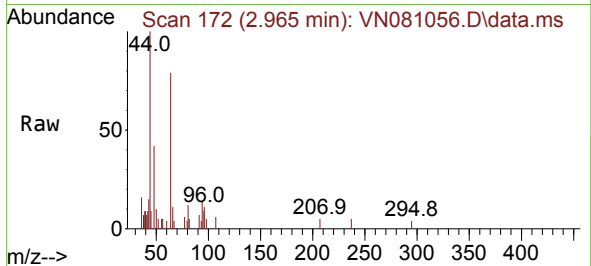




#5
Bromomethane
Concen: 0.237 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

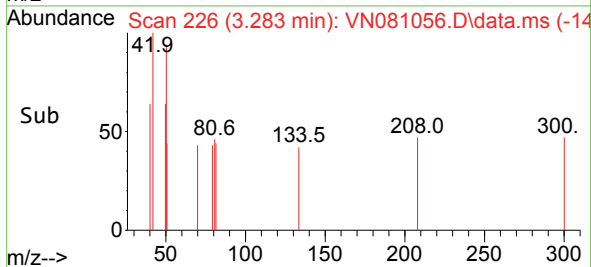
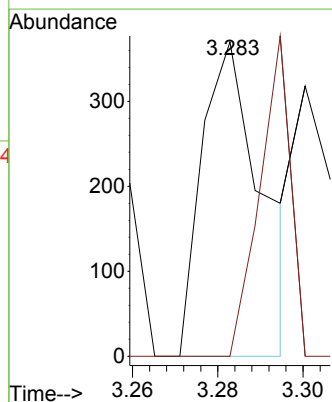
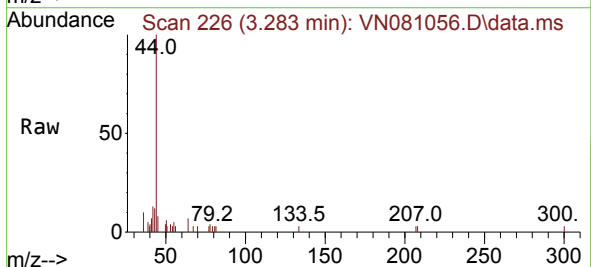
Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

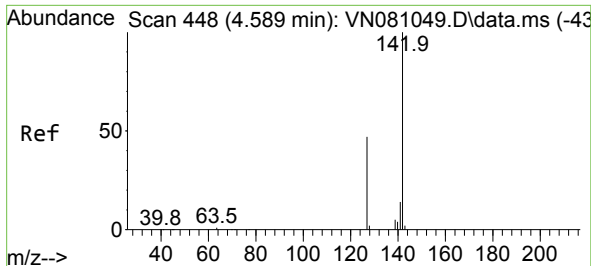
Tgt Ion: 94 Resp: 895
Ion Ratio Lower Upper
94 100
96 113.5 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.283 min Scan# 226
Delta R.T. 0.165 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Tgt Ion: 64 Resp: 361
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

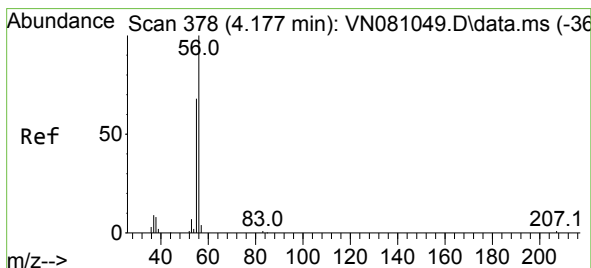
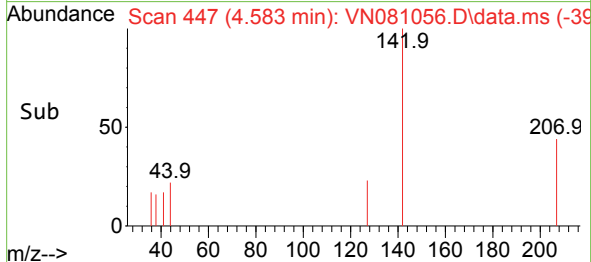
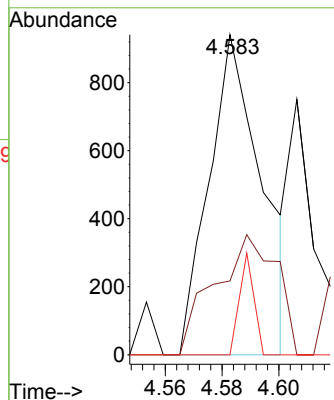
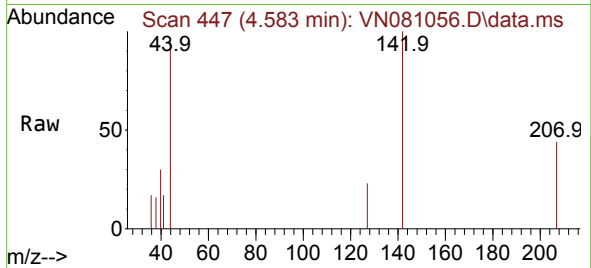




#10
Methyl Iodide
Concen: 0.250 ug/l
RT: 4.583 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

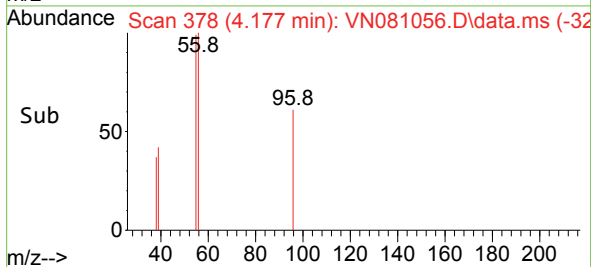
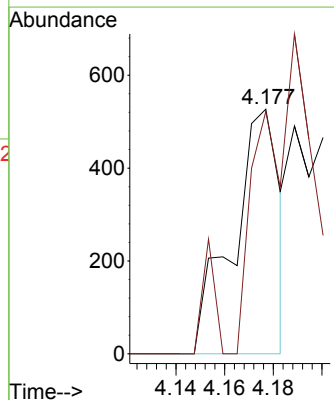
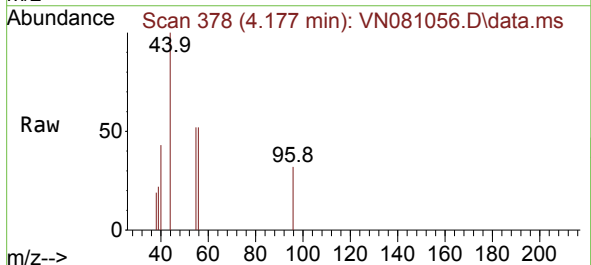
Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

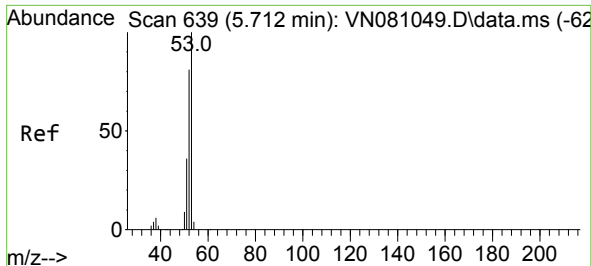
Tgt Ion:142 Resp: 1210
Ion Ratio Lower Upper
142 100
127 23.1 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: 1.562 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Tgt Ion: 56 Resp: 698
Ion Ratio Lower Upper
56 100
55 167.6 55.3 82.9#





#15

Acrylonitrile

Concen: 0.632 ug/l

RT: 5.724 min Scan# 641

Delta R.T. 0.012 min

Lab File: VN081056.D

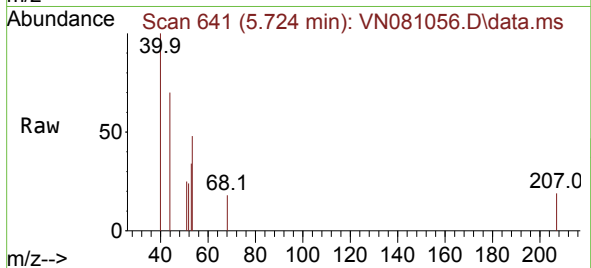
Acq: 16 Feb 2024 16:31

Instrument :

MSVOA_N

ClientSampleId :

VN0216WBL01



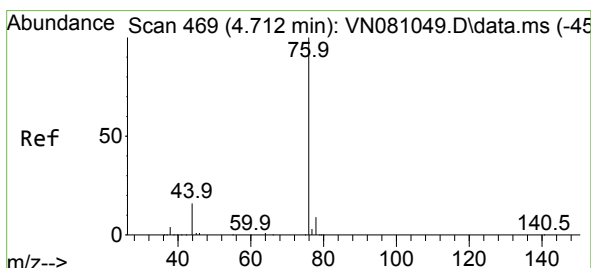
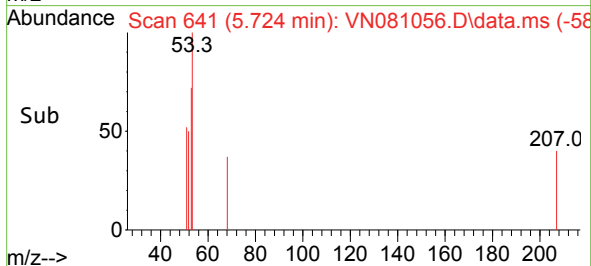
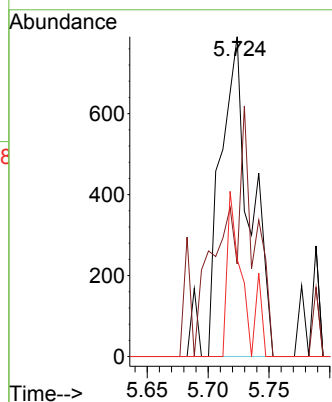
Tgt Ion: 53 Resp: 1377

Ion Ratio Lower Upper

53 100

52 77.6 64.8 97.2

51 21.3 26.9 40.3#



#17

Carbon Disulfide

Concen: 0.494 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN081056.D

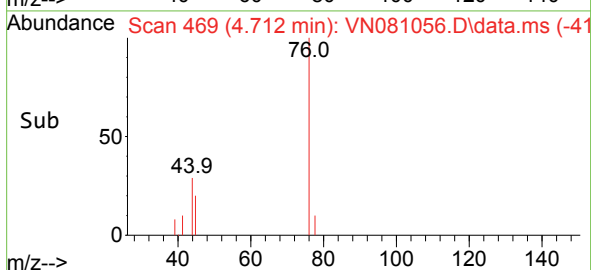
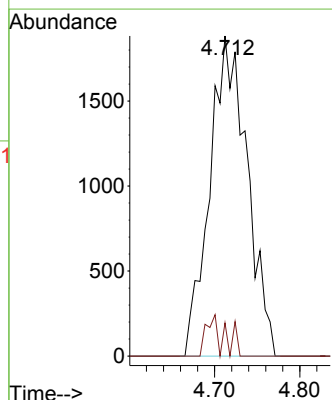
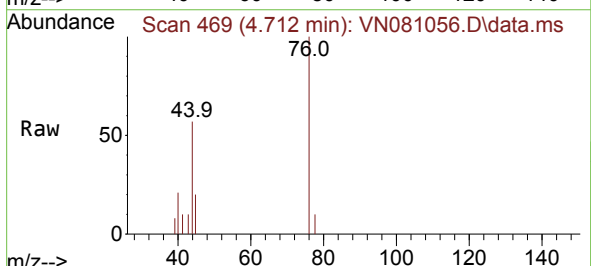
Acq: 16 Feb 2024 16:31

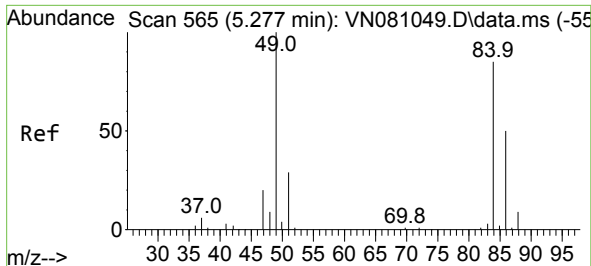
Tgt Ion: 76 Resp: 5760

Ion Ratio Lower Upper

76 100

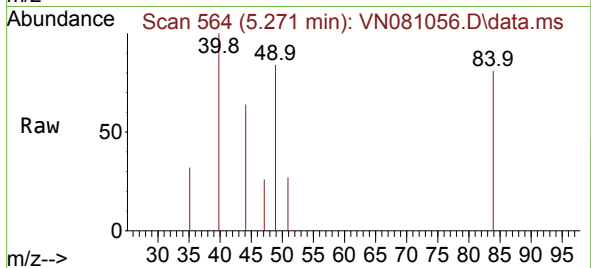
78 10.4 6.3 9.5#



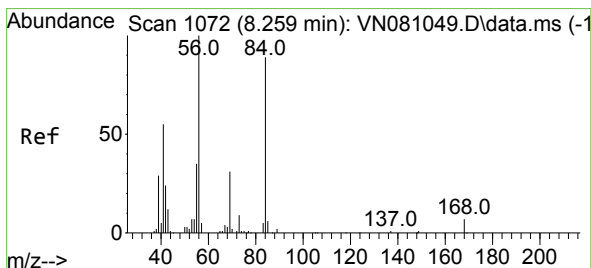
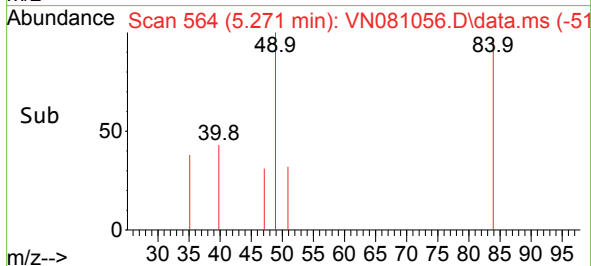
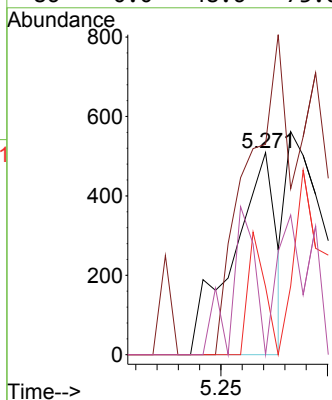


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

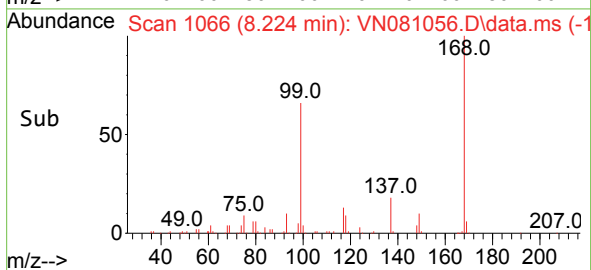
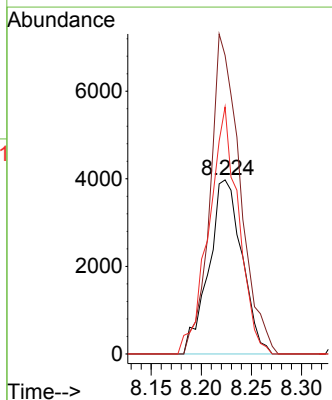
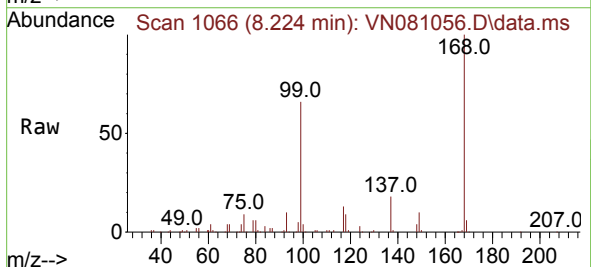


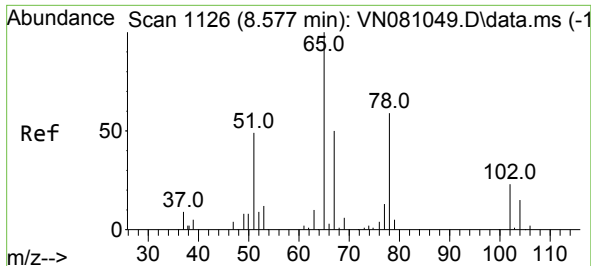
Tgt Ion:	84	Resp:	716
Ion	Ratio	Lower	Upper
84	100		
49	104.1	108.1	162.1#
51	33.6	32.9	49.3
86	0.0	48.6	73.0#



#31
Cyclohexane
Concen: 1.166 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Tgt Ion:	56	Resp:	9130
Ion	Ratio	Lower	Upper
56	100		
69	171.5	20.1	30.1#
84	141.9	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.251 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081056.D

Acq: 16 Feb 2024 16:31

Instrument :

MSVOA_N

ClientSampleId :

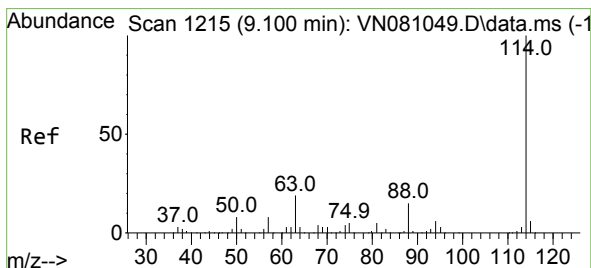
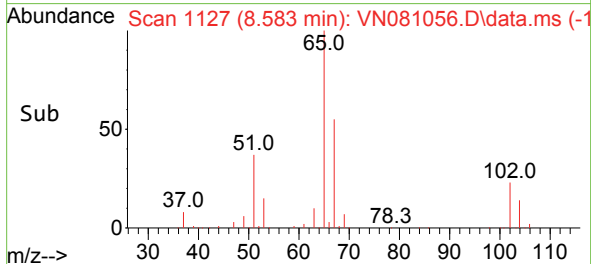
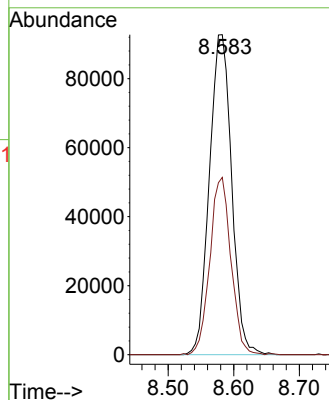
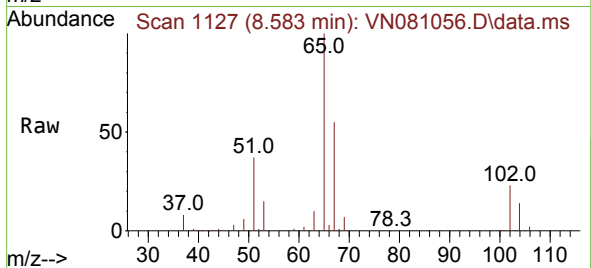
VN0216WBL01

Tgt Ion: 65 Resp: 218778

Ion Ratio Lower Upper

65 100

67 52.4 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: VN081056.D

Acq: 16 Feb 2024 16:31

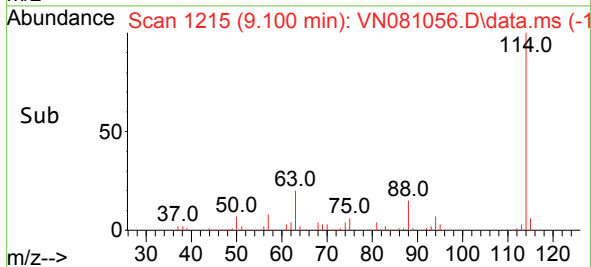
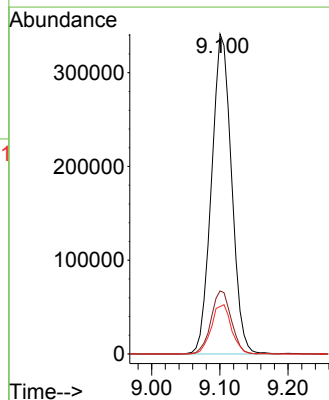
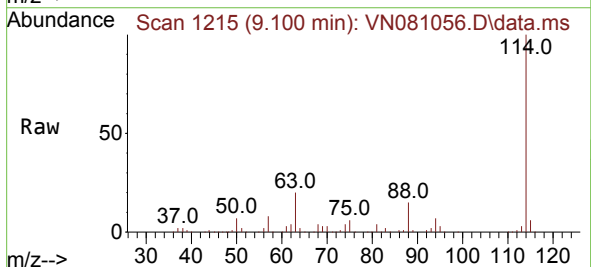
Tgt Ion: 114 Resp: 698433

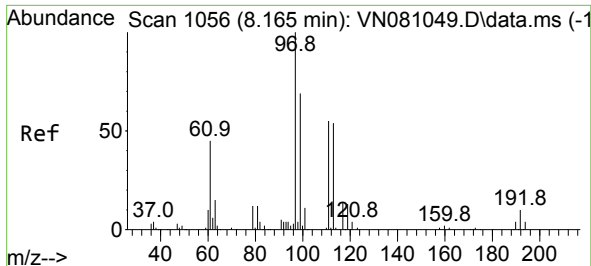
Ion Ratio Lower Upper

114 100

63 19.7 0.0 48.0

88 14.8 0.0 34.8

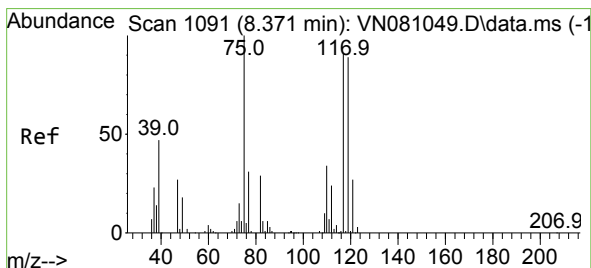
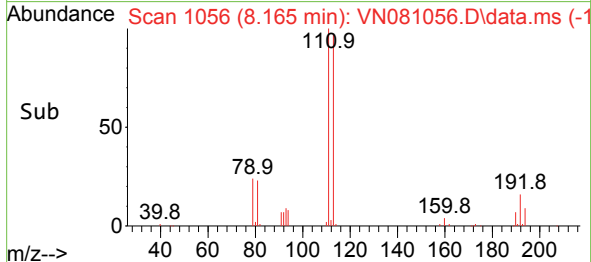
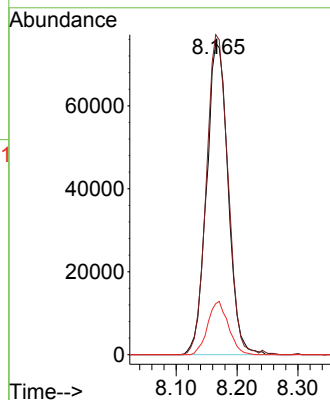
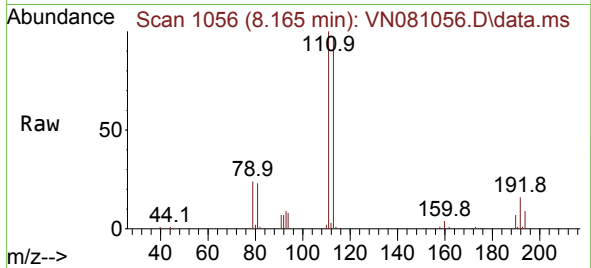




#35
Dibromofluoromethane
Concen: 46.813 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

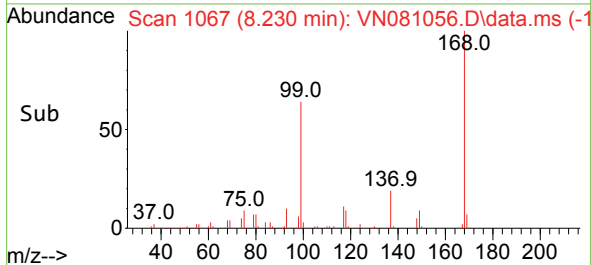
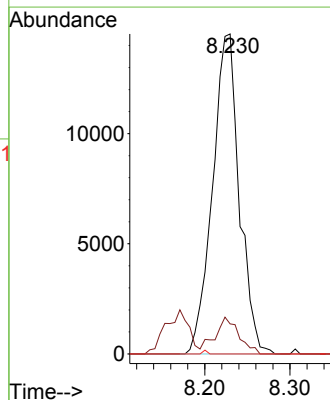
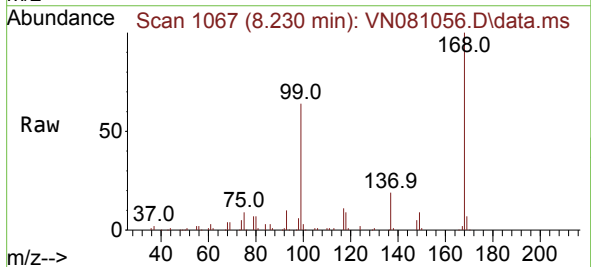
Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

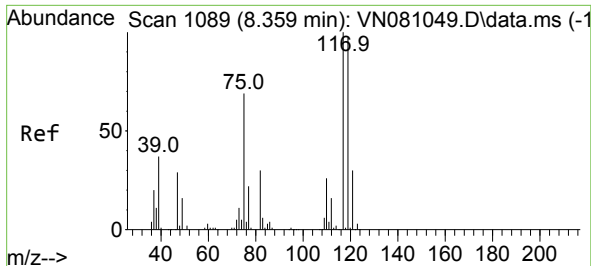
Tgt Ion:113 Resp: 184884
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 16.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.691 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

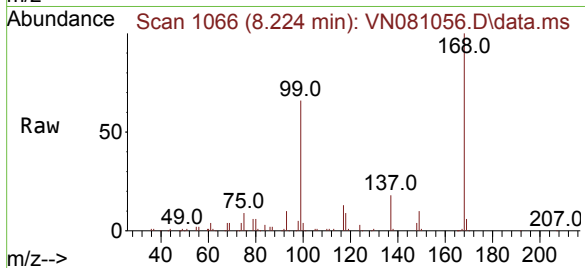
Tgt Ion: 75 Resp: 31737
Ion Ratio Lower Upper
75 100
110 10.3 16.0 48.0#
77 0.0 25.8 38.6#



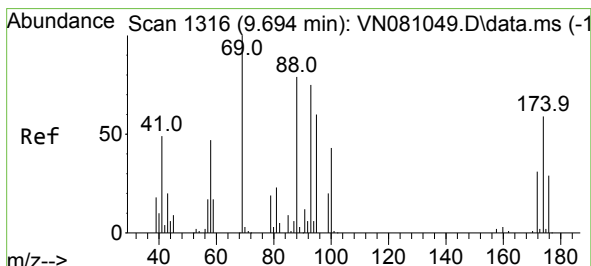
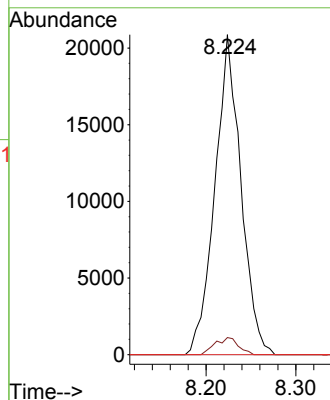
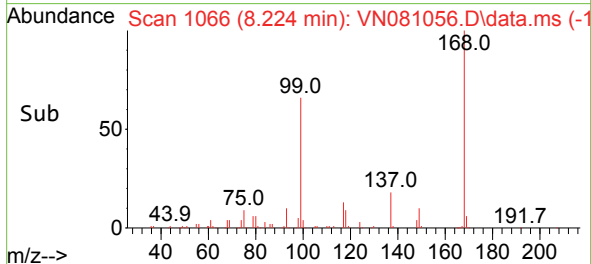


#38
Carbon Tetrachloride
Concen: 6.135 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

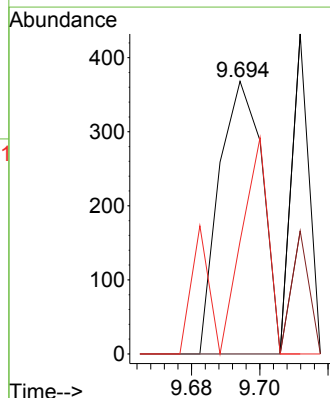
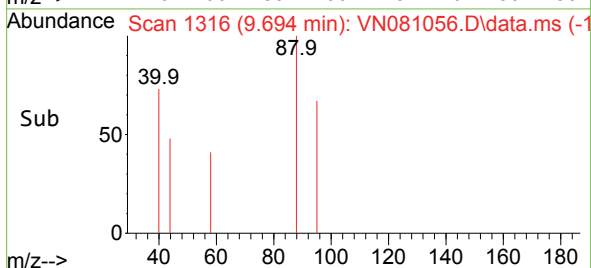
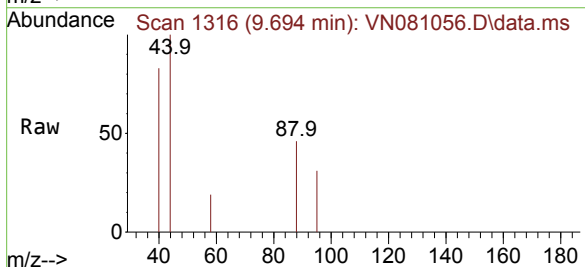


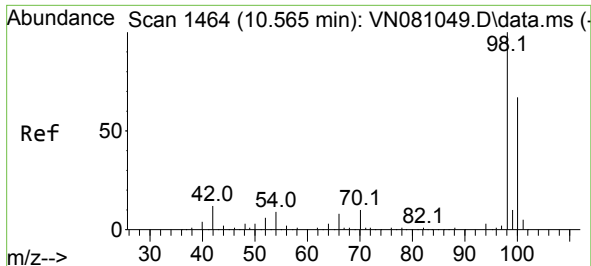
Tgt Ion:117 Resp: 41995
Ion Ratio Lower Upper
117 100
119 5.3 73.4 110.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Tgt Ion: 88 Resp: 323
Ion Ratio Lower Upper
88 100
43 18.3 30.1 45.1#
58 67.5 63.9 95.9

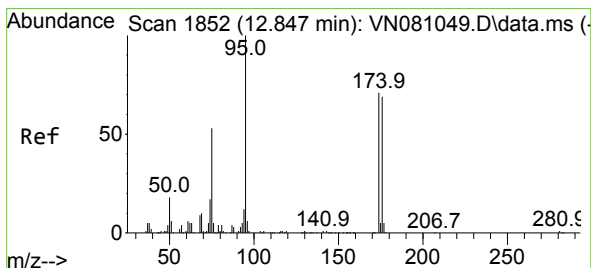
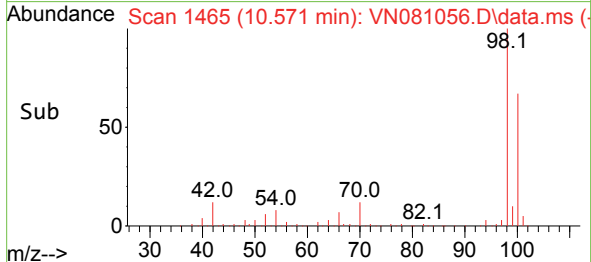
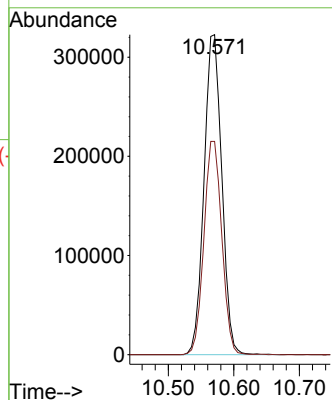
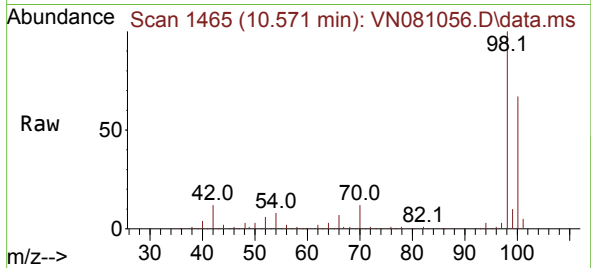




#50
Toluene-d8
Concen: 43.364 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

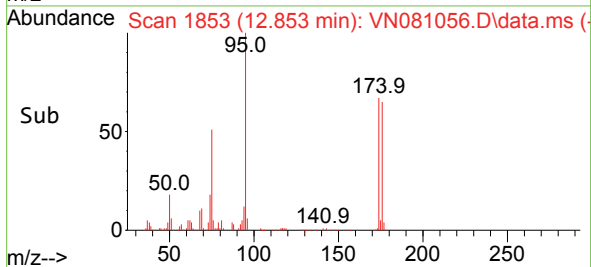
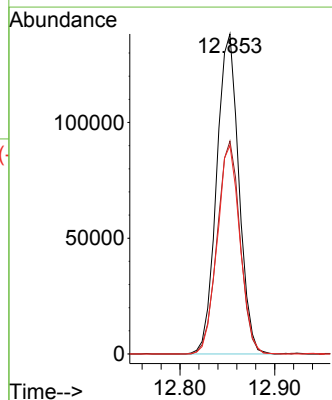
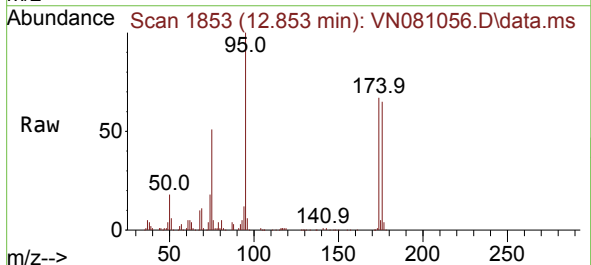
Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

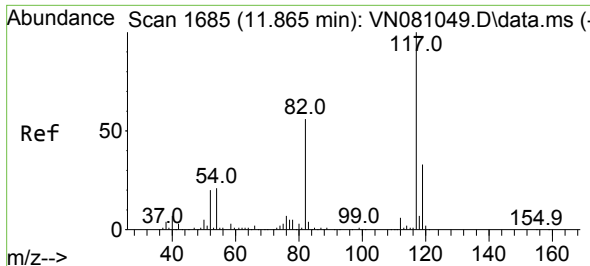
Tgt Ion: 98 Resp: 608274
Ion Ratio Lower Upper
98 100
100 67.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.793 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Tgt Ion: 95 Resp: 225551
Ion Ratio Lower Upper
95 100
174 68.2 0.0 120.4
176 66.7 0.0 121.0

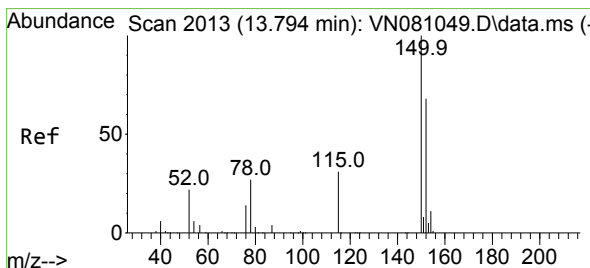
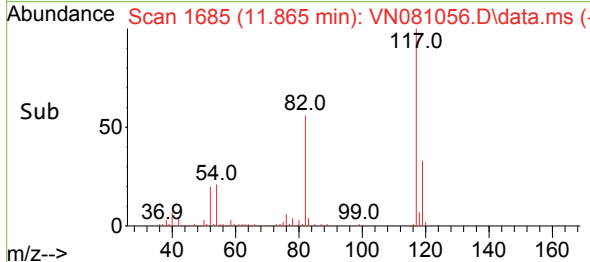
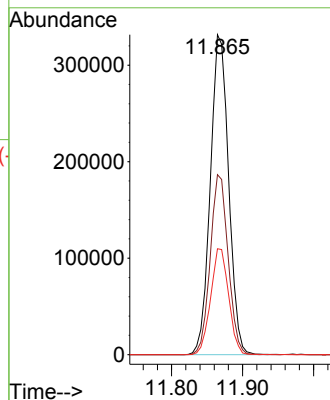
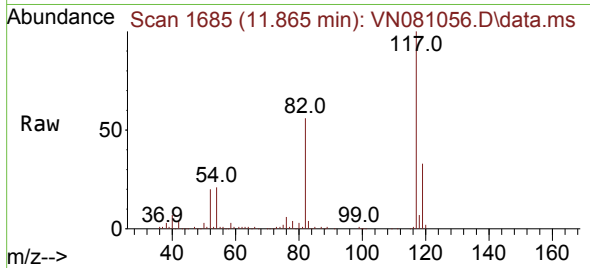




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

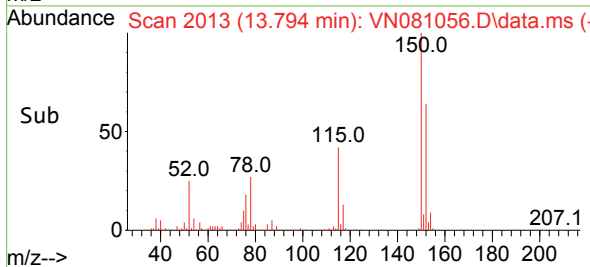
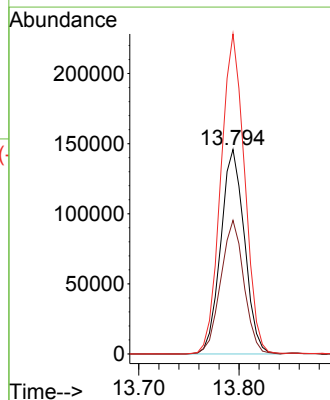
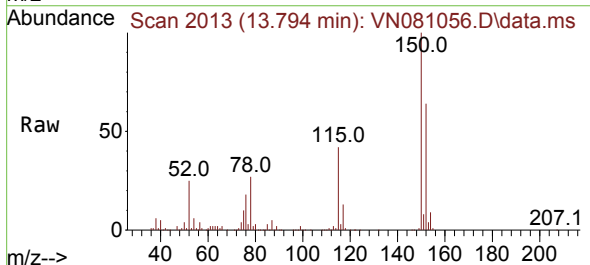
Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

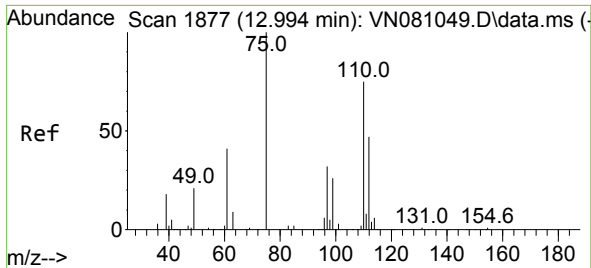
Tgt Ion:117 Resp: 592458
Ion Ratio Lower Upper
117 100
82 56.2 52.7 79.1
119 33.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Tgt Ion:152 Resp: 239435
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 157.2 0.0 339.8

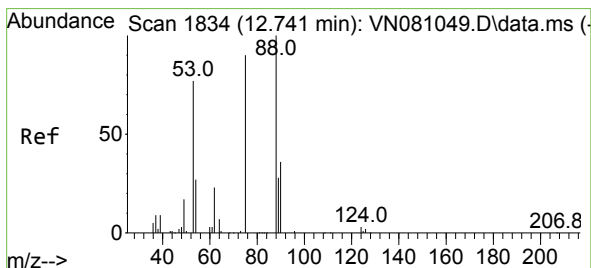
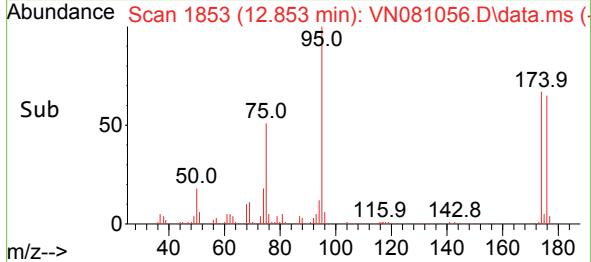
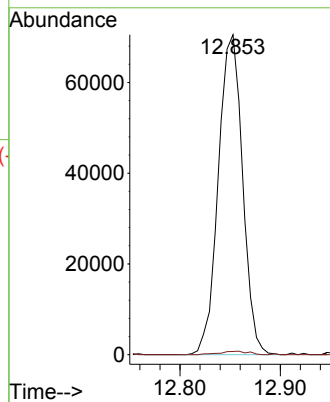
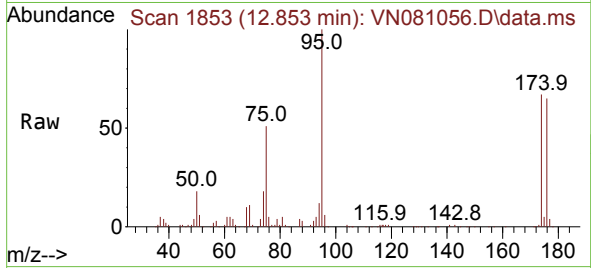




#76
1,2,3-Trichloropropane
Concen: 21.783 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

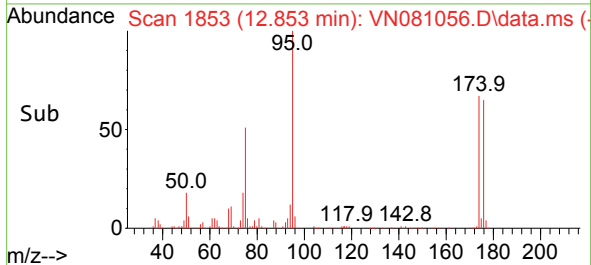
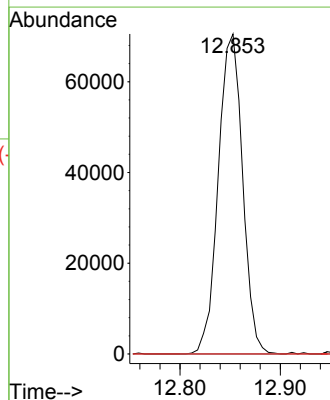
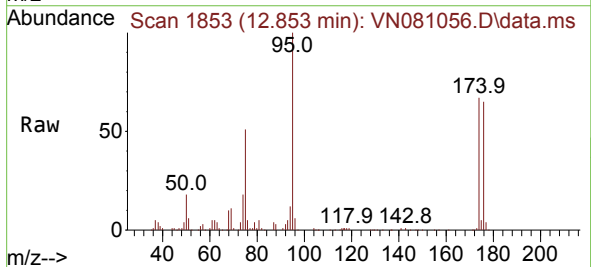
Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

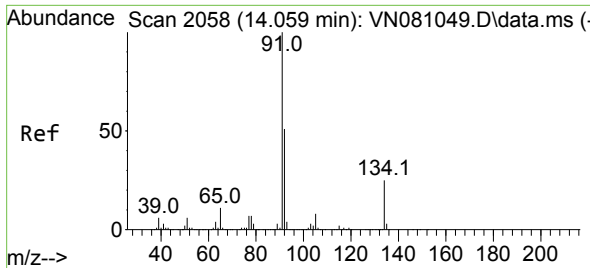
Tgt Ion: 75 Resp: 118505
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.069 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Tgt Ion: 75 Resp: 118505
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

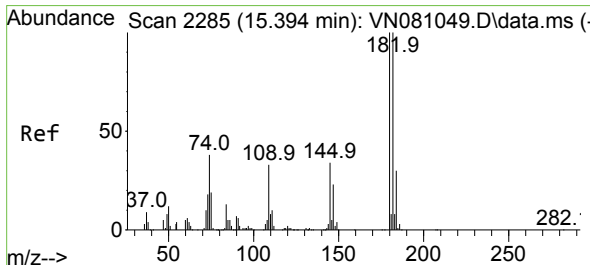
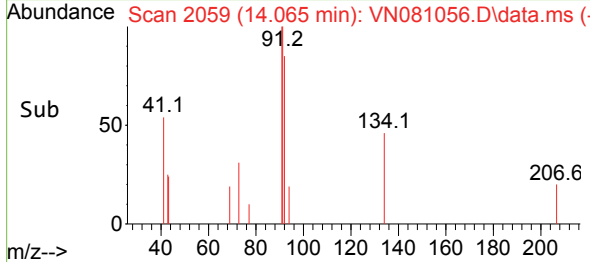
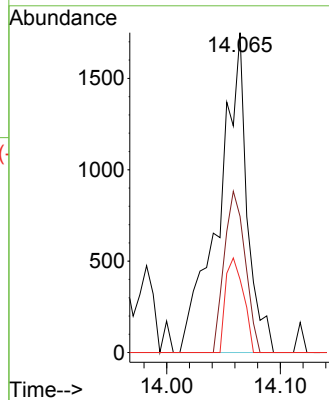
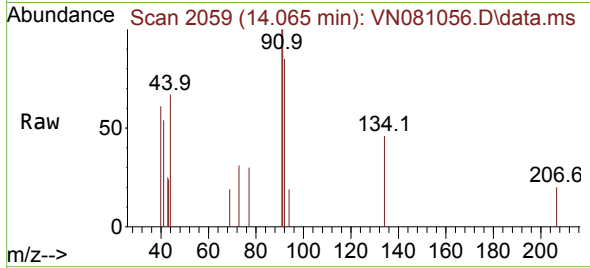




#89
n-Butylbenzene
Concen: 0.204 ug/l
RT: 14.065 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

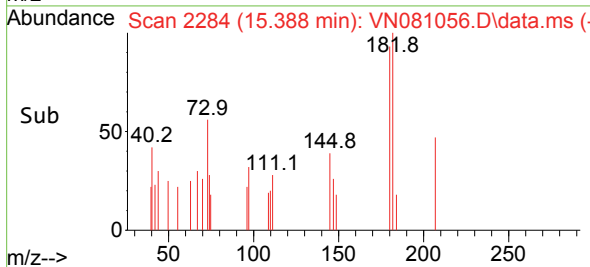
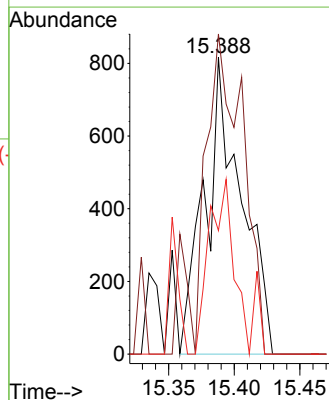
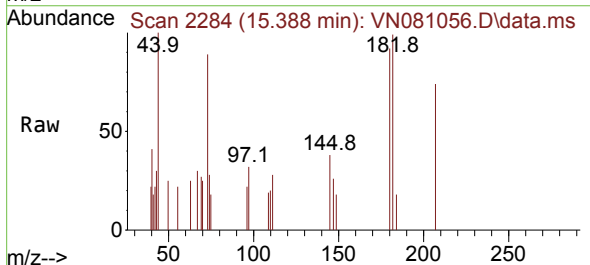
Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

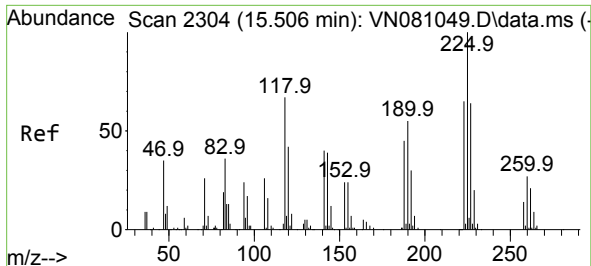
Tgt Ion:	91	Resp:	3021
Ion	Ratio	Lower	Upper
91	100		
92	37.5	26.7	80.1
134	18.7	10.8	32.4



#93
1,2,4-Trichlorobenzene
Concen: 0.331 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

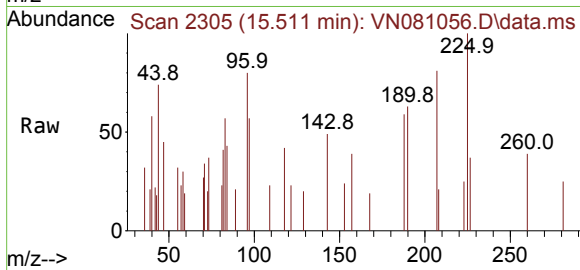
Tgt Ion:	180	Resp:	1573
Ion	Ratio	Lower	Upper
180	100		
182	119.4	46.6	139.7
145	40.0	16.8	50.3



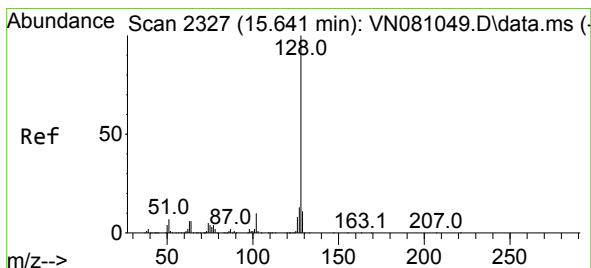
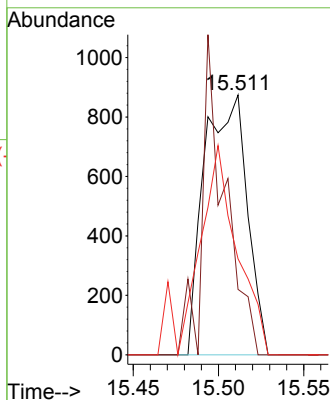
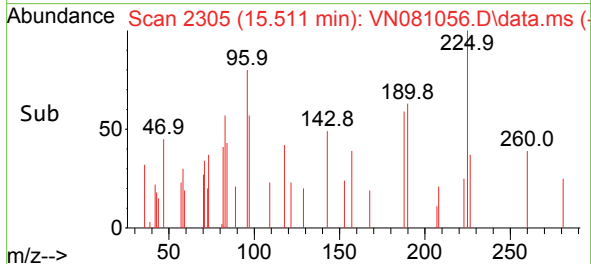


#94
Hexachlorobutadiene
Concen: 0.861 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0216WBL01

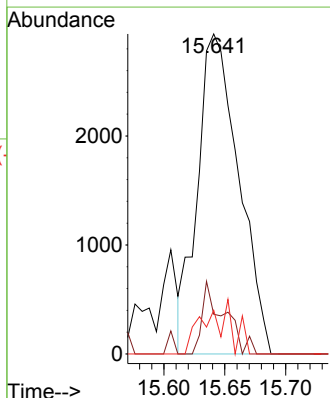
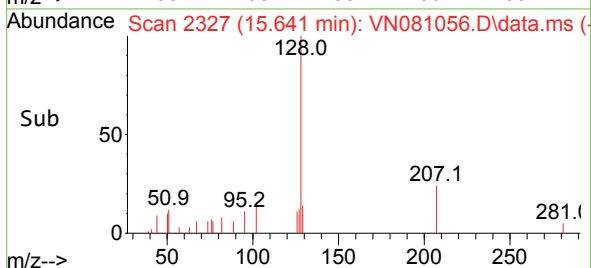
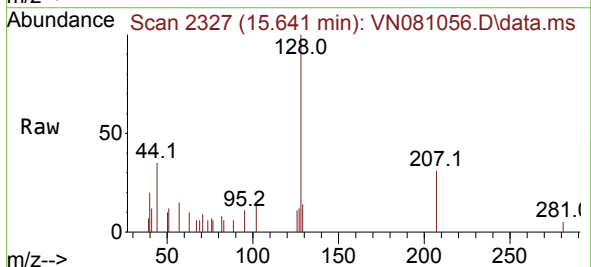


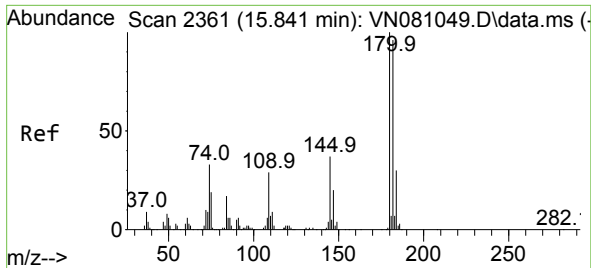
Tgt Ion:225 Resp: 1525
Ion Ratio Lower Upper
225 100
223 65.8 33.3 99.8
227 73.6 33.1 99.2



#95
Naphthalene
Concen: 0.399 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN081056.D
Acq: 16 Feb 2024 16:31

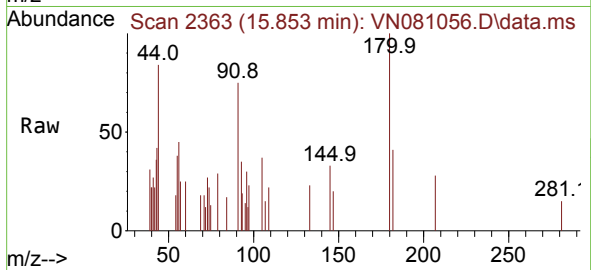
Tgt Ion:128 Resp: 6942
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 4.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.424 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN081056.D
 Acq: 16 Feb 2024 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0216WBL01



Tgt Ion:	180	Resp:	1996
Ion	Ratio	Lower	Upper
180	100		
182	66.6	46.5	139.3
145	34.8	17.8	53.4

