

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020224\
 Data File : VN080873.D
 Acq On : 02 Feb 2024 14:54
 Operator : JC\MD
 Sample : VN0202MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0202MBL01

Quant Time: Feb 02 23:50:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

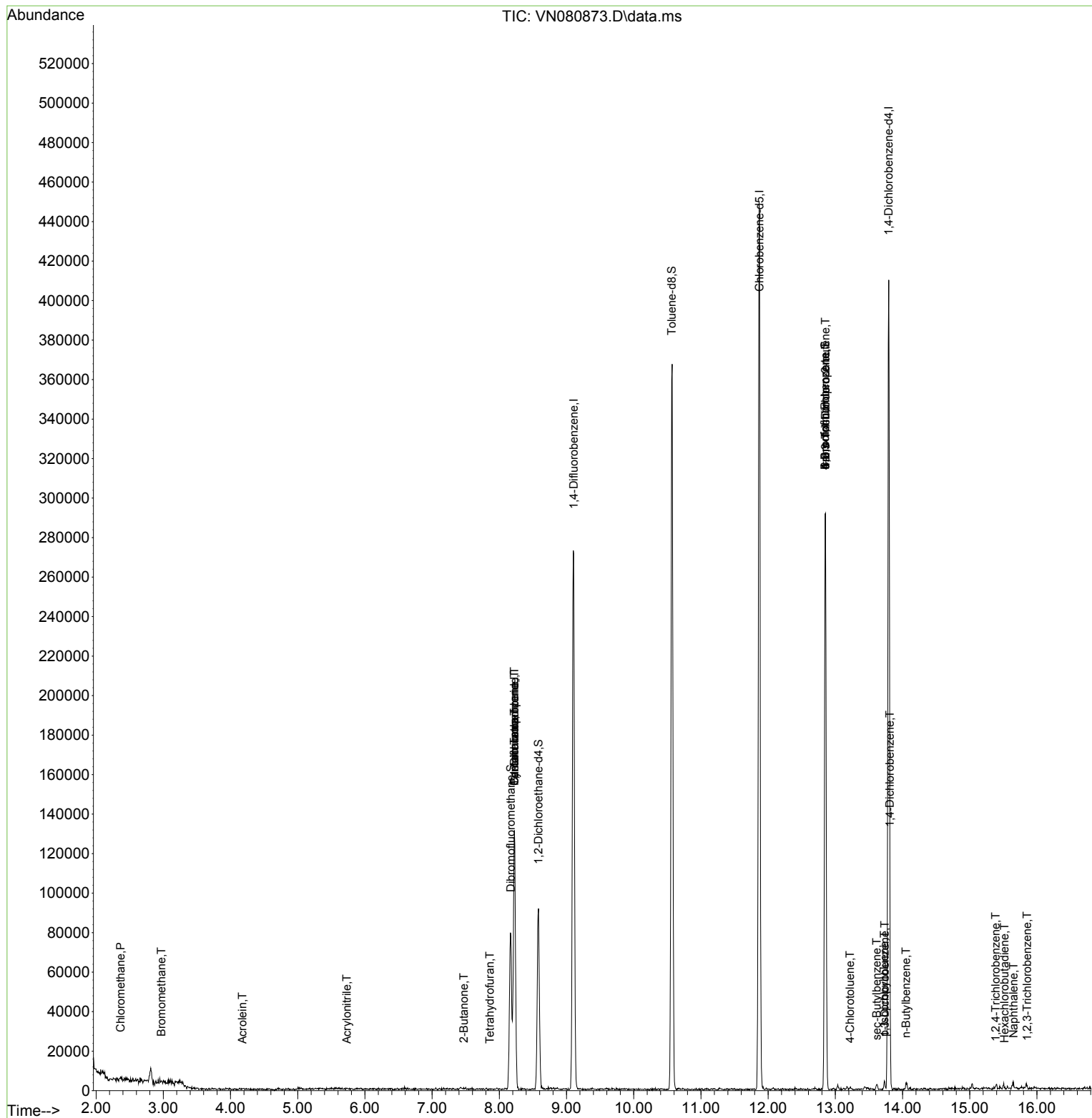
Internal Standards						
1) Pentafluorobenzene	8.224	168	78935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	203791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	212649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	70760	51.818	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.640%			
35) Dibromofluoromethane	8.171	113	53887	43.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 86.440%			
50) Toluene-d8	10.565	98	227341	46.587	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.180%			
62) 4-Bromofluorobenzene	12.847	95	95841	56.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.720%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1420	0.806	ug/l	89
5) Bromomethane	2.971	94	351	0.655	ug/l #	6
13) Acrolein	4.177	56	63	0.224	ug/l #	1
15) Acrylonitrile	5.730	53	295	0.441	ug/l #	41
25) 2-Butanone	7.471	43	207	0.220	ug/l #	51
29) Tetrahydrofuran	7.859	42	141	0.222	ug/l #	63
31) Cyclohexane	8.224	56	3083	1.317	ug/l #	10
36) 1,1-Dichloropropene	8.224	75	9568	4.129	ug/l #	50
38) Carbon Tetrachloride	8.224	117	8962	4.800	ug/l #	16
71) Bromoform	12.847	173	325	0.318	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	59646	22.473	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59646	57.894	ug/l #	14
82) 4-Chlorotoluene	13.218	91	1216	0.201	ug/l #	65
85) sec-Butylbenzene	13.618	105	2253	0.298	ug/l	92
86) p-Isopropyltoluene	13.729	119	1728	0.294	ug/l #	75
87) 1,3-Dichlorobenzene	13.735	146	783	0.254	ug/l #	38
88) 1,4-Dichlorobenzene	13.812	146	730	0.236	ug/l #	1
89) n-Butylbenzene	14.053	91	2405	0.419	ug/l	85
93) 1,2,4-Trichlorobenzene	15.388	180	905	0.623	ug/l #	79
94) Hexachlorobutadiene	15.517	225	172	0.271	ug/l #	17
95) Naphthalene	15.653	128	2780	0.501	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.853	180	744	0.521	ug/l #	60

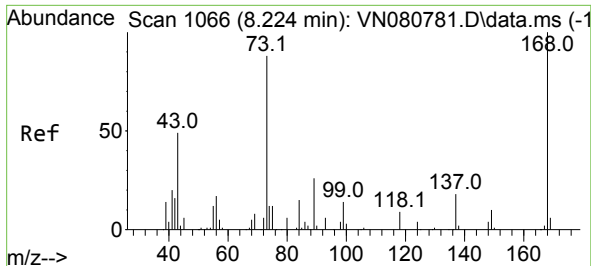
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN080873.D
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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Feb 02 23:50:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration

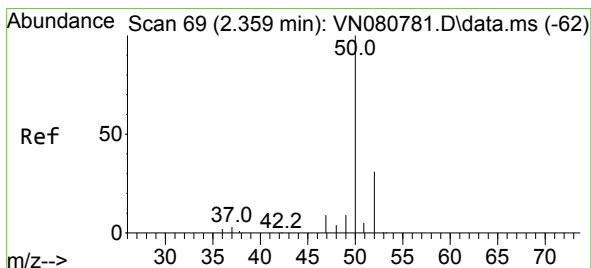
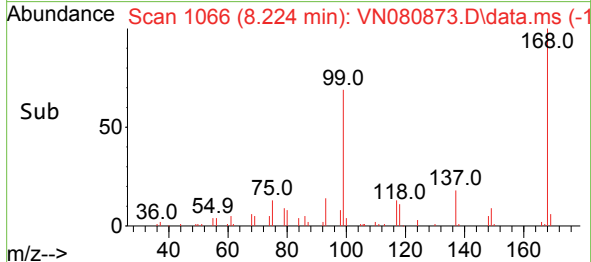
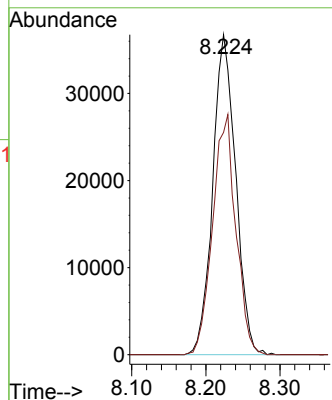
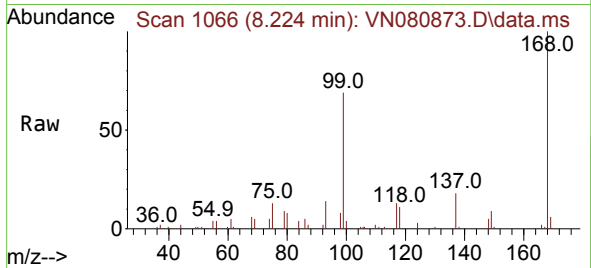




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

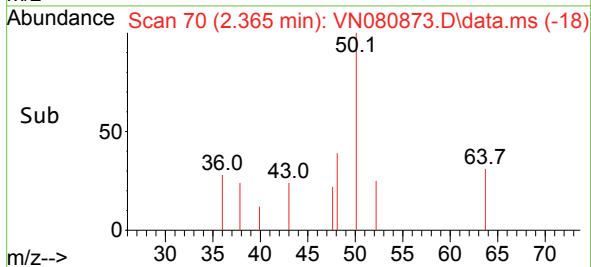
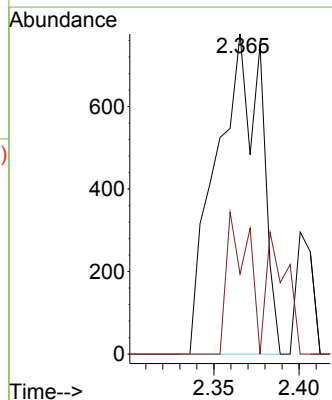
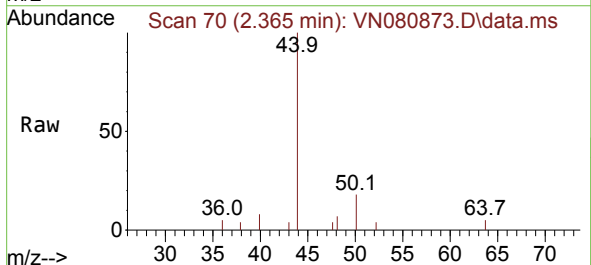
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

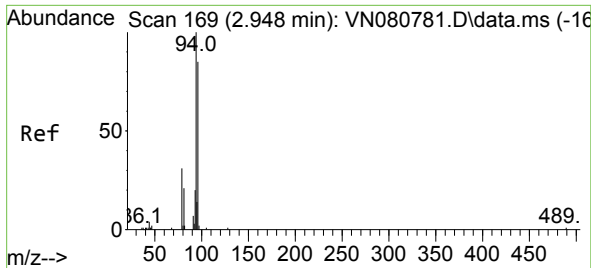
Tgt Ion:168 Resp: 78935
Ion Ratio Lower Upper
168 100
99 69.4 59.9 89.9



#3
Chloromethane
Concen: 0.806 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Tgt Ion: 50 Resp: 1420
Ion Ratio Lower Upper
50 100
52 25.0 25.0 37.4

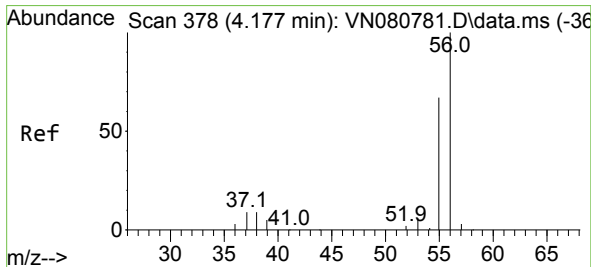
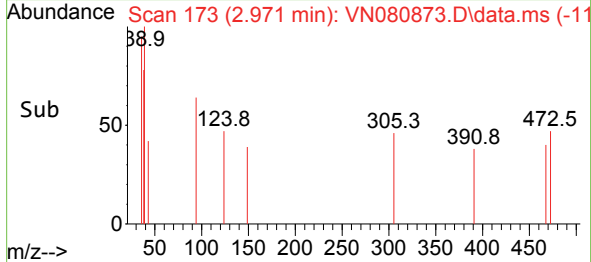
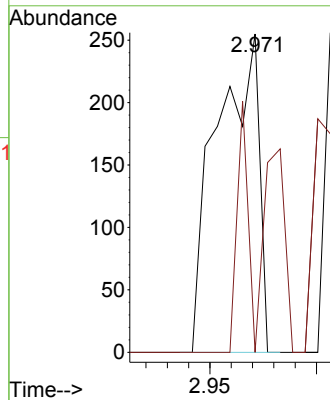
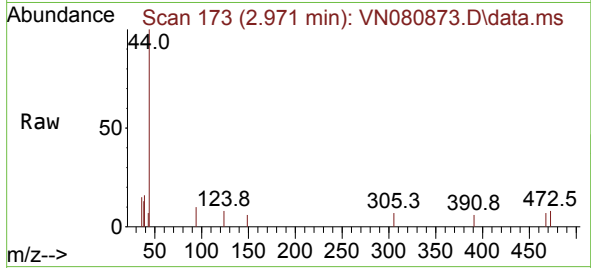




#5
Bromomethane
Concen: 0.655 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

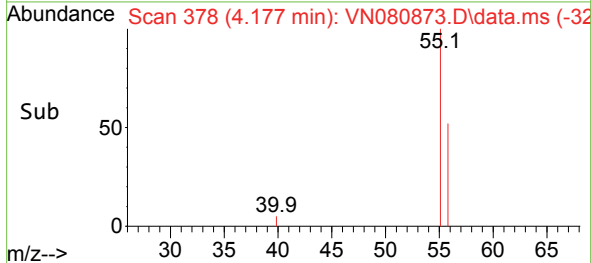
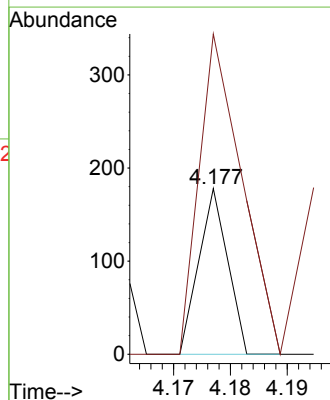
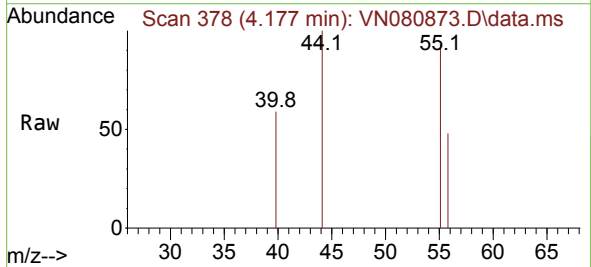
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

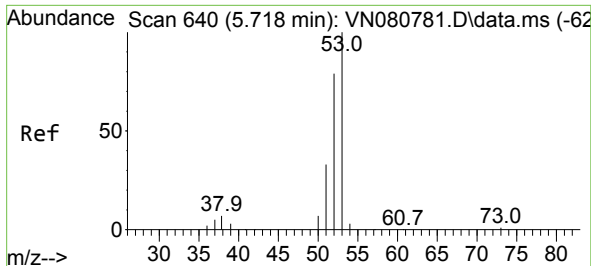
Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#13
Acrolein
Concen: 0.224 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 285.7 55.3 82.9#

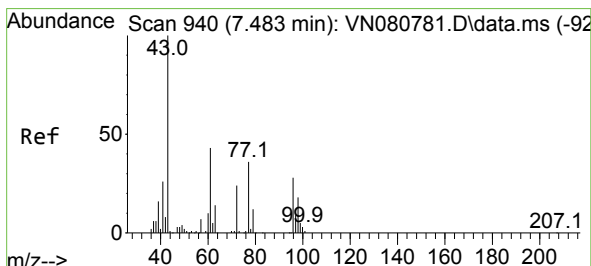
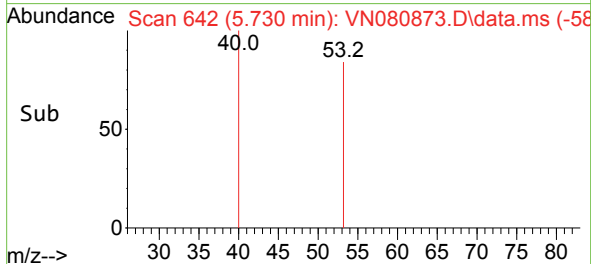
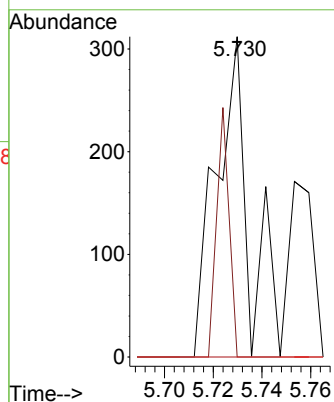
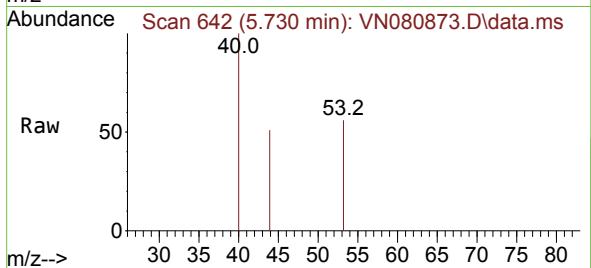




#15
Acrylonitrile
Concen: 0.441 ug/l
RT: 5.730 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

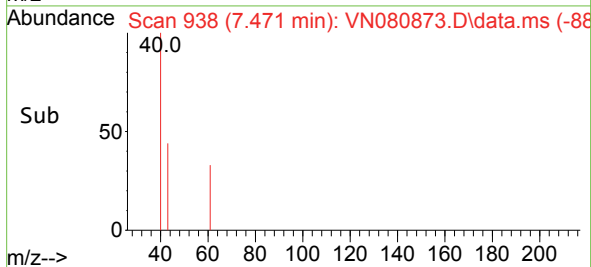
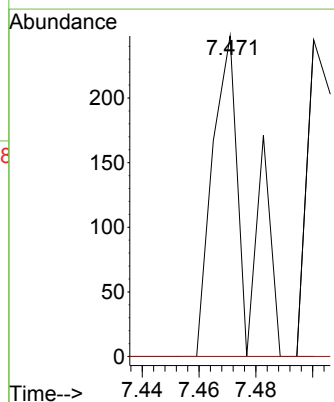
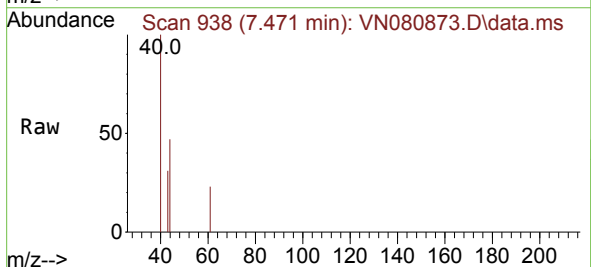
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

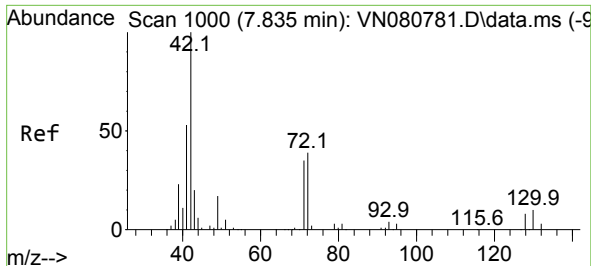
Tgt Ion: 53 Resp: 295
Ion Ratio Lower Upper
53 100
52 29.2 64.8 97.2#
51 0.0 26.9 40.3#



#25
2-Butanone
Concen: 0.220 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.012 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Tgt Ion: 43 Resp: 207
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#





#29

Tetrahydrofuran

Concen: 0.222 ug/l

RT: 7.859 min Scan# 1066

Delta R.T. 0.024 min

Lab File: VN080873.D

Acq: 02 Feb 2024 14:54

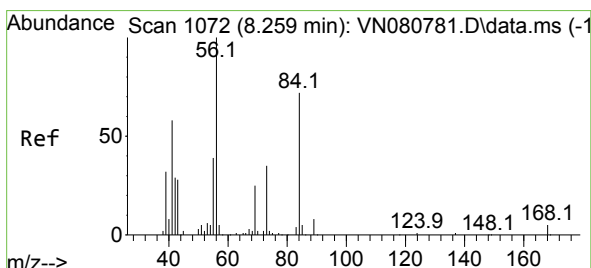
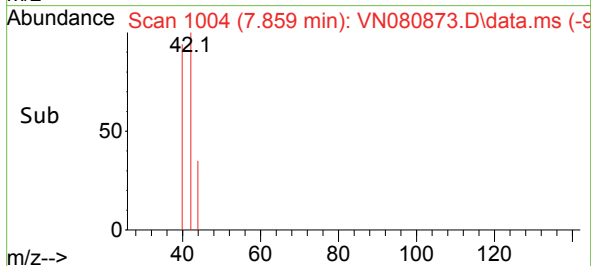
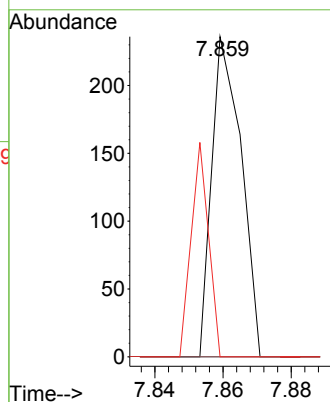
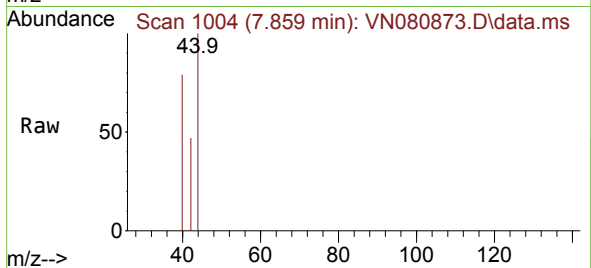
Instrument :

MSVOA_N

ClientSampleId :

VN0202MBL01

Tgt Ion:	42	Resp:	141
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.1	46.7#
71	39.7	28.3	42.5



#31

Cyclohexane

Concen: 1.317 ug/l

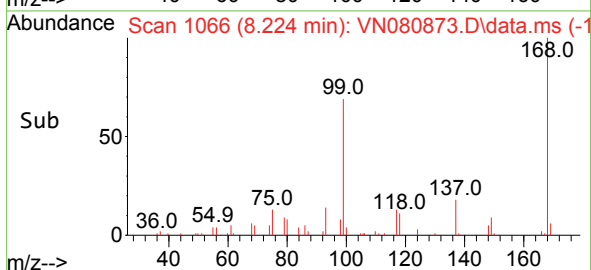
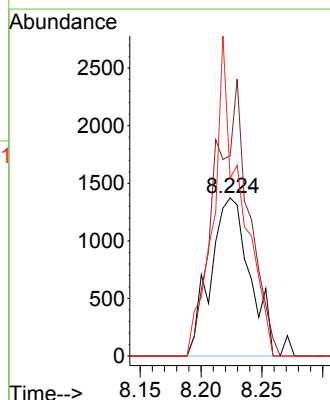
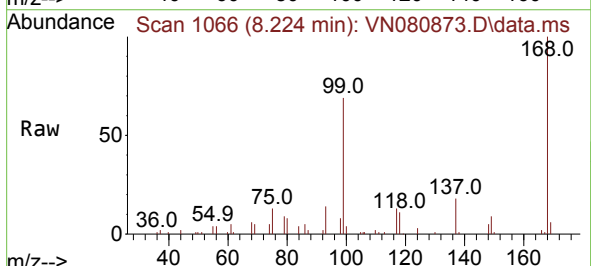
RT: 8.224 min Scan# 1066

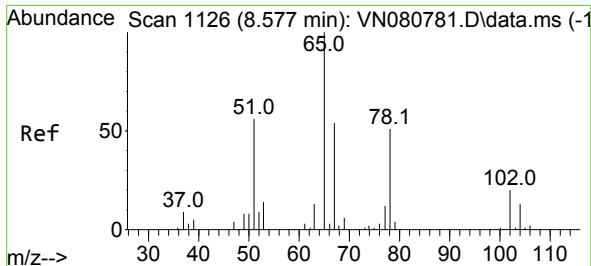
Delta R.T. -0.035 min

Lab File: VN080873.D

Acq: 02 Feb 2024 14:54

Tgt Ion:	56	Resp:	3083
Ion	Ratio	Lower	Upper
56	100		
69	126.6	20.1	30.1#
84	112.4	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 51.818 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080873.D

Acq: 02 Feb 2024 14:54

Instrument :

MSVOA_N

ClientSampleId :

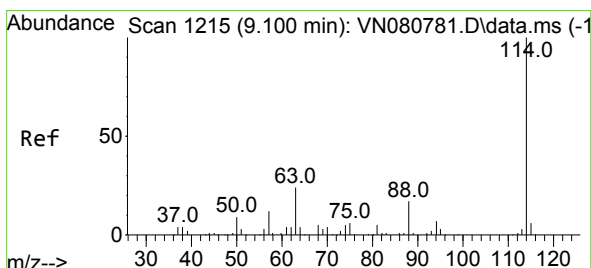
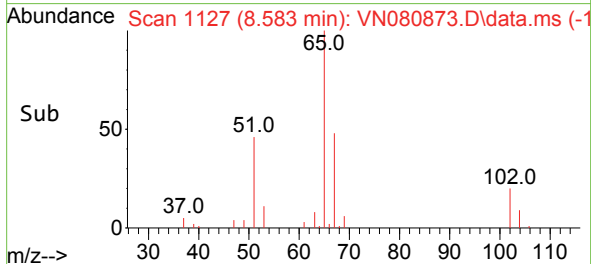
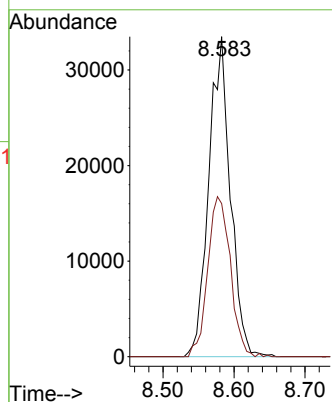
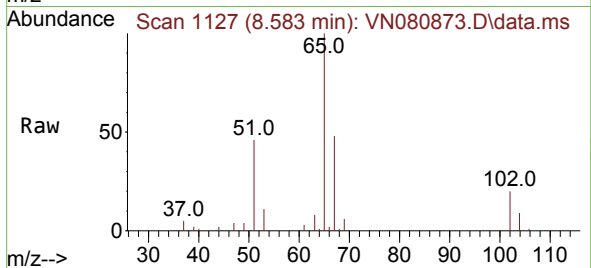
VN0202MBL01

Tgt Ion: 65 Resp: 70760

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080873.D

Acq: 02 Feb 2024 14:54

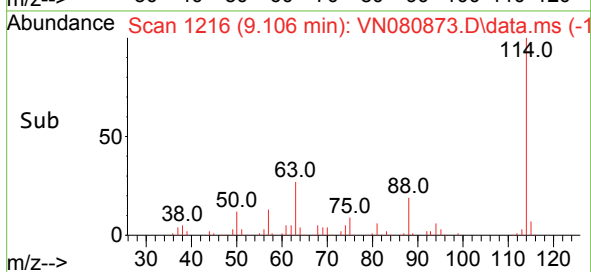
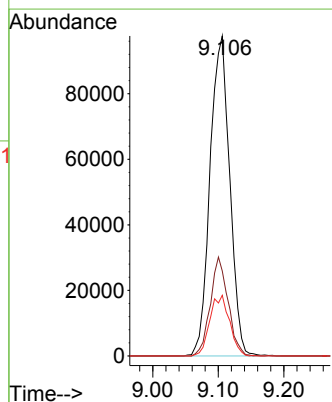
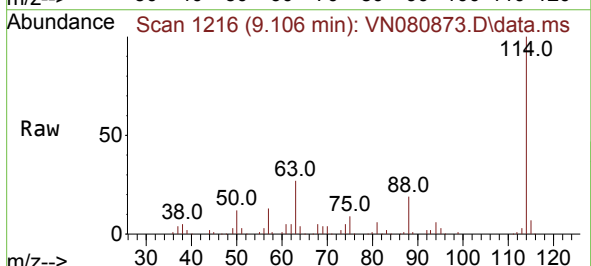
Tgt Ion: 114 Resp: 203791

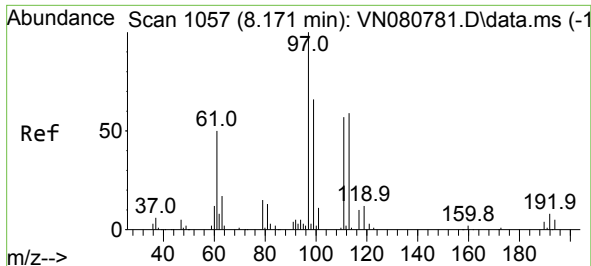
Ion Ratio Lower Upper

114 100

63 26.6 0.0 48.0

88 19.0 0.0 34.8

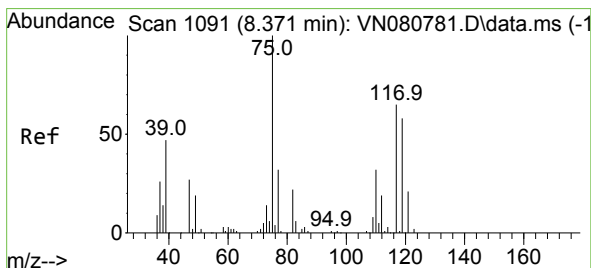
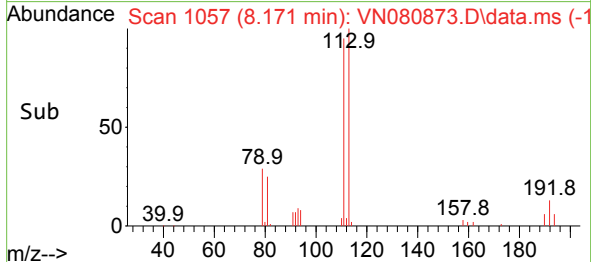
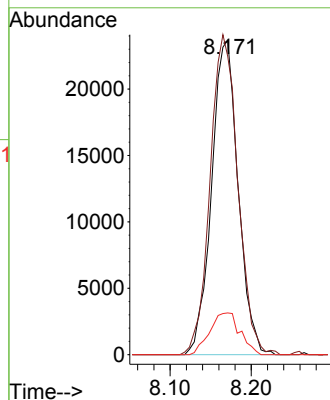
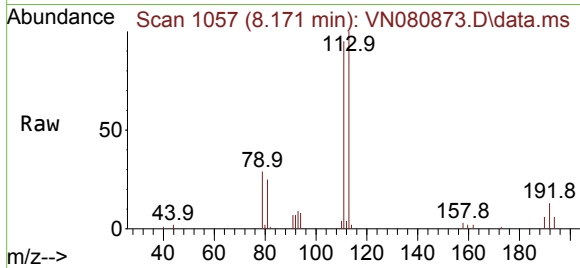




#35
Dibromofluoromethane
Concen: 43.220 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

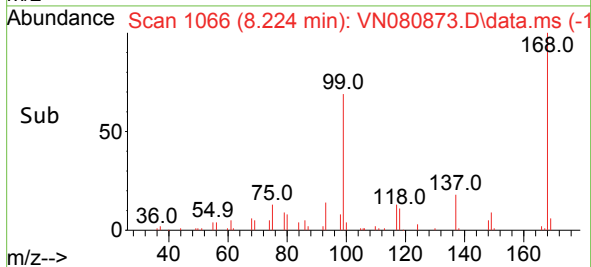
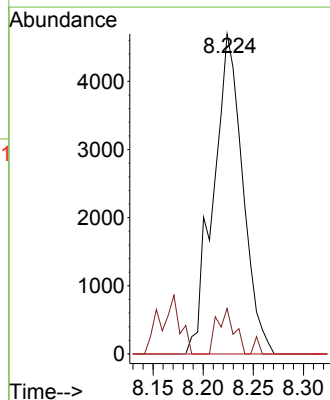
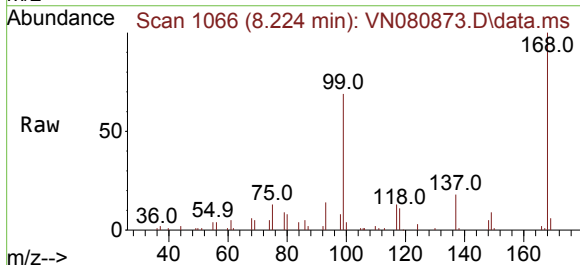
Instrument :
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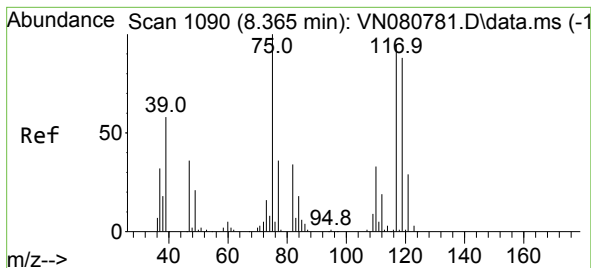
Tgt Ion:113 Resp: 53887
Ion Ratio Lower Upper
113 100
111 106.0 82.2 123.4
192 15.2 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.129 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Tgt Ion: 75 Resp: 9568
Ion Ratio Lower Upper
75 100
110 8.4 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 4.800 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080873.D

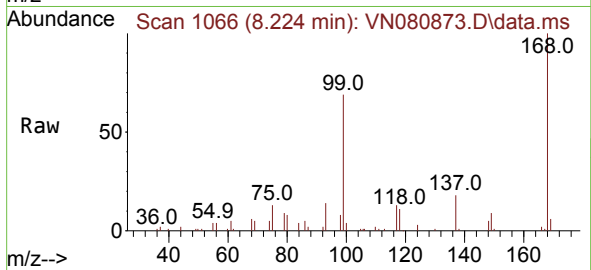
Acq: 02 Feb 2024 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0202MBL01



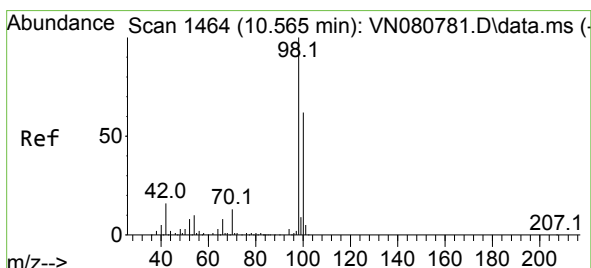
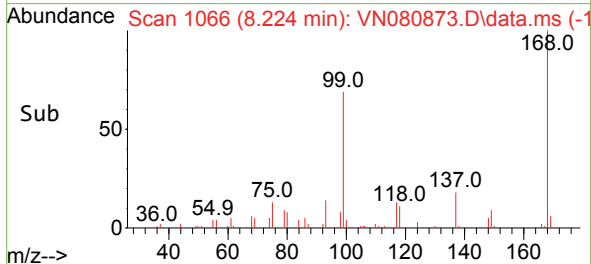
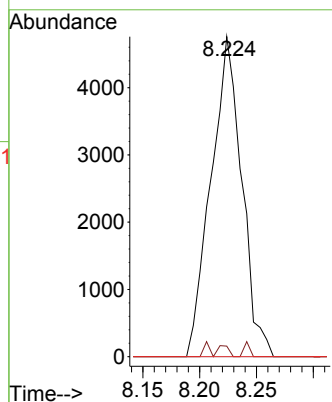
Tgt Ion:117 Resp: 8962

Ion Ratio Lower Upper

117 100

119 3.3 73.4 110.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 46.587 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080873.D

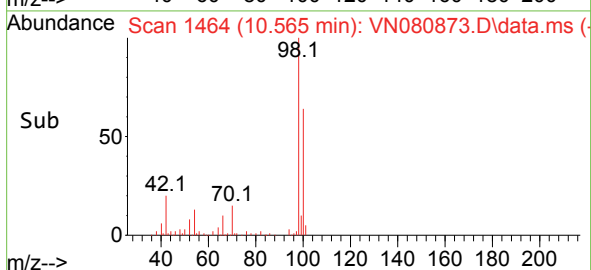
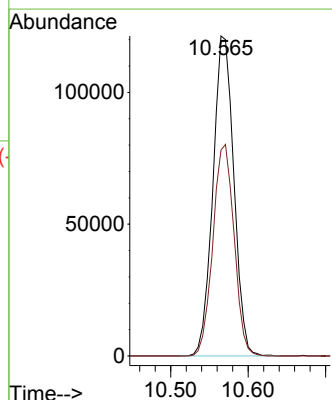
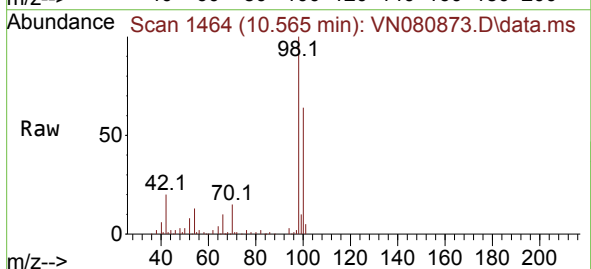
Acq: 02 Feb 2024 14:54

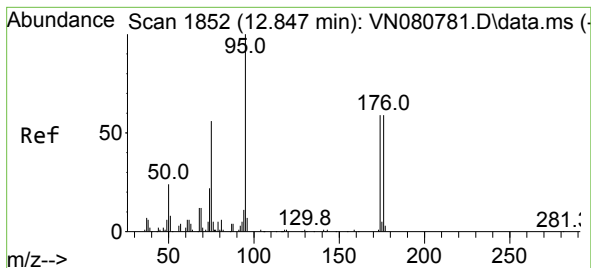
Tgt Ion: 98 Resp: 227341

Ion Ratio Lower Upper

98 100

100 66.9 51.4 77.0

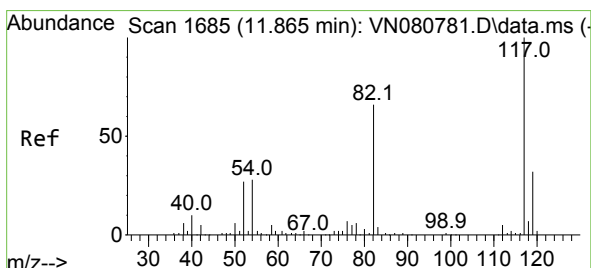
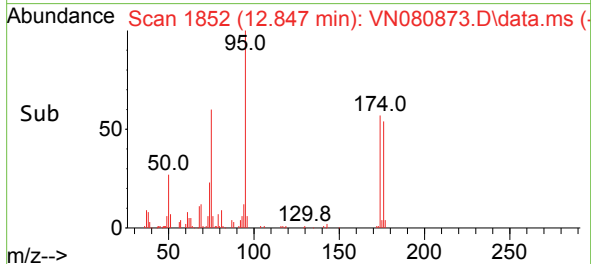
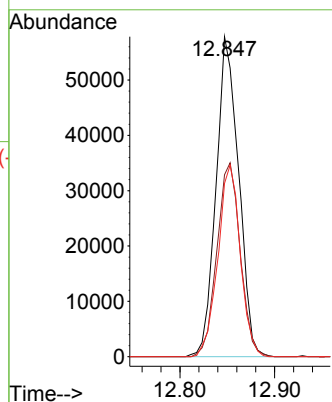
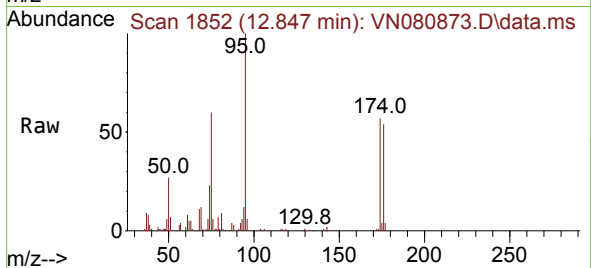




#62
4-Bromofluorobenzene
Concen: 56.360 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

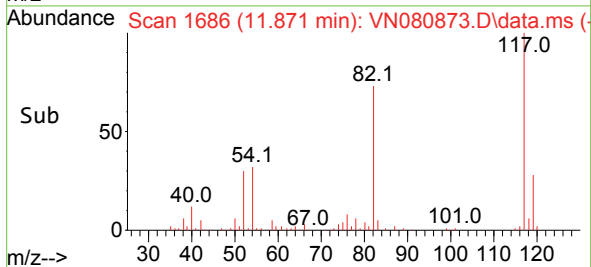
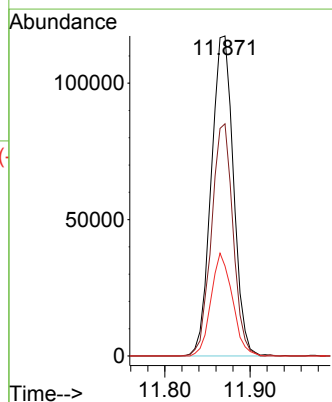
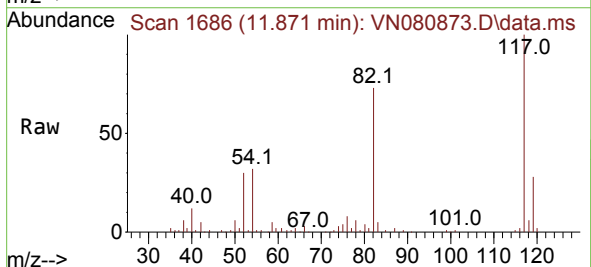
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

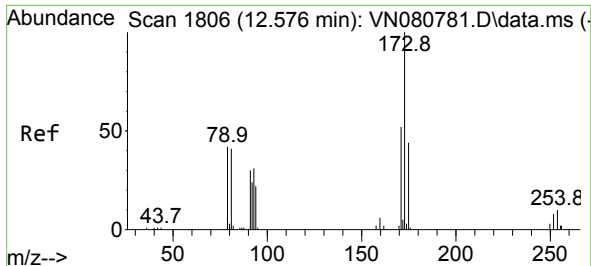
Tgt Ion: 95 Resp: 95841
Ion Ratio Lower Upper
95 100
174 62.3 0.0 120.4
176 59.2 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Tgt Ion: 117 Resp: 212649
Ion Ratio Lower Upper
117 100
82 72.6 52.7 79.1
119 28.1 25.3 37.9

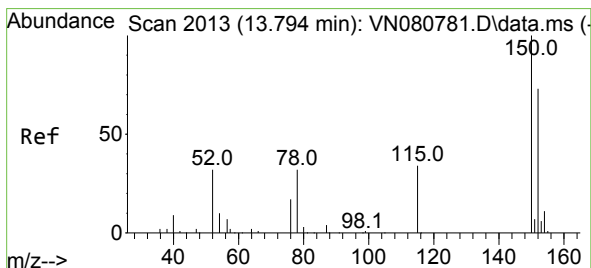
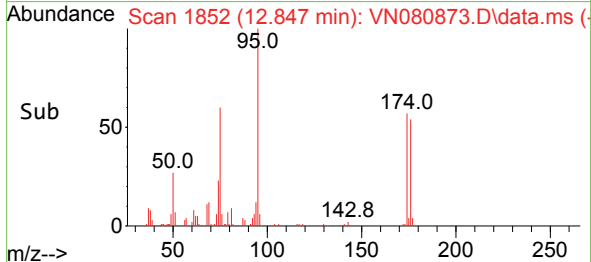
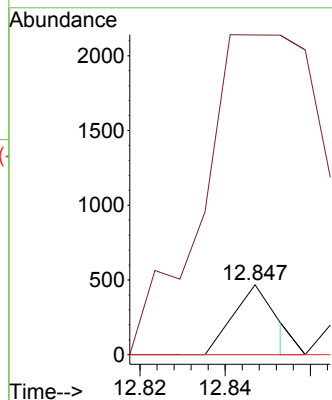
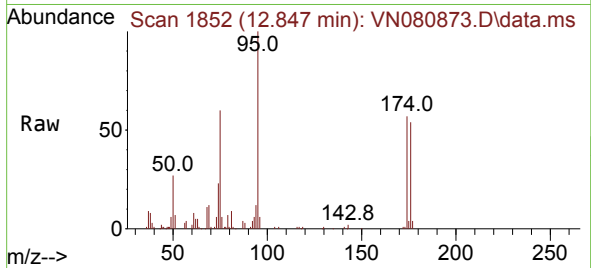




#71
Bromoform
Concen: 0.318 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

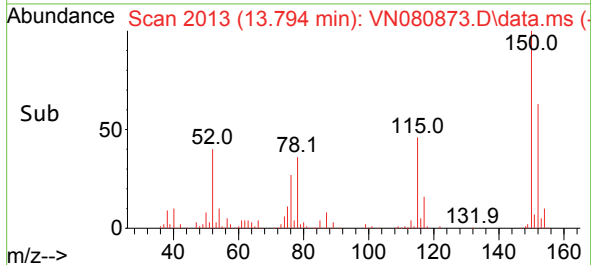
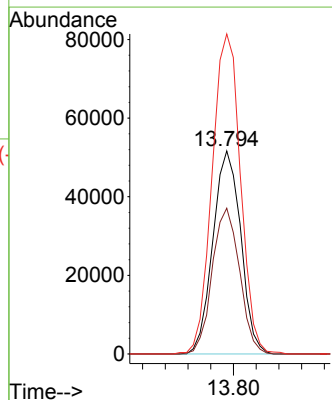
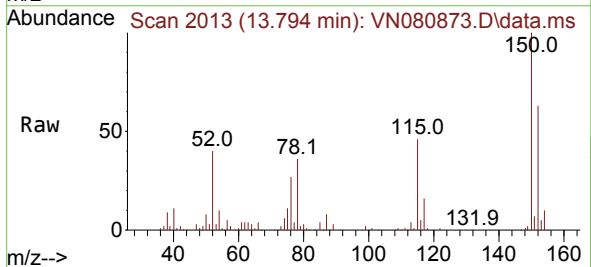
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

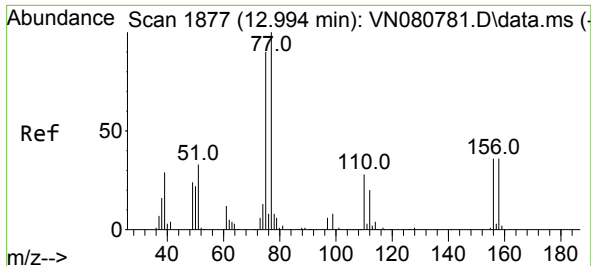
Tgt Ion:173 Resp: 325
Ion Ratio Lower Upper
173 100
175 916.9 23.1 69.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Tgt Ion:152 Resp: 88002
Ion Ratio Lower Upper
152 100
115 70.4 32.3 96.8
150 160.5 0.0 339.8

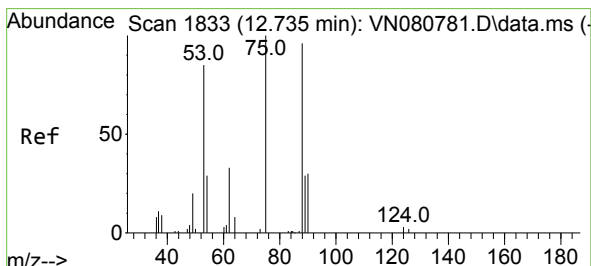
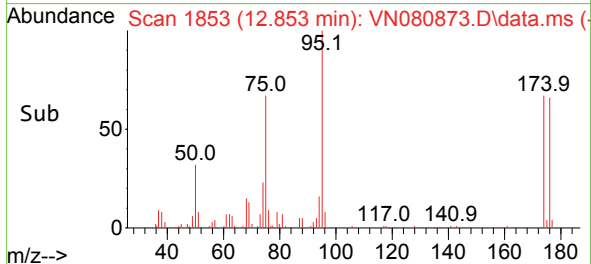
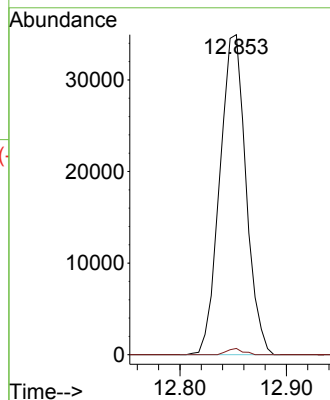
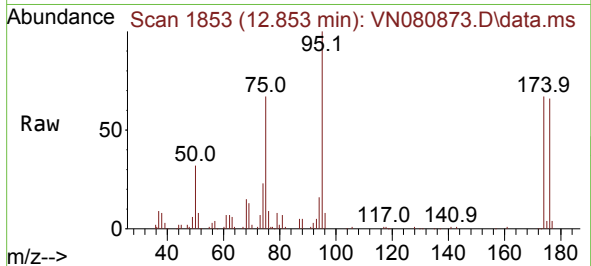




#76
1,2,3-Trichloropropane
Concen: 22.473 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

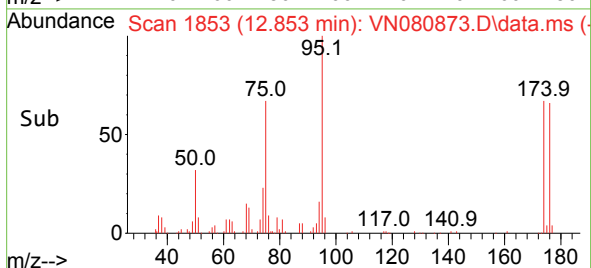
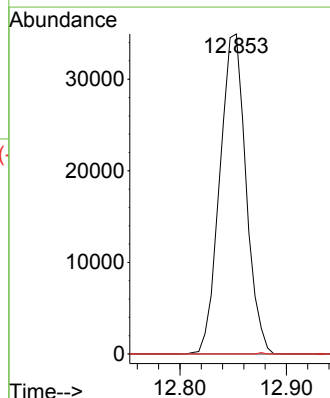
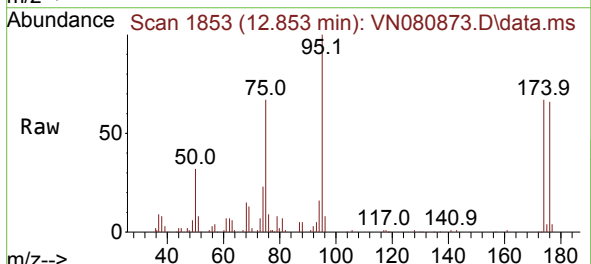
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

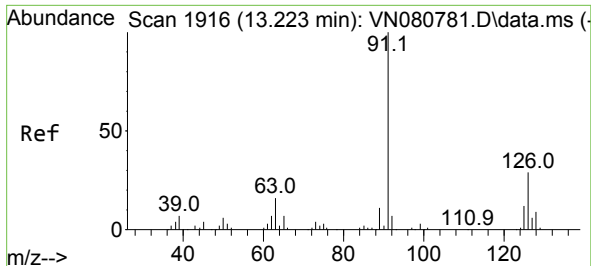
Tgt Ion: 75 Resp: 59646
Ion Ratio Lower Upper
75 100
77 1.2 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.894 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Tgt Ion: 75 Resp: 59646
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

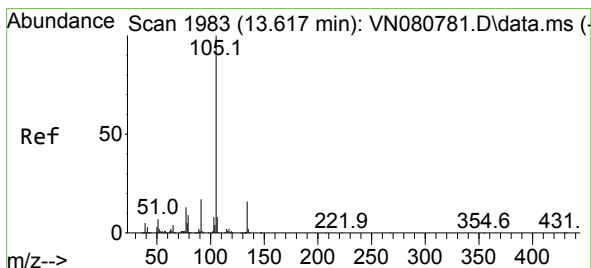
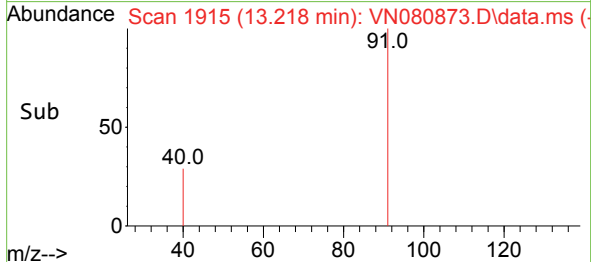
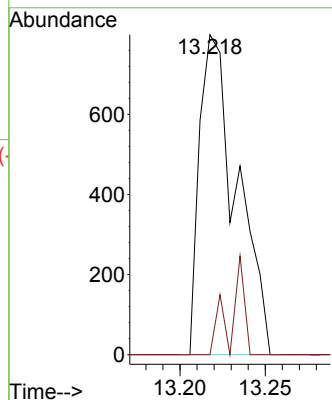
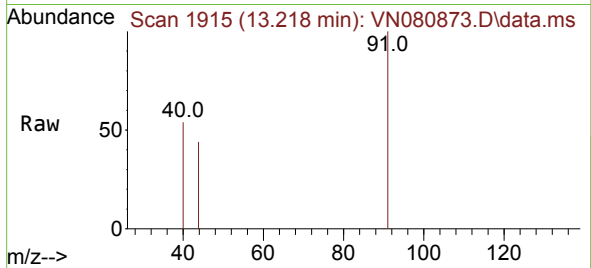




#82
4-Chlorotoluene
Concen: 0.201 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

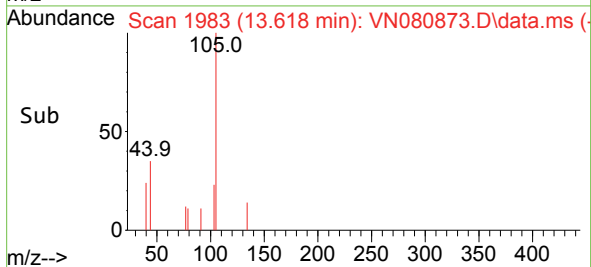
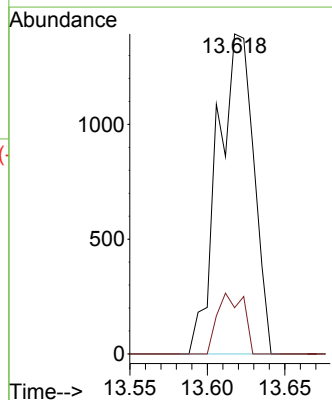
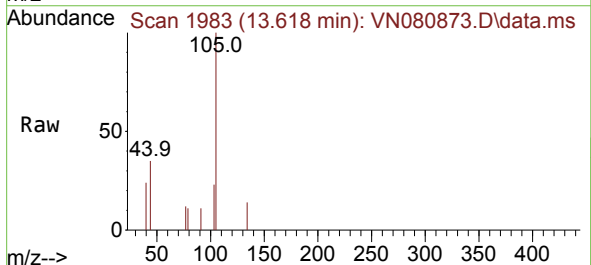
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

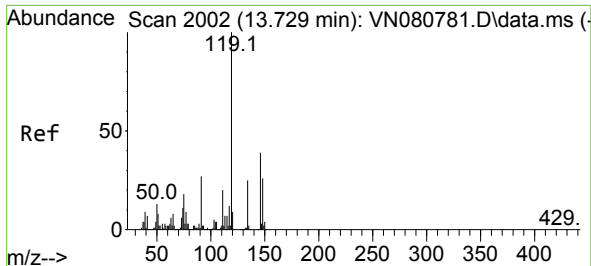
Tgt Ion: 91 Resp: 1216
Ion Ratio Lower Upper
91 100
126 11.5 15.3 45.9#



#85
sec-Butylbenzene
Concen: 0.298 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Tgt Ion: 105 Resp: 2253
Ion Ratio Lower Upper
105 100
134 13.8 8.6 25.8

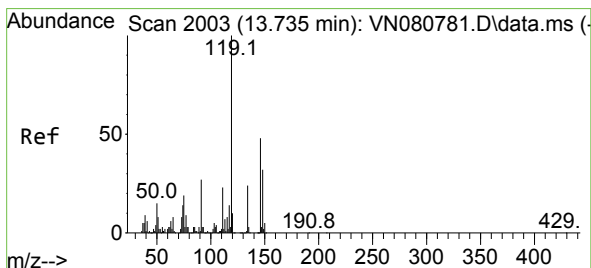
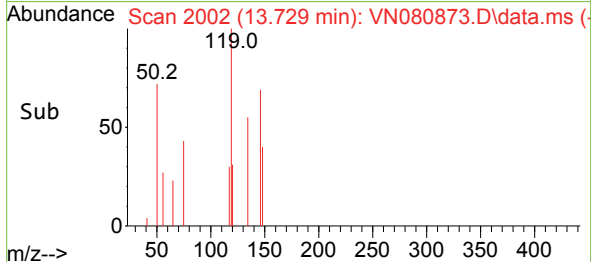
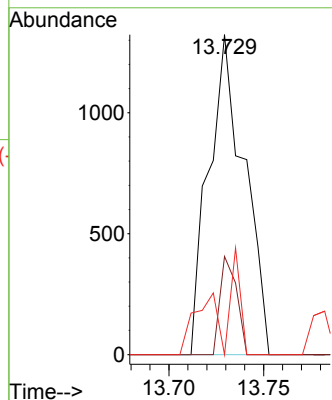
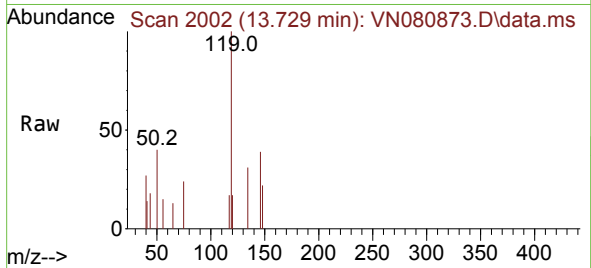




#86
p-Isopropyltoluene
Concen: 0.294 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

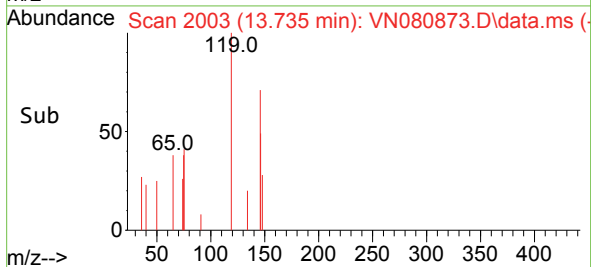
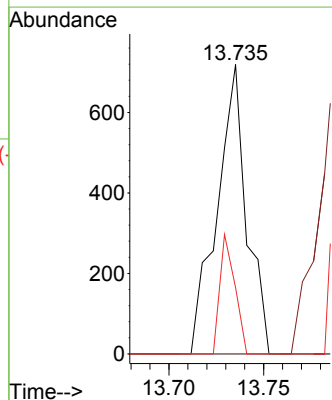
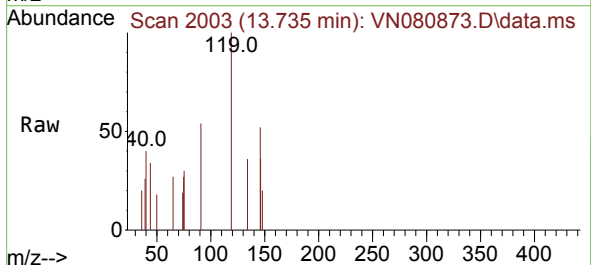
Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

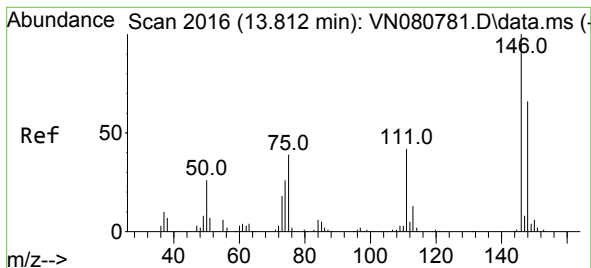
Tgt Ion:119 Resp: 1728
Ion Ratio Lower Upper
119 100
134 14.4 12.4 37.2
91 12.4 13.5 40.4#



#87
1,3-Dichlorobenzene
Concen: 0.254 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Tgt Ion:146 Resp: 783
Ion Ratio Lower Upper
146 100
111 0.0 23.9 71.7#
148 20.8 32.6 97.7#





#88

1,4-Dichlorobenzene

Concen: 0.236 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN080873.D

Acq: 02 Feb 2024 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0202MBL01

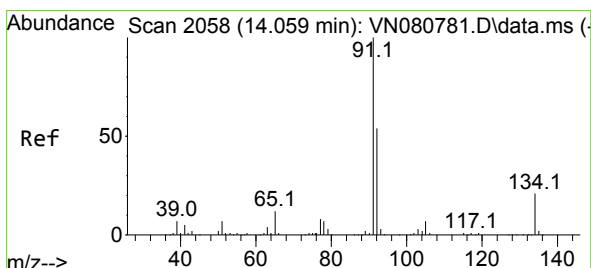
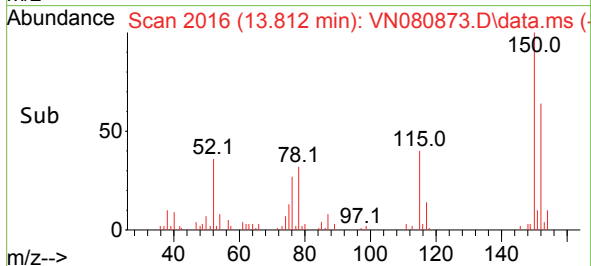
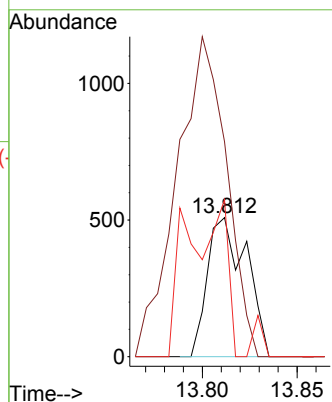
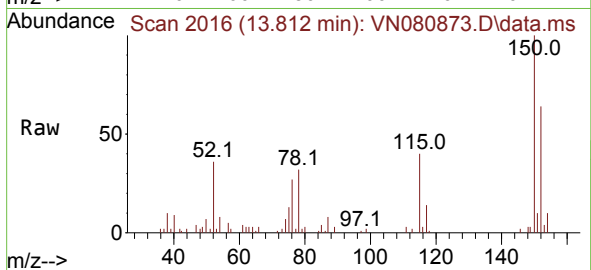
Tgt Ion:146 Resp: 730

Ion Ratio Lower Upper

146 100

111 293.6 22.6 67.7#

148 0.0 31.9 95.5#



#89

n-Butylbenzene

Concen: 0.419 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VN080873.D

Acq: 02 Feb 2024 14:54

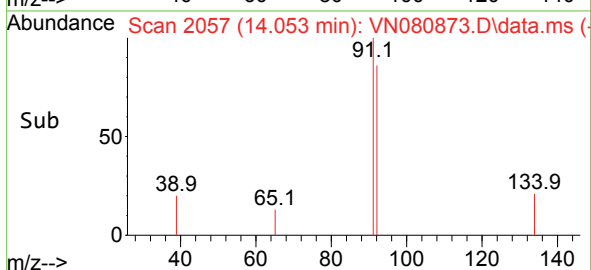
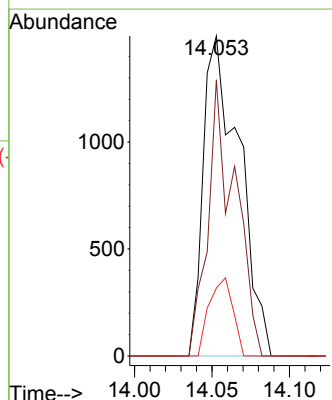
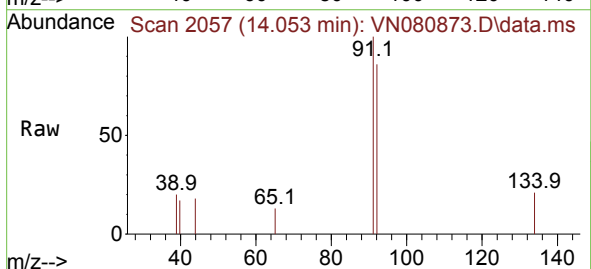
Tgt Ion: 91 Resp: 2405

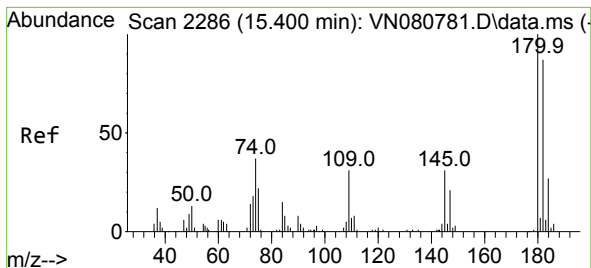
Ion Ratio Lower Upper

91 100

92 65.4 26.7 80.1

134 16.1 10.8 32.4





#93

1,2,4-Trichlorobenzene

Concen: 0.623 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN080873.D

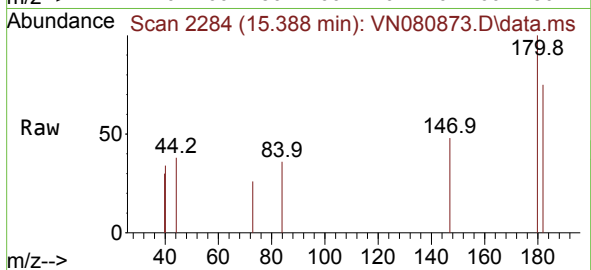
Acq: 02 Feb 2024 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0202MBL01



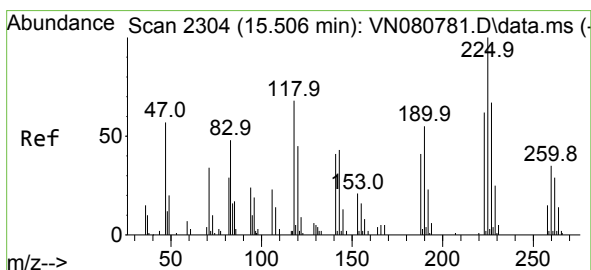
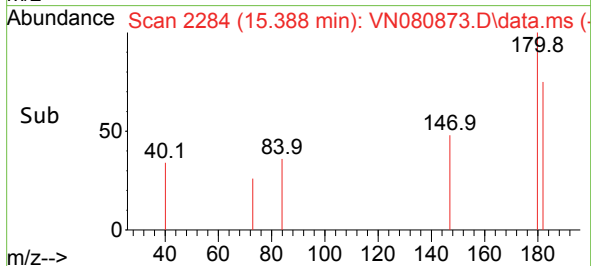
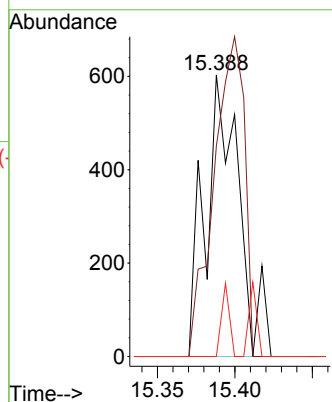
Tgt Ion:180 Resp: 905

Ion Ratio Lower Upper

180 100

182 103.8 46.6 139.7

145 6.1 16.8 50.3#



#94

Hexachlorobutadiene

Concen: 0.271 ug/l

RT: 15.517 min Scan# 2306

Delta R.T. 0.012 min

Lab File: VN080873.D

Acq: 02 Feb 2024 14:54

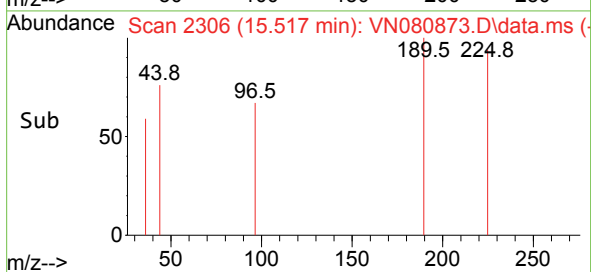
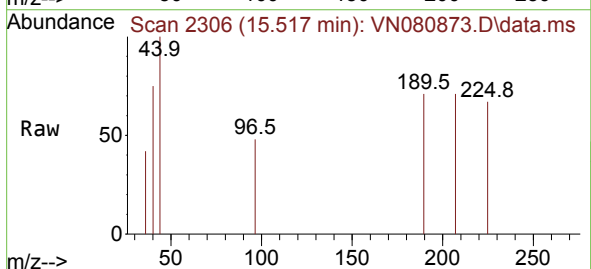
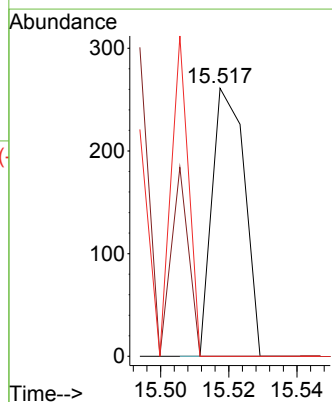
Tgt Ion:225 Resp: 172

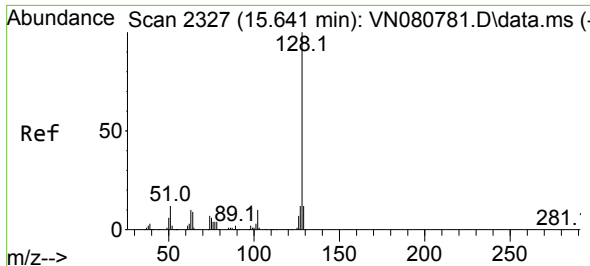
Ion Ratio Lower Upper

225 100

223 0.0 33.3 99.8#

227 0.0 33.1 99.2#

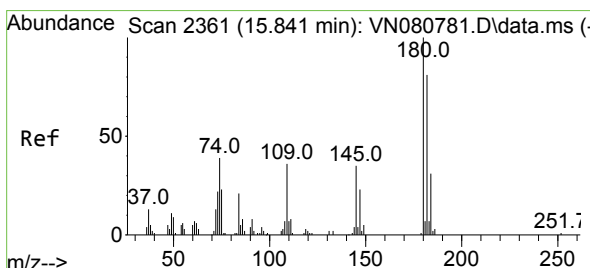
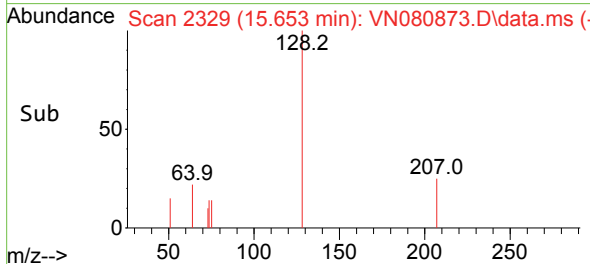
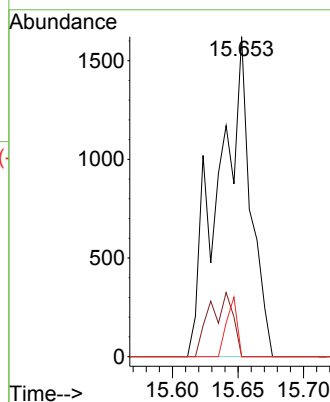
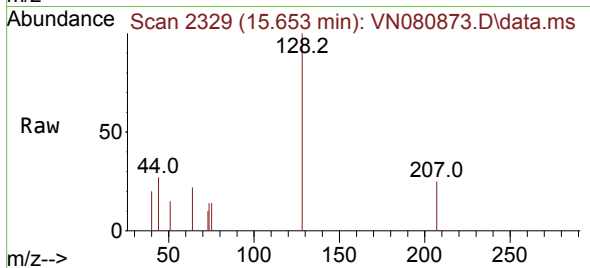




#95
Naphthalene
Concen: 0.501 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0202MBL01

Tgt Ion:128 Resp: 2780
Ion Ratio Lower Upper
128 100
127 14.4 10.0 15.0
129 6.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.521 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.012 min
Lab File: VN080873.D
Acq: 02 Feb 2024 14:54

Tgt Ion:180 Resp: 744
Ion Ratio Lower Upper
180 100
182 123.0 46.5 139.3
145 0.0 17.8 53.4#

