

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043024\
 Data File : VN081920.D
 Acq On : 30 Apr 2024 10:33
 Operator : JC\MD
 Sample : VN0430MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 01 00:49:25 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)

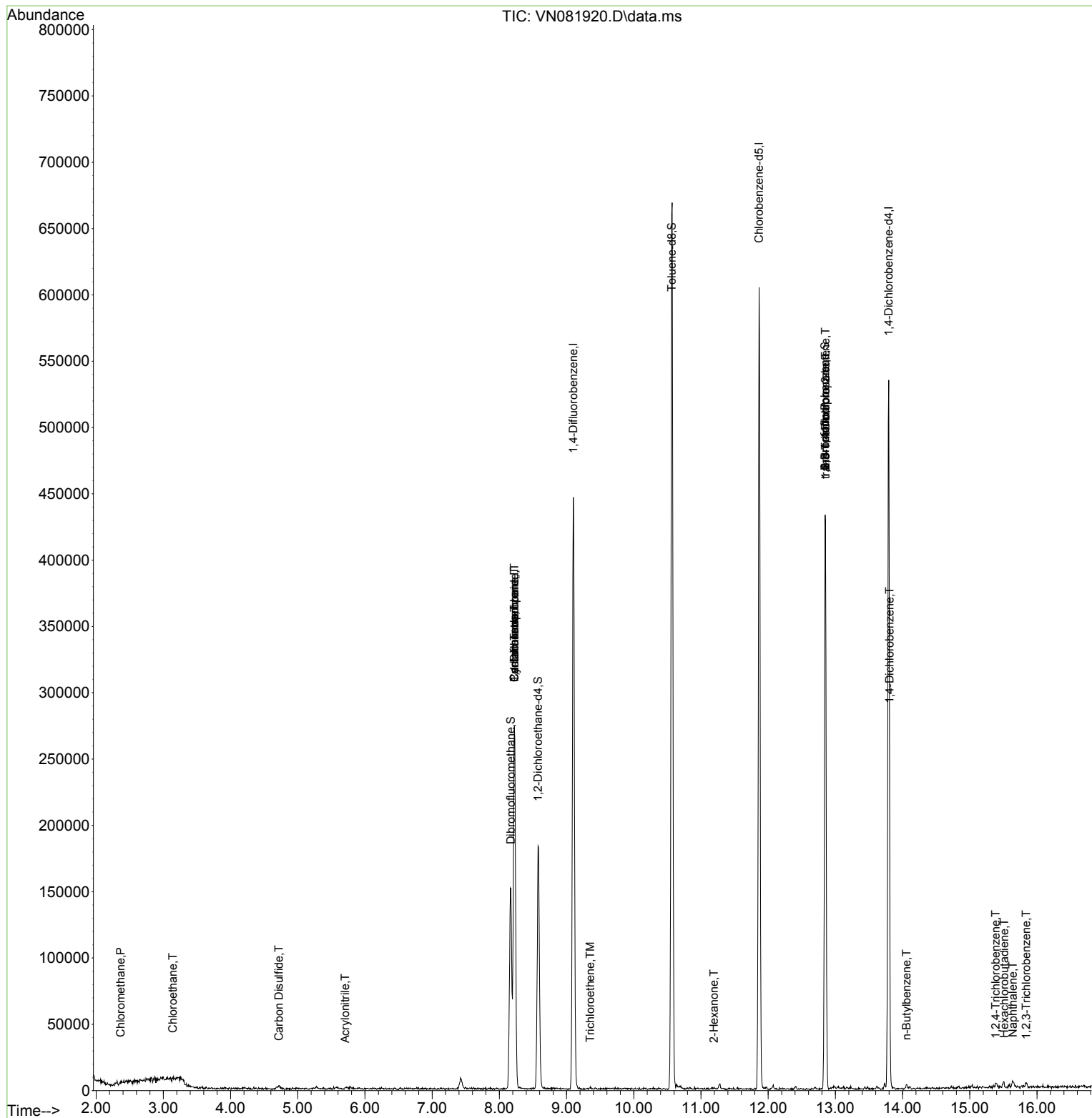
Internal Standards						
1) Pentafluorobenzene	8.224	168	201119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	381780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145882	42.978	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.960%
35) Dibromofluoromethane	8.171	113	110498	48.071	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.140%
50) Toluene-d8	10.565	98	466765	51.703	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.400%
62) 4-Bromofluorobenzene	12.847	95	158166	44.320	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	88.640%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	624	0.212	ug/l #	1
5) Bromomethane	2.936	94	148	Below Cal	#	1
6) Chloroethane	3.142	64	915	0.679	ug/l #	67
13) Acrolein	4.189	56	395	Below Cal		92
15) Acrylonitrile	5.706	53	315	0.213	ug/l #	79
16) Acetone	4.430	43	646	Below Cal		91
17) Carbon Disulfide	4.718	76	4123	0.563	ug/l #	91
31) Cyclohexane	8.224	56	5280	1.033	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	18022	4.819	ug/l #	49
38) Carbon Tetrachloride	8.224	117	21015	5.750	ug/l #	18
44) Trichloroethene	9.353	130	642	0.248	ug/l	99
59) 2-Hexanone	11.194	43	681	0.214	ug/l #	37
71) Bromoform	12.847	173	586	0.318	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	85831	24.778	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	85831	50.772	ug/l #	12
88) 1,4-Dichlorobenzene	13.806	146	1487	0.326	ug/l #	1
89) n-Butylbenzene	14.059	91	1999	0.227	ug/l	89
93) 1,2,4-Trichlorobenzene	15.388	180	1744	0.701	ug/l #	66
94) Hexachlorobutadiene	15.511	225	1051	1.146	ug/l #	46
95) Naphthalene	15.641	128	5296	0.563	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	1380	0.578	ug/l	77

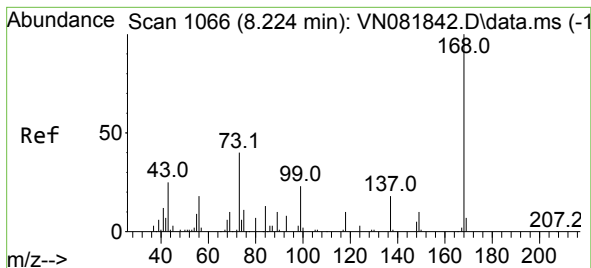
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 01 00:49:25 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081920.D

Acq: 30 Apr 2024 10:33

Instrument :

MSVOA_N

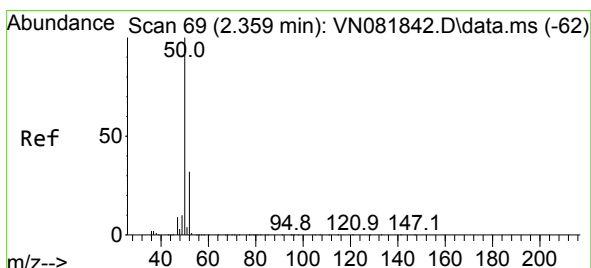
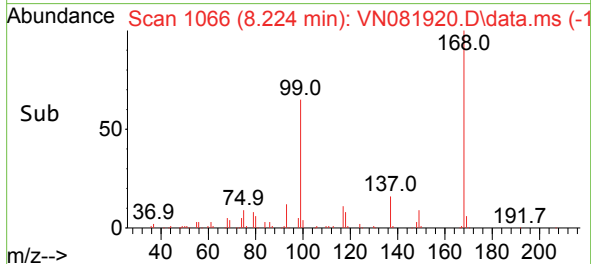
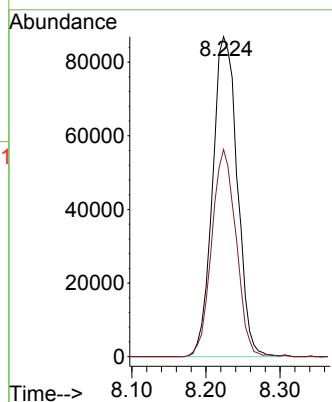
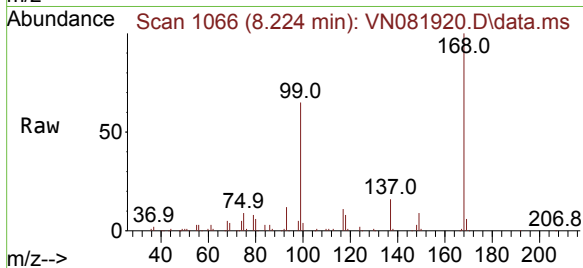
ClientSampleId :

Tgt Ion:168 Resp: 201119

Ion Ratio Lower Upper

168 100

99 64.7 48.2 72.4



#3

Chloromethane

Concen: 0.212 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081920.D

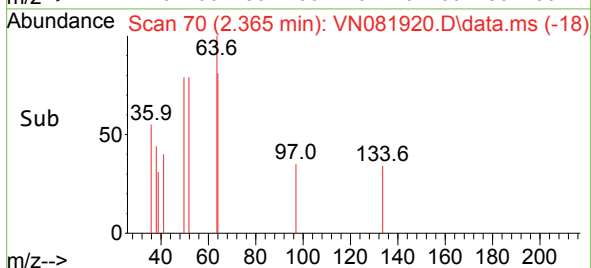
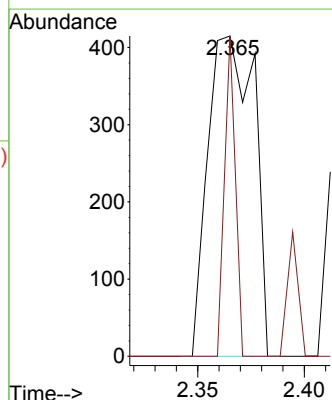
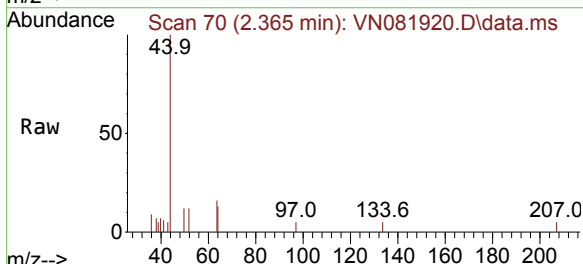
Acq: 30 Apr 2024 10:33

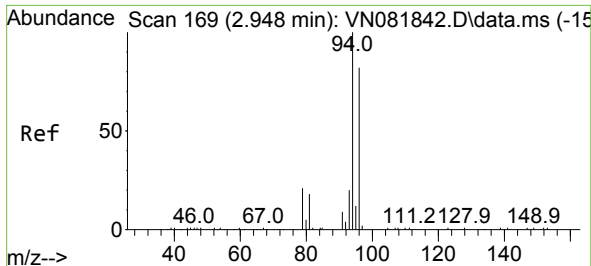
Tgt Ion: 50 Resp: 624

Ion Ratio Lower Upper

50 100

52 100.0 25.5 38.3#

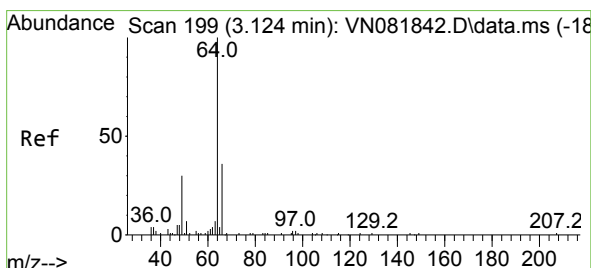
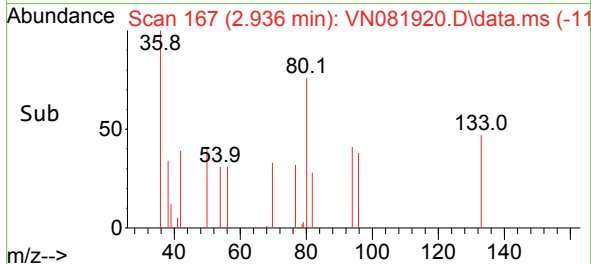
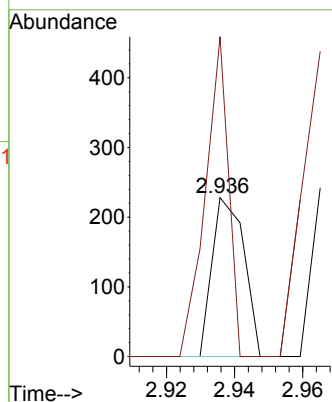
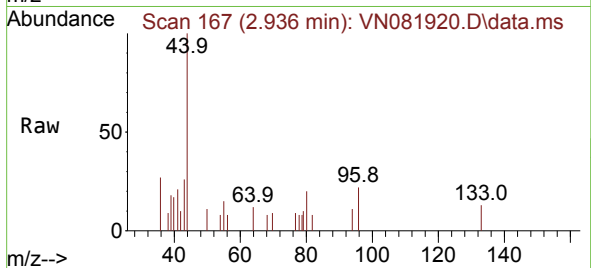




#5
Bromomethane
Concen: Below Cal
RT: 2.936 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

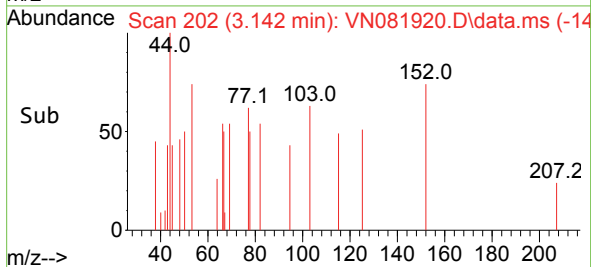
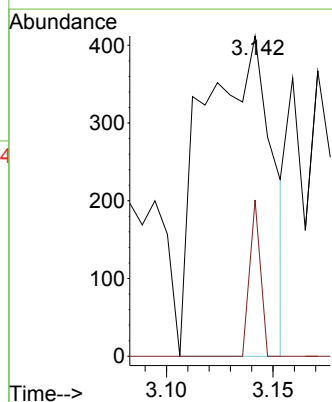
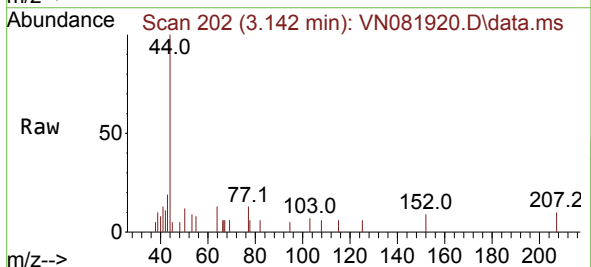
Instrument :
MSVOA_N
ClientSampleId :

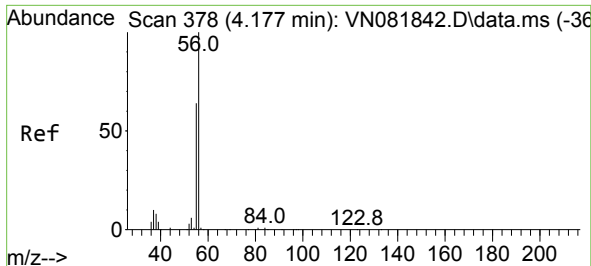
Tgt Ion: 94 Resp: 148
Ion Ratio Lower Upper
94 100
96 201.3 74.8 112.2#



#6
Chloroethane
Concen: 0.679 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.018 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

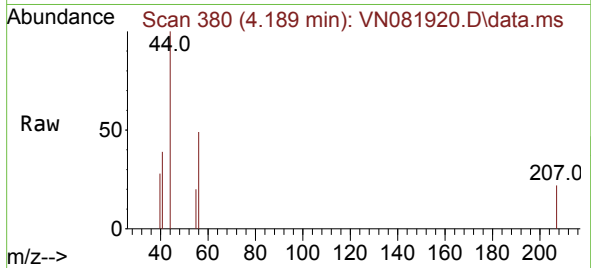
Tgt Ion: 64 Resp: 915
Ion Ratio Lower Upper
64 100
66 48.8 24.7 37.1#



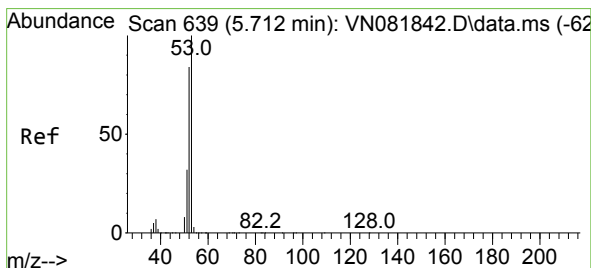
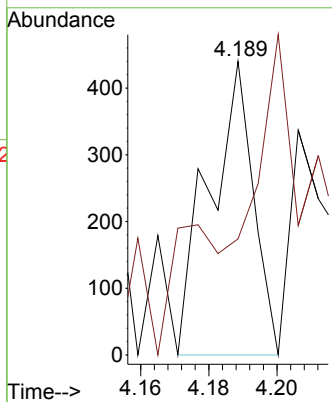
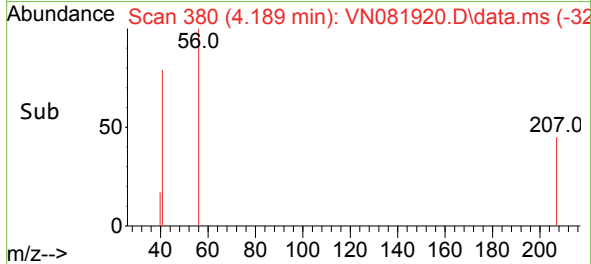


#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

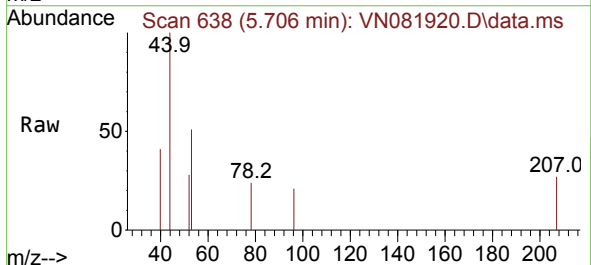
Instrument :
MSVOA_N
ClientSampleId :



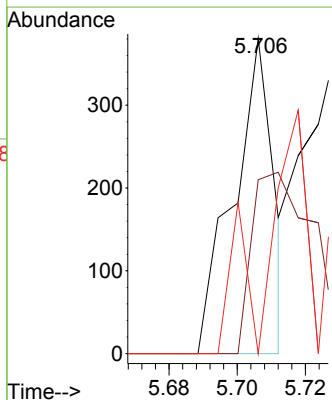
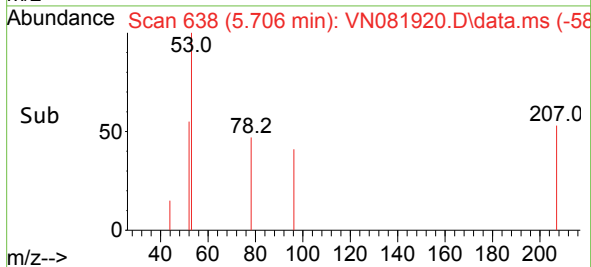
Tgt Ion: 56 Resp: 395
Ion Ratio Lower Upper
56 100
55 63.5 55.8 83.8

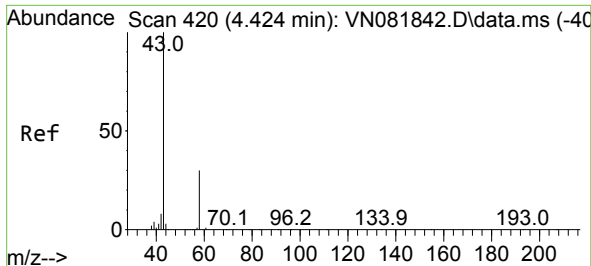


#15
Acrylonitrile
Concen: 0.213 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33



Tgt Ion: 53 Resp: 315
Ion Ratio Lower Upper
53 100
52 84.1 66.1 99.1
51 75.9 29.4 44.2#

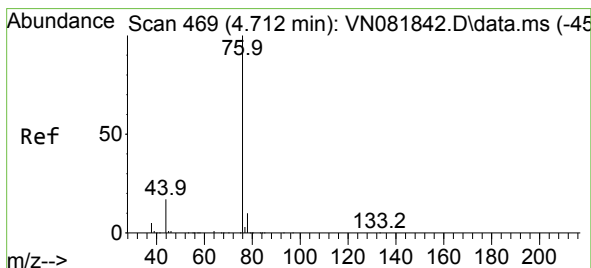
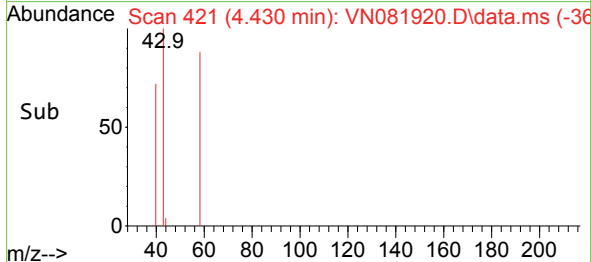
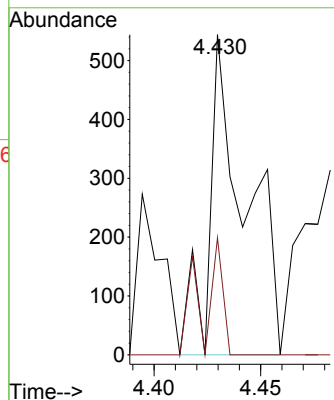
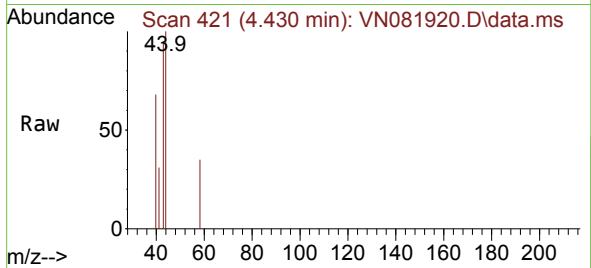




#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

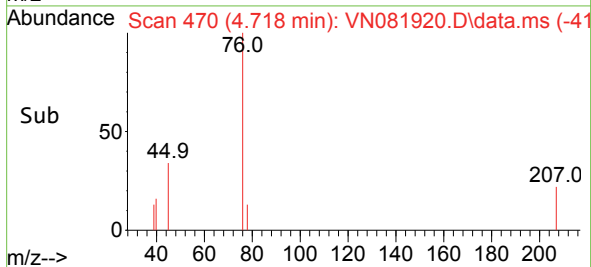
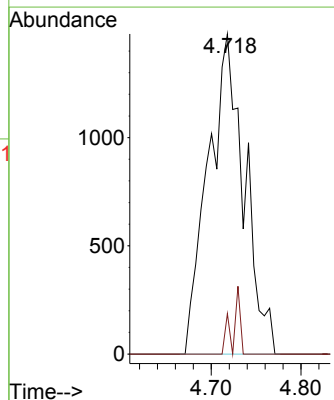
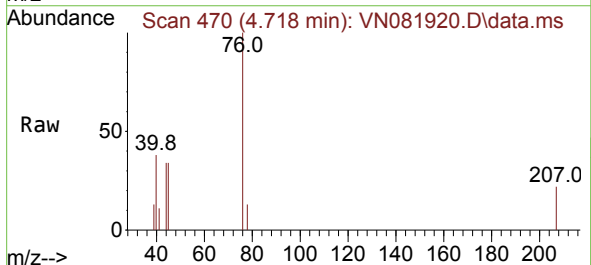
Instrument :
MSVOA_N
ClientSampleId :

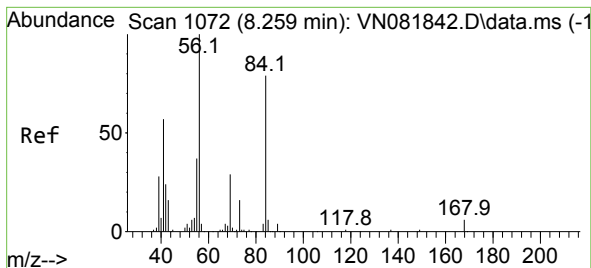
Tgt Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
58 36.6 25.2 37.8



#17
Carbon Disulfide
Concen: 0.563 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

Tgt Ion: 76 Resp: 4123
Ion Ratio Lower Upper
76 100
78 12.6 7.5 11.3#





#31

Cyclohexane

Concen: 1.033 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

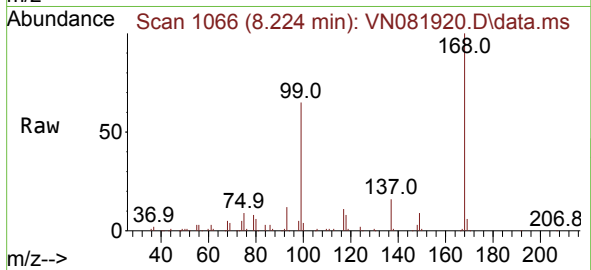
Lab File: VN081920.D

Acq: 30 Apr 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :



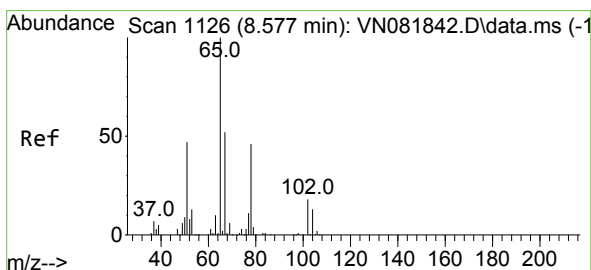
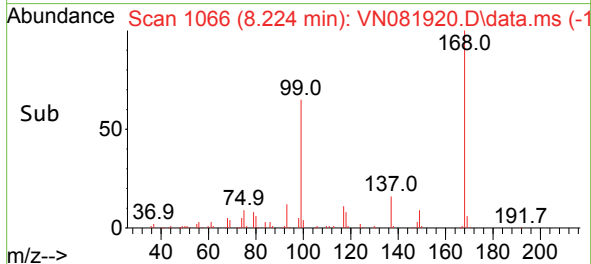
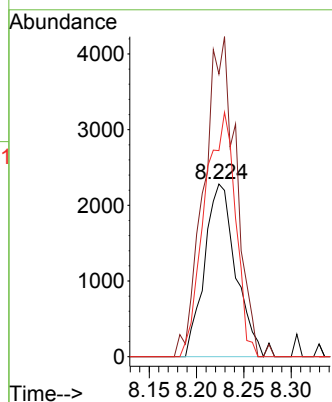
Tgt Ion: 56 Resp: 5280

Ion Ratio Lower Upper

56 100

69 163.6 24.4 36.6#

84 119.3 77.0 115.4#



#33

1,2-Dichloroethane-d4

Concen: 42.978 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081920.D

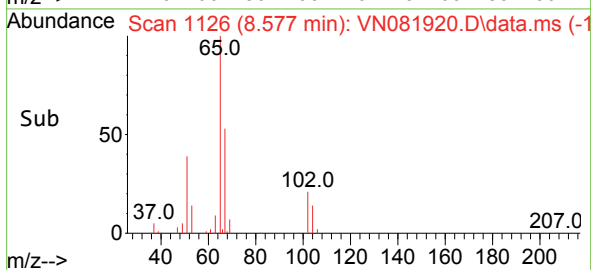
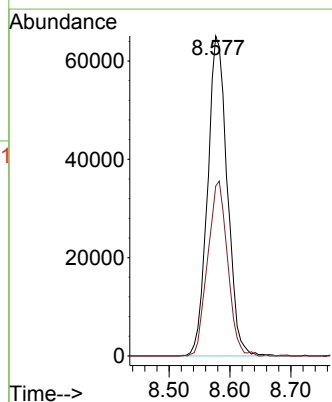
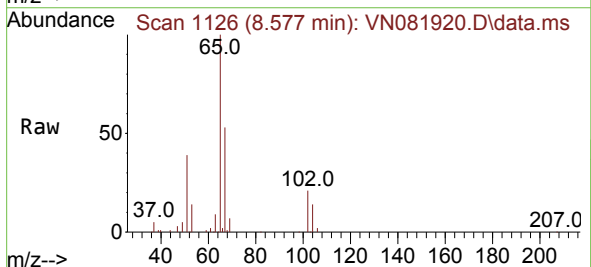
Acq: 30 Apr 2024 10:33

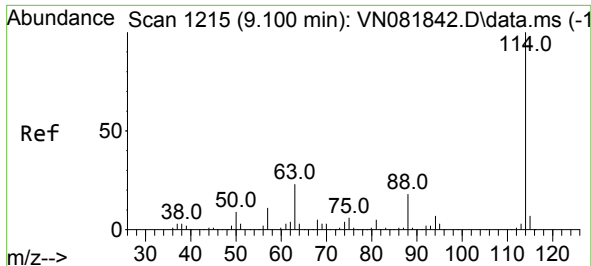
Tgt Ion: 65 Resp: 145882

Ion Ratio Lower Upper

65 100

67 55.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN081920.D

Acq: 30 Apr 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

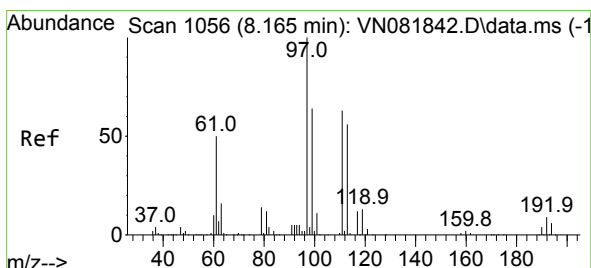
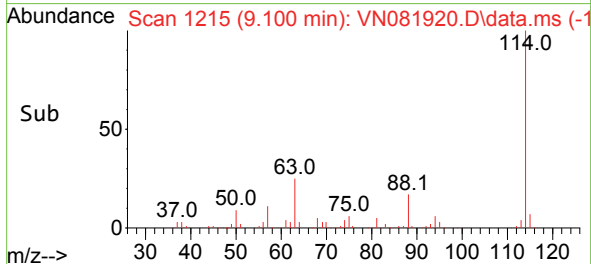
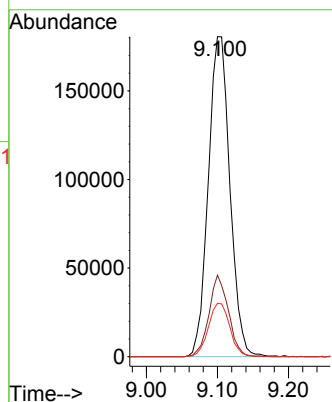
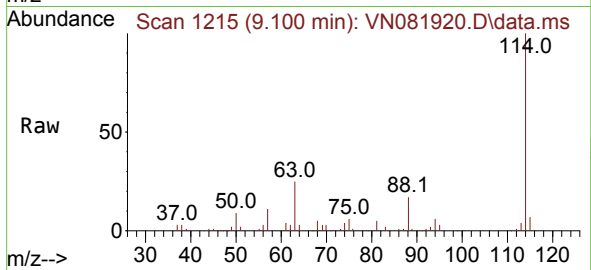
Tgt Ion:114 Resp: 381780

Ion Ratio Lower Upper

114 100

63 25.5 0.0 41.0

88 16.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.071 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081920.D

Acq: 30 Apr 2024 10:33

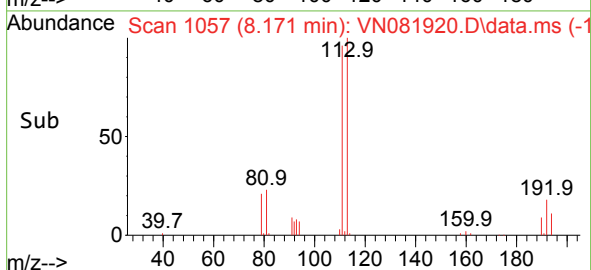
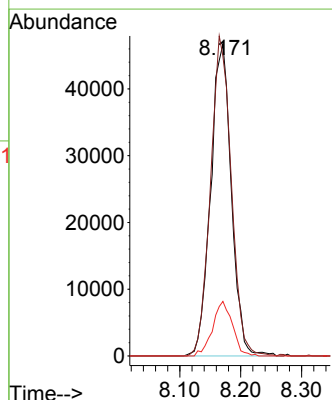
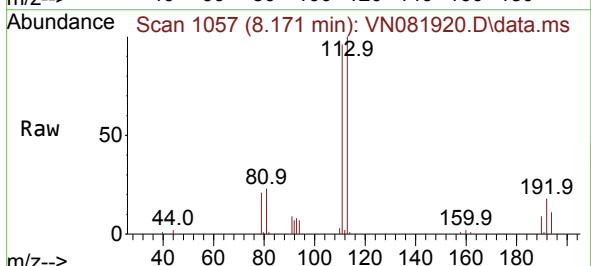
Tgt Ion:113 Resp: 110498

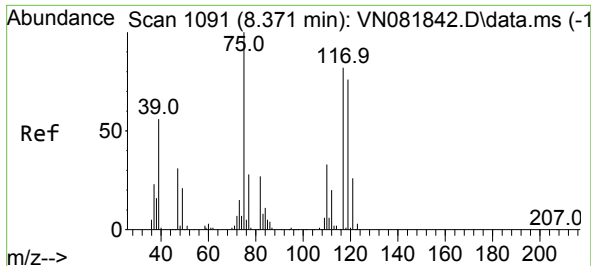
Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

192 16.8 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.819 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

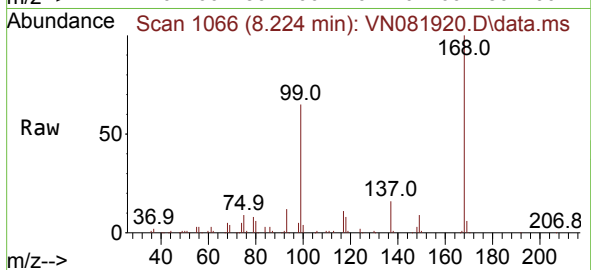
Lab File: VN081920.D

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MSVOA_N

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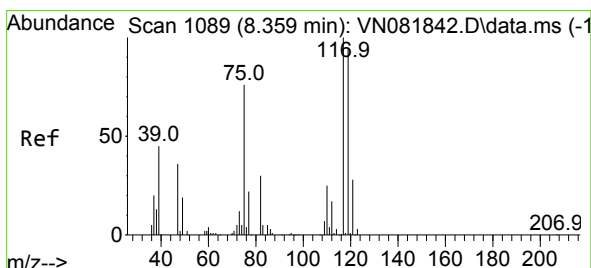
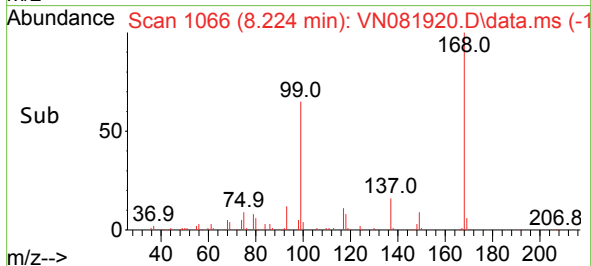
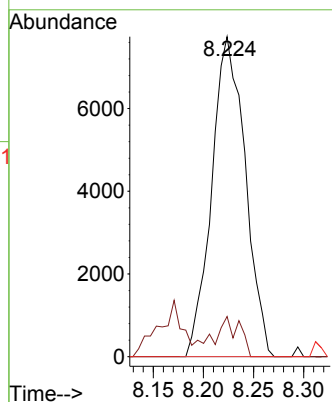
Tgt Ion: 75 Resp: 18022

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.750 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081920.D

Acq: 30 Apr 2024 10:33

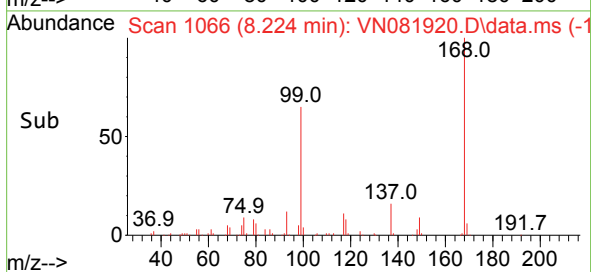
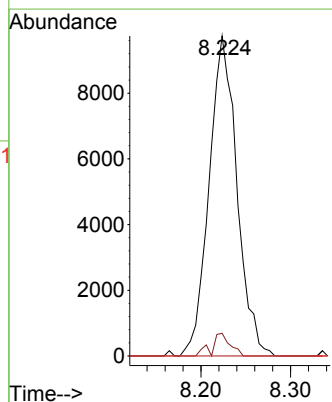
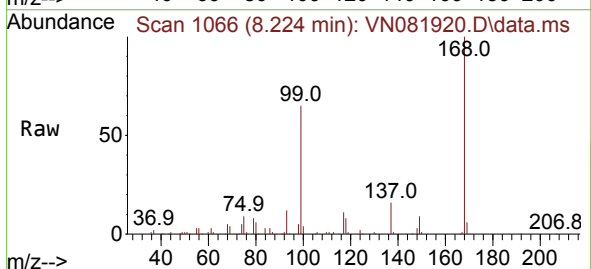
Tgt Ion: 117 Resp: 21015

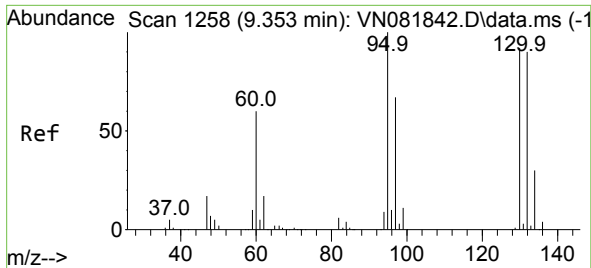
Ion Ratio Lower Upper

117 100

119 7.1 76.5 114.7#

121 0.0 23.9 35.9#

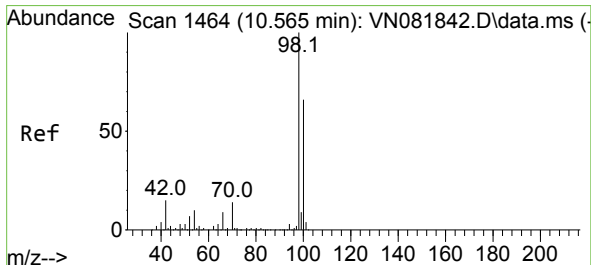
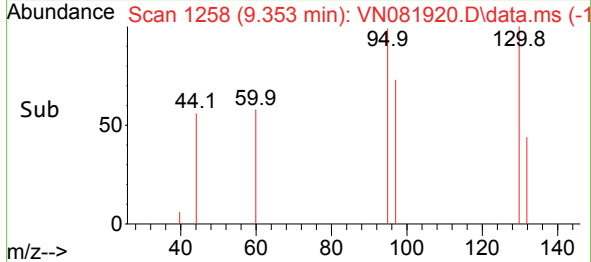
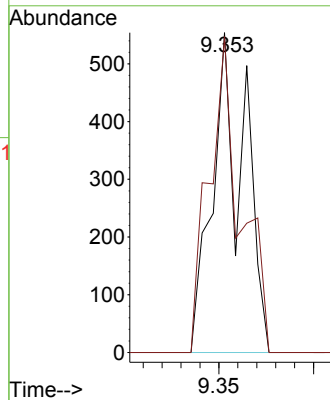
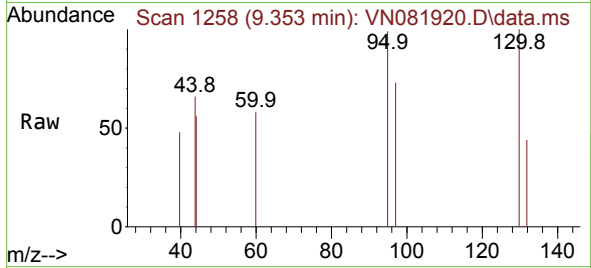




#44
Trichloroethene
Concen: 0.248 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

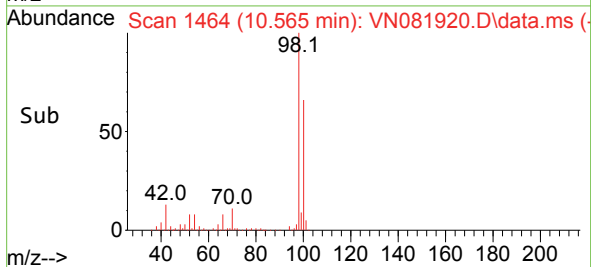
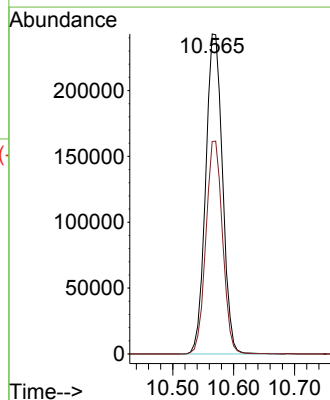
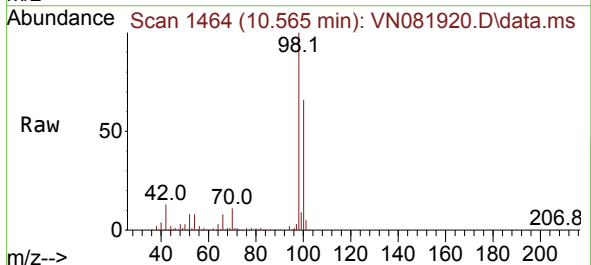
Instrument :
MSVOA_N
ClientSampleId :

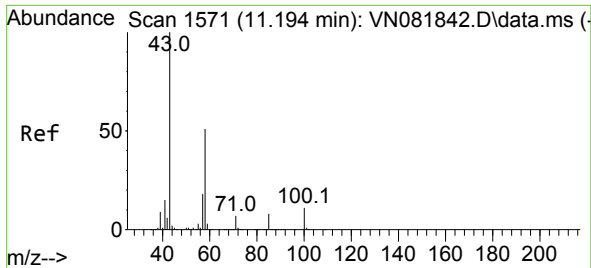
Tgt Ion:130 Resp: 642
Ion Ratio Lower Upper
130 100
95 98.7 0.0 195.4



#50
Toluene-d8
Concen: 51.703 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

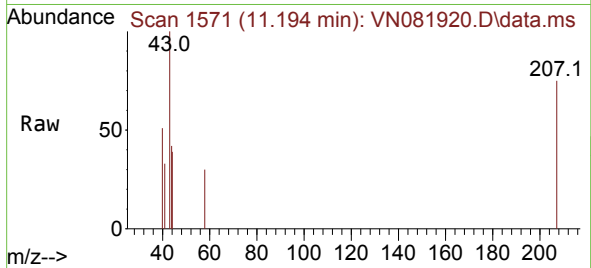
Tgt Ion: 98 Resp: 466765
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.6



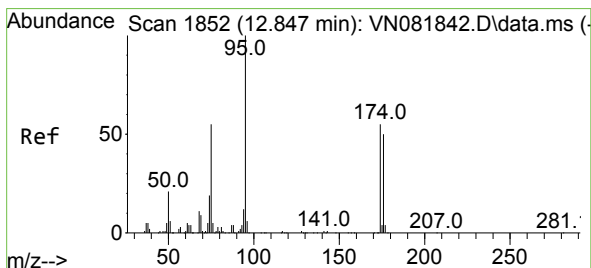
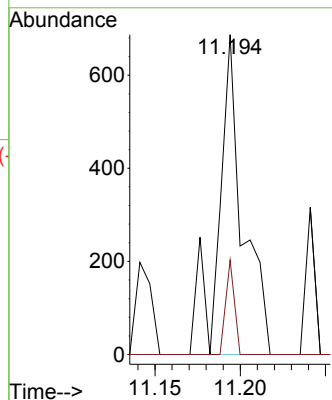
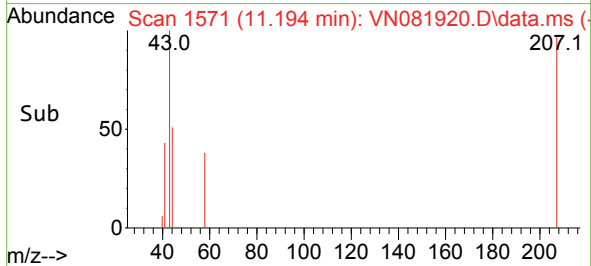


#59
2-Hexanone
Concen: 0.214 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

Instrument :
MSVOA_N
ClientSampleId :

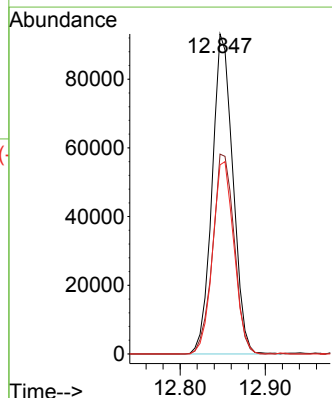
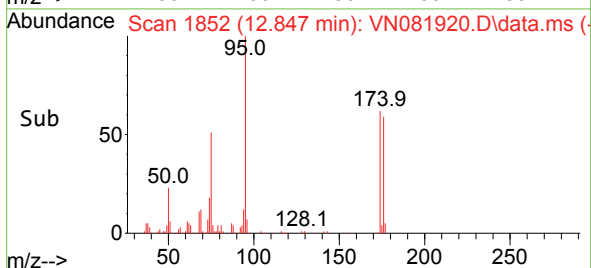
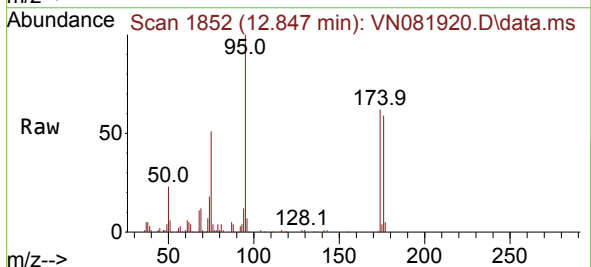


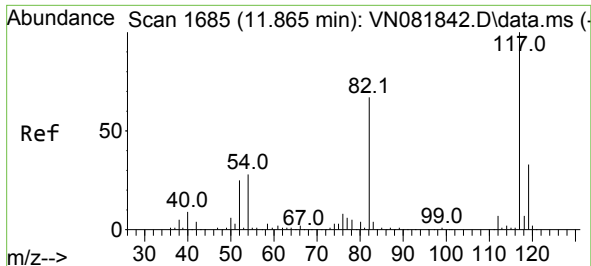
Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
58 10.6 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 44.320 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

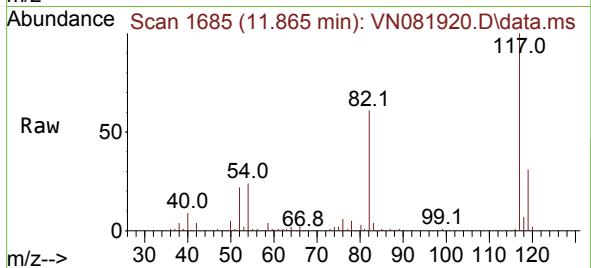
Tgt Ion: 95 Resp: 158166
Ion Ratio Lower Upper
95 100
174 64.8 0.0 160.6
176 61.8 0.0 152.8



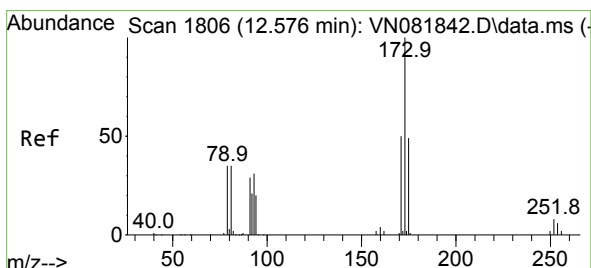
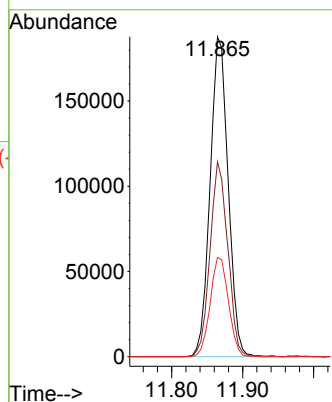
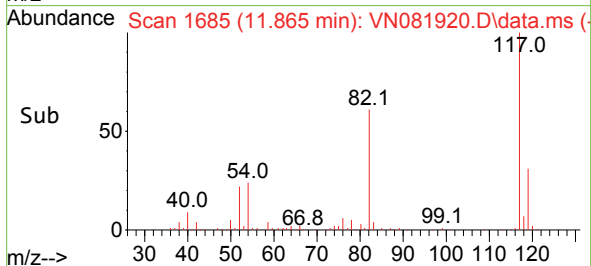


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

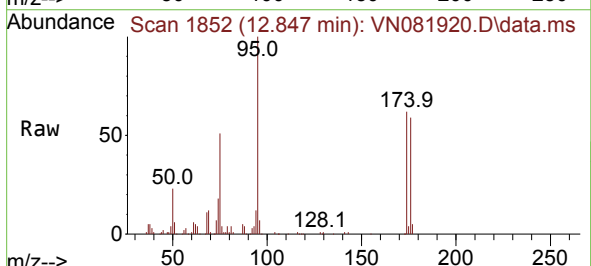
Instrument :
MSVOA_N
ClientSampleId :



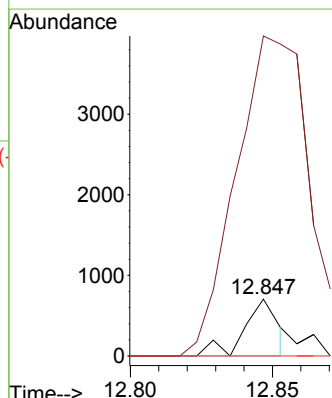
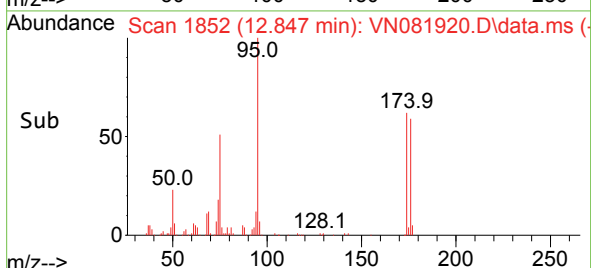
Tgt Ion:117 Resp: 330699
Ion Ratio Lower Upper
117 100
82 60.9 44.6 66.8
119 31.0 25.9 38.9

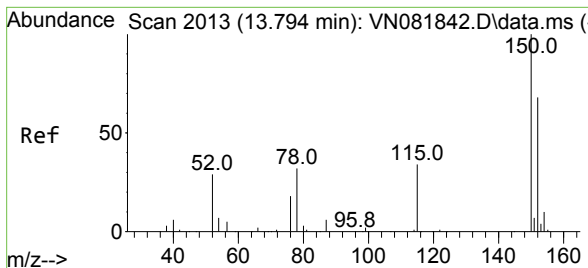


#71
Bromoform
Concen: 0.318 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33



Tgt Ion:173 Resp: 586
Ion Ratio Lower Upper
173 100
175 822.2 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# 20

Delta R.T. -0.000 min

Lab File: VN081920.D

Acq: 30 Apr 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

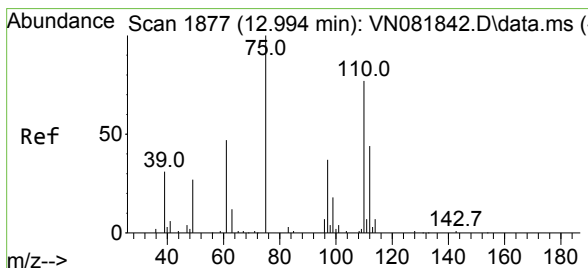
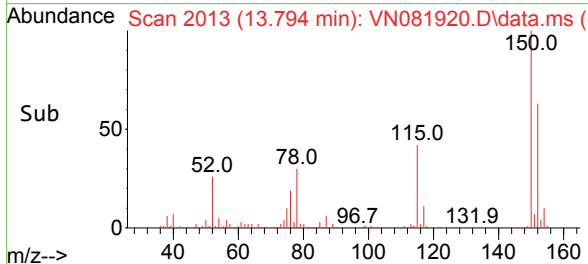
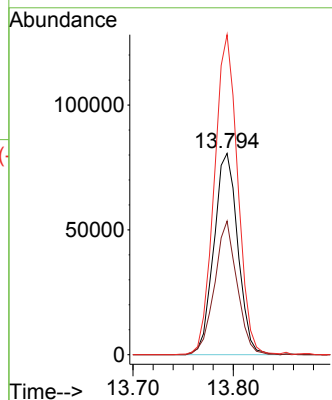
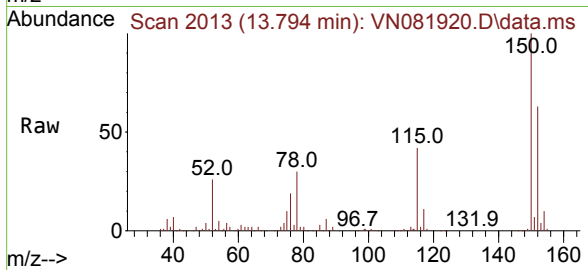
Tgt Ion:152 Resp: 133604

Ion Ratio Lower Upper

152 100

115 62.5 30.4 91.3

150 155.6 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 24.778 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081920.D

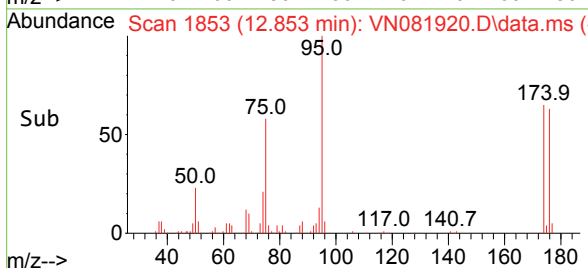
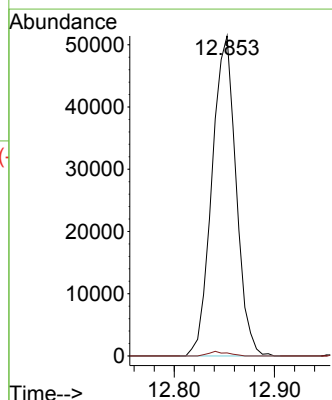
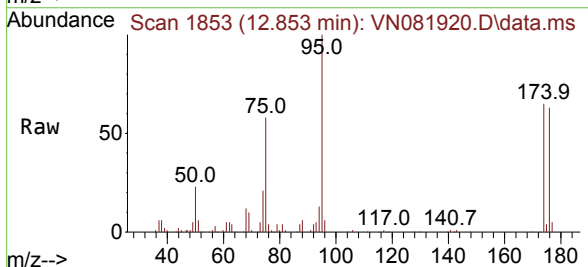
Acq: 30 Apr 2024 10:33

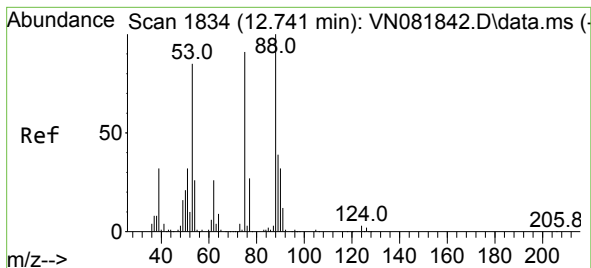
Tgt Ion: 75 Resp: 85831

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#

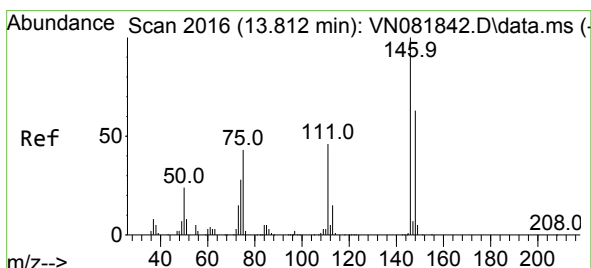
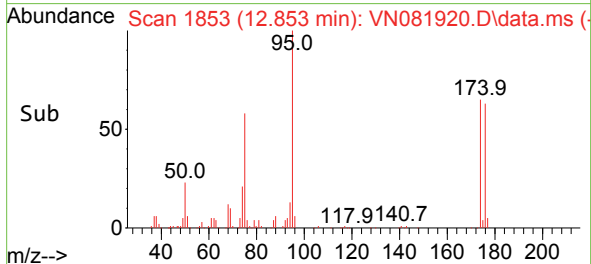
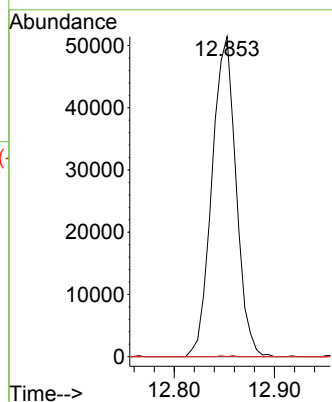
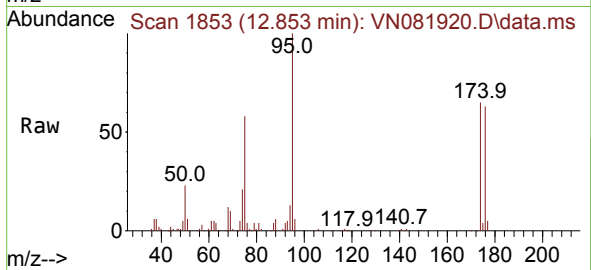




#81
trans-1,4-Dichloro-2-butene
Concen: 50.772 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

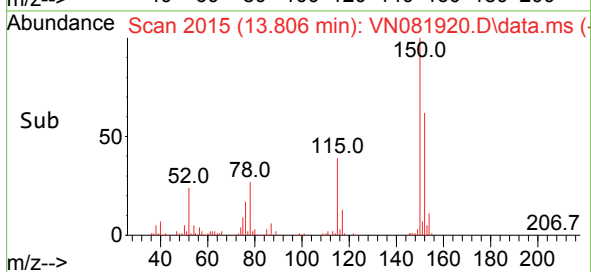
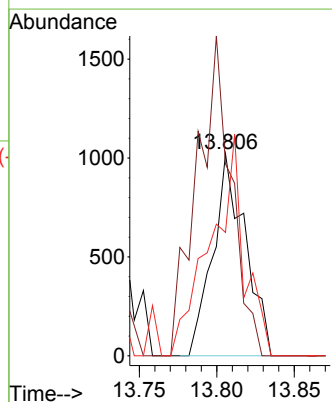
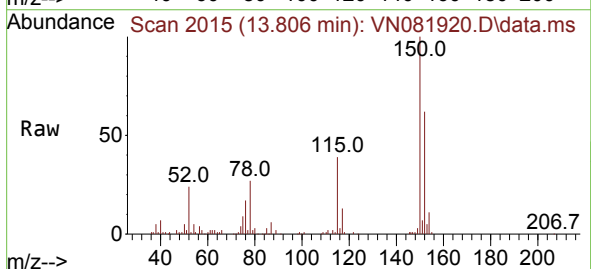
Instrument :
MSVOA_N
ClientSampleId :

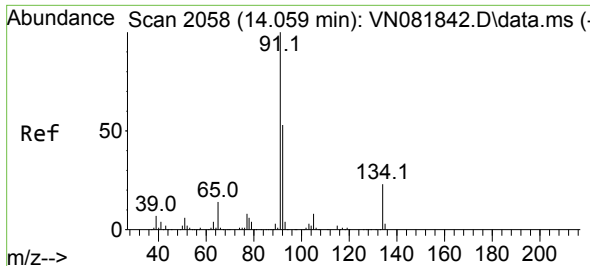
Tgt Ion: 75 Resp: 85831
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.1 39.1 58.7#



#88
1,4-Dichlorobenzene
Concen: 0.326 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

Tgt Ion: 146 Resp: 1487
Ion Ratio Lower Upper
146 100
111 167.6 19.3 57.9#
148 113.2 31.3 93.9#

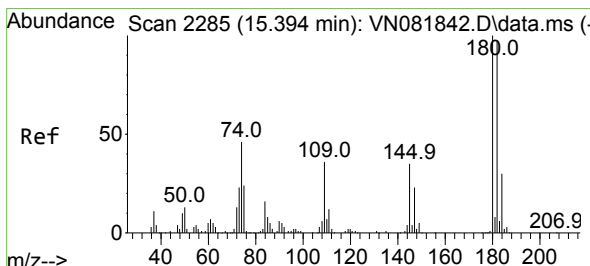
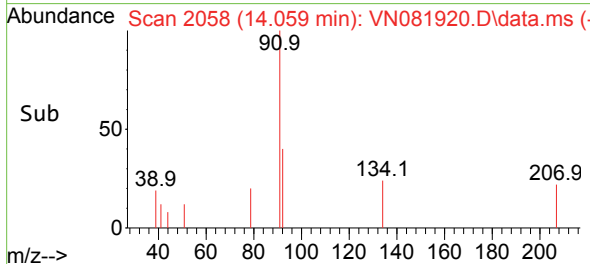
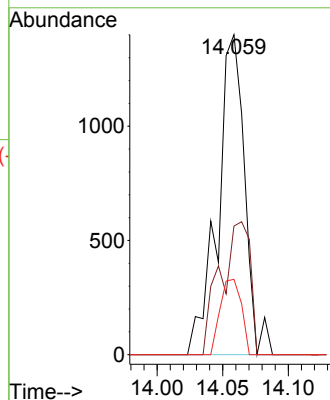
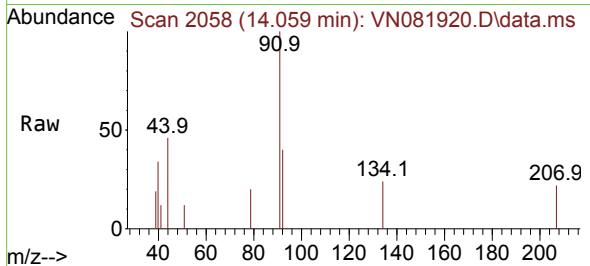




#89
n-Butylbenzene
Concen: 0.227 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

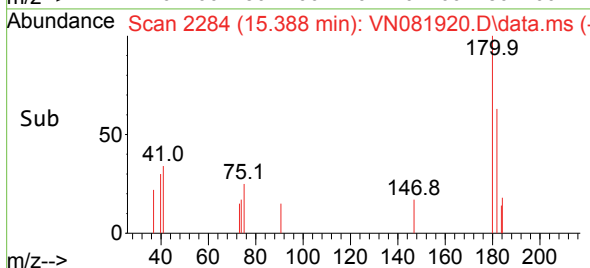
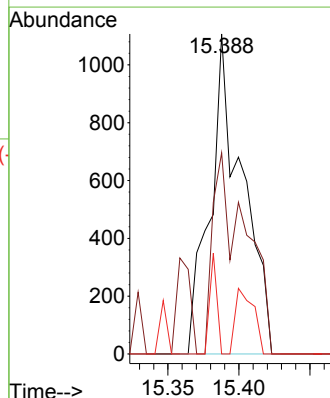
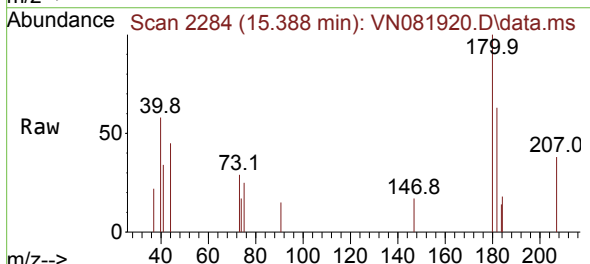
Instrument :
MSVOA_N
ClientSampleId :

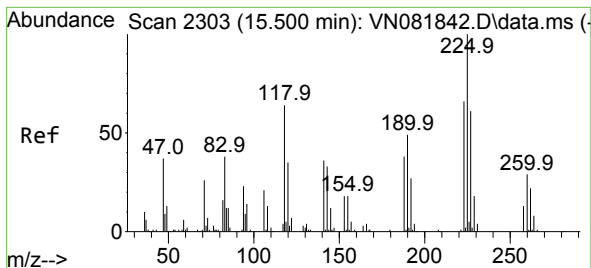
Tgt Ion: 91 Resp: 1999
Ion Ratio Lower Upper
91 100
92 46.0 26.2 78.5
134 18.5 13.2 39.5



#93
1,2,4-Trichlorobenzene
Concen: 0.701 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN081920.D
Acq: 30 Apr 2024 10:33

Tgt Ion:180 Resp: 1744
Ion Ratio Lower Upper
180 100
182 64.6 46.7 140.0
145 7.1 16.2 48.6#





#94

Hexachlorobutadiene

Concen: 1.146 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.012 min

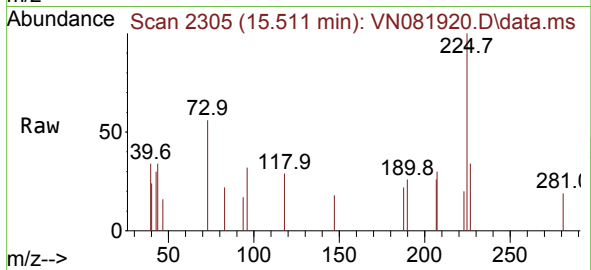
Lab File: VN081920.D

Acq: 30 Apr 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :



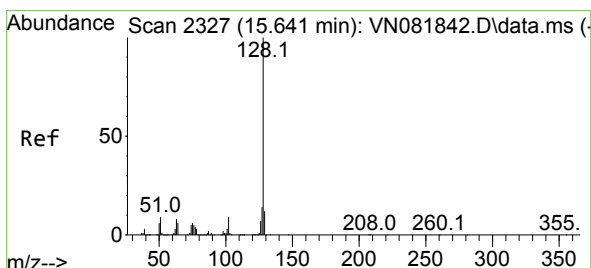
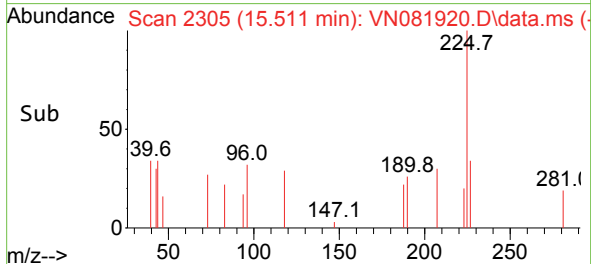
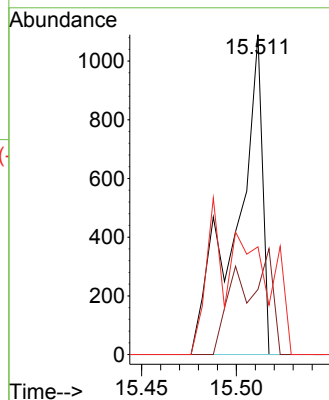
Tgt Ion:225 Resp: 1051

Ion Ratio Lower Upper

225 100

223 40.9 31.1 93.2

227 0.0 30.6 91.6#



#95

Naphthalene

Concen: 0.563 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN081920.D

Acq: 30 Apr 2024 10:33

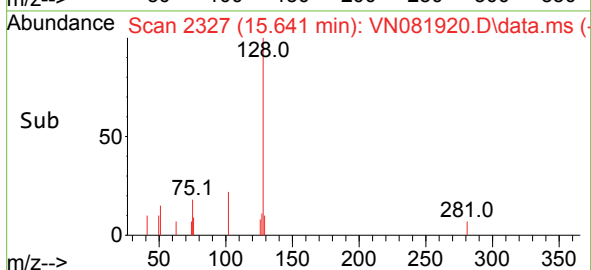
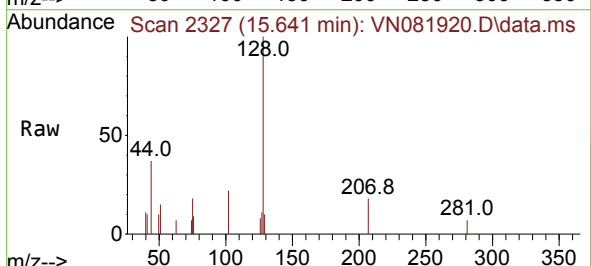
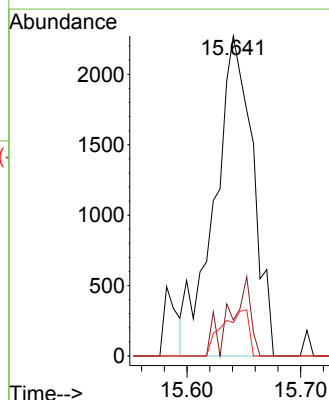
Tgt Ion:128 Resp: 5296

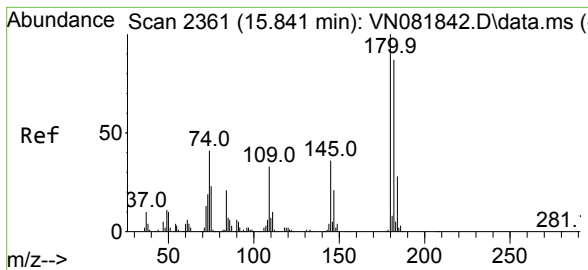
Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

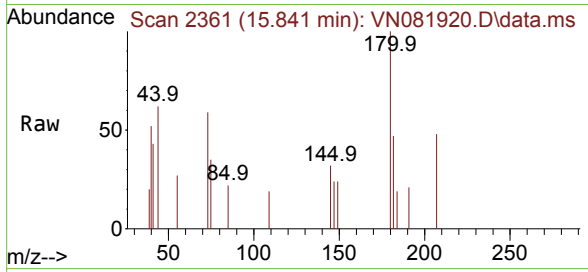
129 9.9 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.578 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN081920.D
 Acq: 30 Apr 2024 10:33

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1380
Ion	Ratio	Lower	Upper
180	100		
182	64.9	46.0	137.8
145	29.1	17.1	51.3

