

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071724\
 Data File : VN082953.D
 Acq On : 17 Jul 2024 10:46
 Operator : JC\MD
 Sample : VN0717MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717MBL01

Quant Time: Jul 18 05:20:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

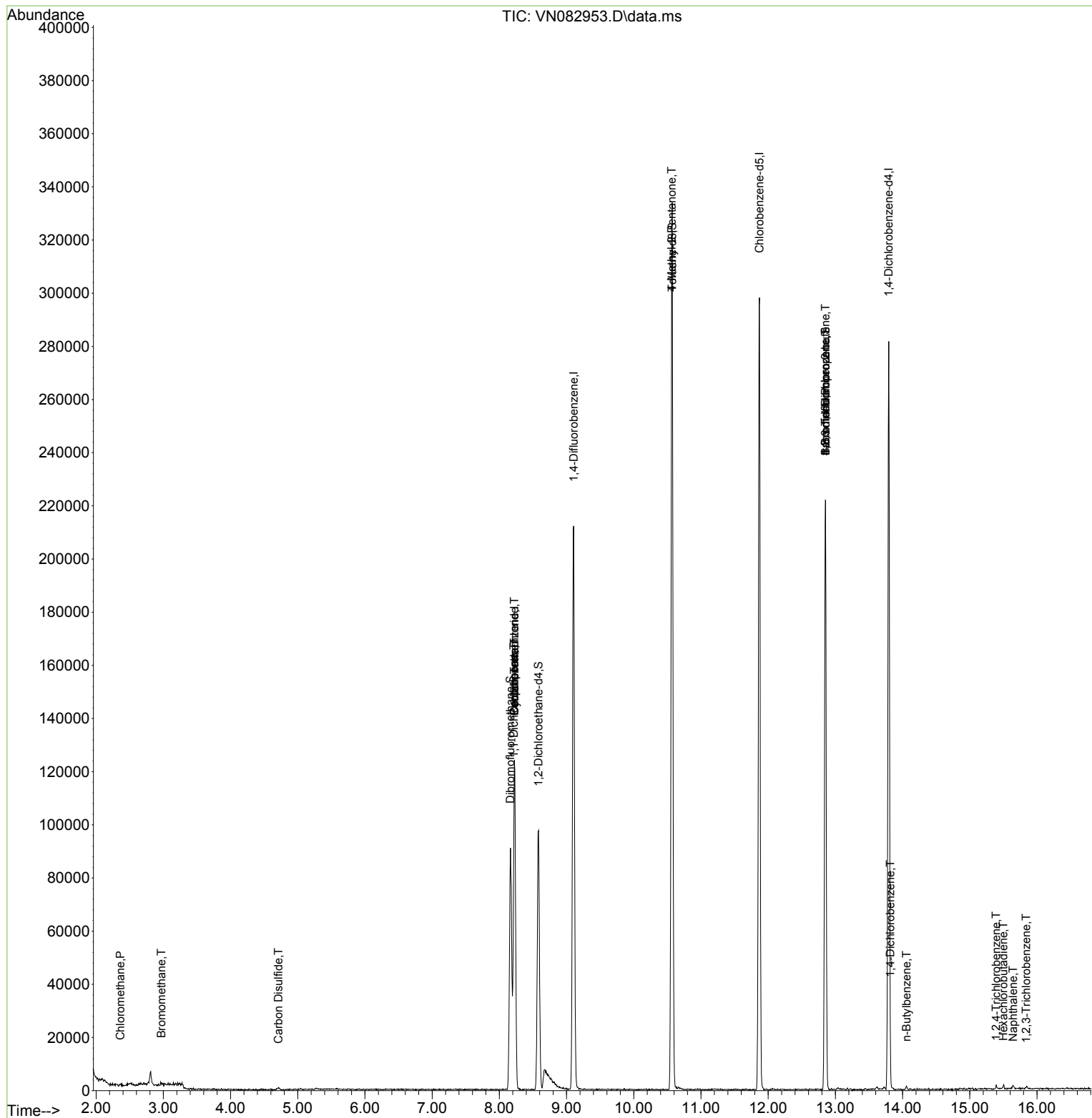
Internal Standards						
1) Pentafluorobenzene	8.224	168	85762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	177601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	169974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	73305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	81838	68.073	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 136.140%#	
35) Dibromofluoromethane	8.165	113	64274	56.399	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.800%	
50) Toluene-d8	10.570	98	227193	53.976	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.960%	
62) 4-Bromofluorobenzene	12.853	95	72953	48.250	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 96.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	399	0.379	ug/l #	43
5) Bromomethane	2.971	94	234	0.293	ug/l	96
17) Carbon Disulfide	4.712	76	1808	0.691	ug/l #	75
31) Cyclohexane	8.224	56	2252	1.433	ug/l #	12
36) 1,1-Dichloropropene	8.218	75	7789	4.957	ug/l #	46
38) Carbon Tetrachloride	8.224	117	9501	5.022	ug/l #	22
43) Isopropyl Acetate	8.676	43	5452	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.565	43	1181	0.745	ug/l #	1
71) Bromoform	12.853	173	839	0.823	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	40396	31.963	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	40396	62.863	ug/l #	6
88) 1,4-Dichlorobenzene	13.817	146	558	0.217	ug/l #	70
89) n-Butylbenzene	14.058	91	1121	0.304	ug/l #	74
93) 1,2,4-Trichlorobenzene	15.394	180	452	0.348	ug/l #	79
94) Hexachlorobutadiene	15.500	225	479	0.832	ug/l #	70
95) Naphthalene	15.647	128	1639	0.369	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.841	180	619	0.464	ug/l	80

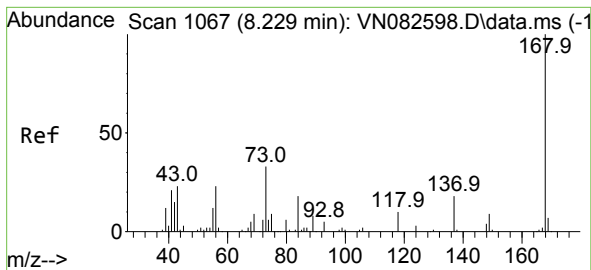
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN082953.D

Acq: 17 Jul 2024 10:46

Instrument :

MSVOA_N

ClientSampleId :

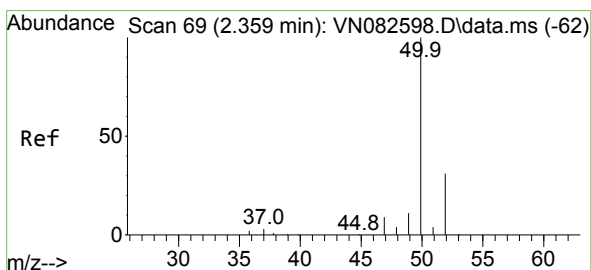
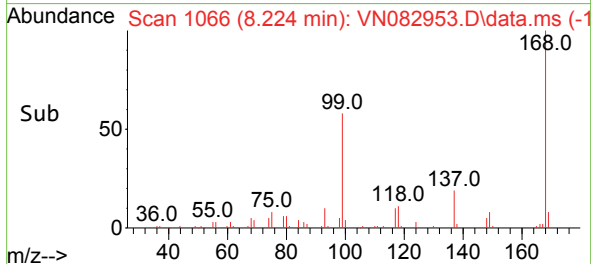
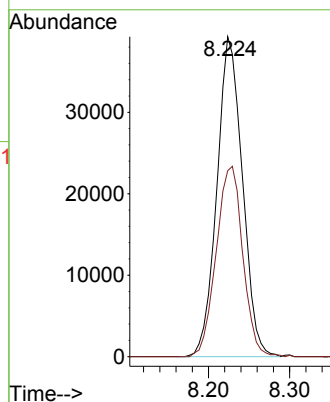
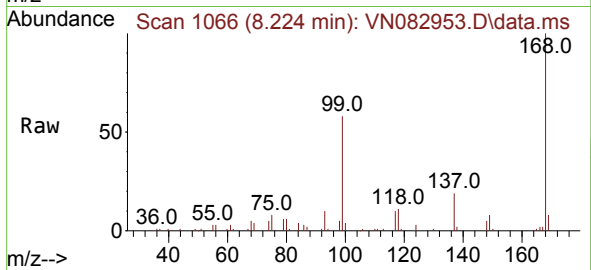
VN0717MBL01

Tgt Ion:168 Resp: 85762

Ion Ratio Lower Upper

168 100

99 58.1 48.2 72.4



#3

Chloromethane

Concen: 0.379 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082953.D

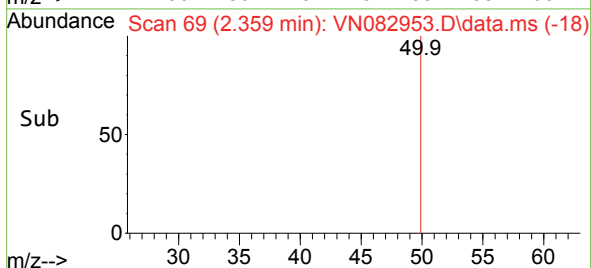
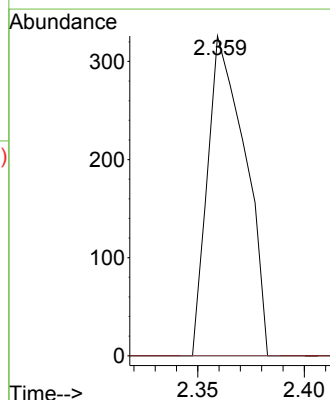
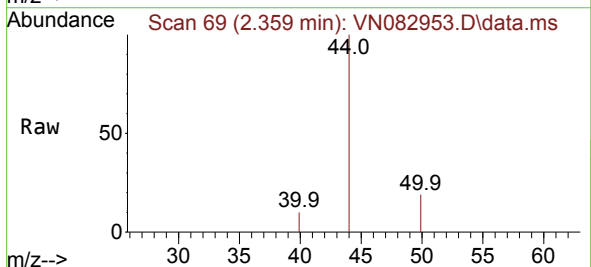
Acq: 17 Jul 2024 10:46

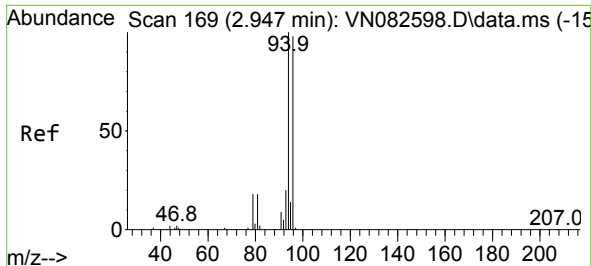
Tgt Ion: 50 Resp: 399

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

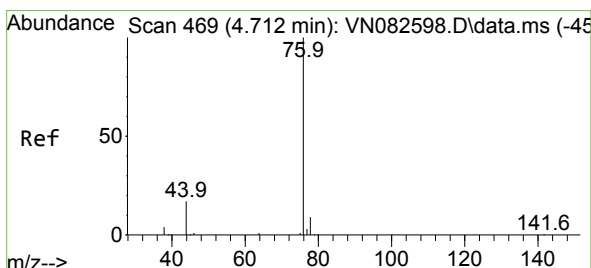
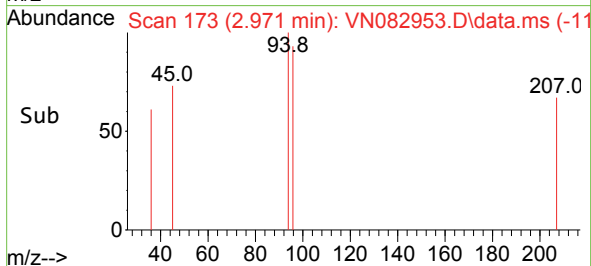
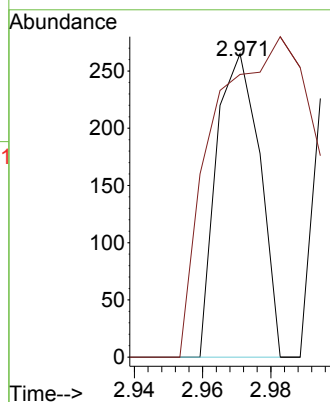
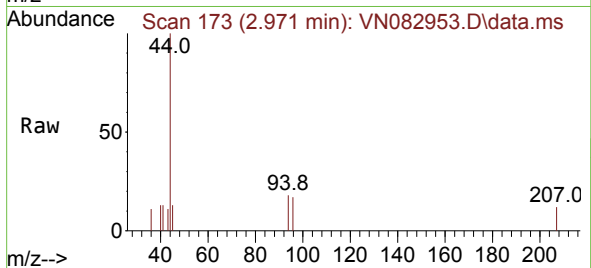




#5
Bromomethane
Concen: 0.293 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

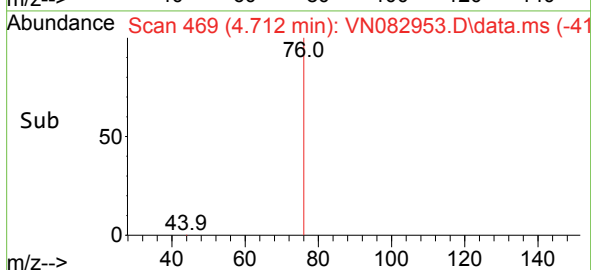
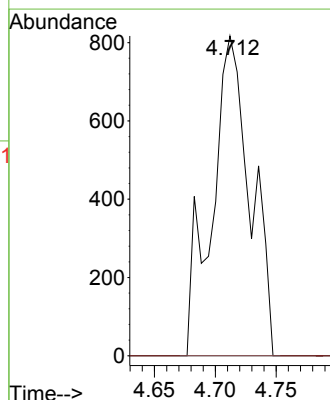
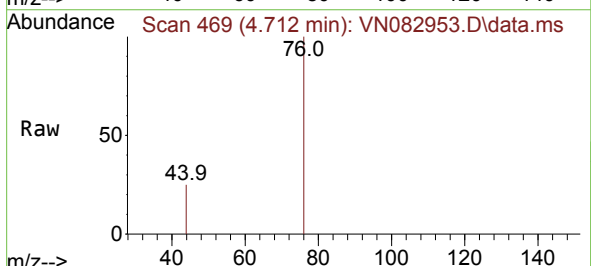
Instrument :
MSVOA_N
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VN0717MBL01

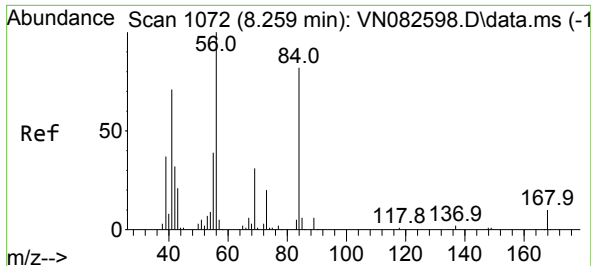
Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 93.2 78.0 117.0



#17
Carbon Disulfide
Concen: 0.691 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

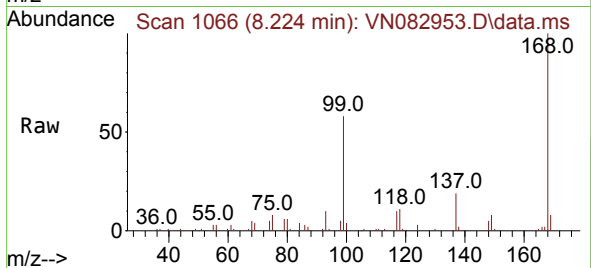
Tgt Ion: 76 Resp: 1808
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



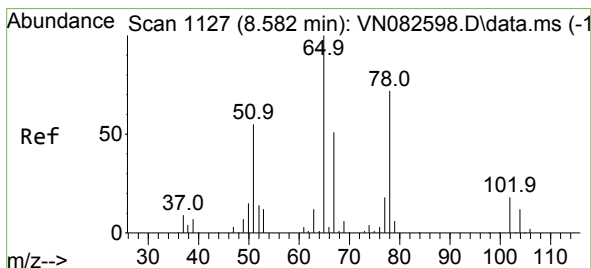
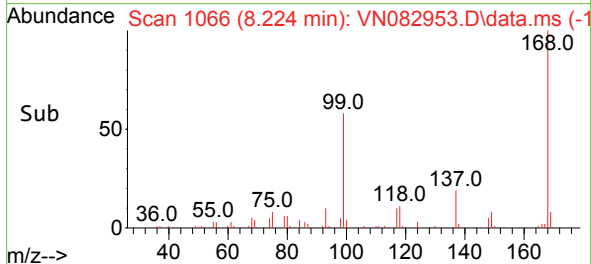
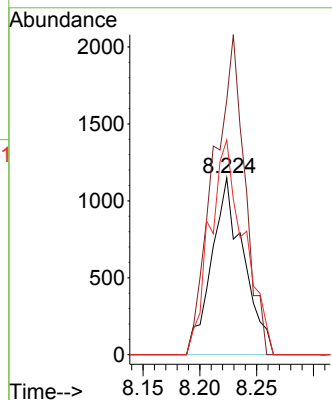


#31
Cyclohexane
Concen: 1.433 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBL01

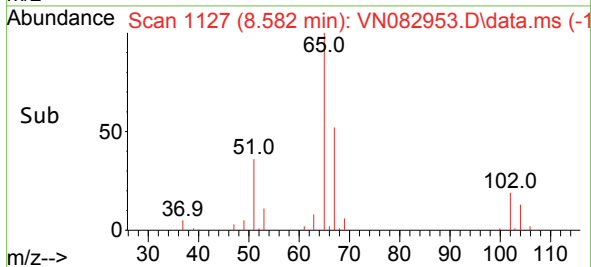
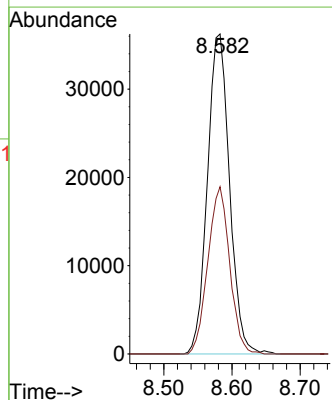
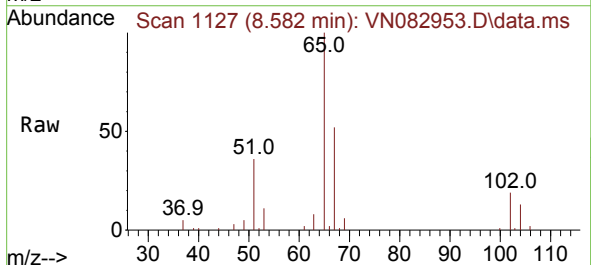


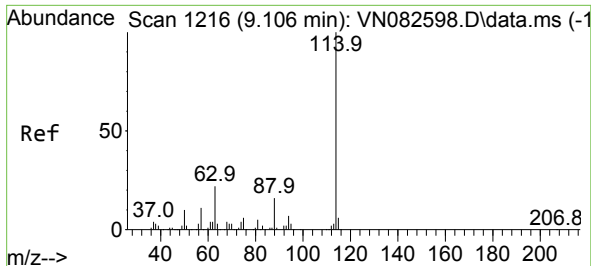
Tgt Ion: 56 Resp: 2252
Ion Ratio Lower Upper
56 100
69 144.0 24.5 36.7#
84 121.5 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 68.073 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

Tgt Ion: 65 Resp: 81838
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.4

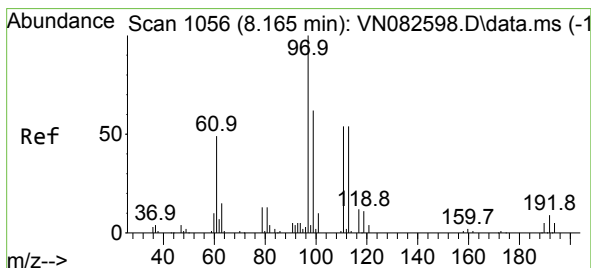
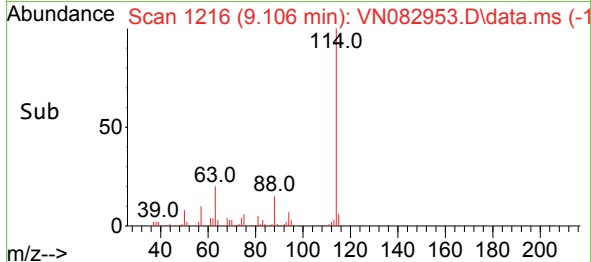
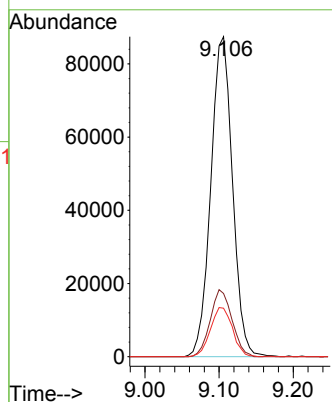
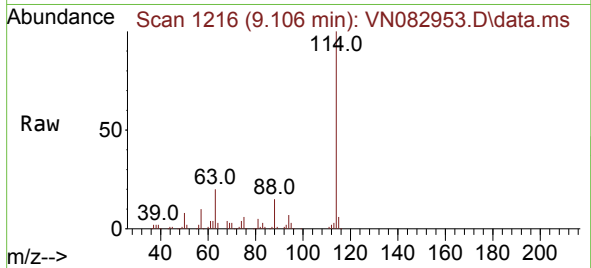




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

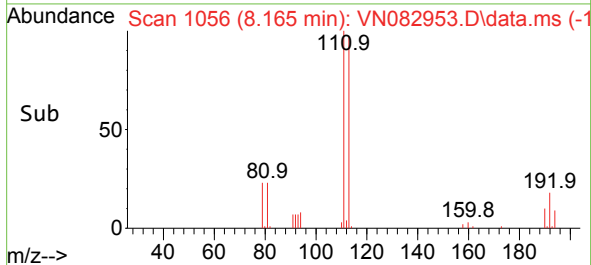
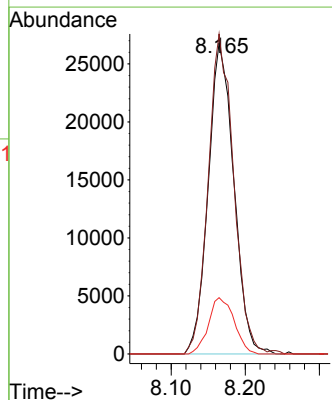
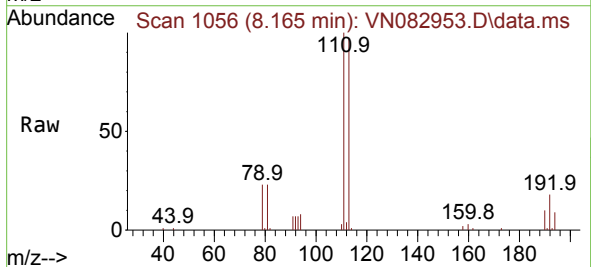
Instrument :
MSVOA_N
ClientSampleId :
VN0717MBL01

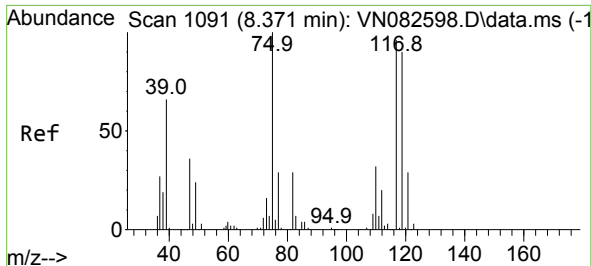
Tgt Ion:114 Resp: 177601
Ion Ratio Lower Upper
114 100
63 19.7 0.0 44.6
88 15.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 56.399 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

Tgt Ion:113 Resp: 64274
Ion Ratio Lower Upper
113 100
111 102.5 82.4 123.6
192 18.2 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.957 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN082953.D

Acq: 17 Jul 2024 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBL01

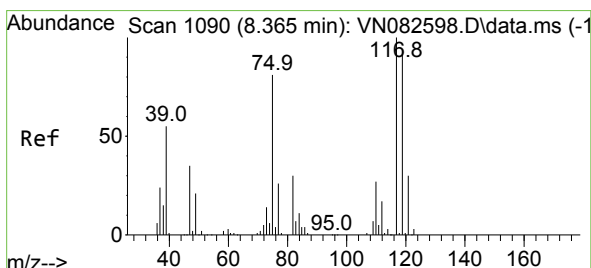
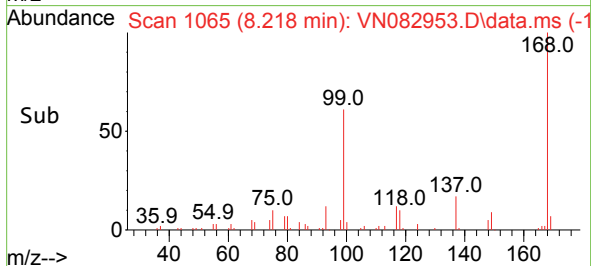
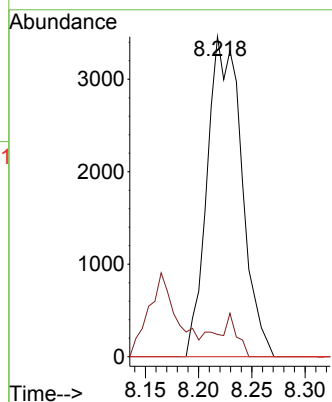
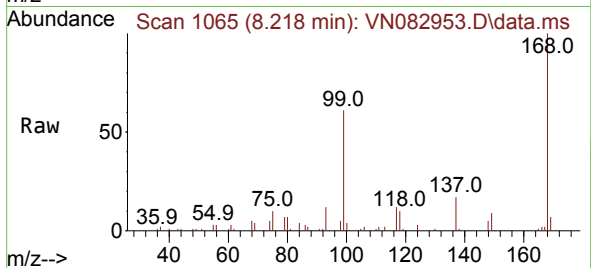
Tgt Ion: 75 Resp: 7789

Ion Ratio Lower Upper

75 100

110 3.9 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.022 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082953.D

Acq: 17 Jul 2024 10:46

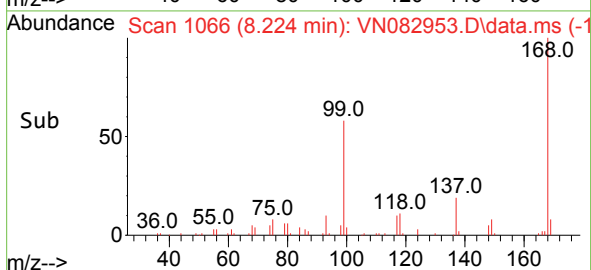
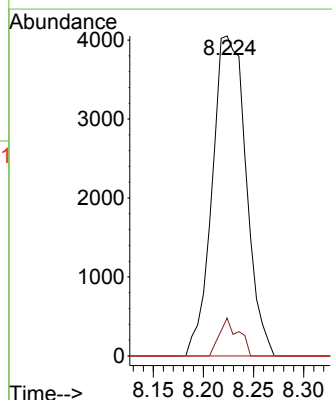
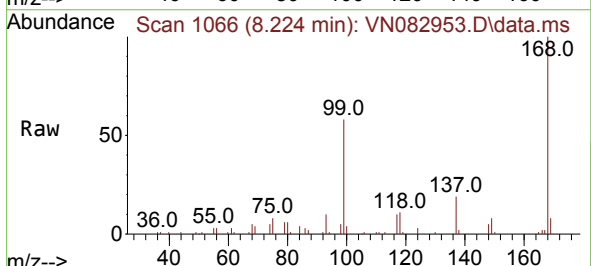
Tgt Ion: 117 Resp: 9501

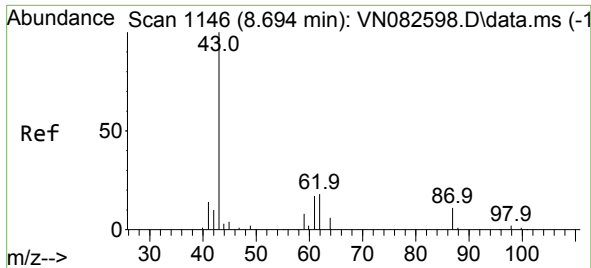
Ion Ratio Lower Upper

117 100

119 11.8 74.9 112.3#

121 0.0 24.3 36.5#

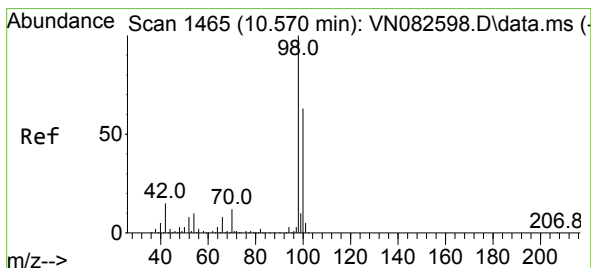
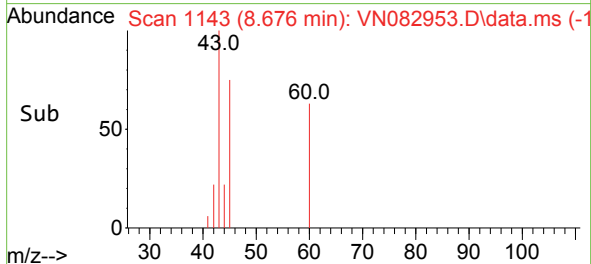
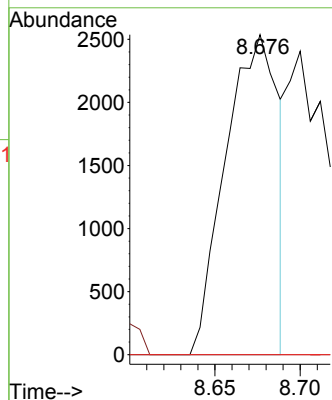
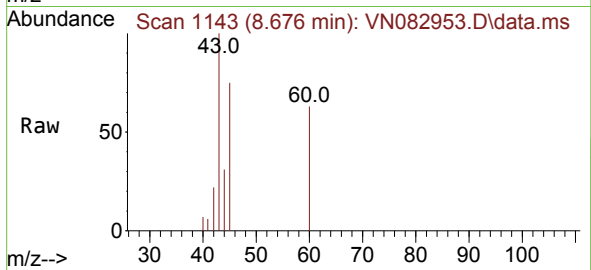




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.676 min Scan# 1143
Delta R.T. -0.018 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

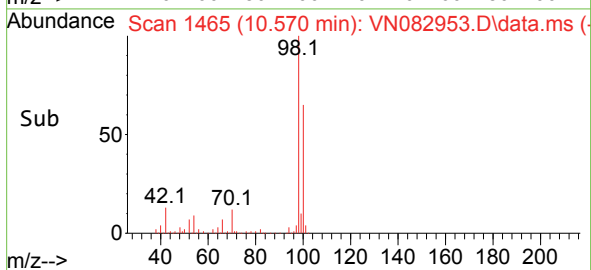
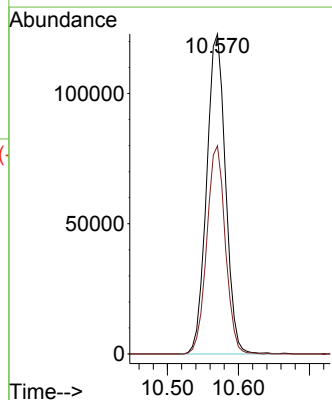
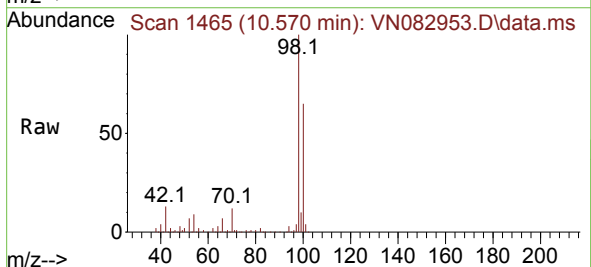
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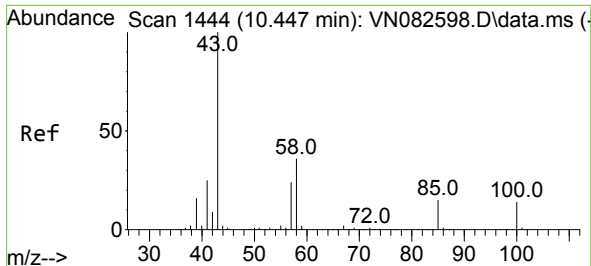
Tgt Ion: 43 Resp: 5452
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 53.976 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

Tgt Ion: 98 Resp: 227193
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3

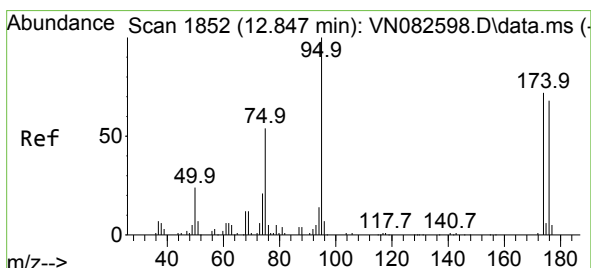
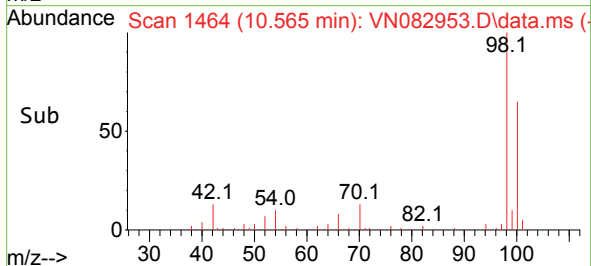
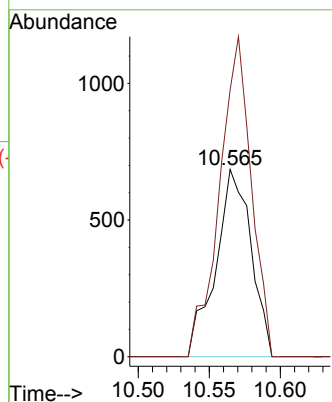
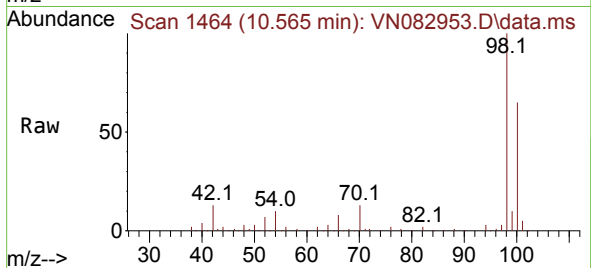




#51
4-Methyl-2-Pentanone
Concen: 0.745 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

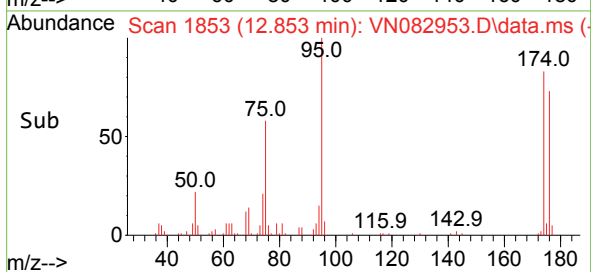
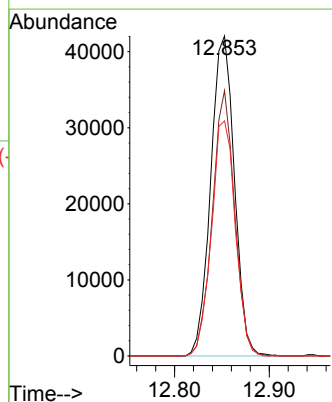
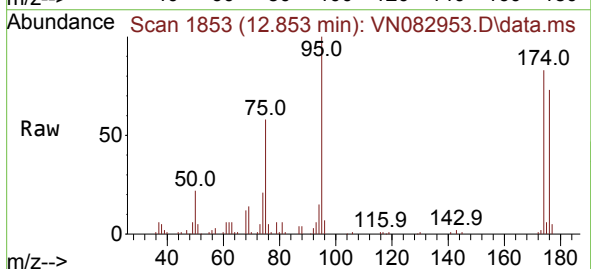
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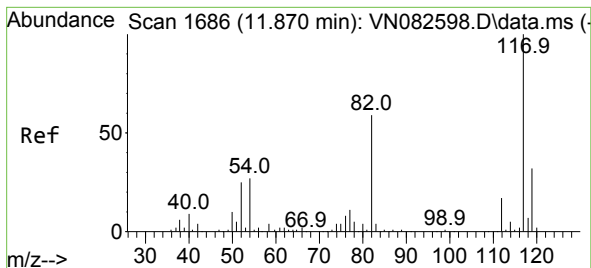
Tgt Ion: 43 Resp: 1181
Ion Ratio Lower Upper
43 100
58 154.4 28.2 42.4#



#62
4-Bromofluorobenzene
Concen: 48.250 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

Tgt Ion: 95 Resp: 72953
Ion Ratio Lower Upper
95 100
174 78.4 0.0 159.2
176 74.1 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082953.D

Acq: 17 Jul 2024 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBL01

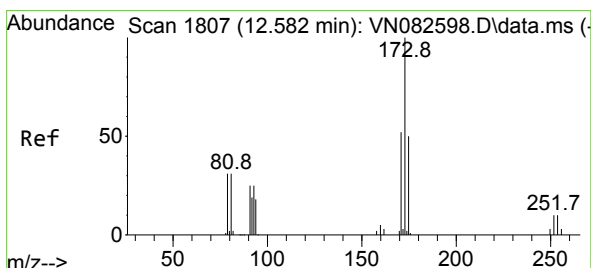
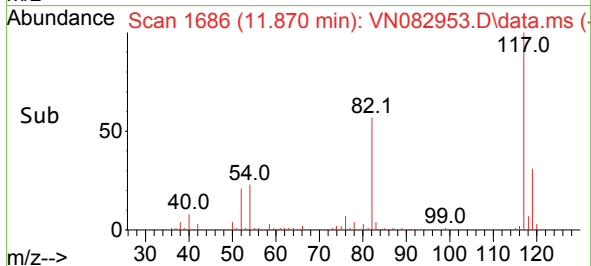
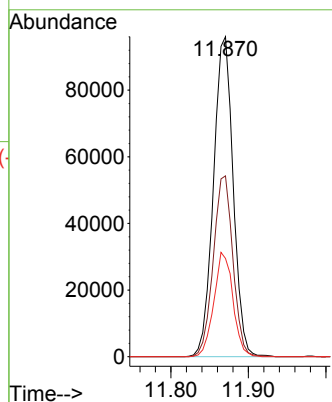
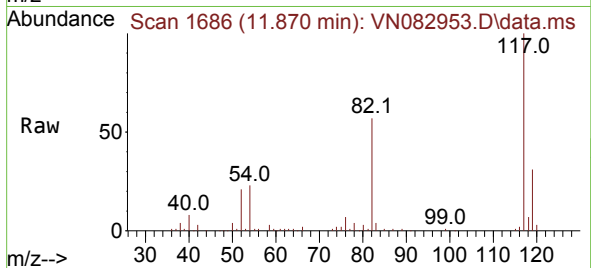
Tgt Ion:117 Resp: 169974

Ion Ratio Lower Upper

117 100

82 56.5 47.5 71.3

119 30.7 25.6 38.4



#71

Bromoform

Concen: 0.823 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN082953.D

Acq: 17 Jul 2024 10:46

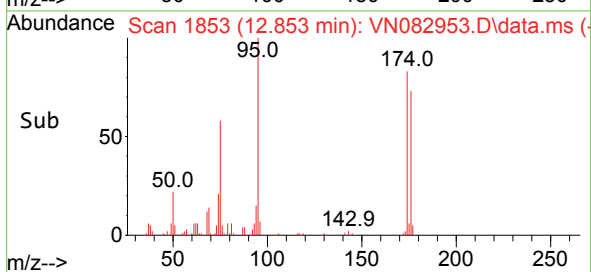
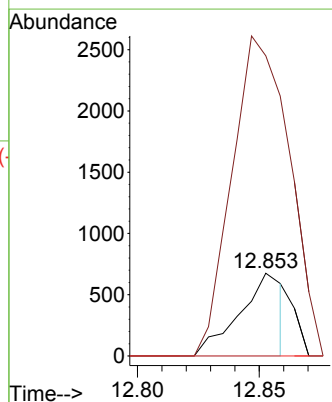
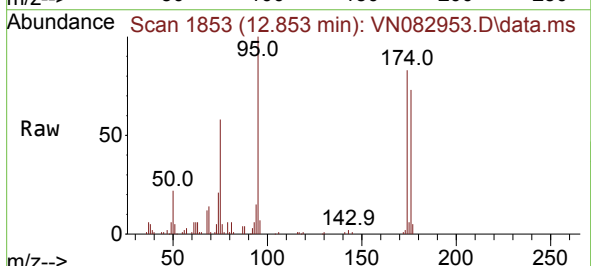
Tgt Ion:173 Resp: 839

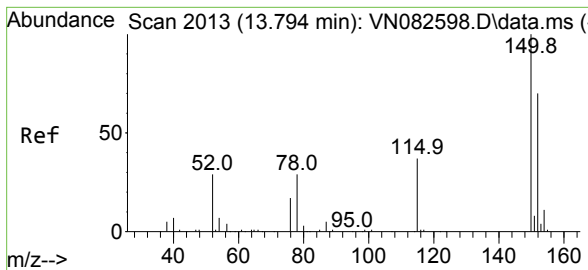
Ion Ratio Lower Upper

173 100

175 429.4 24.0 72.0#

254 0.0 0.0 0.0

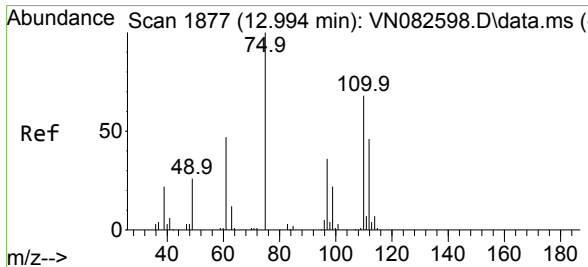
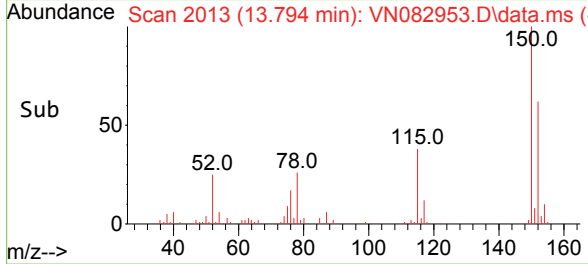
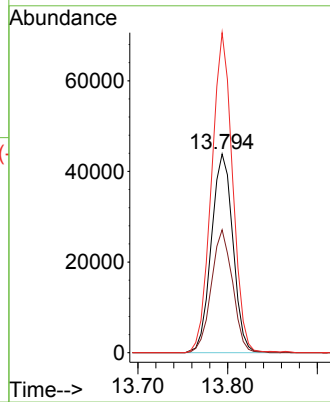
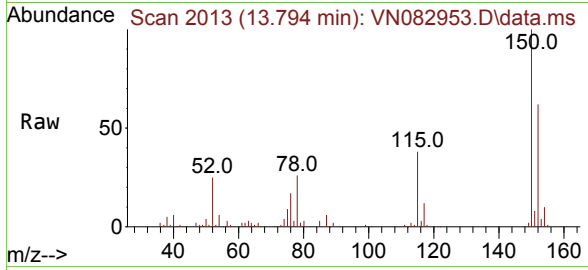




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082953.D
 Acq: 17 Jul 2024 10:46

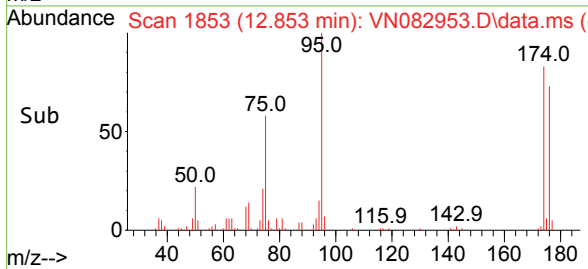
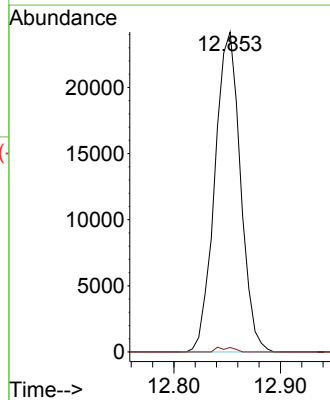
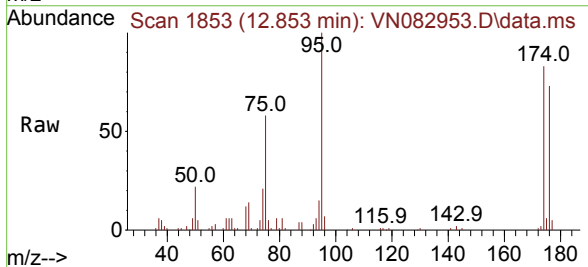
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717MBL01

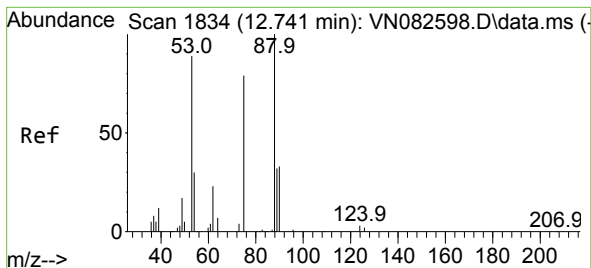
Tgt Ion:152 Resp: 73305
 Ion Ratio Lower Upper
 152 100
 115 60.7 30.6 91.6
 150 157.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 31.963 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN082953.D
 Acq: 17 Jul 2024 10:46

Tgt Ion: 75 Resp: 40396
 Ion Ratio Lower Upper
 75 100
 77 1.0 110.9 332.6#

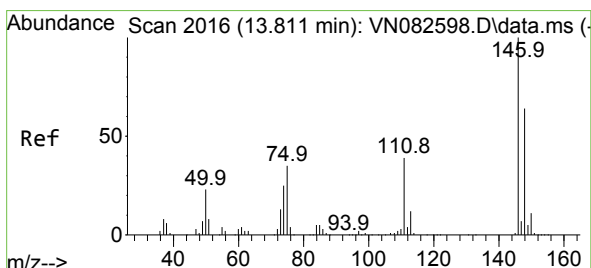
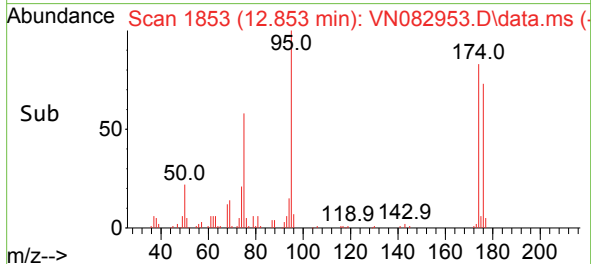
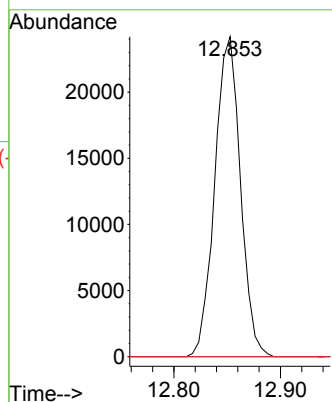
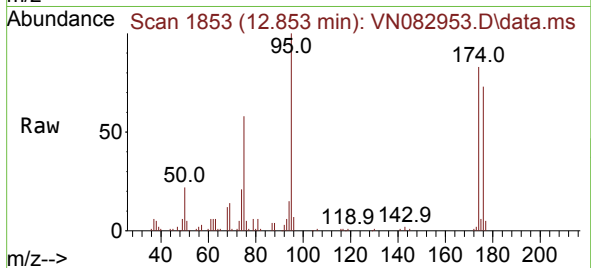




#81
trans-1,4-Dichloro-2-butene
Concen: 62.863 ug/l
RT: 12.853 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

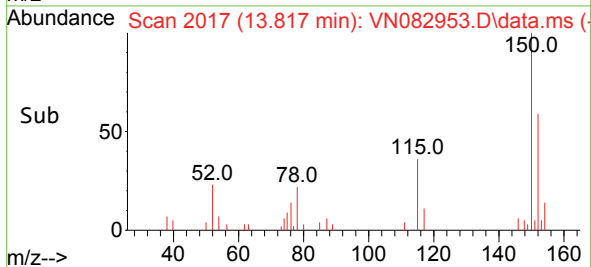
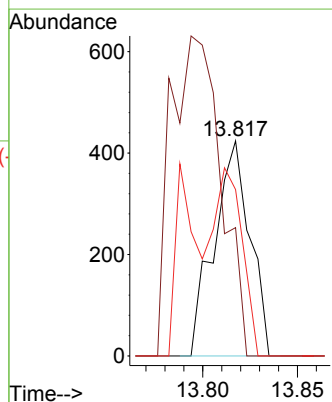
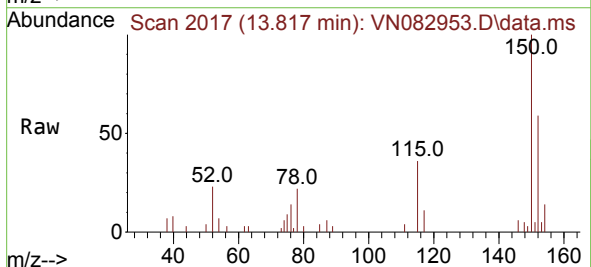
Instrument :
MSVOA_N
ClientSampleId :
VN0717MBL01

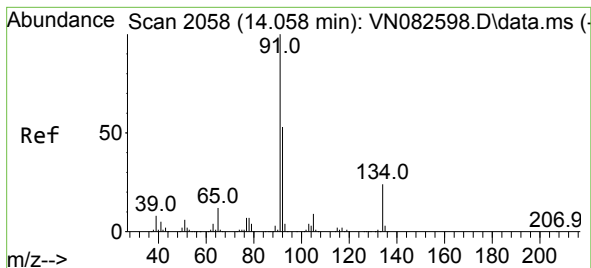
Tgt Ion: 75 Resp: 40396
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: 0.217 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

Tgt Ion:146 Resp: 558
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 70.4 32.2 96.6





#89

n-Butylbenzene

Concen: 0.304 ug/l

RT: 14.058 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN082953.D

Acq: 17 Jul 2024 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBL01

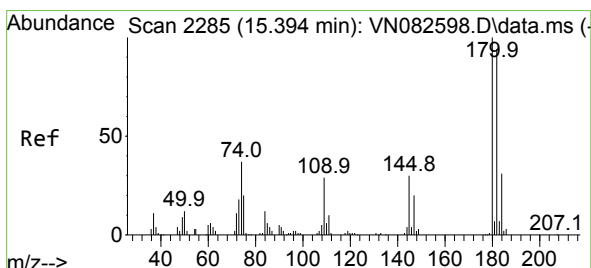
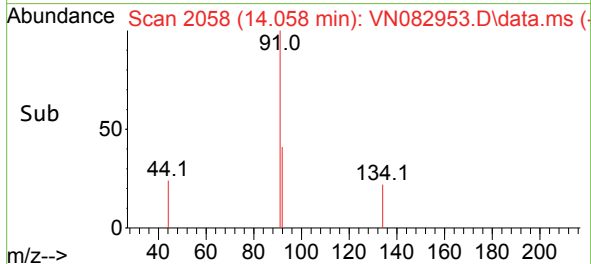
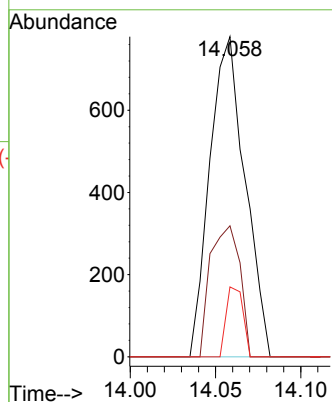
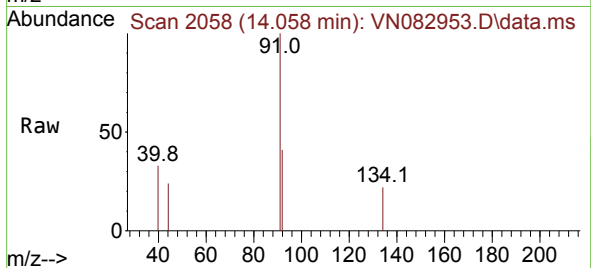
Tgt Ion: 91 Resp: 1121

Ion Ratio Lower Upper

91 100

92 34.3 26.1 78.3

134 10.3 12.1 36.3#



#93

1,2,4-Trichlorobenzene

Concen: 0.348 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.000 min

Lab File: VN082953.D

Acq: 17 Jul 2024 10:46

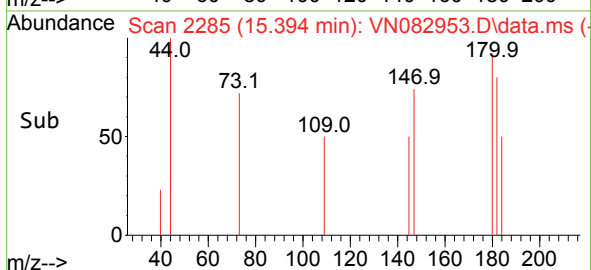
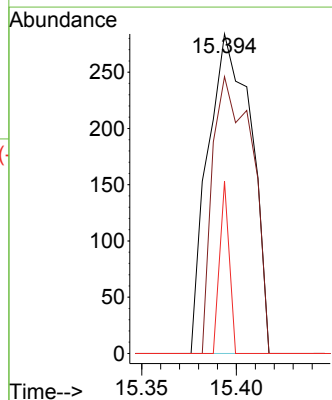
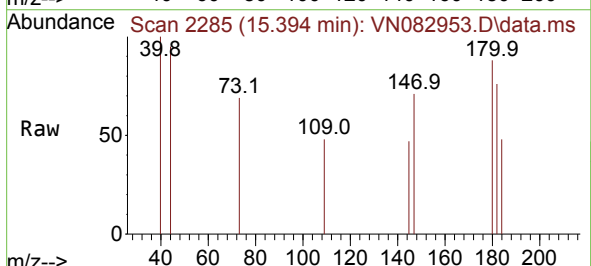
Tgt Ion: 180 Resp: 452

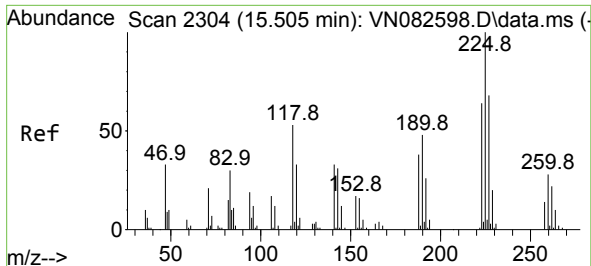
Ion Ratio Lower Upper

180 100

182 78.8 47.3 141.8

145 11.9 15.7 47.1#

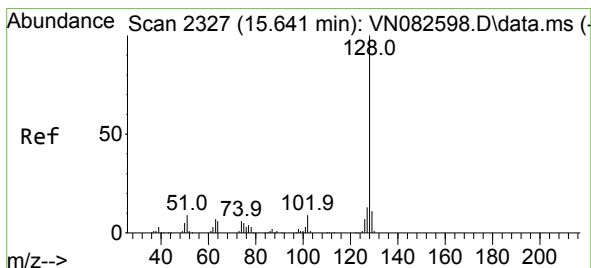
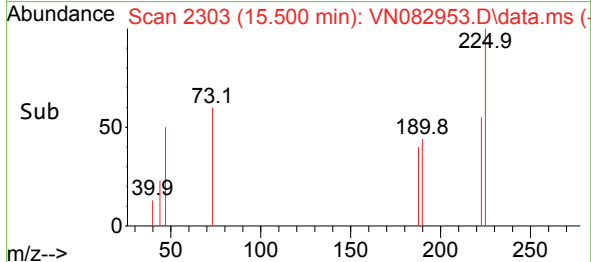
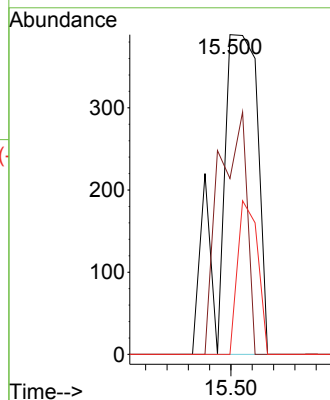
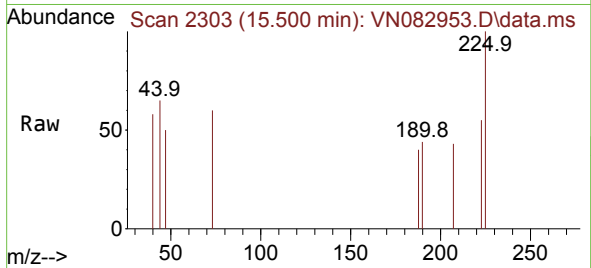




#94
Hexachlorobutadiene
Concen: 0.832 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

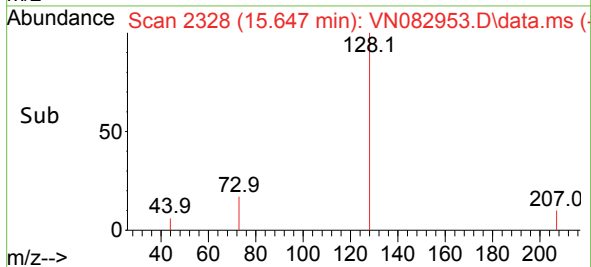
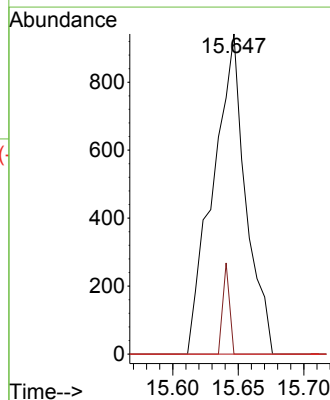
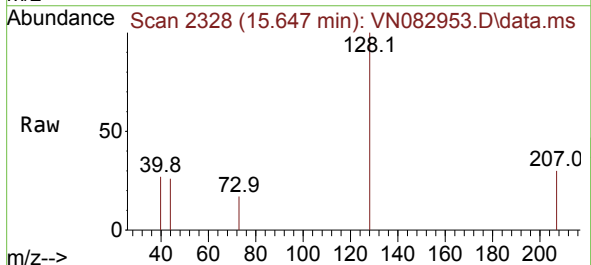
Instrument :
MSVOA_N
ClientSampleId :
VN0717MBL01

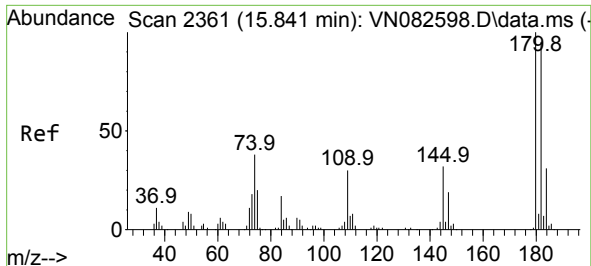
Tgt Ion:225 Resp: 479
Ion Ratio Lower Upper
225 100
223 55.7 31.9 95.7
227 25.5 32.5 97.5#



#95
Naphthalene
Concen: 0.369 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN082953.D
Acq: 17 Jul 2024 10:46

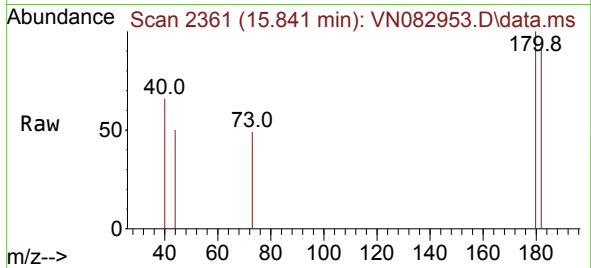
Tgt Ion:128 Resp: 1639
Ion Ratio Lower Upper
128 100
127 5.8 10.6 16.0#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.464 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN082953.D
 Acq: 17 Jul 2024 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717MBL01



Tgt Ion:	180	Resp:	619
Ion	Ratio	Lower	Upper
180	100		
182	81.3	48.9	146.8
145	17.8	16.8	50.4

