

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032624\
 Data File : VN081574.D
 Acq On : 26 Mar 2024 12:29
 Operator : JC\MD
 Sample : VN0326MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326MBL01

Quant Time: Mar 27 04:34:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

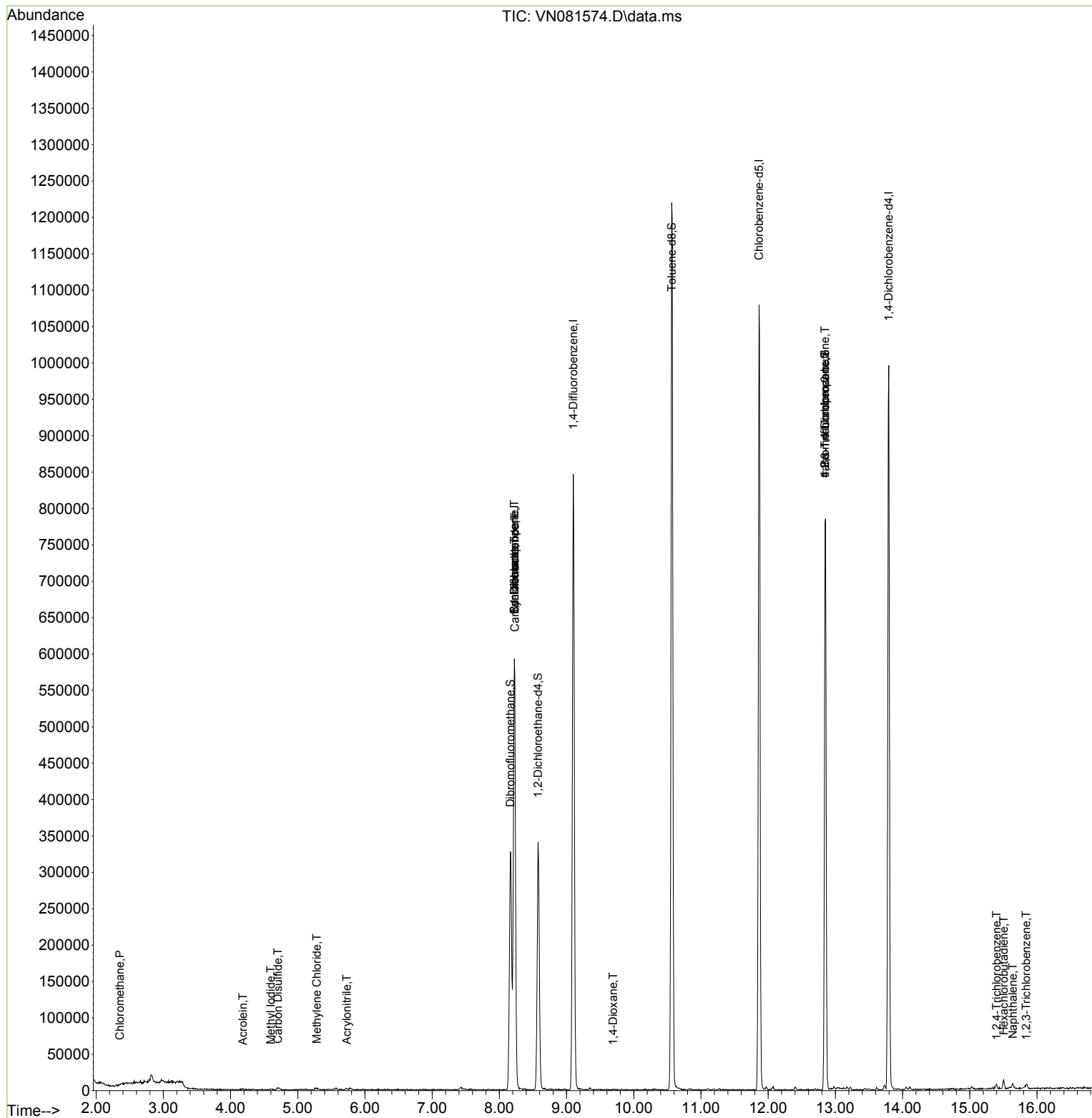
Internal Standards						
1) Pentafluorobenzene	8.224	168	434520	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	752130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	652876	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	270445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	268219	48.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	=	96.800%	
35) Dibromofluoromethane	8.165	113	234180	49.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	98.680%	
50) Toluene-d8	10.565	98	870084	50.708	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	=	101.420%	
62) 4-Bromofluorobenzene	12.847	95	275886	45.630	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery	=	91.260%	
Target Compounds			Qvalue			
3) Chloromethane	2.353	50	1277	0.219	ug/l	89
10) Methyl Iodide	4.600	142	2441	0.443	ug/l #	76
13) Acrolein	4.183	56	853	0.984	ug/l	89
15) Acrylonitrile	5.730	53	1397	0.541	ug/l #	76
17) Carbon Disulfide	4.706	76	4027	0.274	ug/l	98
20) Methylene Chloride	5.283	84	1643	0.280	ug/l #	45
31) Cyclohexane	8.224	56	9603	1.065	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	35771	4.478	ug/l #	51
38) Carbon Tetrachloride	8.229	117	46700	5.337	ug/l #	17
49) 1,4-Dioxane	9.694	88	119	0.947	ug/l #	18
76) 1,2,3-Trichloropropane	12.847	75	142983	22.102	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	142983	59.727	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.400	180	2056	0.353	ug/l	79
94) Hexachlorobutadiene	15.505	225	2353	0.921	ug/l	97
95) Naphthalene	15.641	128	8678	0.460	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	2325	0.397	ug/l	77

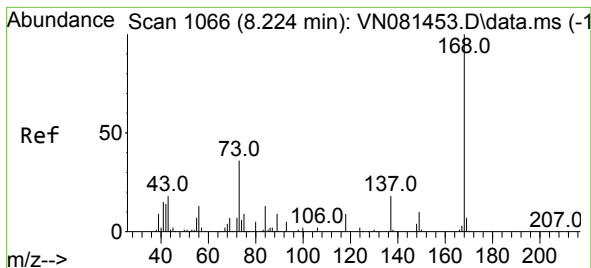
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 27 04:34:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 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: VN081574.D

Acq: 26 Mar 2024 12:29

Instrument :

MSVOA_N

ClientSampleId :

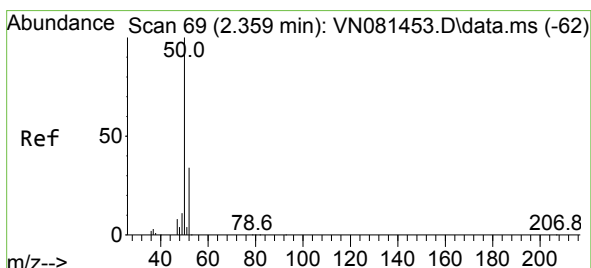
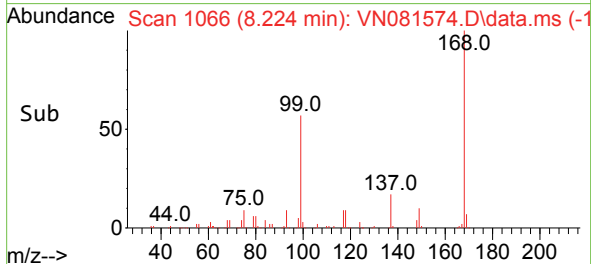
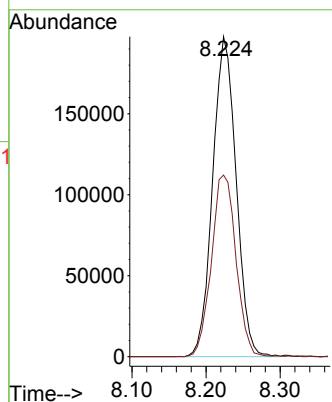
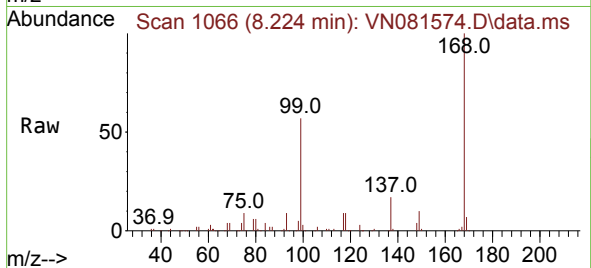
VN0326MBL01

Tgt Ion:168 Resp: 434520

Ion Ratio Lower Upper

168 100

99 56.6 59.9 89.9#



#3

Chloromethane

Concen: 0.219 ug/l

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN081574.D

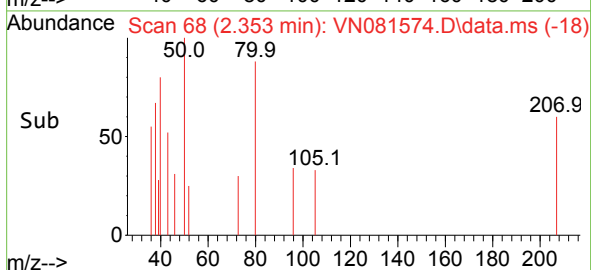
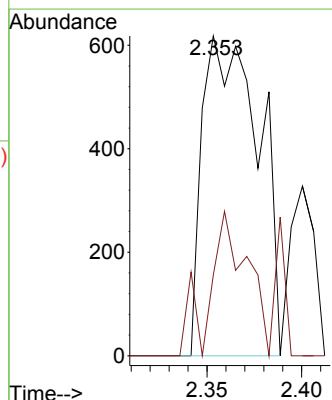
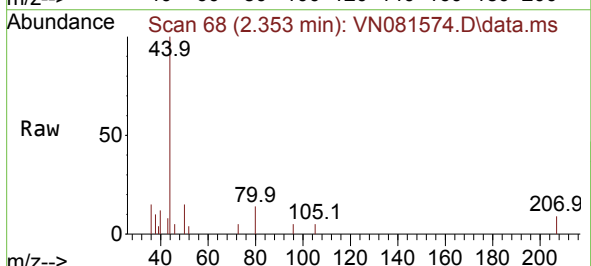
Acq: 26 Mar 2024 12:29

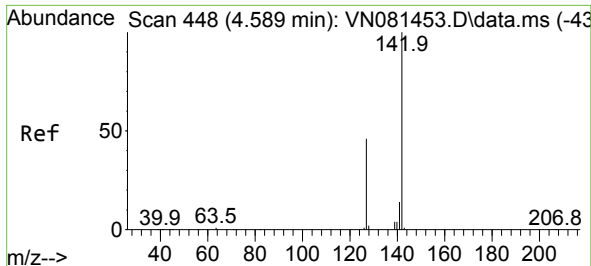
Tgt Ion: 50 Resp: 1277

Ion Ratio Lower Upper

50 100

52 25.2 25.0 37.4

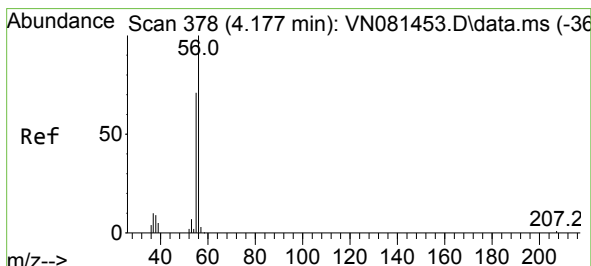
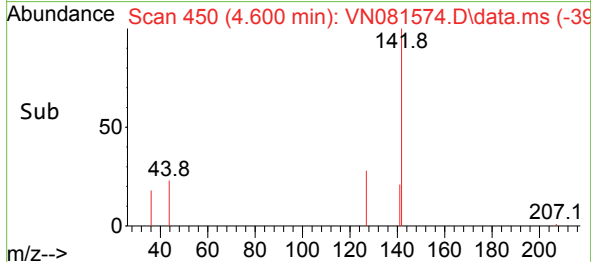
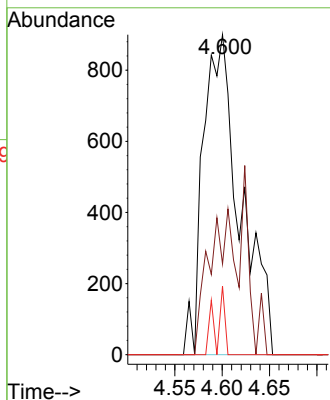
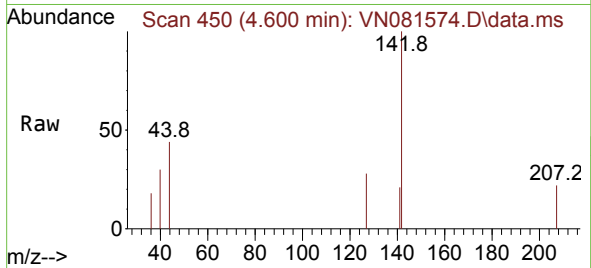




#10
Methyl Iodide
Concen: 0.443 ug/l
RT: 4.600 min Scan# 448
Delta R.T. 0.012 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

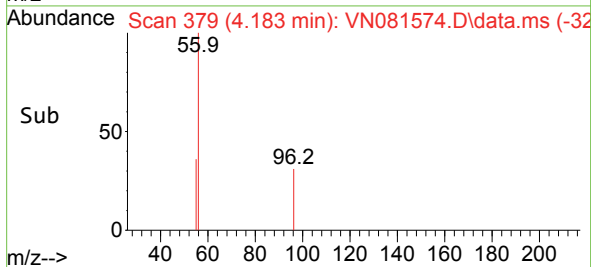
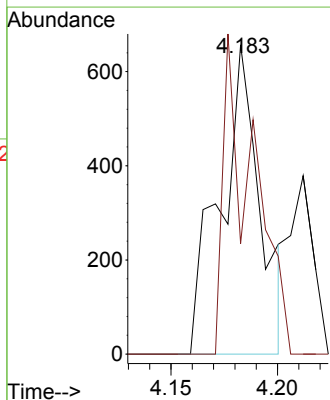
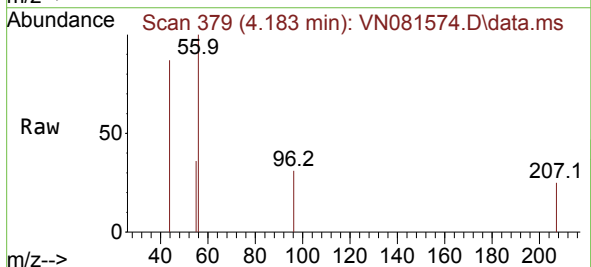
Instrument :
MSVOA_N
ClientSampleId :
VN0326MBL01

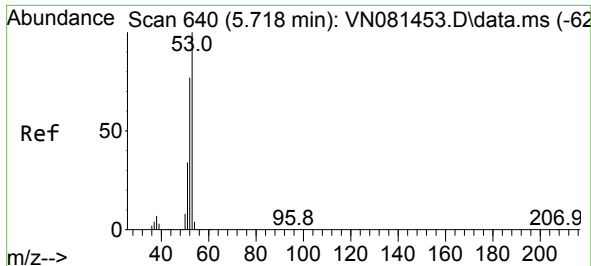
Tgt Ion:142 Resp: 2441
Ion Ratio Lower Upper
142 100
127 28.3 37.0 55.4#
141 21.4 12.5 18.7#



#13
Acrolein
Concen: 0.984 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

Tgt Ion: 56 Resp: 853
Ion Ratio Lower Upper
56 100
55 78.0 55.3 82.9

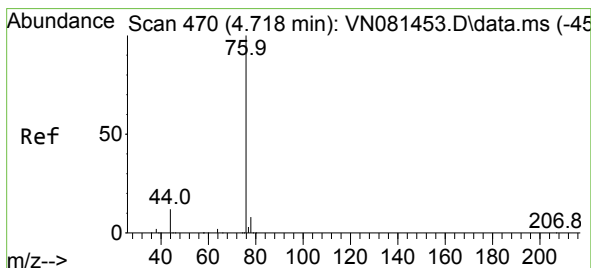
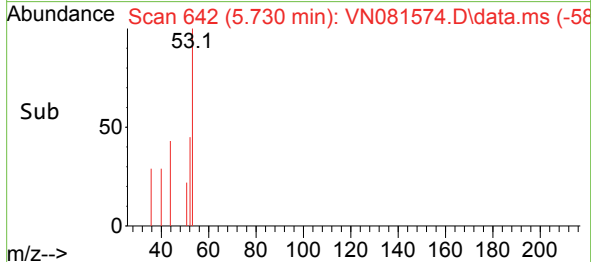
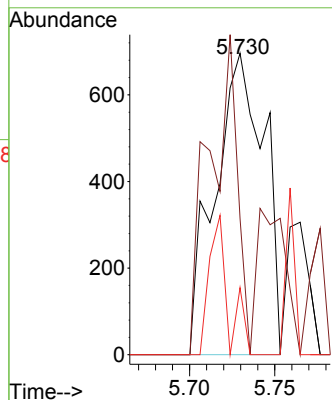
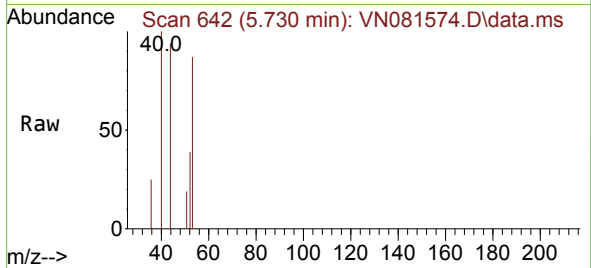




#15
Acrylonitrile
Concen: 0.541 ug/l
RT: 5.730 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

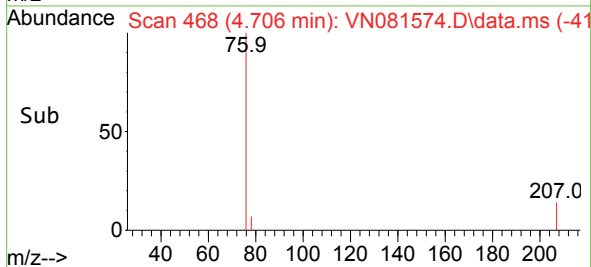
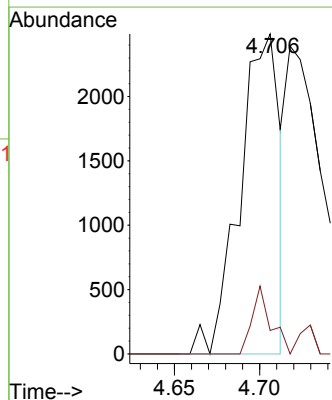
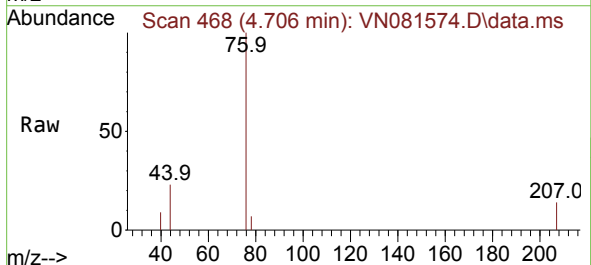
Instrument :
MSVOA_N
ClientSampleId :
VN0326MBL01

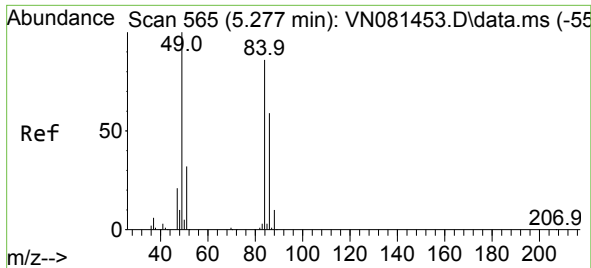
Tgt Ion: 53 Resp: 1397
Ion Ratio Lower Upper
53 100
52 60.5 64.8 97.2#
51 17.8 26.9 40.3#



#17
Carbon Disulfide
Concen: 0.274 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.012 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

Tgt Ion: 76 Resp: 4027
Ion Ratio Lower Upper
76 100
78 7.4 6.3 9.5

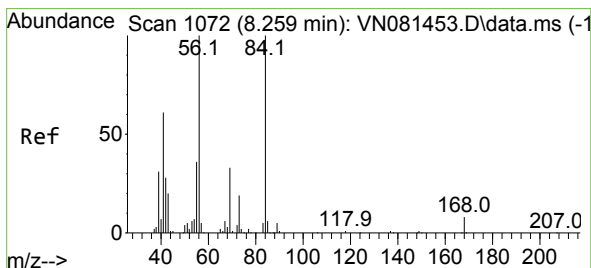
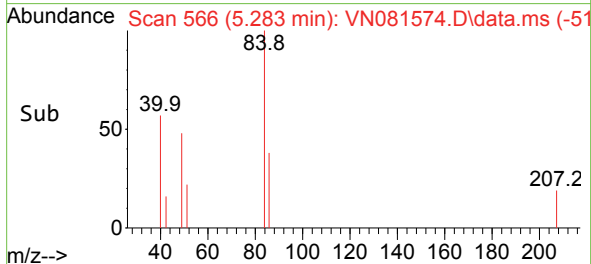
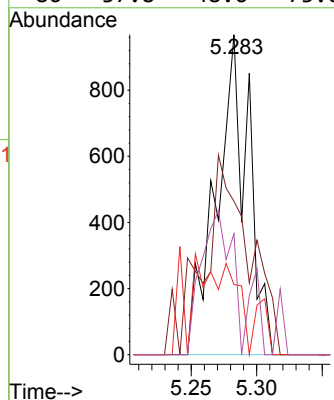
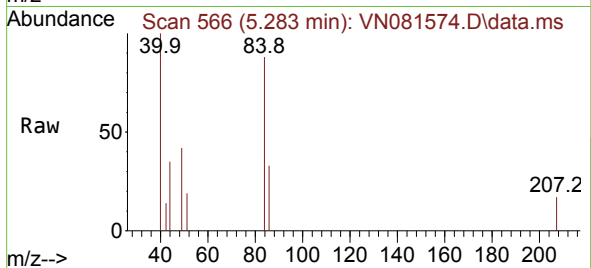




#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

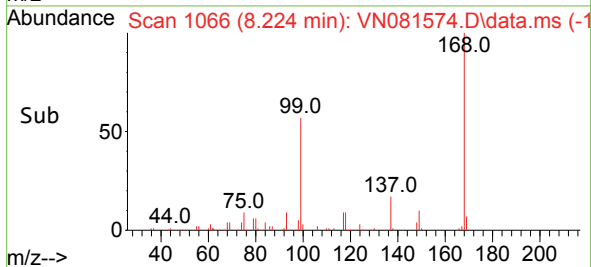
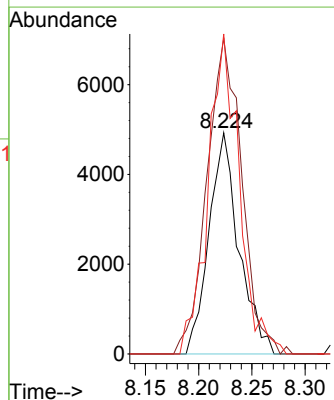
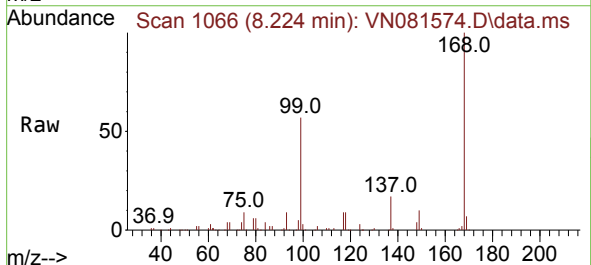
Instrument :
MSVOA_N
ClientSampleId :
VN0326MBL01

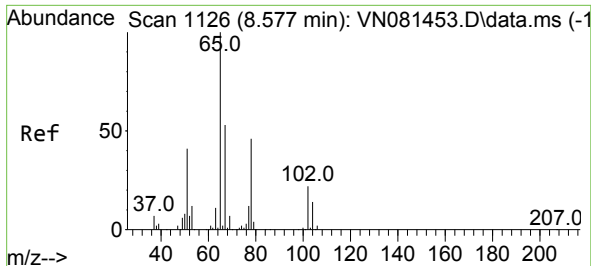
Tgt Ion:	84	Resp:	1643
Ion	Ratio	Lower	Upper
84	100		
49	47.9	108.1	162.1#
51	21.9	32.9	49.3#
86	37.8	48.6	73.0#



#31
Cyclohexane
Concen: 1.065 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

Tgt Ion:	56	Resp:	9603
Ion	Ratio	Lower	Upper
56	100		
69	142.8	20.1	30.1#
84	144.7	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.404 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081574.D

Acq: 26 Mar 2024 12:29

Instrument :

MSVOA_N

ClientSampleId :

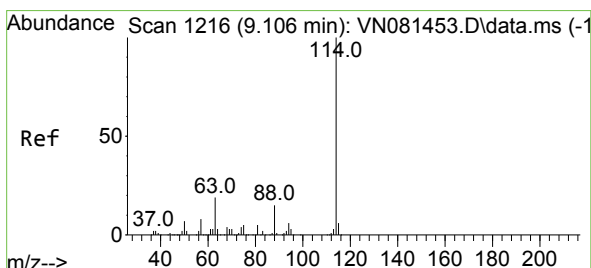
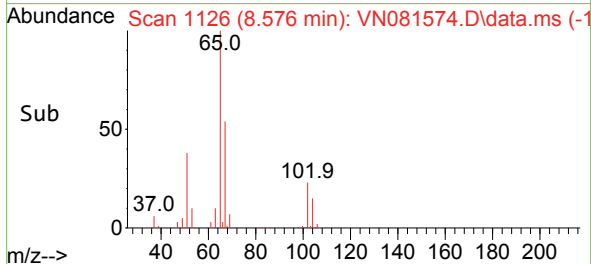
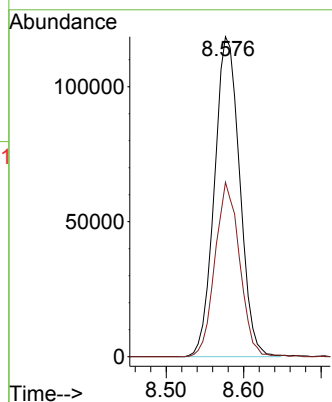
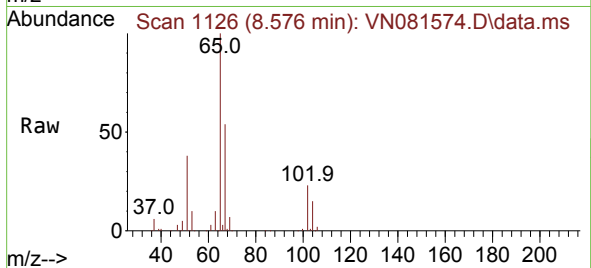
VN0326MBL01

Tgt Ion: 65 Resp: 268219

Ion Ratio Lower Upper

65 100

67 53.1 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081574.D

Acq: 26 Mar 2024 12:29

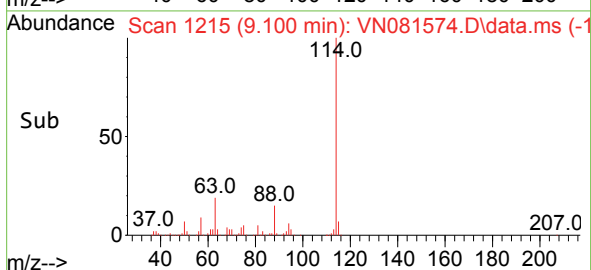
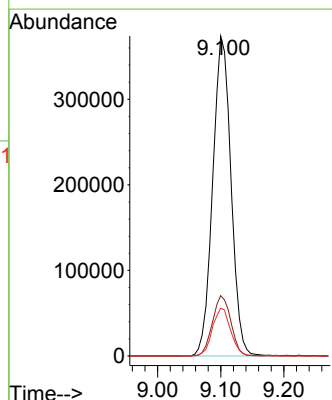
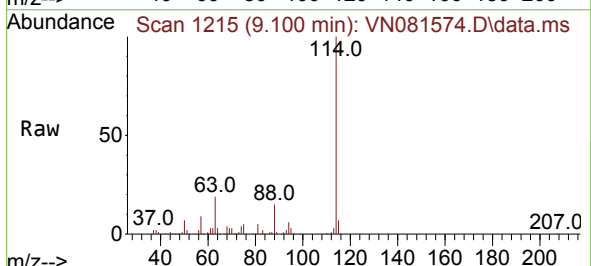
Tgt Ion: 114 Resp: 752130

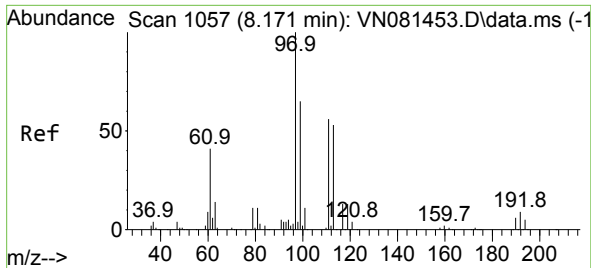
Ion Ratio Lower Upper

114 100

63 18.8 0.0 48.0

88 15.0 0.0 34.8

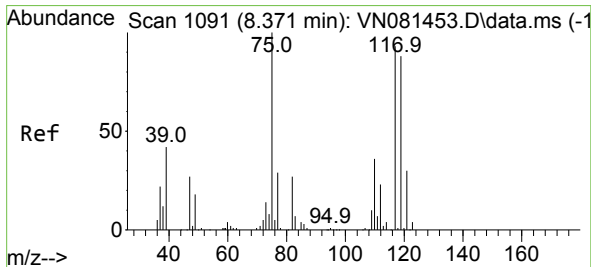
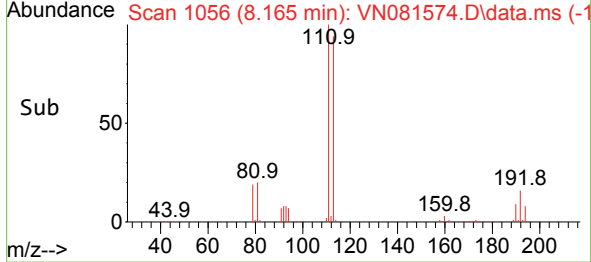
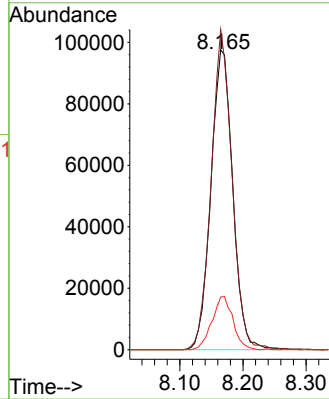
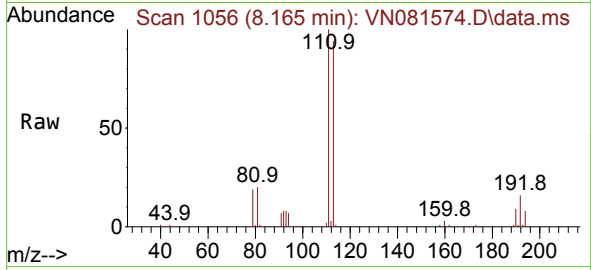




#35
Dibromofluoromethane
Concen: 49.335 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

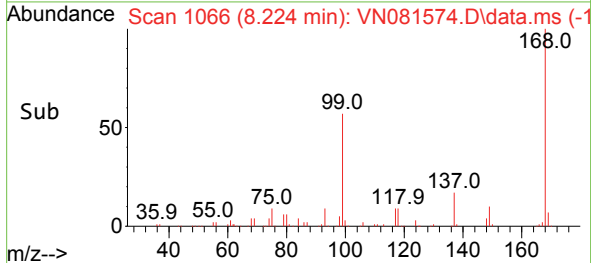
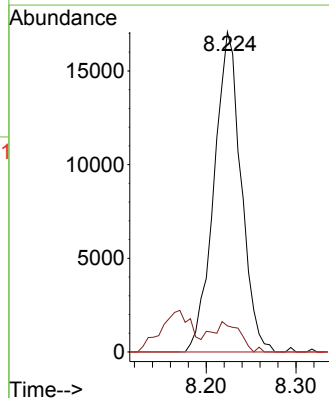
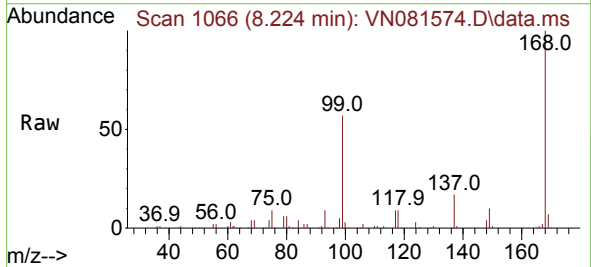
Instrument :
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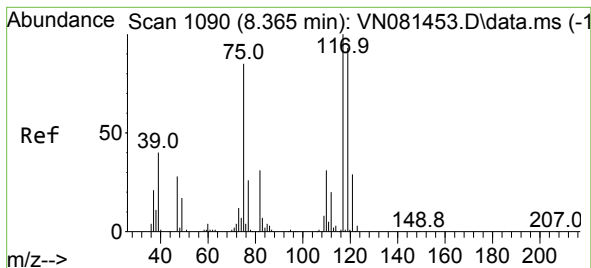
Tgt Ion:113 Resp: 234180
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 17.0 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.478 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

Tgt Ion: 75 Resp: 35771
Ion Ratio Lower Upper
75 100
110 10.0 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.337 ug/l

RT: 8.229 min Scan# 117

Delta R.T. -0.135 min

Lab File: VN081574.D

Acq: 26 Mar 2024 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN0326MBL01

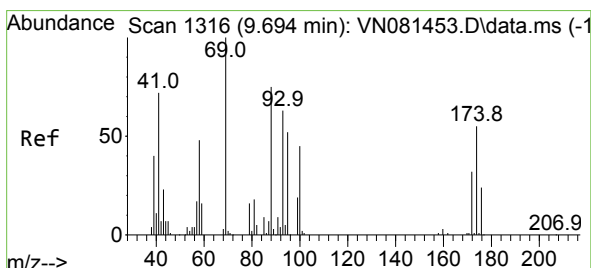
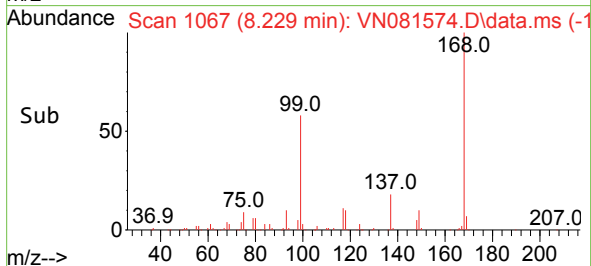
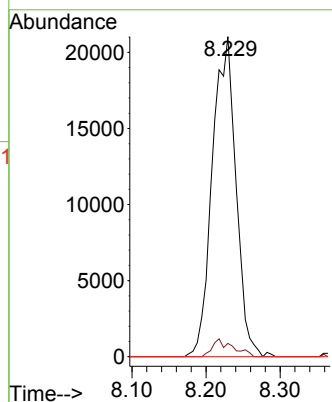
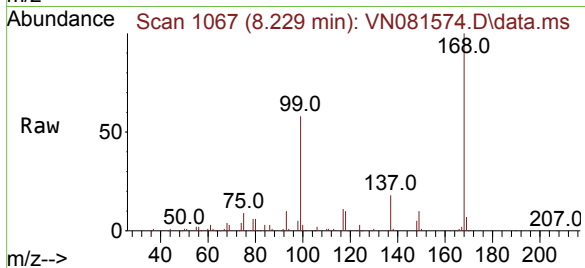
Tgt Ion:117 Resp: 46700

Ion Ratio Lower Upper

117 100

119 4.1 73.4 110.2#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: 0.947 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN081574.D

Acq: 26 Mar 2024 12:29

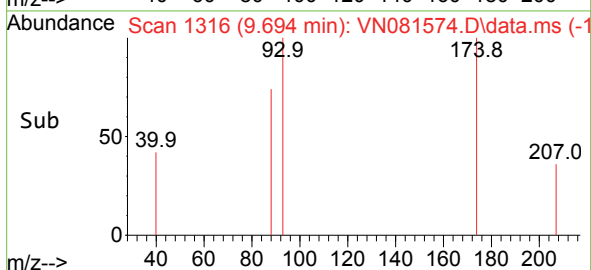
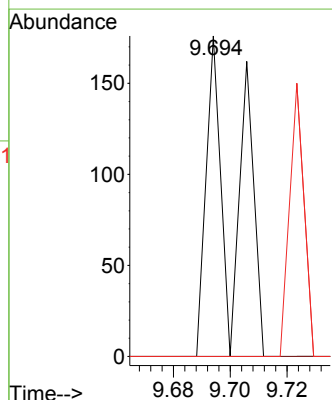
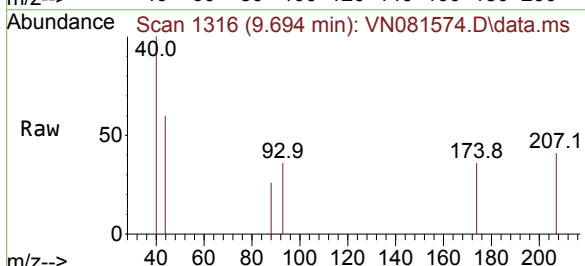
Tgt Ion: 88 Resp: 119

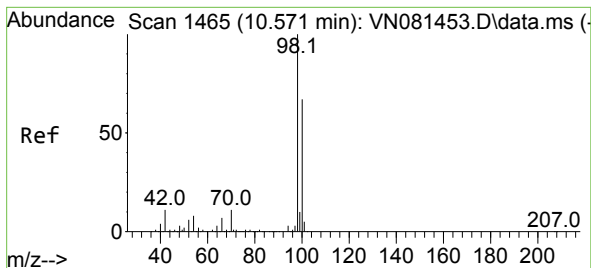
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#

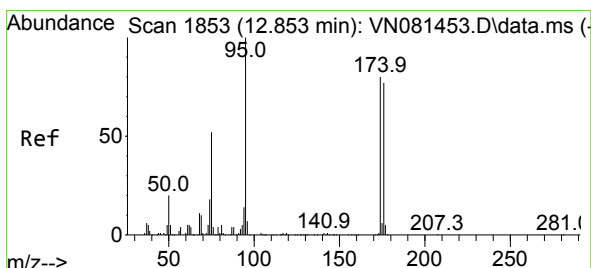
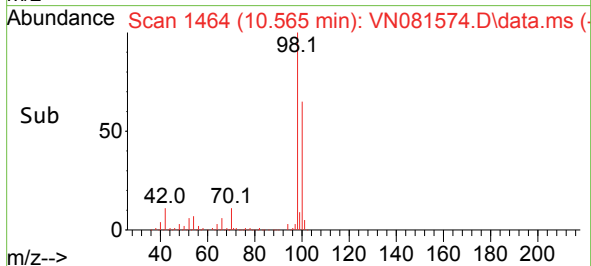
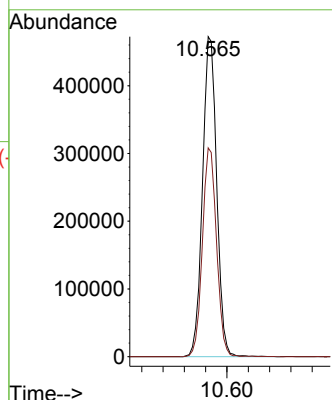
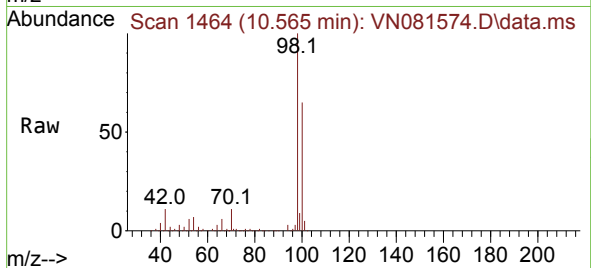




#50
Toluene-d8
Concen: 50.708 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

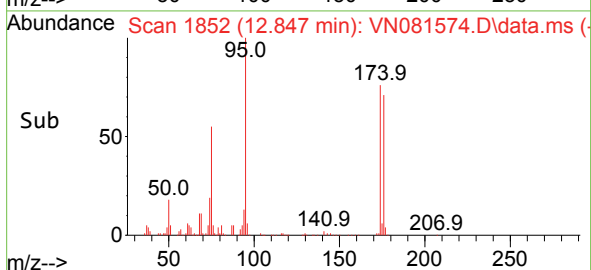
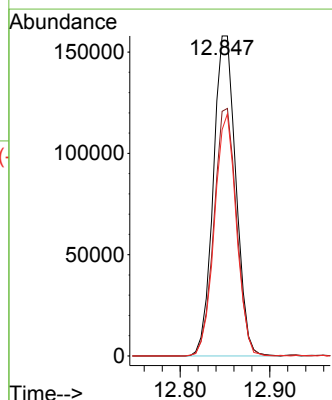
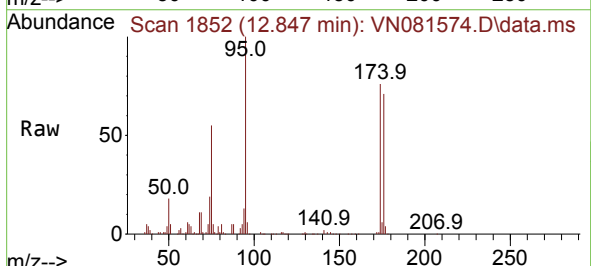
Instrument :
MSVOA_N
ClientSampleId :
VN0326MBL01

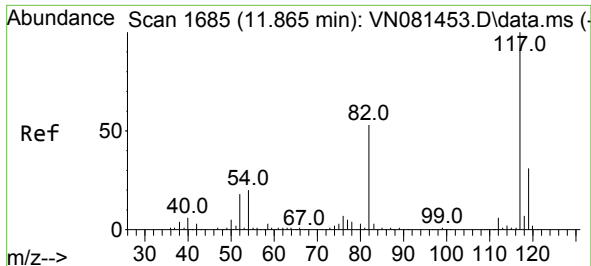
Tgt Ion: 98 Resp: 870084
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.630 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

Tgt Ion: 95 Resp: 275886
Ion Ratio Lower Upper
95 100
174 77.6 0.0 120.4
176 73.4 0.0 121.0

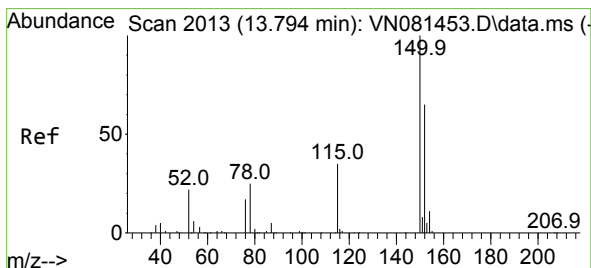
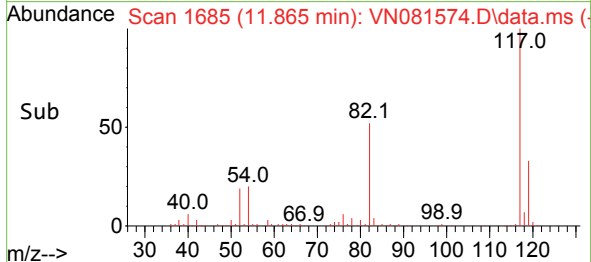
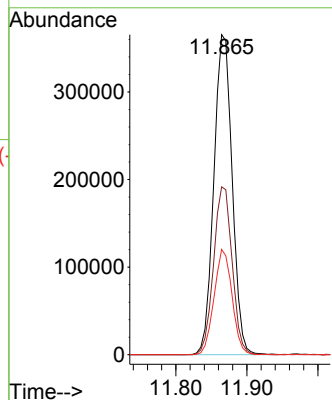
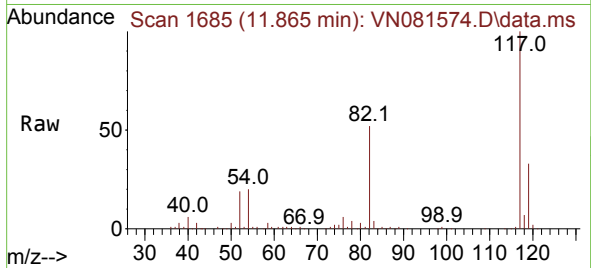




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

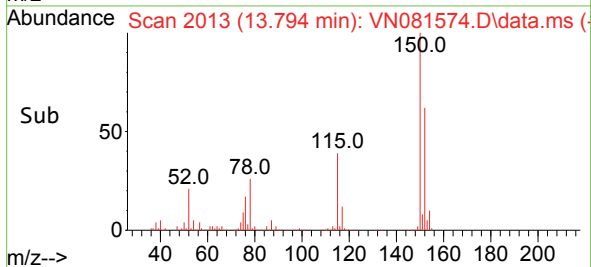
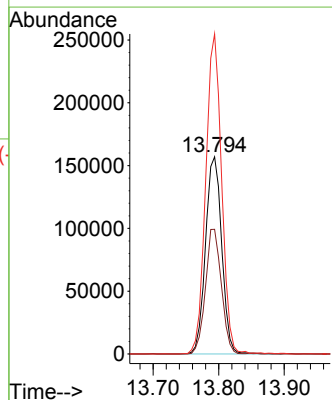
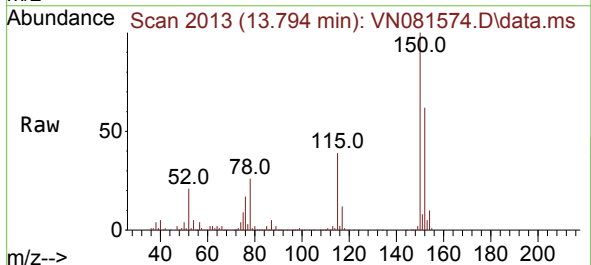
Instrument :
MSVOA_N
ClientSampleId :
VN0326MBL01

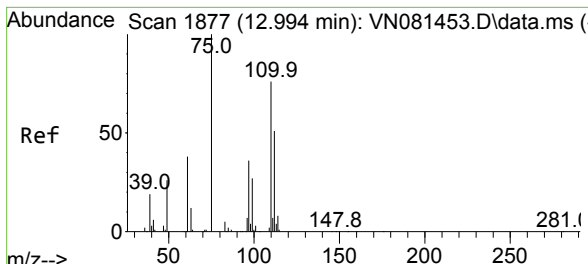
Tgt Ion:117 Resp: 652876
Ion Ratio Lower Upper
117 100
82 52.5 52.7 79.1#
119 32.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

Tgt Ion:152 Resp: 270445
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 158.8 0.0 339.8



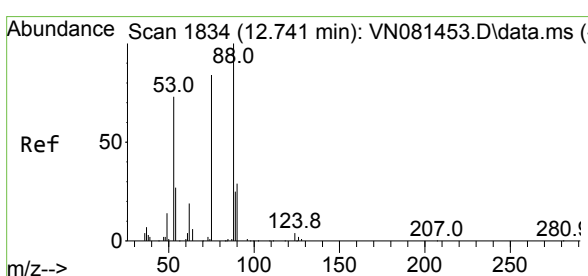
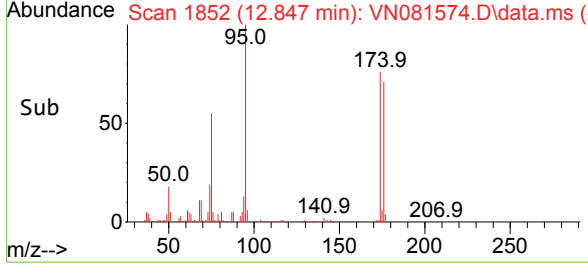
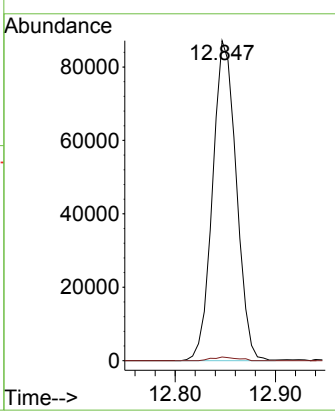
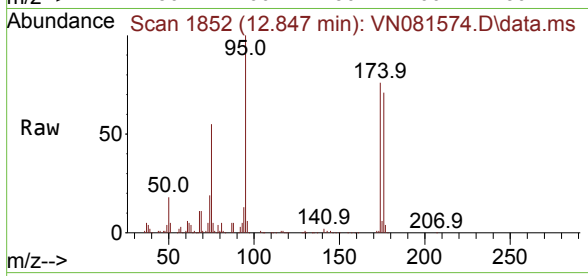


#76
 1,2,3-Trichloropropane
 Concen: 22.102 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081574.D
 Acq: 26 Mar 2024 12:29

Instrument : MSVOA_N
 ClientSampleId : VN0326MBL01

Tgt Ion: 75 Resp: 142983

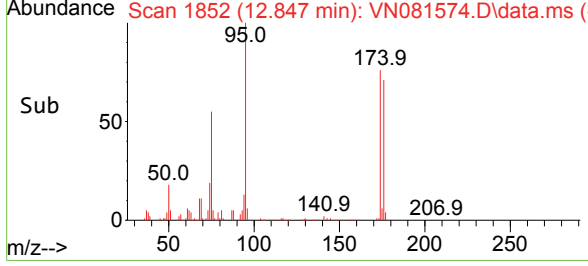
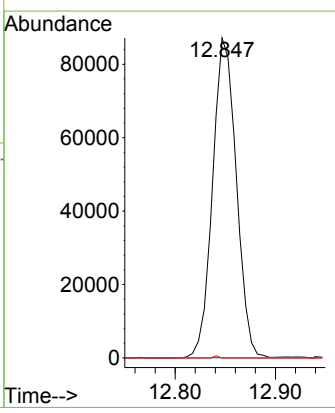
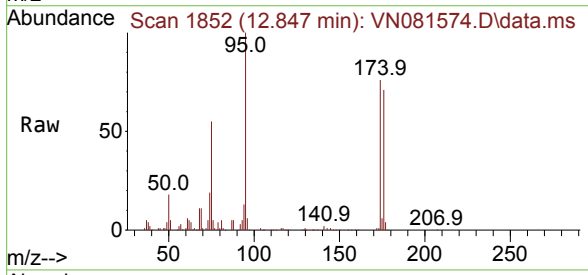
Ion	Ratio	Lower	Upper
75	100		
77	1.2	91.0	272.8#

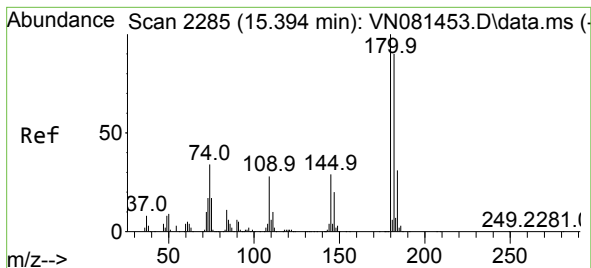


#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.727 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN081574.D
 Acq: 26 Mar 2024 12:29

Tgt Ion: 75 Resp: 142983

Ion	Ratio	Lower	Upper
75	100		
53	0.1	71.4	107.2#
89	0.1	33.4	50.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.353 ug/l

RT: 15.400 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN081574.D

Acq: 26 Mar 2024 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN0326MBL01

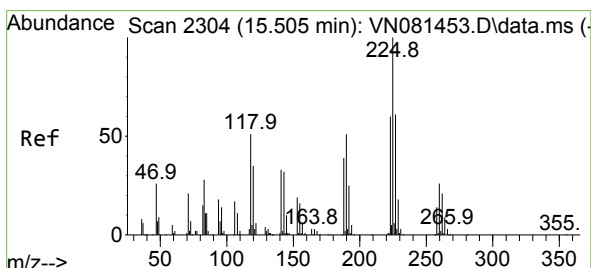
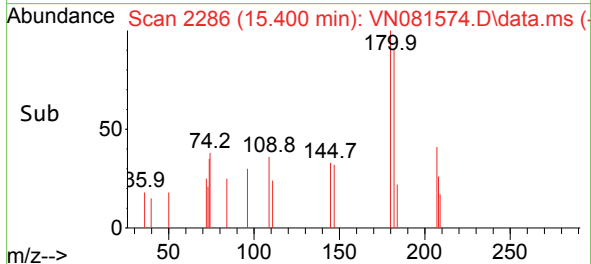
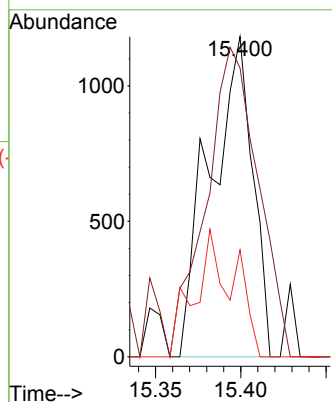
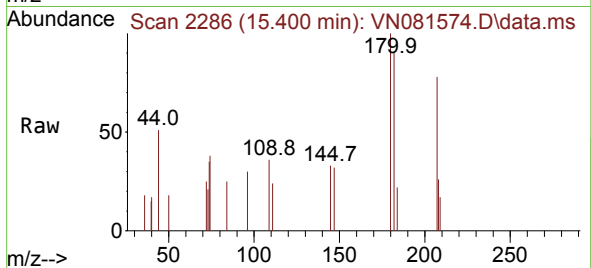
Tgt Ion:180 Resp: 2056

Ion Ratio Lower Upper

180 100

182 118.0 46.6 139.7

145 36.8 16.8 50.3



#94

Hexachlorobutadiene

Concen: 0.921 ug/l

RT: 15.505 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN081574.D

Acq: 26 Mar 2024 12:29

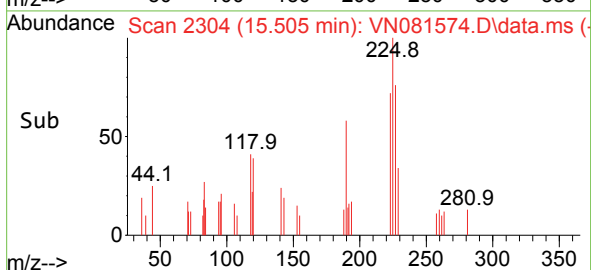
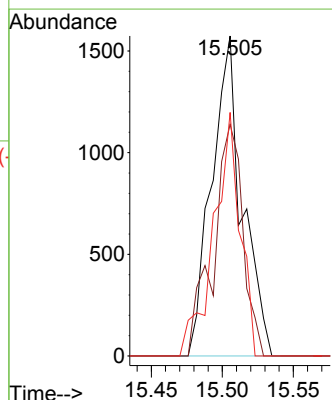
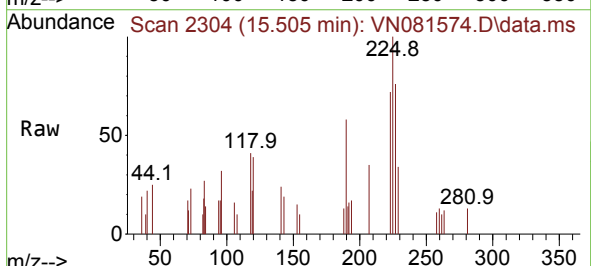
Tgt Ion:225 Resp: 2353

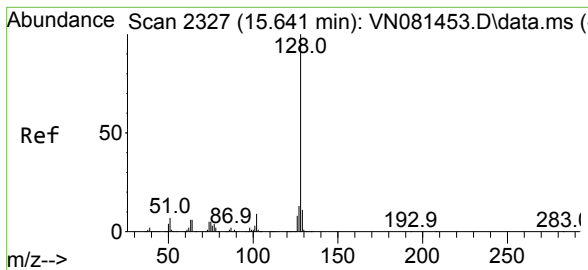
Ion Ratio Lower Upper

225 100

223 70.0 33.3 99.8

227 65.3 33.1 99.2

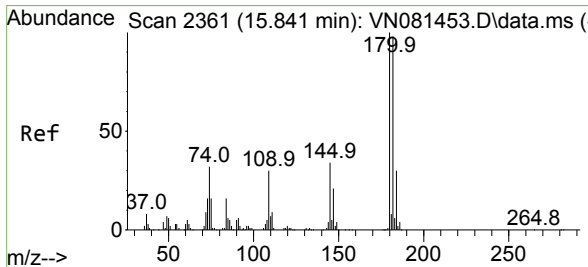
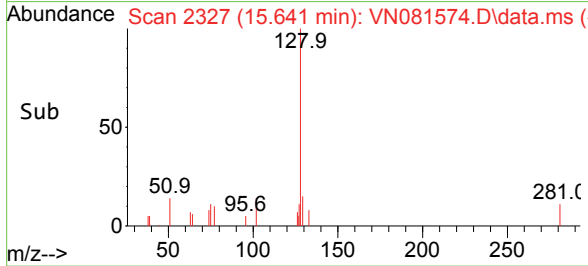
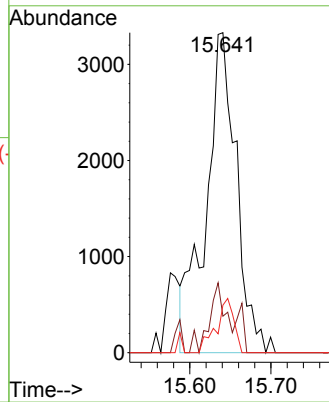
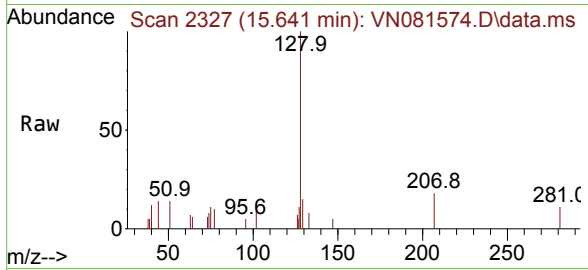




#95
Naphthalene
Concen: 0.460 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN0326MBL01

Tgt Ion:	128	Resp:	8678
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.0	15.0
129	9.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.397 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN081574.D
Acq: 26 Mar 2024 12:29

Tgt Ion:	180	Resp:	2325
Ion Ratio	Lower	Upper	
180	100		
182	118.7	46.5	139.3
145	42.3	17.8	53.4

