

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032124\
 Data File : VN081510.D
 Acq On : 21 Mar 2024 11:18
 Operator : JC\MD
 Sample : VN0321MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBL01

Quant Time: Mar 22 05:02:35 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)

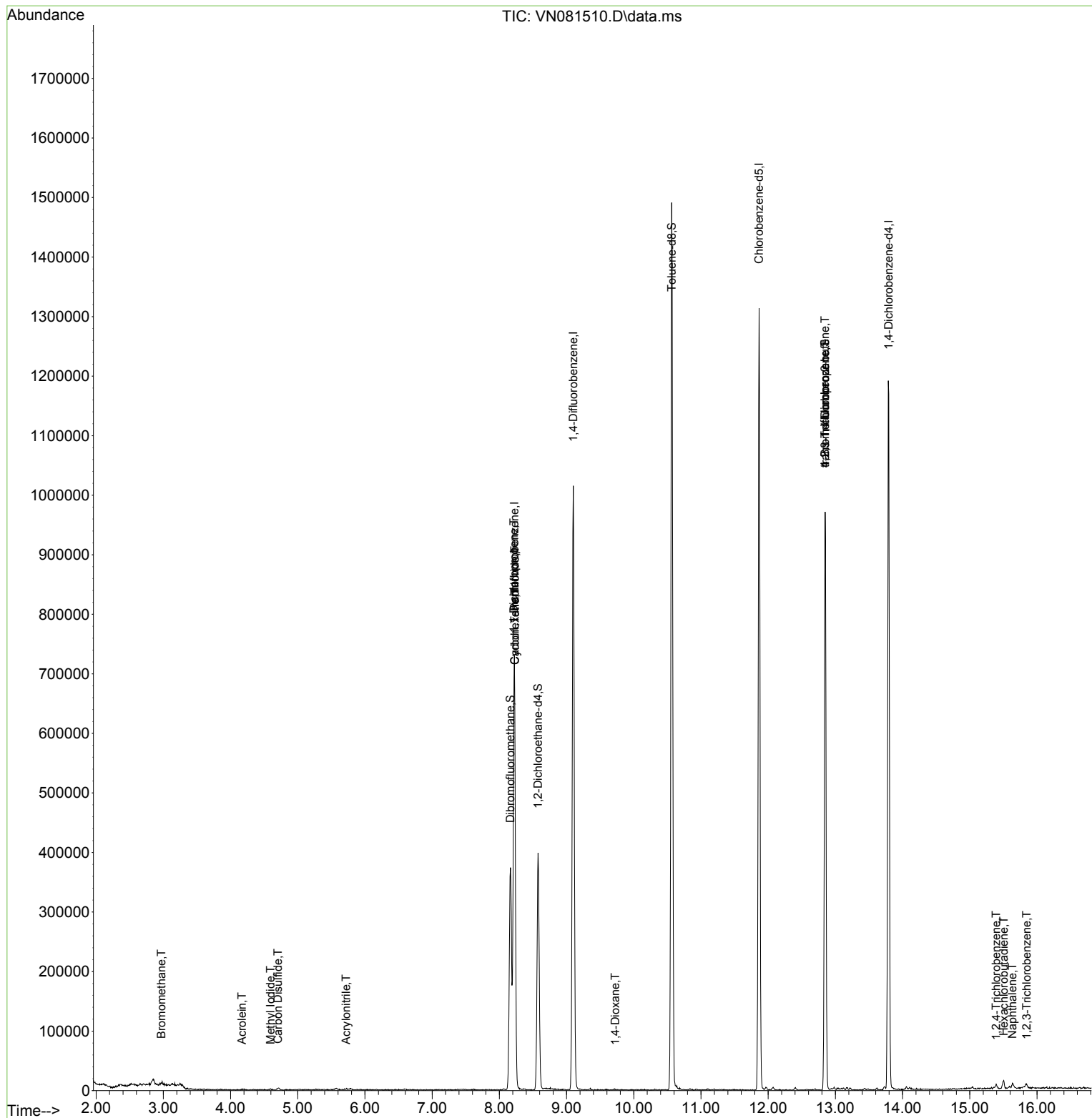
Internal Standards						
1) Pentafluorobenzene	8.224	168	536741	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	916591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	778497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	324628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	318972	46.600	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.200%
35) Dibromofluoromethane	8.165	113	270977	46.844	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.680%
50) Toluene-d8	10.565	98	1053278	50.370	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.740%
62) 4-Bromofluorobenzene	12.847	95	334569	45.408	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	90.820%
Target Compounds						
						Qvalue
5) Bromomethane	2.971	94	3386	0.593	ug/l	# 70
10) Methyl Iodide	4.595	142	2810	0.413	ug/l	# 85
13) Acrolein	4.171	56	409	0.382	ug/l	# 82
15) Acrylonitrile	5.718	53	669	0.210	ug/l	# 1
17) Carbon Disulfide	4.706	76	6635	0.365	ug/l	# 78
31) Cyclohexane	8.230	56	11546	1.037	ug/l	# 1
36) 1,1-Dichloropropene	8.218	75	44418	4.563	ug/l	# 50
38) Carbon Tetrachloride	8.230	117	55863	5.238	ug/l	# 17
49) 1,4-Dioxane	9.724	88	61	0.398	ug/l	# 18
76) 1,2,3-Trichloropropane	12.847	75	177845	22.903	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	177845	61.890	ug/l	# 14
93) 1,2,4-Trichlorobenzene	15.394	180	3231	0.462	ug/l	95
94) Hexachlorobutadiene	15.506	225	2522	0.822	ug/l	92
95) Naphthalene	15.635	128	9391	0.415	ug/l	# 95
96) 1,2,3-Trichlorobenzene	15.847	180	4011	0.571	ug/l	88

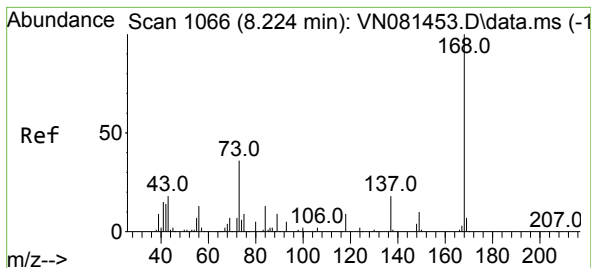
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032124\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081510.D

Acq: 21 Mar 2024 11:18

Instrument :

MSVOA_N

ClientSampleId :

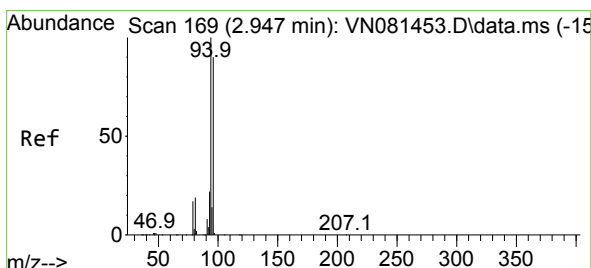
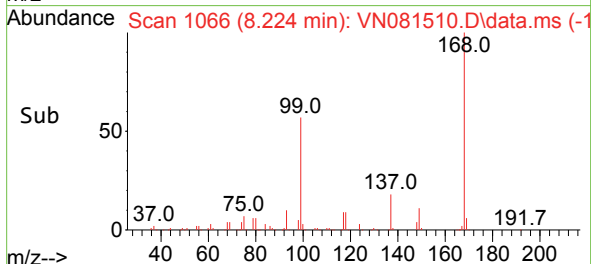
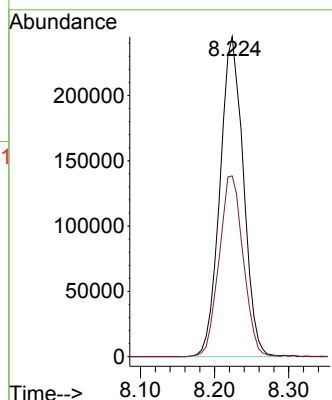
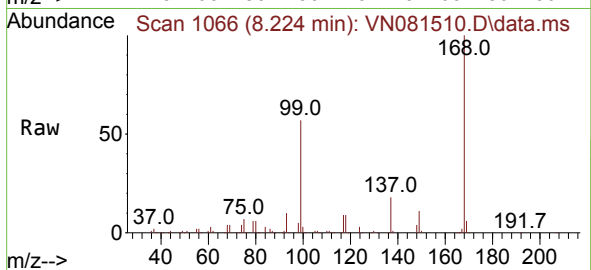
VN0321MBL01

Tgt Ion:168 Resp: 536741

Ion Ratio Lower Upper

168 100

99 56.5 59.9 89.9#



#5

Bromomethane

Concen: 0.593 ug/l

RT: 2.971 min Scan# 173

Delta R.T. 0.024 min

Lab File: VN081510.D

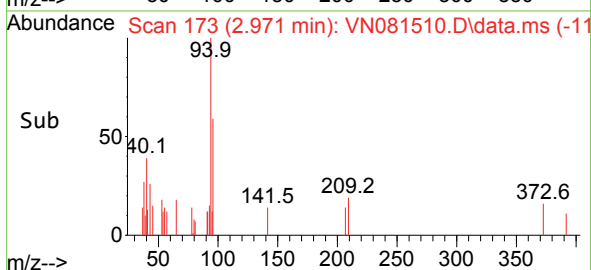
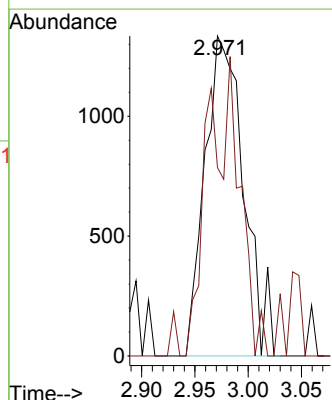
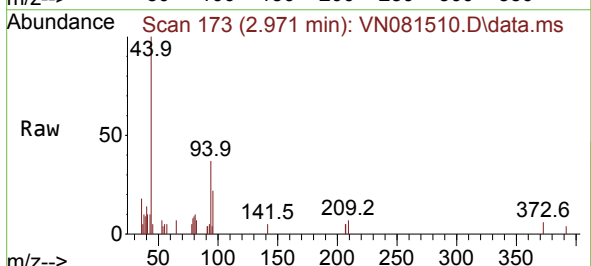
Acq: 21 Mar 2024 11:18

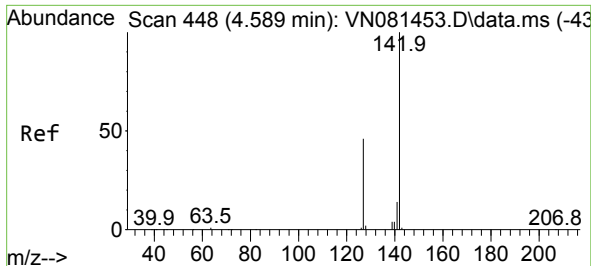
Tgt Ion: 94 Resp: 3386

Ion Ratio Lower Upper

94 100

96 58.9 69.2 103.8#

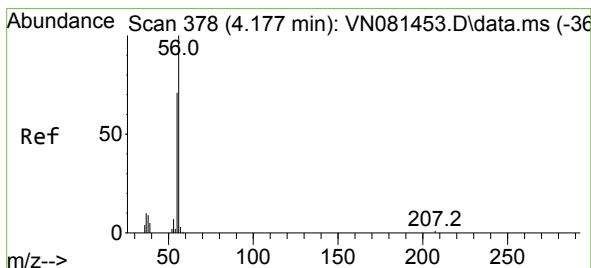
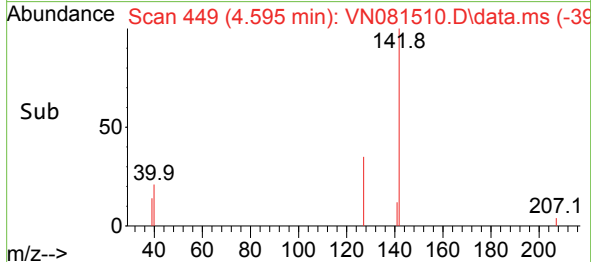
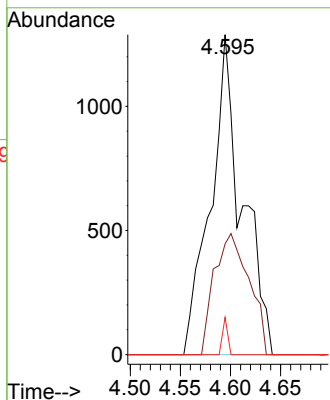
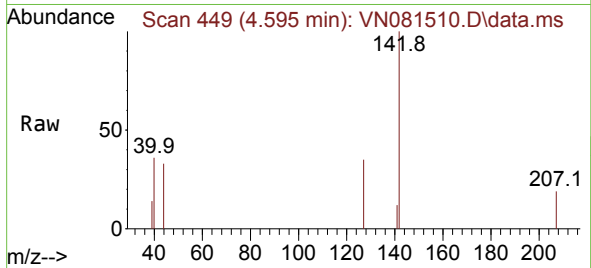




#10
Methyl Iodide
Concen: 0.413 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN081510.D
Acq: 21 Mar 2024 11:18

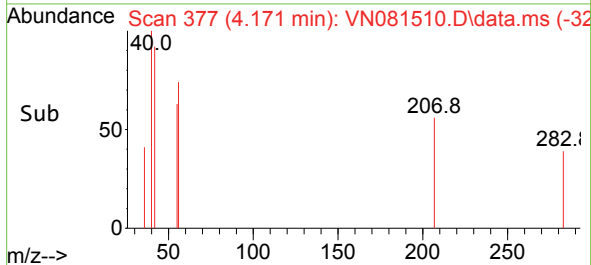
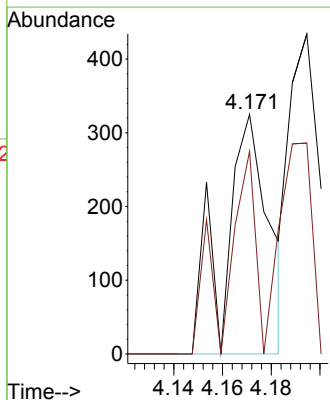
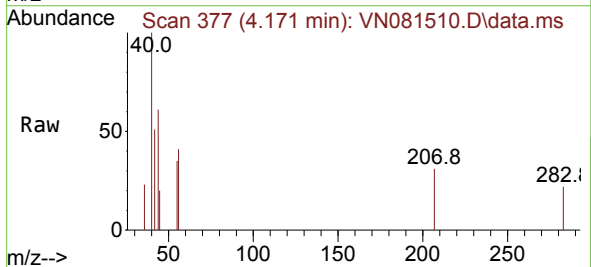
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

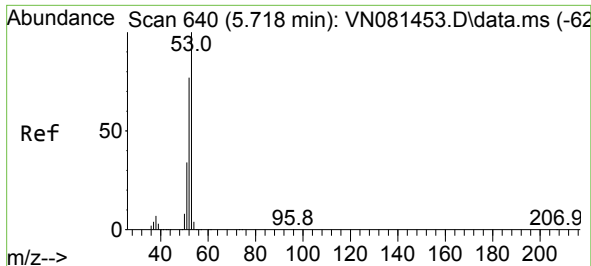
Tgt Ion:142 Resp: 2810
Ion Ratio Lower Upper
142 100
127 34.6 37.0 55.4#
141 11.6 12.5 18.7#



#13
Acrolein
Concen: 0.382 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081510.D
Acq: 21 Mar 2024 11:18

Tgt Ion: 56 Resp: 409
Ion Ratio Lower Upper
56 100
55 54.5 55.3 82.9#





#15

Acrylonitrile

Concen: 0.210 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN081510.D

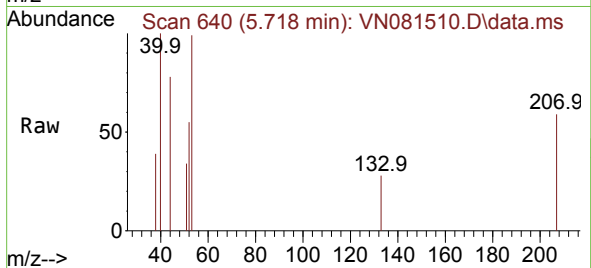
Acq: 21 Mar 2024 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBL01



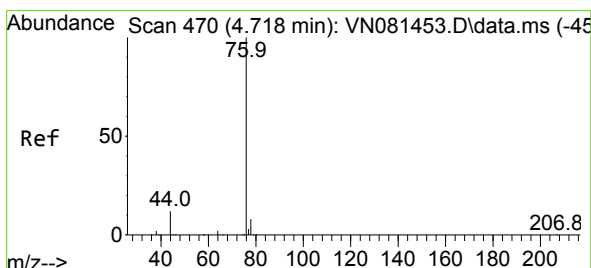
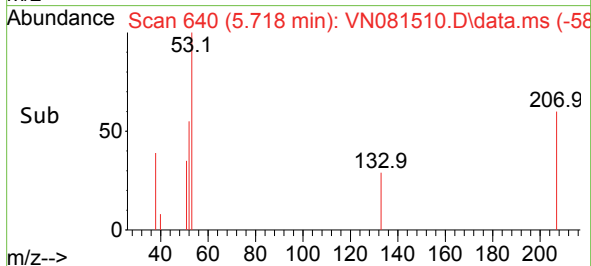
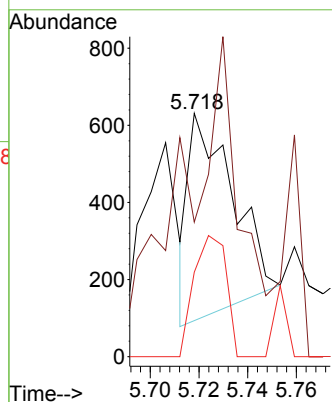
Tgt Ion: 53 Resp: 669

Ion Ratio Lower Upper

53 100

52 204.2 64.8 97.2#

51 43.3 26.9 40.3#



#17

Carbon Disulfide

Concen: 0.365 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.012 min

Lab File: VN081510.D

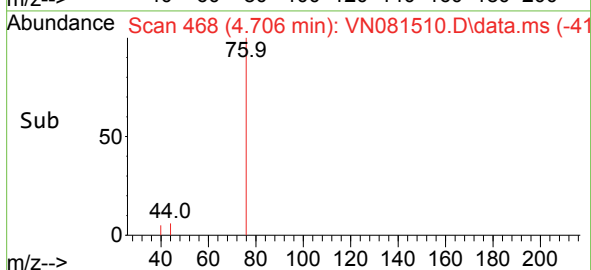
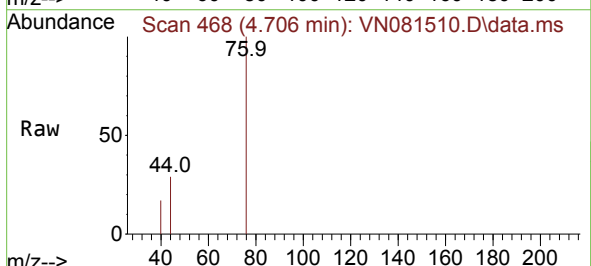
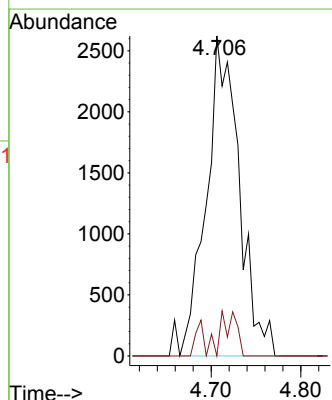
Acq: 21 Mar 2024 11:18

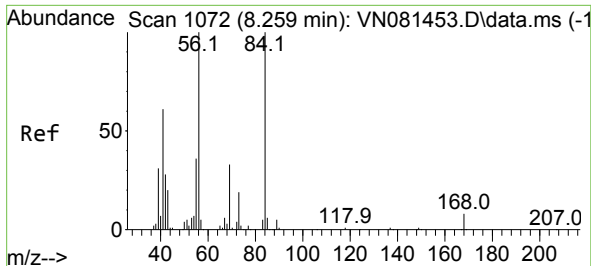
Tgt Ion: 76 Resp: 6635

Ion Ratio Lower Upper

76 100

78 0.0 6.3 9.5#

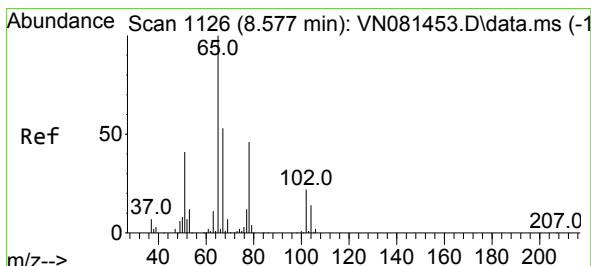
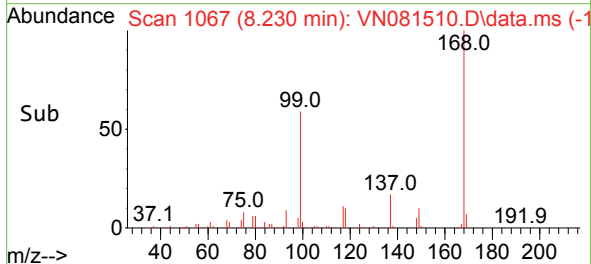
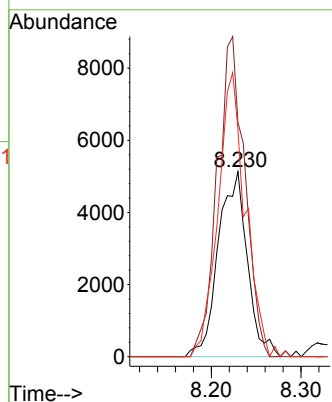
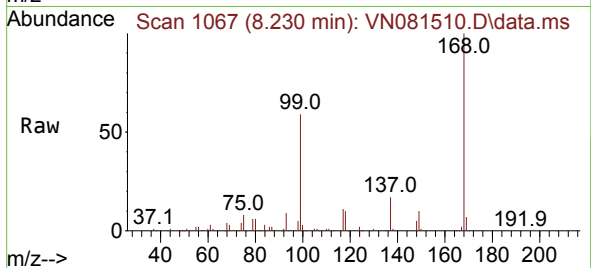




#31
Cyclohexane
Concen: 1.037 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081510.D
Acq: 21 Mar 2024 11:18

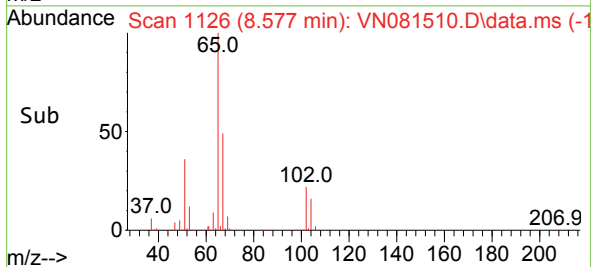
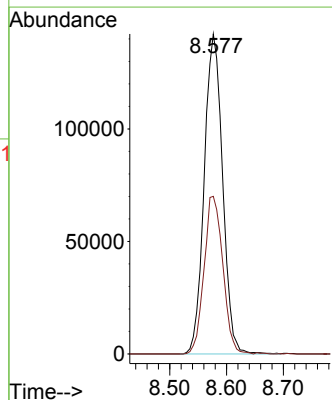
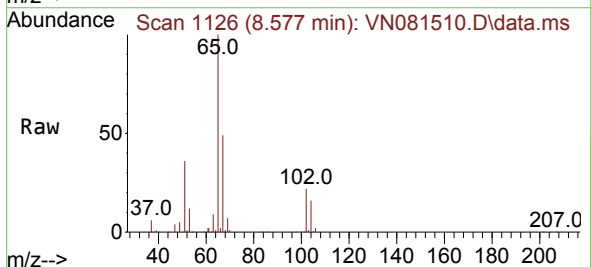
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

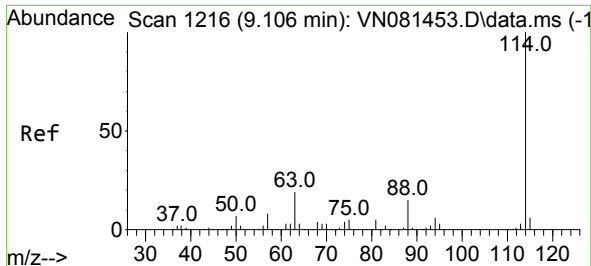
Tgt Ion: 56 Resp: 11546
Ion Ratio Lower Upper
56 100
69 126.6 20.1 30.1#
84 122.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 46.600 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081510.D
Acq: 21 Mar 2024 11:18

Tgt Ion: 65 Resp: 318972
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081510.D

Acq: 21 Mar 2024 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBL01

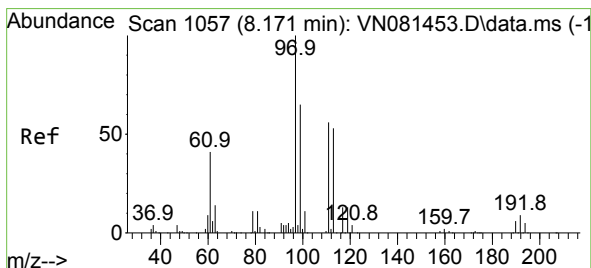
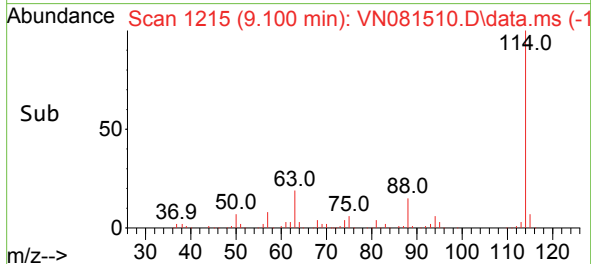
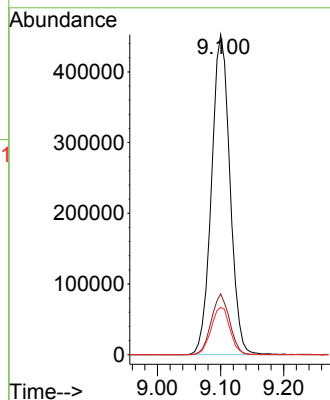
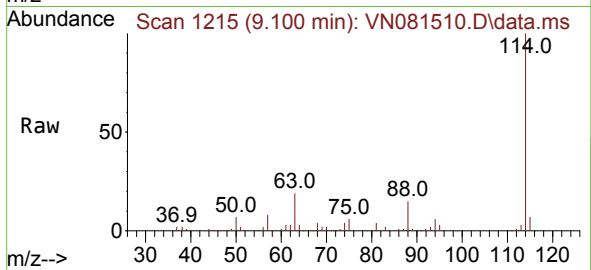
Tgt Ion:114 Resp: 916591

Ion Ratio Lower Upper

114 100

63 19.0 0.0 48.0

88 14.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 46.844 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081510.D

Acq: 21 Mar 2024 11:18

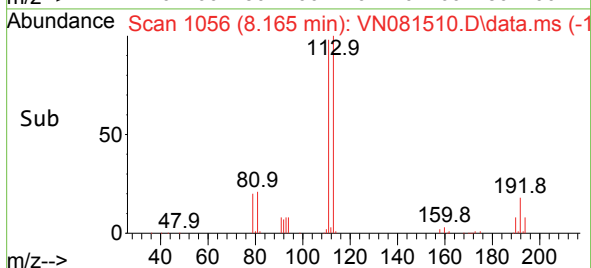
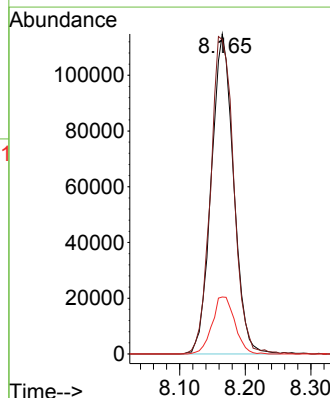
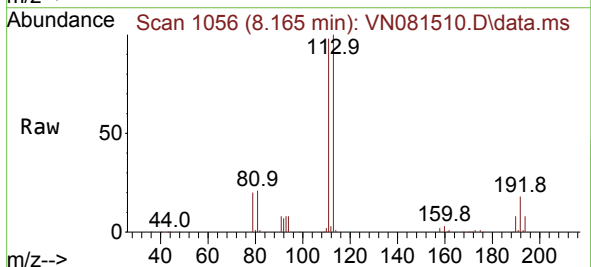
Tgt Ion:113 Resp: 270977

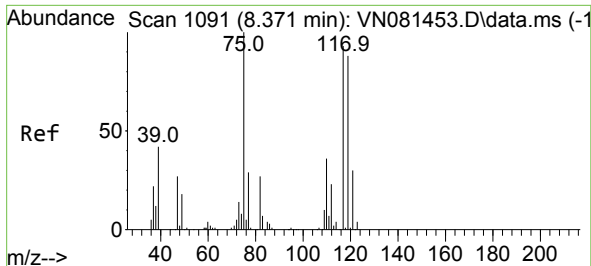
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 18.2 12.5 18.7

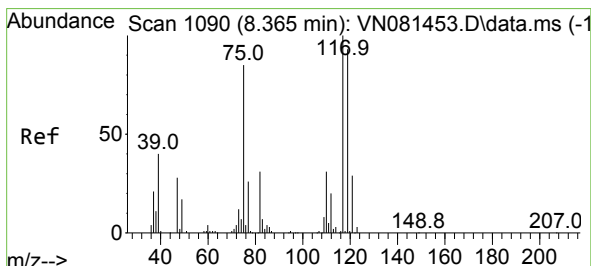
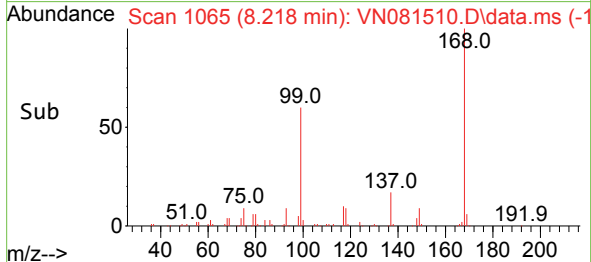
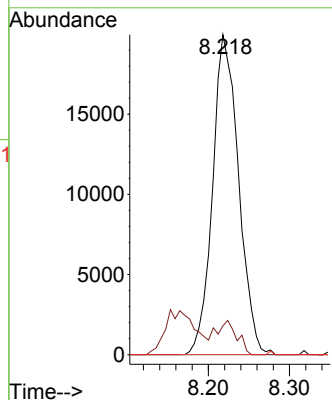
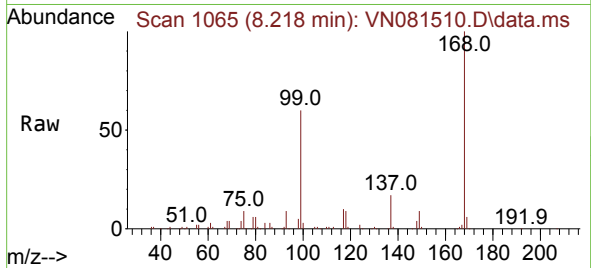




#36
1,1-Dichloropropene
Concen: 4.563 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081510.D
Acq: 21 Mar 2024 11:18

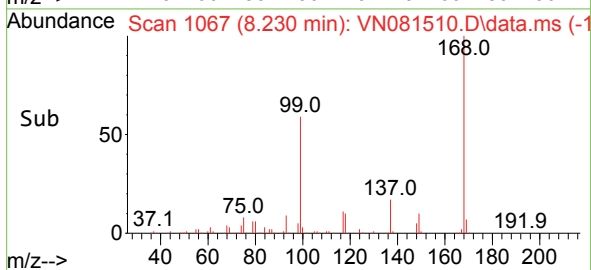
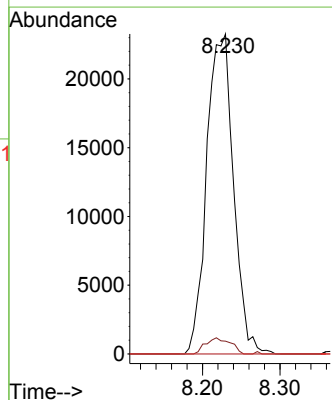
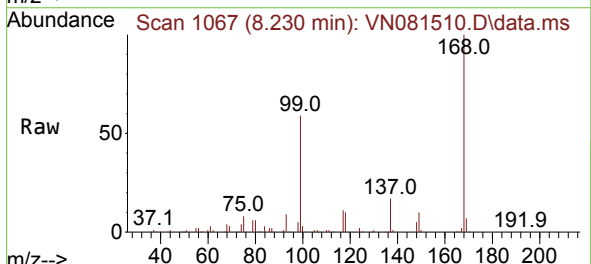
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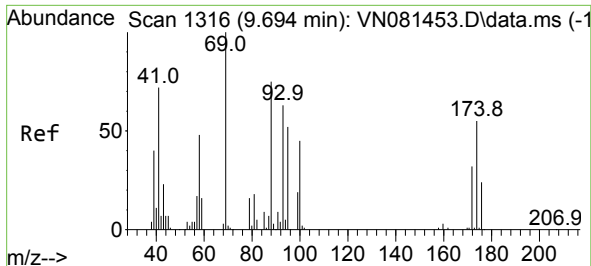
Tgt Ion: 75 Resp: 44418
Ion Ratio Lower Upper
75 100
110 8.6 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 5.238 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081510.D
Acq: 21 Mar 2024 11:18

Tgt Ion: 117 Resp: 55863
Ion Ratio Lower Upper
117 100
119 4.0 73.4 110.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.398 ug/l

RT: 9.724 min Scan# 11

Delta R.T. 0.030 min

Lab File: VN081510.D

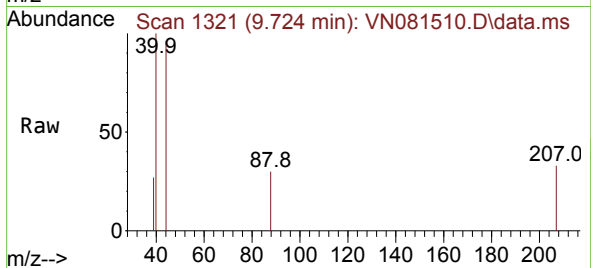
Acq: 21 Mar 2024 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBL01



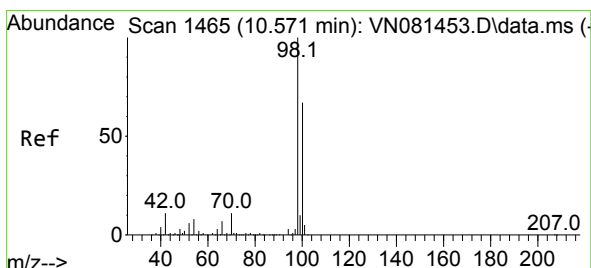
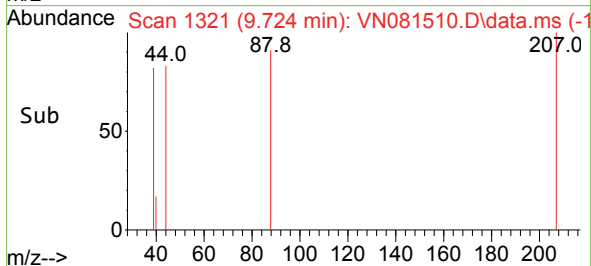
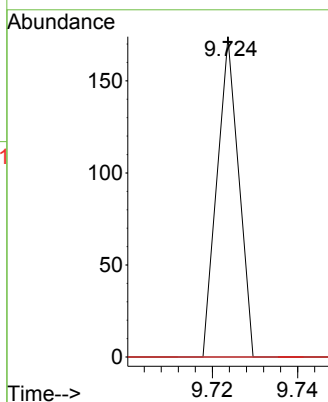
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 50.370 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081510.D

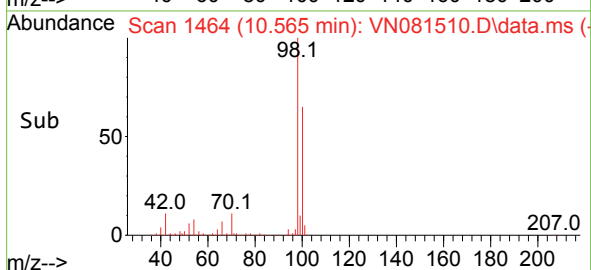
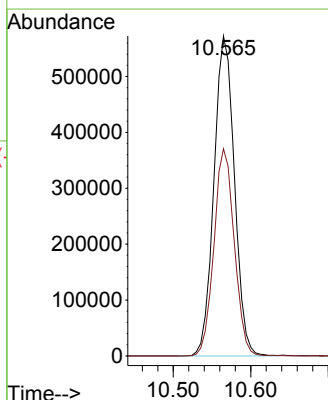
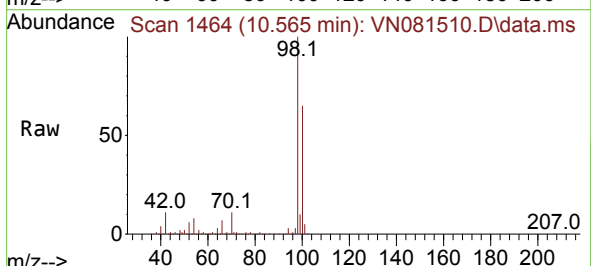
Acq: 21 Mar 2024 11:18

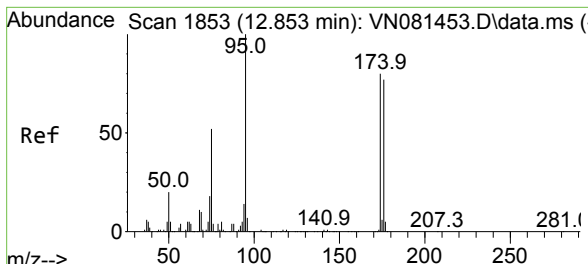
Tgt Ion: 98 Resp: 1053278

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0

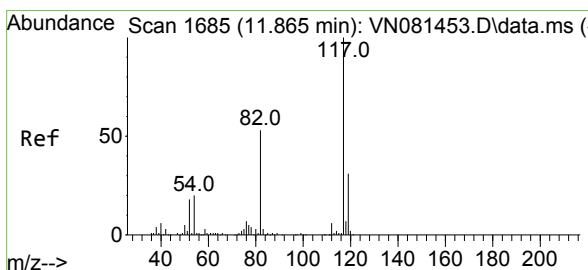
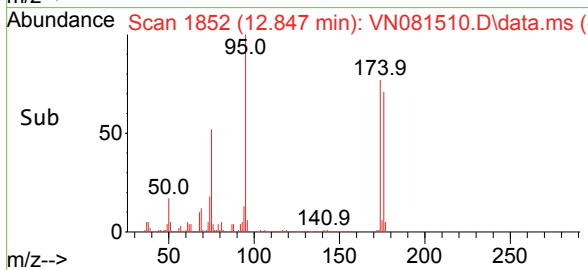
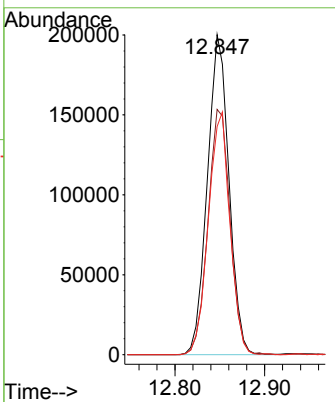
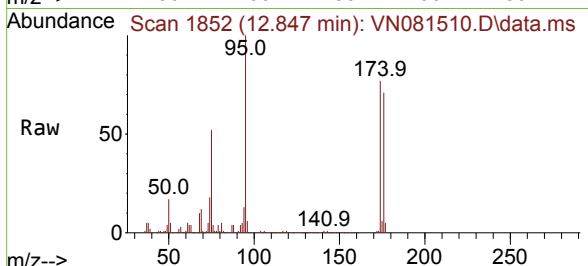




#62
4-Bromofluorobenzene
Concen: 45.408 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081510.D
Acq: 21 Mar 2024 11:18

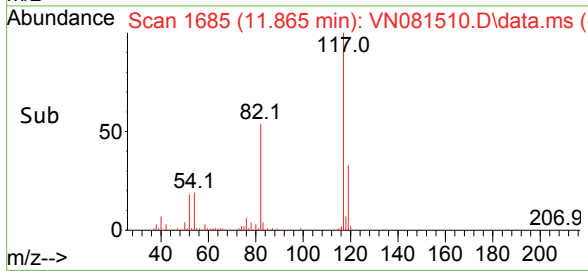
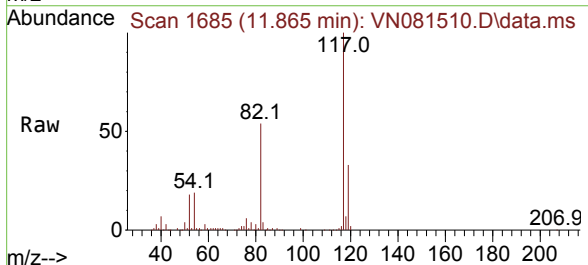
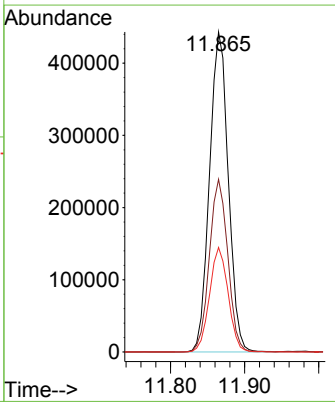
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

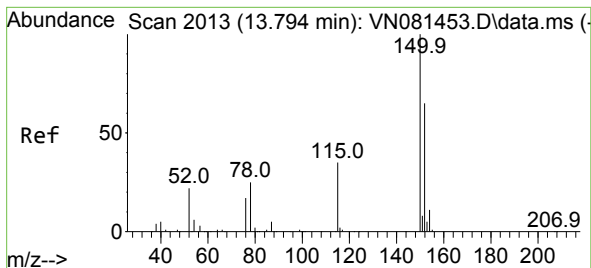
Tgt Ion:	95	Resp:	334569
Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	120.4
176	75.7	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081510.D
Acq: 21 Mar 2024 11:18

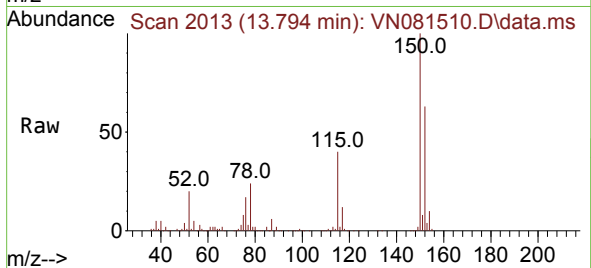
Tgt Ion:	117	Resp:	778497
Ion	Ratio	Lower	Upper
117	100		
82	53.9	52.7	79.1
119	32.6	25.3	37.9



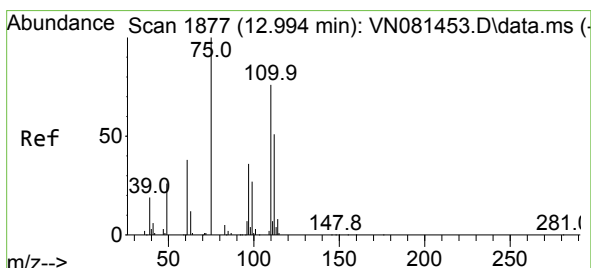
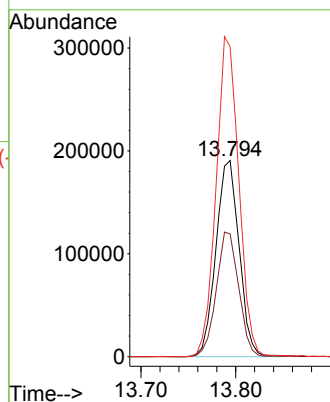
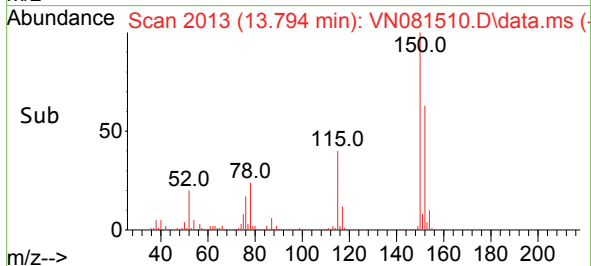


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081510.D
Acq: 21 Mar 2024 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0321MBL01

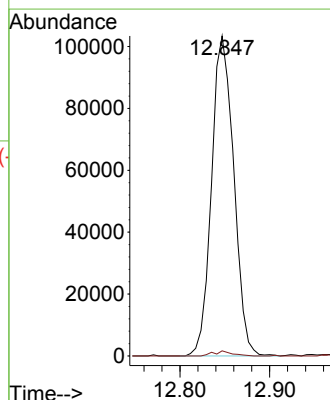
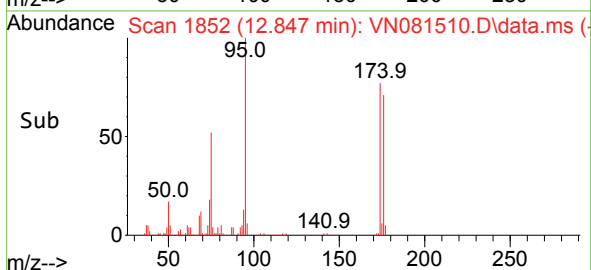
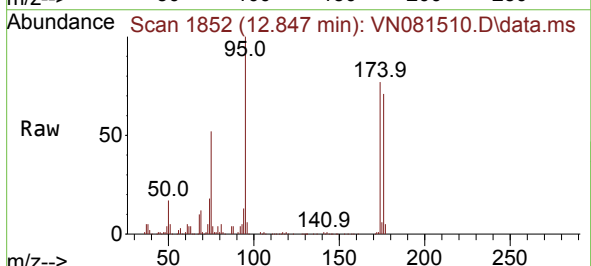


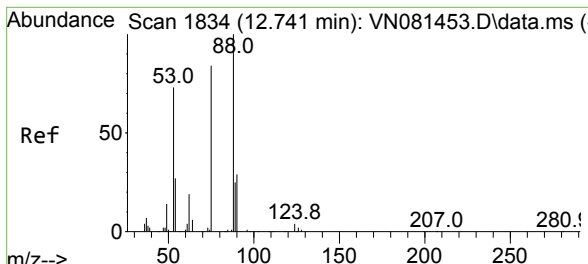
Tgt Ion:152 Resp: 324628
Ion Ratio Lower Upper
152 100
115 61.6 32.3 96.8
150 159.8 0.0 339.8



#76
1,2,3-Trichloropropane
Concen: 22.903 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081510.D
Acq: 21 Mar 2024 11:18

Tgt Ion: 75 Resp: 177845
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



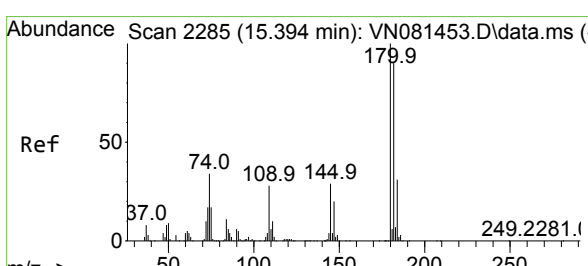
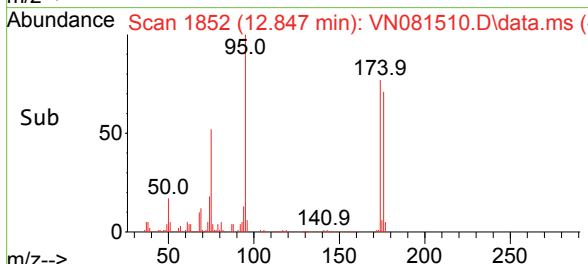
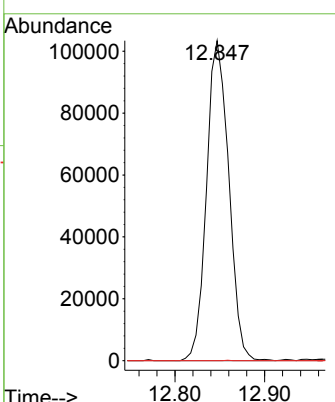
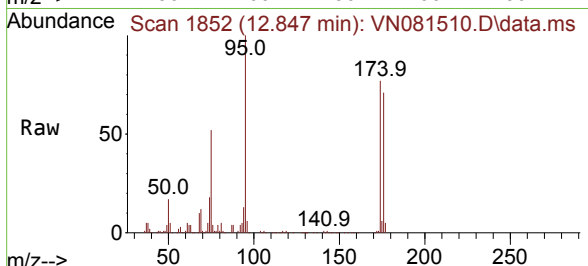


#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.890 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN081510.D
 Acq: 21 Mar 2024 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBL01

Tgt Ion: 75 Resp: 177845

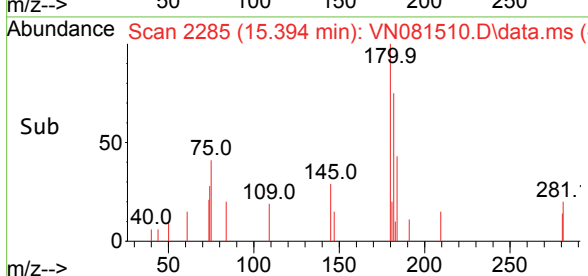
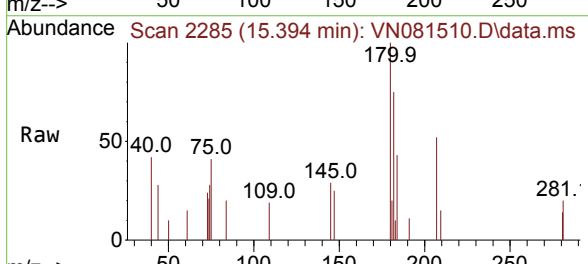
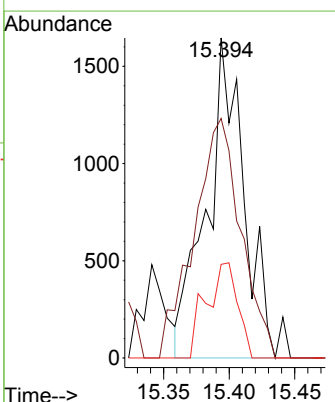
Ion	Ratio	Lower	Upper
75	100		
53	0.0	71.4	107.2#
89	0.0	33.4	50.0#

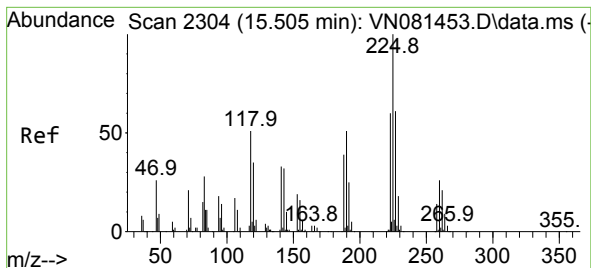


#93
 1,2,4-Trichlorobenzene
 Concen: 0.462 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.000 min
 Lab File: VN081510.D
 Acq: 21 Mar 2024 11:18

Tgt Ion: 180 Resp: 3231

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.6	139.7
145	25.2	16.8	50.3





#94

Hexachlorobutadiene

Concen: 0.822 ug/l

RT: 15.506 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN081510.D

Acq: 21 Mar 2024 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBL01

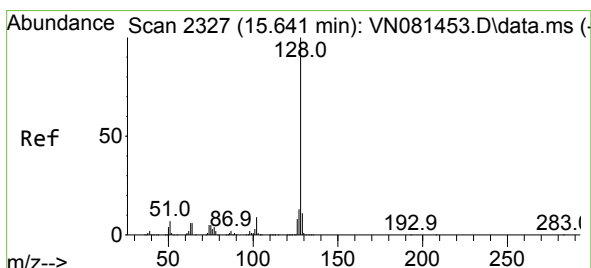
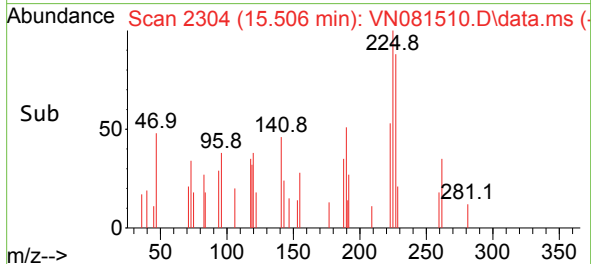
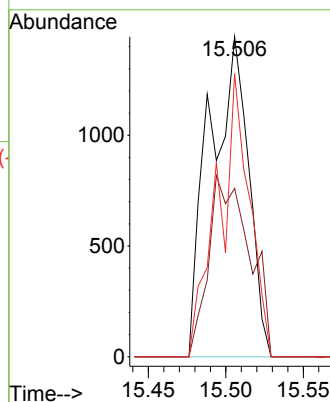
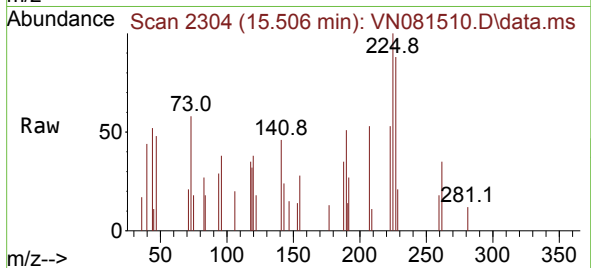
Tgt Ion:225 Resp: 2522

Ion Ratio Lower Upper

225 100

223 59.2 33.3 99.8

227 71.6 33.1 99.2



#95

Naphthalene

Concen: 0.415 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN081510.D

Acq: 21 Mar 2024 11:18

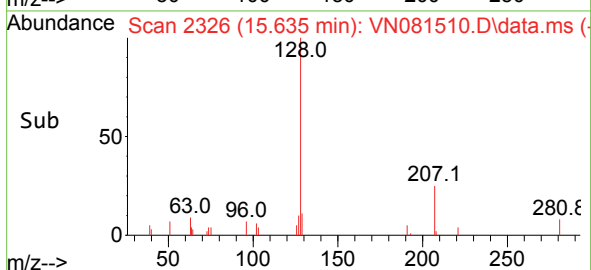
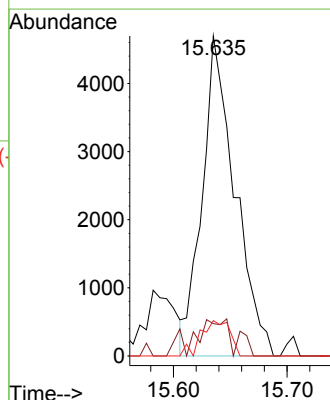
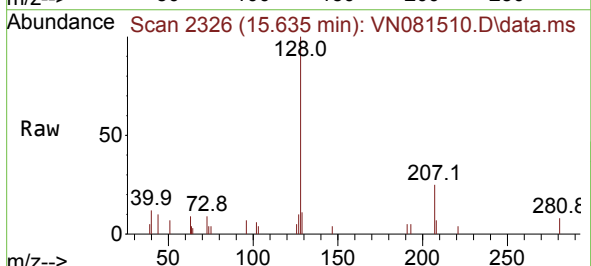
Tgt Ion:128 Resp: 9391

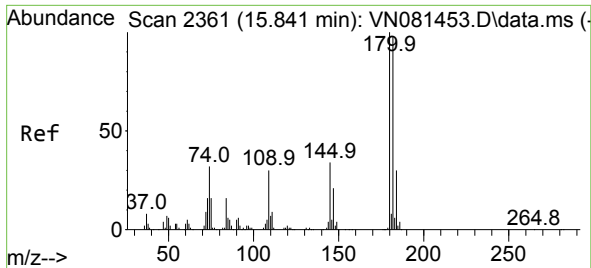
Ion Ratio Lower Upper

128 100

127 9.6 10.0 15.0#

129 9.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.571 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081510.D
 Acq: 21 Mar 2024 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBL01

Tgt Ion:180 Resp: 4011
 Ion Ratio Lower Upper
 180 100
 182 80.9 46.5 139.3
 145 30.2 17.8 53.4

