

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040324\
 Data File : VN081659.D
 Acq On : 03 Apr 2024 13:54
 Operator : JC\MD
 Sample : VN0403MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBL01

Quant Time: Apr 04 04:57:19 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)

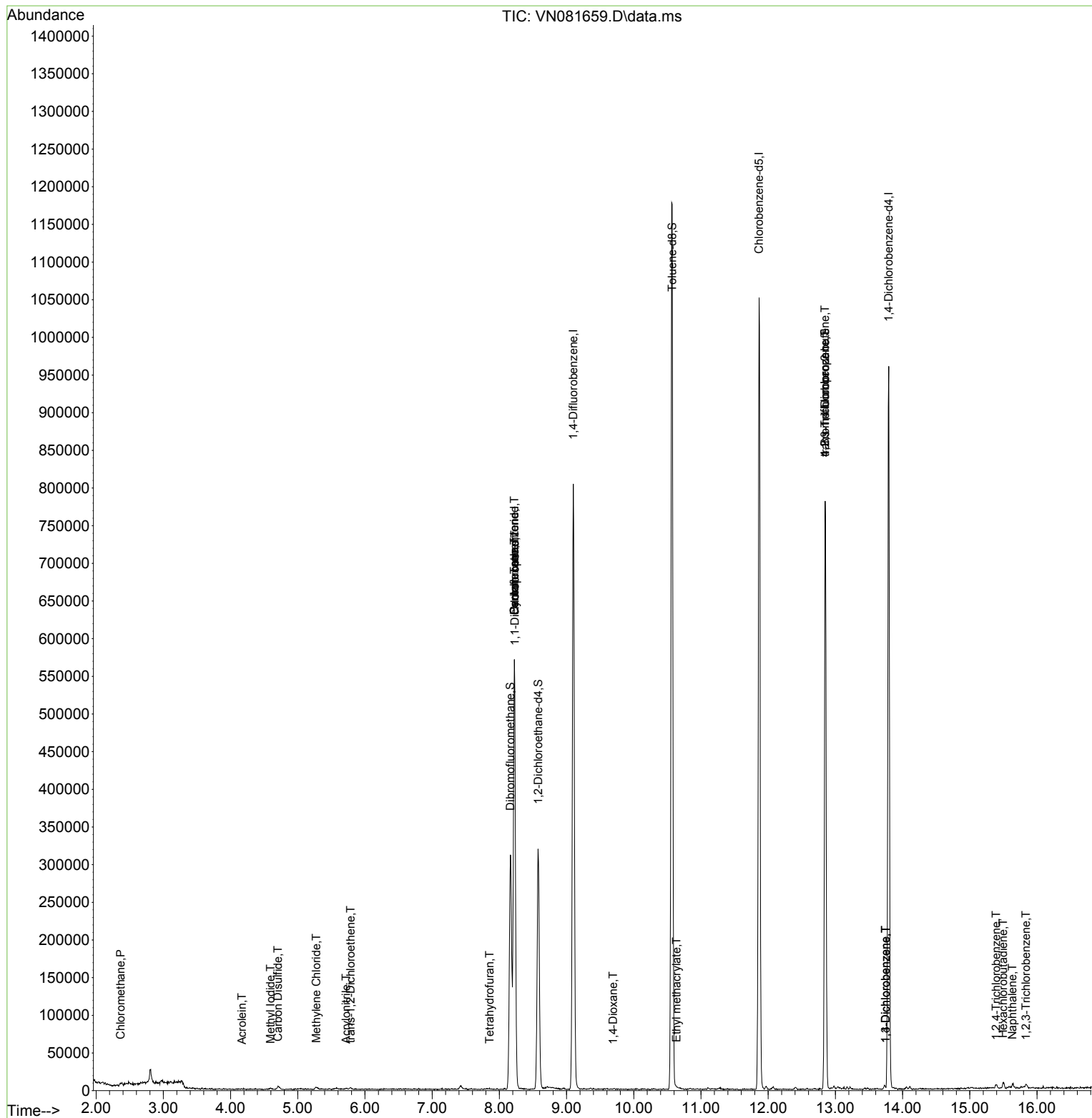
Internal Standards						
1) Pentafluorobenzene	8.224	168	408516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	728214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	645524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	260441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	257604	49.447	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.900%
35) Dibromofluoromethane	8.165	113	223424	48.615	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.240%
50) Toluene-d8	10.571	98	843457	50.770	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.540%
62) 4-Bromofluorobenzene	12.847	95	273770	46.768	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	93.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1238	0.226	ug/l	100
10) Methyl Iodide	4.594	142	2259	0.436	ug/l #	75
13) Acrolein	4.171	56	336	0.412	ug/l #	43
15) Acrylonitrile	5.718	53	929	0.382	ug/l #	69
17) Carbon Disulfide	4.706	76	7416	0.536	ug/l #	76
20) Methylene Chloride	5.277	84	1953	0.354	ug/l #	56
21) trans-1,2-Dichloroethene	5.788	96	1306	0.243	ug/l #	87
29) Tetrahydrofuran	7.853	42	453	0.233	ug/l #	63
31) Cyclohexane	8.224	56	9720	1.147	ug/l #	10
36) 1,1-Dichloropropene	8.229	75	32915	4.256	ug/l #	52
38) Carbon Tetrachloride	8.224	117	43383	5.120	ug/l #	20
49) 1,4-Dioxane	9.694	88	60	0.493	ug/l #	1
56) Ethyl methacrylate	10.635	69	74	0.580	ug/l #	20
76) 1,2,3-Trichloropropane	12.847	75	143329	23.007	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	143329	62.172	ug/l #	14
87) 1,3-Dichlorobenzene	13.747	146	2202	0.219	ug/l	88
88) 1,4-Dichlorobenzene	13.747	146	2202	0.211	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	2169	0.387	ug/l	92
94) Hexachlorobutadiene	15.494	225	1158	0.471	ug/l	84
95) Naphthalene	15.635	128	6629	0.365	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.835	180	2143	0.380	ug/l	94

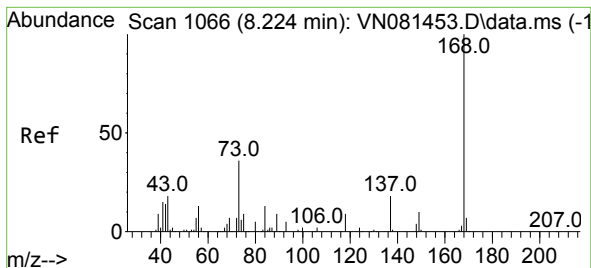
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN081659.D

Acq: 03 Apr 2024 13:54

Instrument :

MSVOA_N

ClientSampleId :

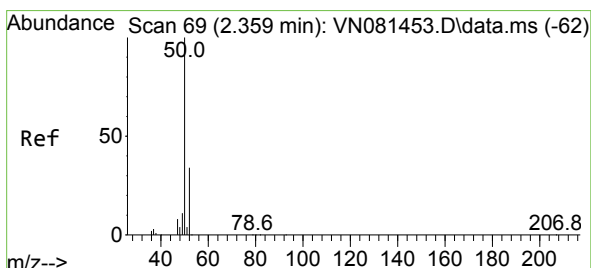
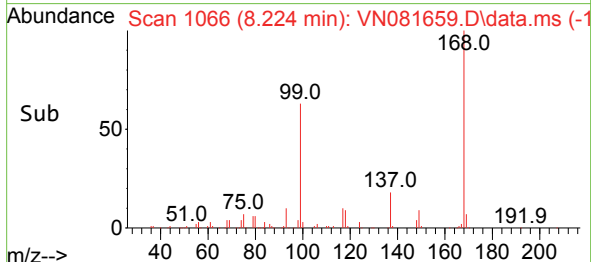
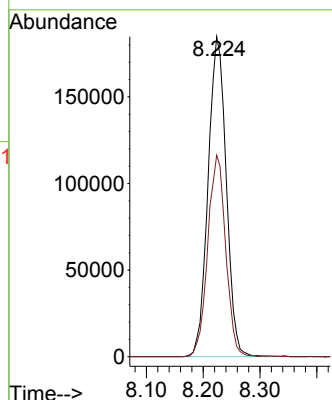
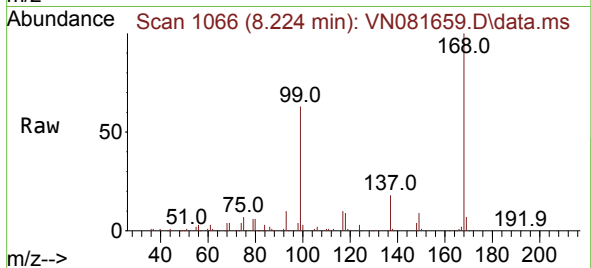
VN0403MBL01

Tgt Ion:168 Resp: 408516

Ion Ratio Lower Upper

168 100

99 63.0 59.9 89.9



#3

Chloromethane

Concen: 0.226 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081659.D

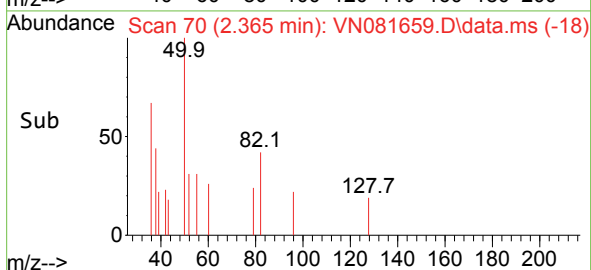
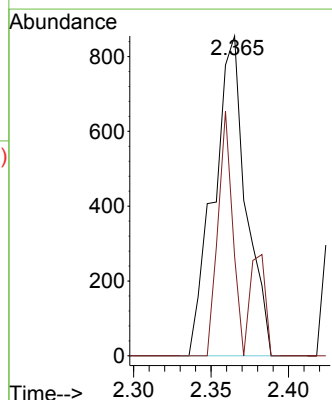
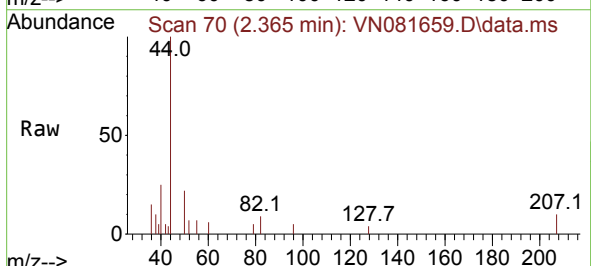
Acq: 03 Apr 2024 13:54

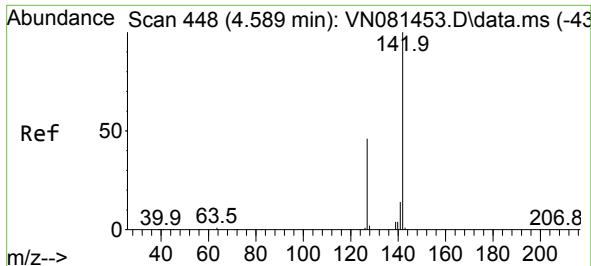
Tgt Ion: 50 Resp: 1238

Ion Ratio Lower Upper

50 100

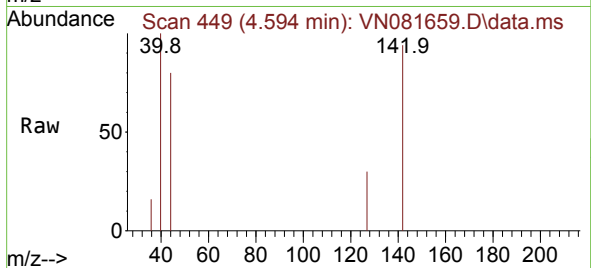
52 31.1 25.0 37.4



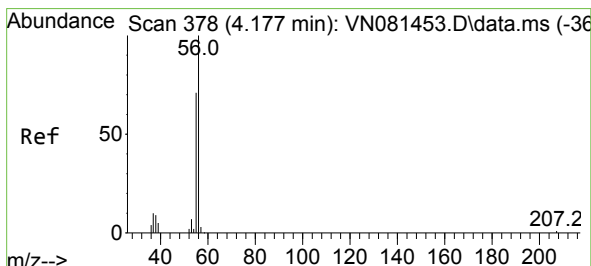
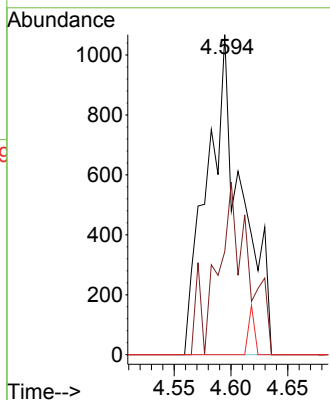
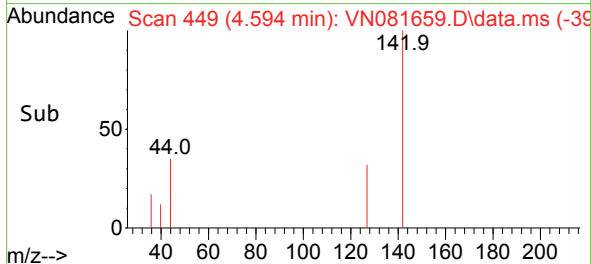


#10
Methyl Iodide
Concen: 0.436 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBL01

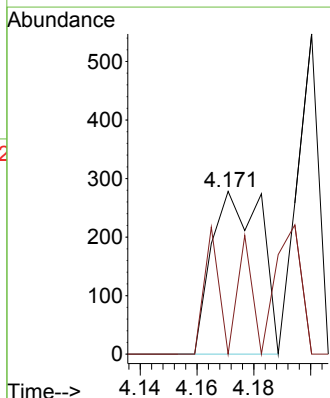
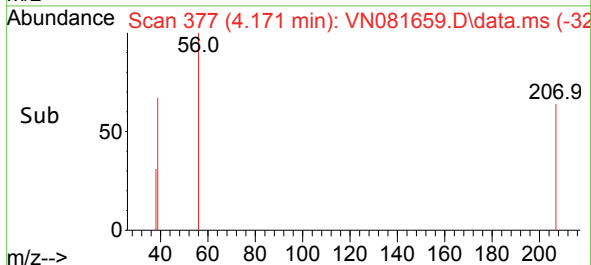
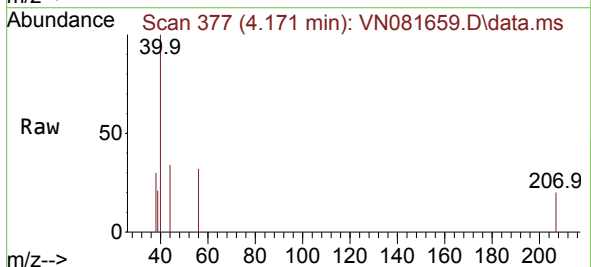


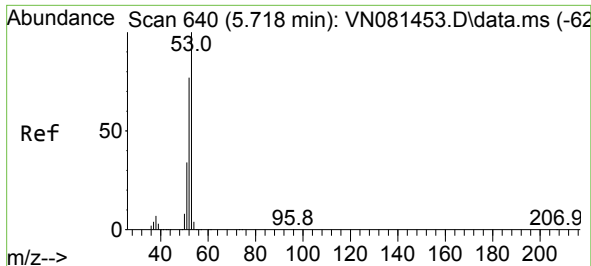
Tgt Ion:142 Resp: 2259
Ion Ratio Lower Upper
142 100
127 32.2 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: 0.412 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

Tgt Ion: 56 Resp: 336
Ion Ratio Lower Upper
56 100
55 22.9 55.3 82.9#





#15

Acrylonitrile

Concen: 0.382 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN081659.D

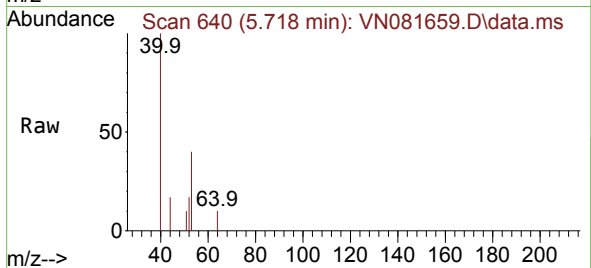
Acq: 03 Apr 2024 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBL01



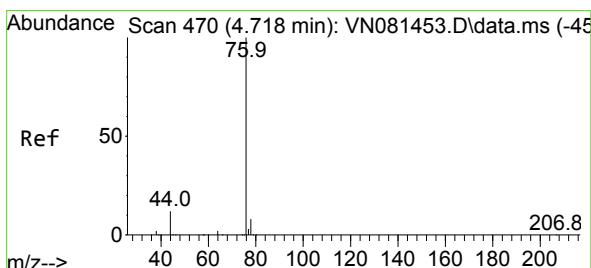
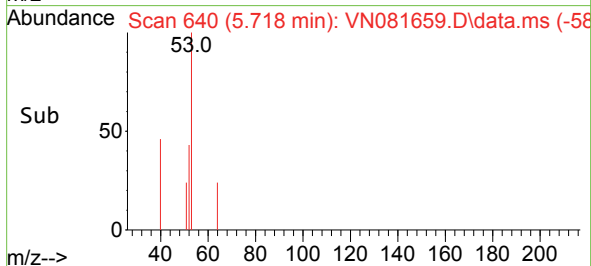
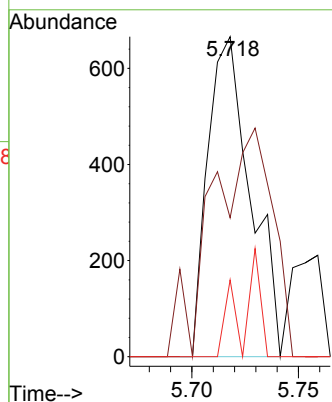
Tgt Ion: 53 Resp: 929

Ion Ratio Lower Upper

53 100

52 102.2 64.8 97.2#

51 6.0 26.9 40.3#



#17

Carbon Disulfide

Concen: 0.536 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.012 min

Lab File: VN081659.D

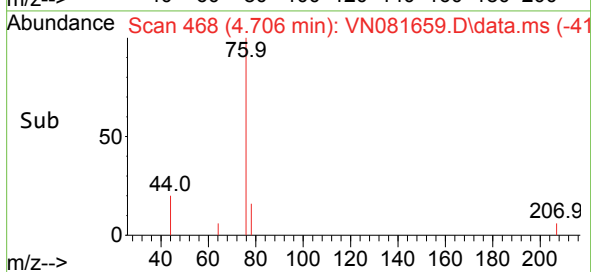
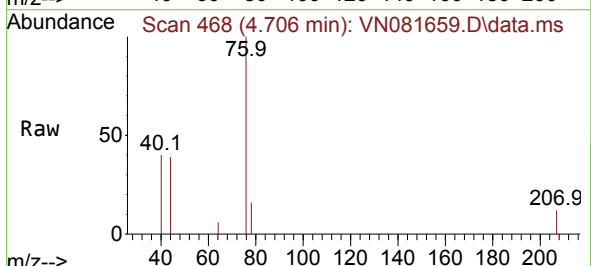
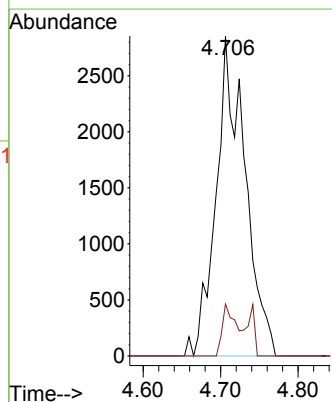
Acq: 03 Apr 2024 13:54

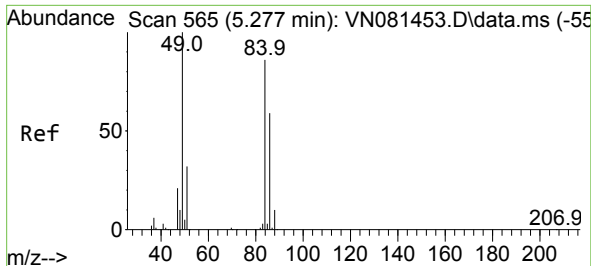
Tgt Ion: 76 Resp: 7416

Ion Ratio Lower Upper

76 100

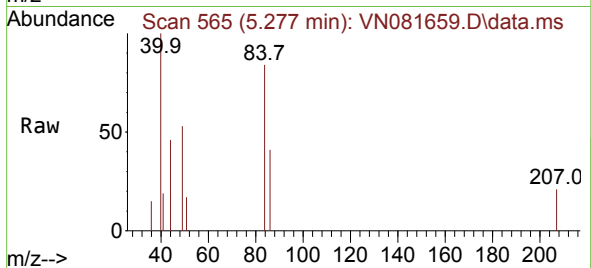
78 16.3 6.3 9.5#



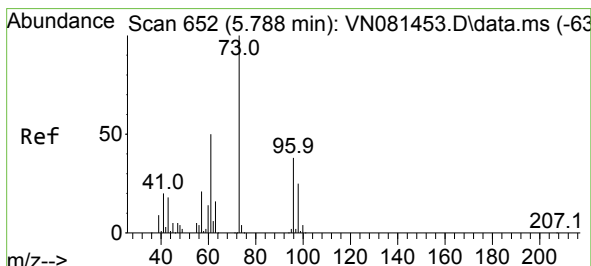
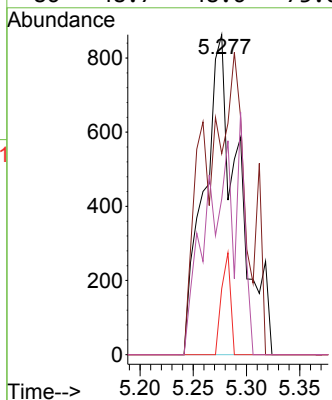
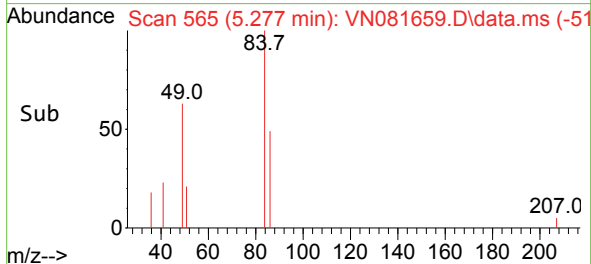


#20
Methylene Chloride
Concen: 0.354 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBL01

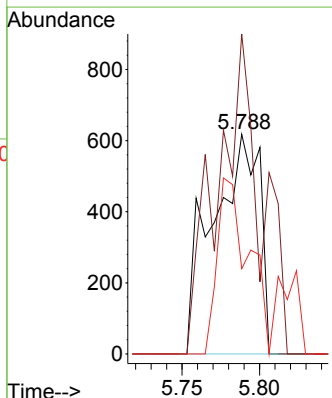
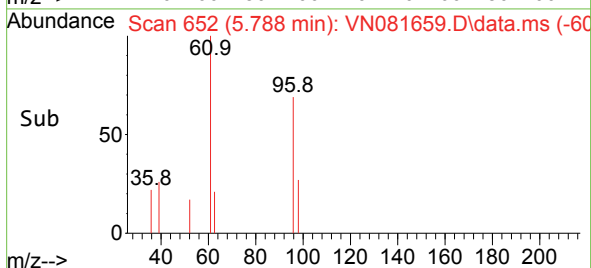
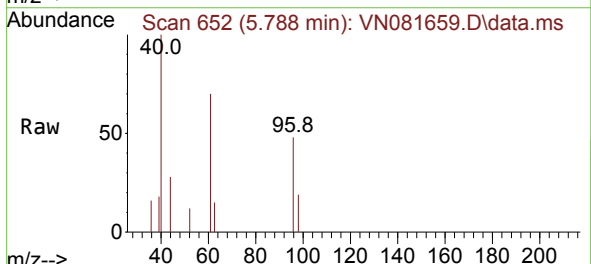


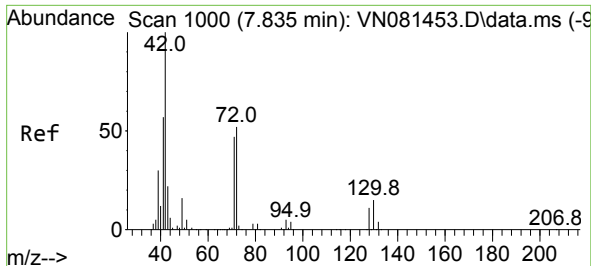
Tgt Ion:	84	Resp:	1953
Ion	Ratio	Lower	Upper
84	100		
49	62.8	108.1	162.1#
51	20.6	32.9	49.3#
86	48.7	48.6	73.0



#21
trans-1,2-Dichloroethene
Concen: 0.243 ug/l
RT: 5.788 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

Tgt Ion:	96	Resp:	1306
Ion	Ratio	Lower	Upper
96	100		
61	145.6	112.8	169.2
98	38.8	51.0	76.4#





#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN081659.D

Acq: 03 Apr 2024 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBL01

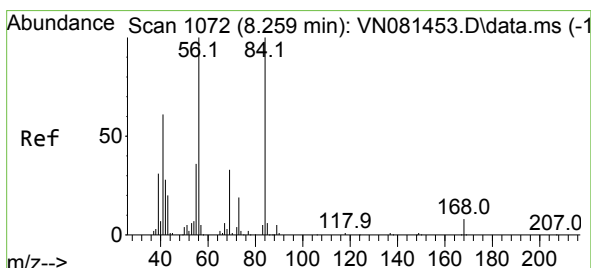
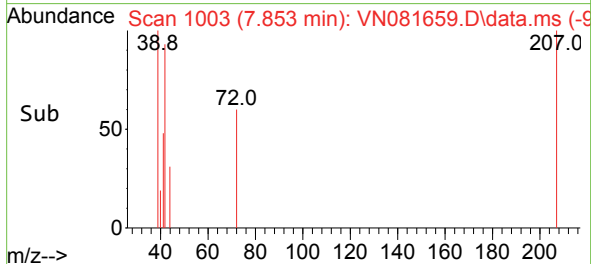
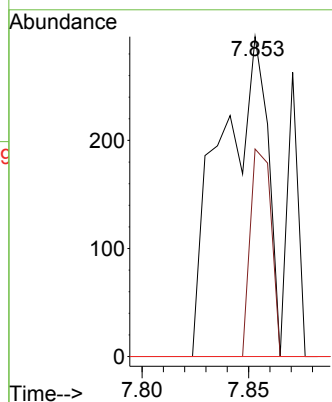
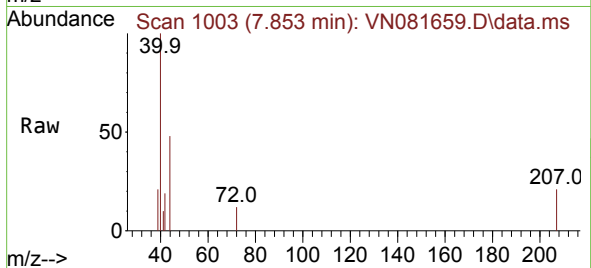
Tgt Ion: 42 Resp: 453

Ion Ratio Lower Upper

42 100

72 28.9 31.1 46.7#

71 0.0 28.3 42.5#



#31

Cyclohexane

Concen: 1.147 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081659.D

Acq: 03 Apr 2024 13:54

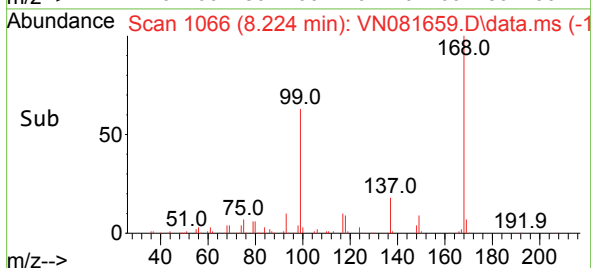
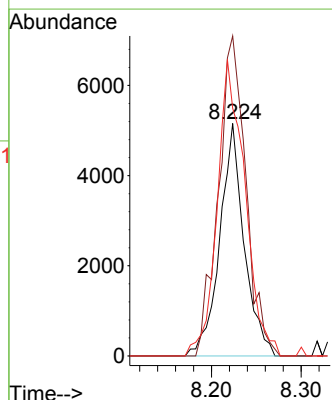
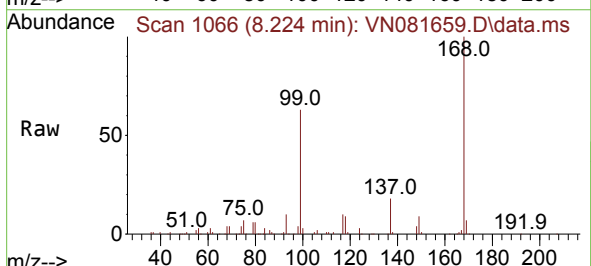
Tgt Ion: 56 Resp: 9720

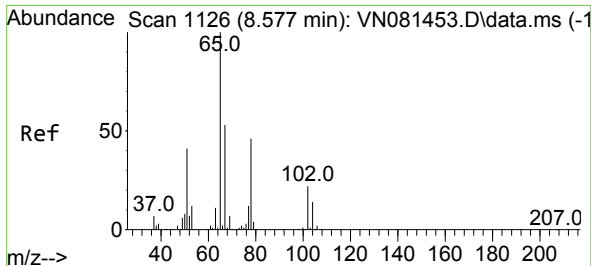
Ion Ratio Lower Upper

56 100

69 137.7 20.1 30.1#

84 106.6 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.447 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081659.D

Acq: 03 Apr 2024 13:54

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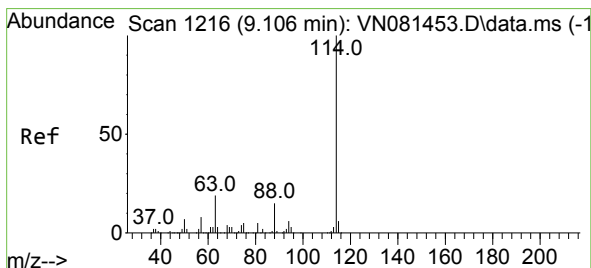
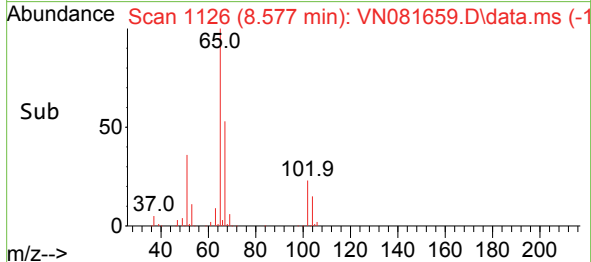
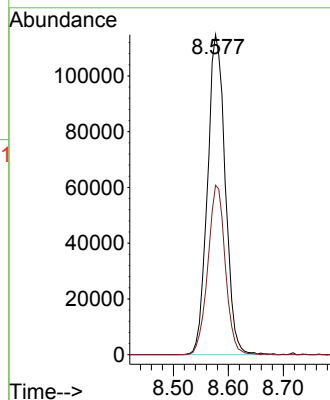
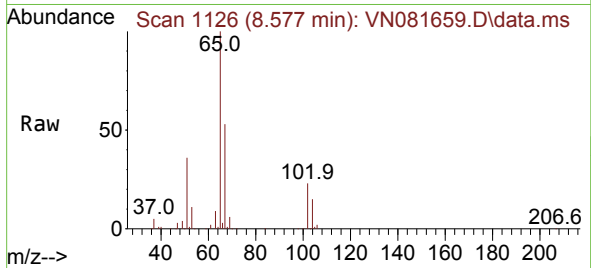
VN0403MBL01

Tgt Ion: 65 Resp: 257604

Ion Ratio Lower Upper

65 100

67 51.9 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: VN081659.D

Acq: 03 Apr 2024 13:54

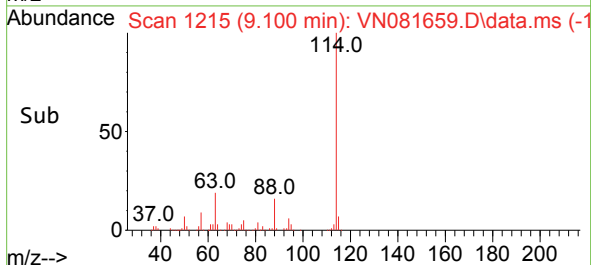
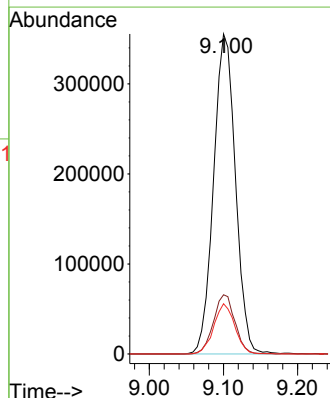
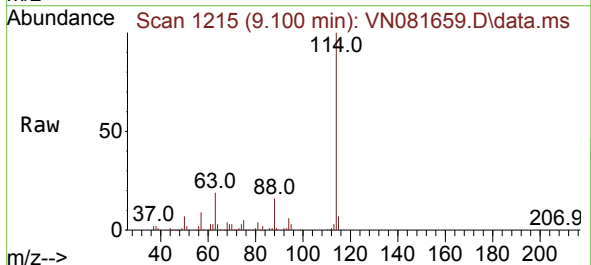
Tgt Ion: 114 Resp: 728214

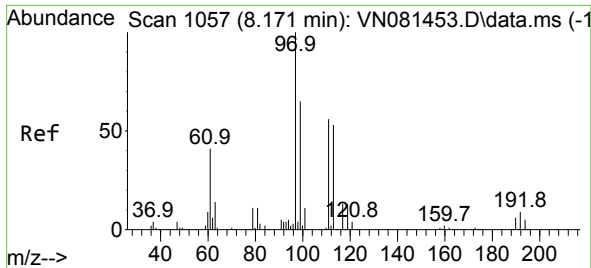
Ion Ratio Lower Upper

114 100

63 18.5 0.0 48.0

88 15.7 0.0 34.8

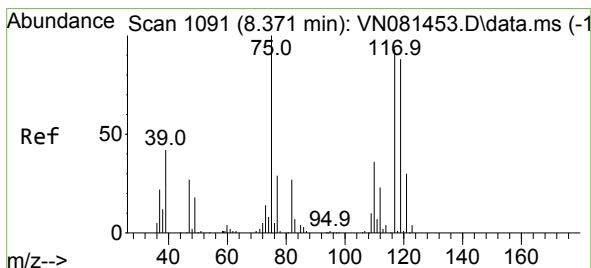
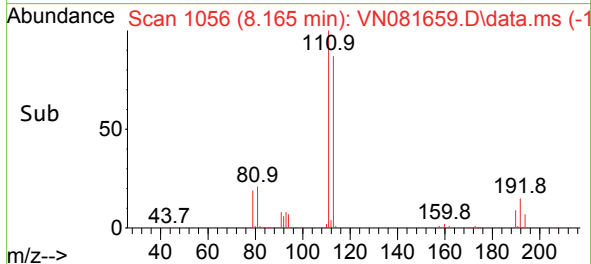
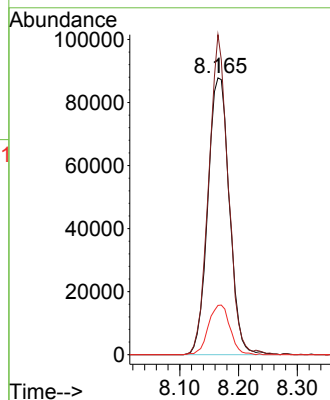
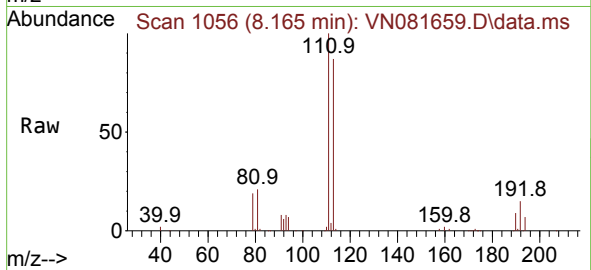




#35
 Dibromofluoromethane
 Concen: 48.615 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.006 min
 Lab File: VN081659.D
 Acq: 03 Apr 2024 13:54

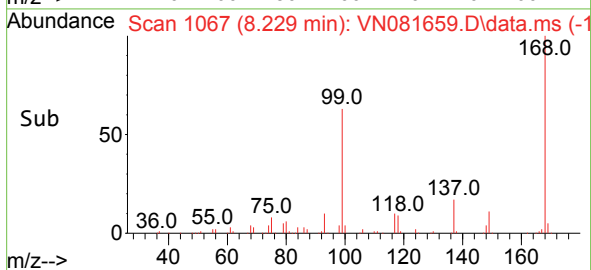
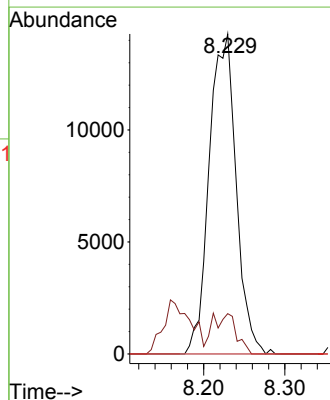
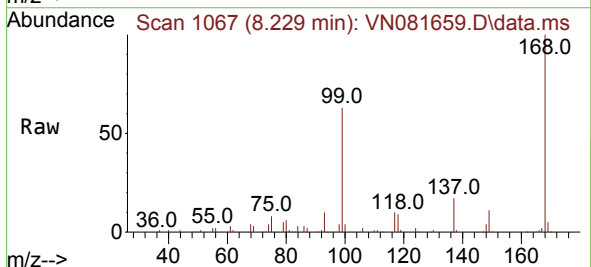
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBL01

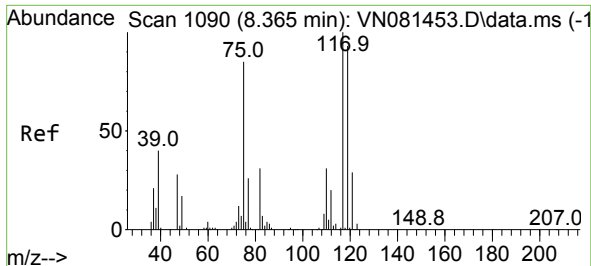
Tgt Ion:113 Resp: 223424
 Ion Ratio Lower Upper
 113 100
 111 105.1 82.2 123.4
 192 17.9 12.5 18.7



#36
 1,1-Dichloropropene
 Concen: 4.256 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.141 min
 Lab File: VN081659.D
 Acq: 03 Apr 2024 13:54

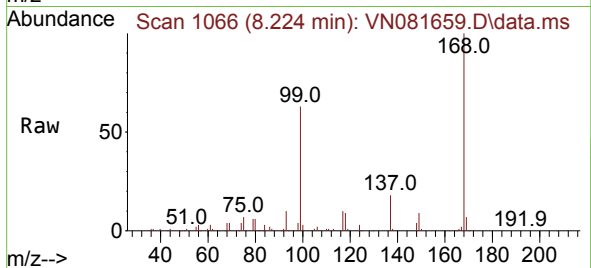
Tgt Ion: 75 Resp: 32915
 Ion Ratio Lower Upper
 75 100
 110 11.1 16.0 48.0#
 77 0.0 25.8 38.6#



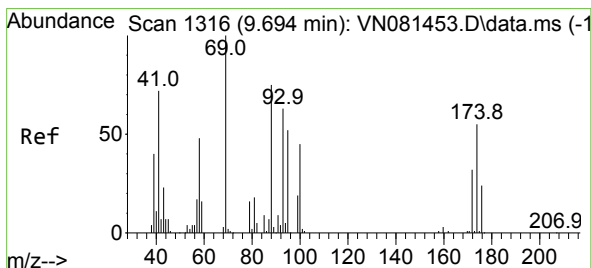
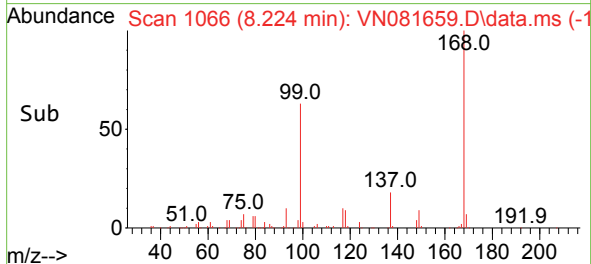
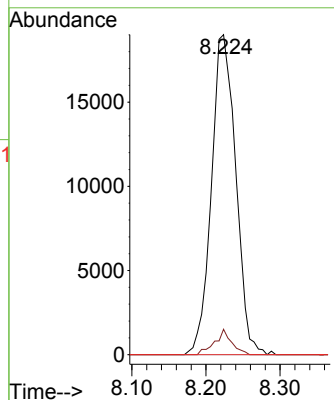


#38
Carbon Tetrachloride
Concen: 5.120 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.141 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0403MBL01

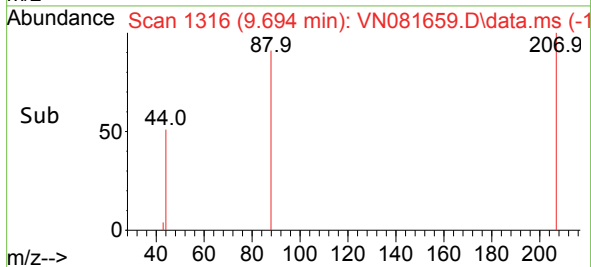
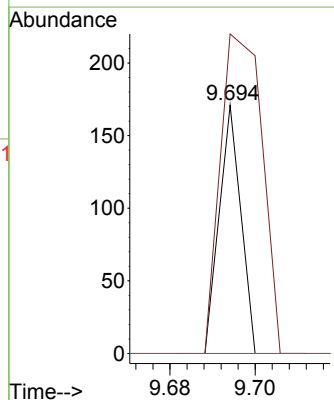
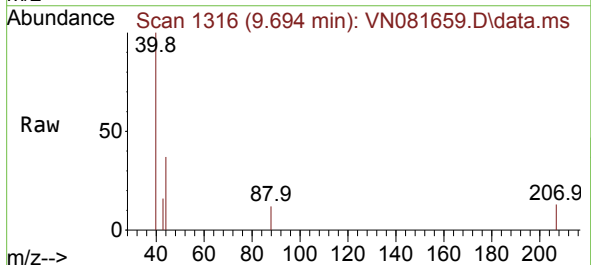


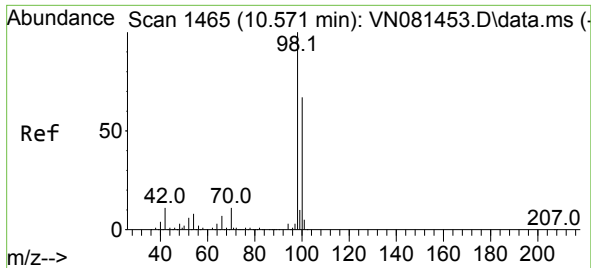
Tgt Ion:117 Resp: 43383
Ion Ratio Lower Upper
117 100
119 8.0 73.4 110.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.493 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 250.0 30.1 45.1#
58 0.0 63.9 95.9#

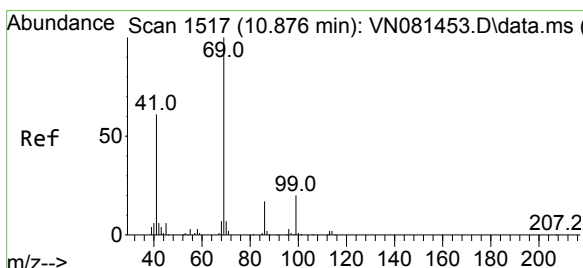
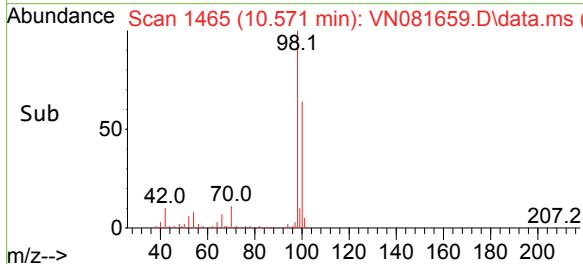
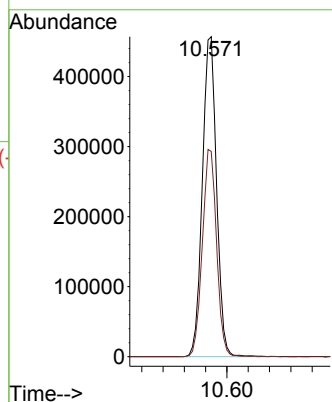
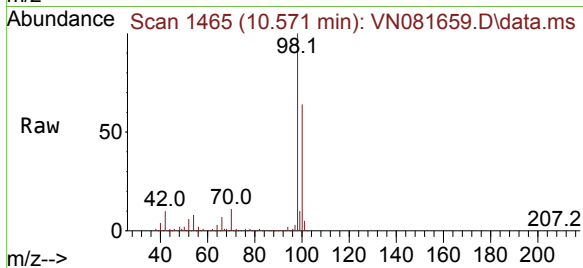




#50
Toluene-d8
Concen: 50.770 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

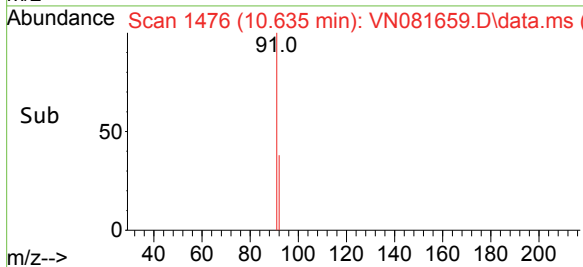
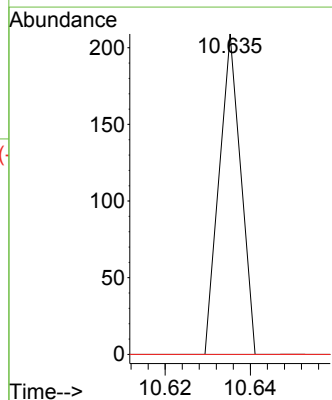
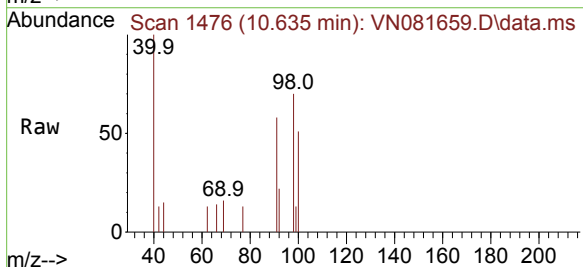
Instrument :
MSVOA_N
ClientSampleId :
VN0403MBL01

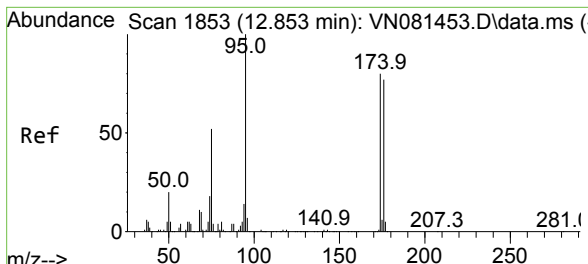
Tgt Ion: 98 Resp: 843457
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#56
Ethyl methacrylate
Concen: 0.580 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.241 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

Tgt Ion: 69 Resp: 74
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#



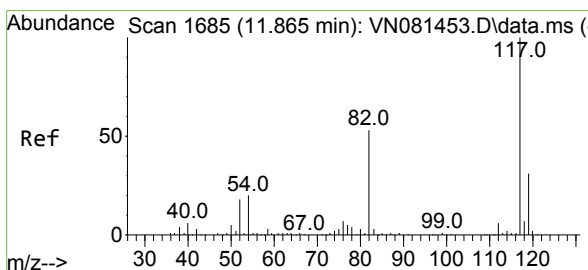
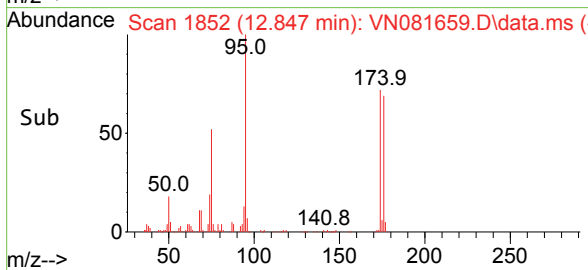
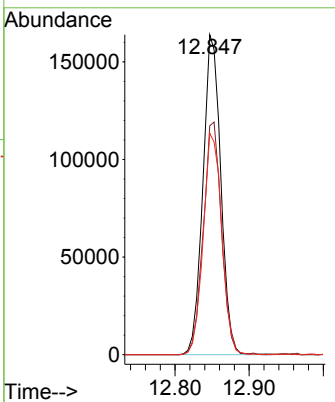
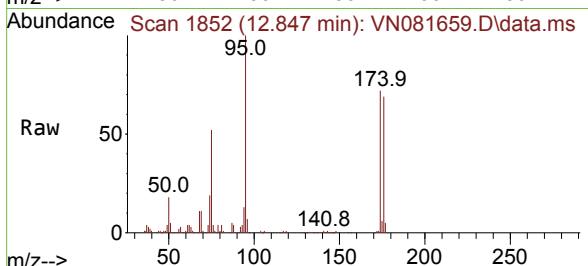


#62
 4-Bromofluorobenzene
 Concen: 46.768 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: VN081659.D
 Acq: 03 Apr 2024 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBL01

Tgt Ion: 95 Resp: 273770

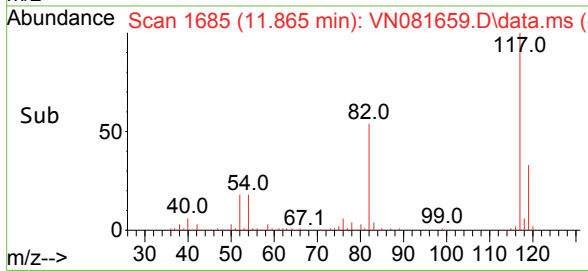
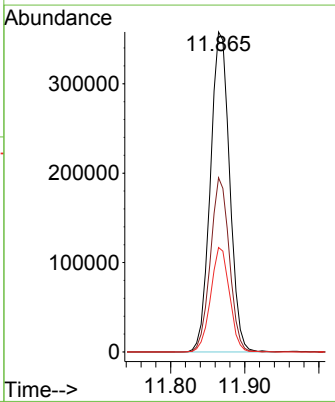
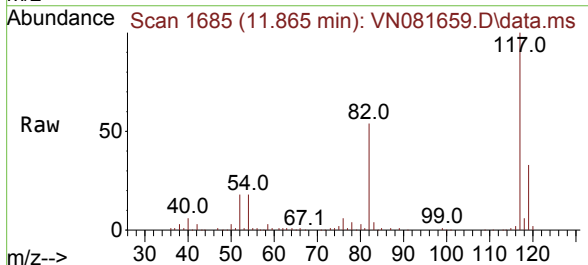
Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	120.4
176	71.9	0.0	121.0

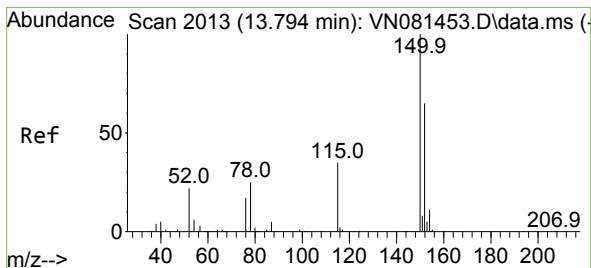


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081659.D
 Acq: 03 Apr 2024 13:54

Tgt Ion: 117 Resp: 645524

Ion	Ratio	Lower	Upper
117	100		
82	54.5	52.7	79.1
119	32.7	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: VN081659.D

Acq: 03 Apr 2024 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0403MBL01

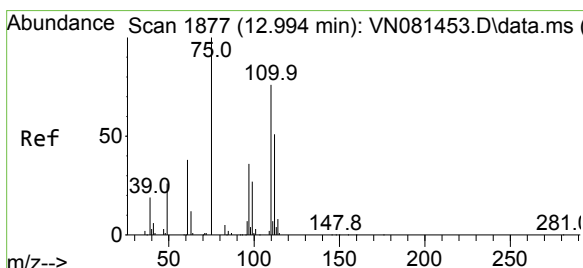
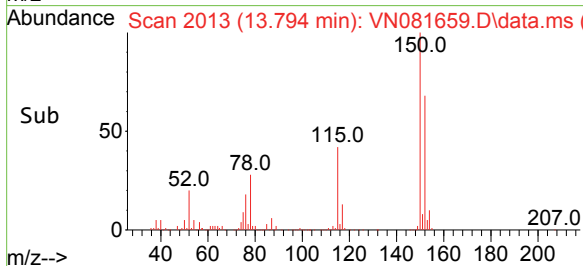
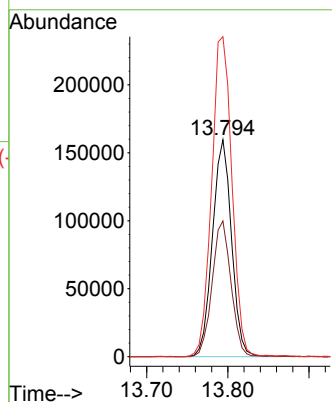
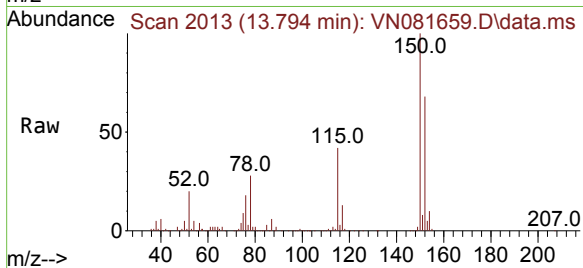
Tgt Ion:152 Resp: 260441

Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

150 157.3 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 23.007 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081659.D

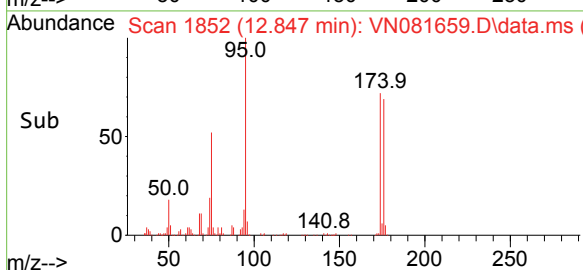
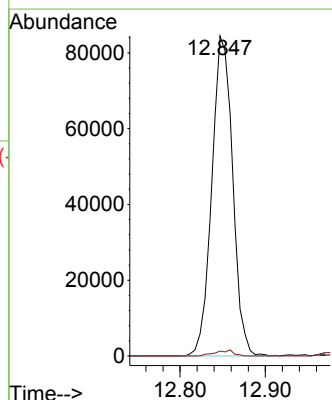
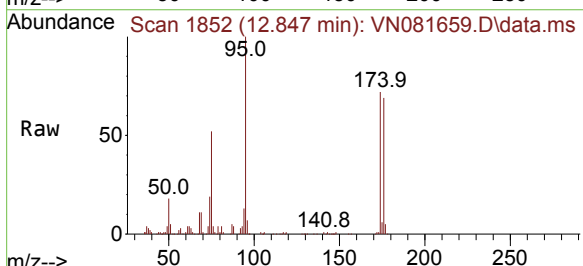
Acq: 03 Apr 2024 13:54

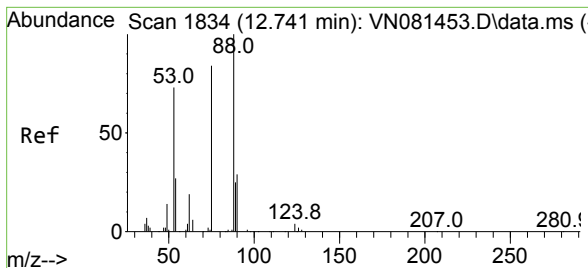
Tgt Ion: 75 Resp: 143329

Ion Ratio Lower Upper

75 100

77 1.6 91.0 272.8#

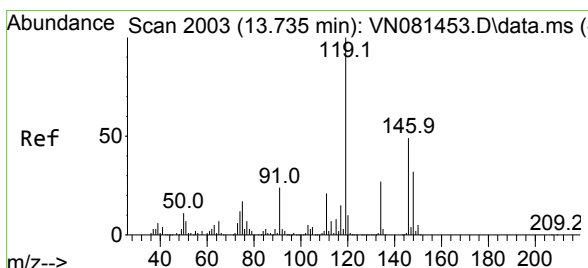
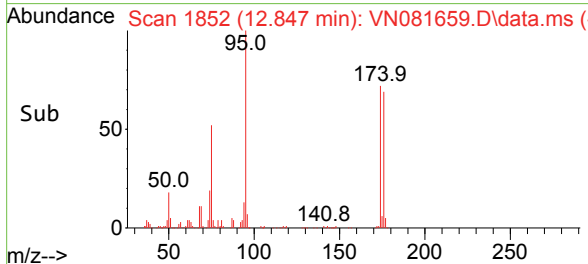
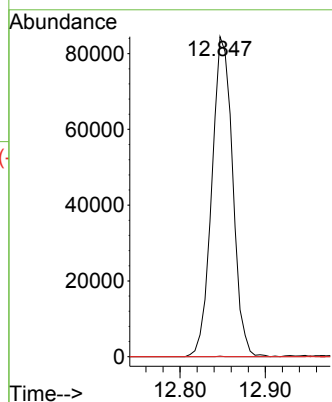
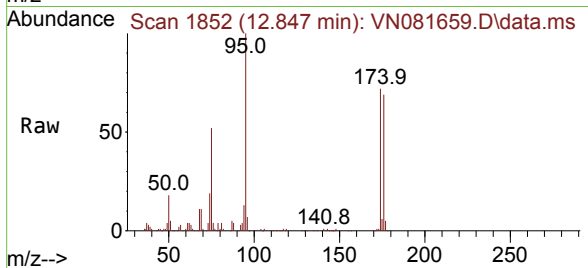




#81
trans-1,4-Dichloro-2-butene
Concen: 62.172 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

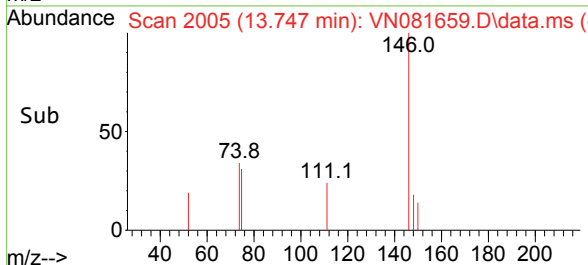
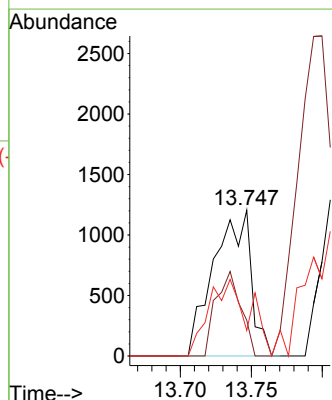
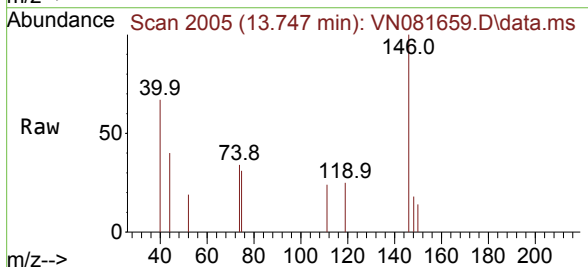
Instrument :
MSVOA_N
ClientSampleId :
VN0403MBL01

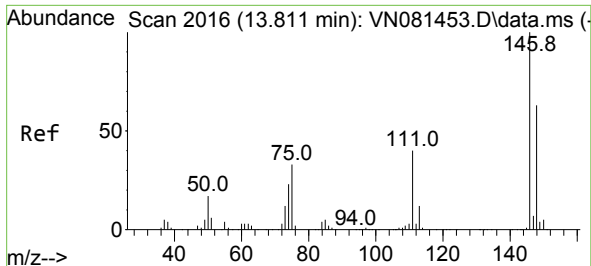
Tgt Ion: 75 Resp: 143329
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#87
1,3-Dichlorobenzene
Concen: 0.219 ug/l
RT: 13.747 min Scan# 2005
Delta R.T. 0.012 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

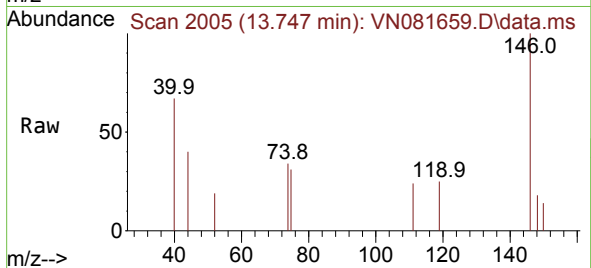
Tgt Ion:146 Resp: 2202
Ion Ratio Lower Upper
146 100
111 38.8 23.9 71.7
148 56.3 32.6 97.7



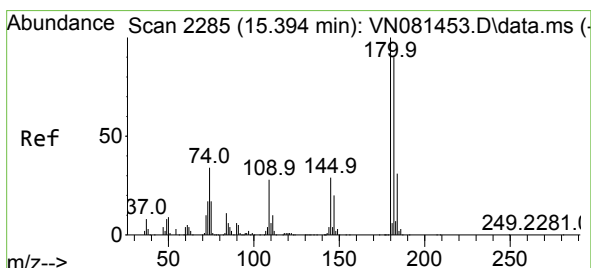
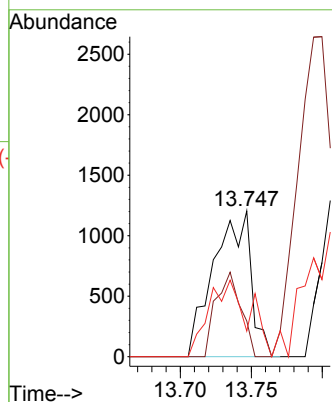
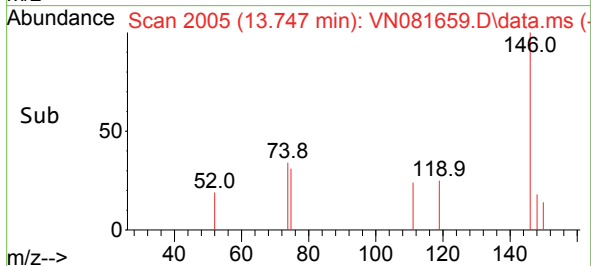


#88
1,4-Dichlorobenzene
Concen: 0.211 ug/l
RT: 13.747 min Scan# 2016
Delta R.T. -0.065 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

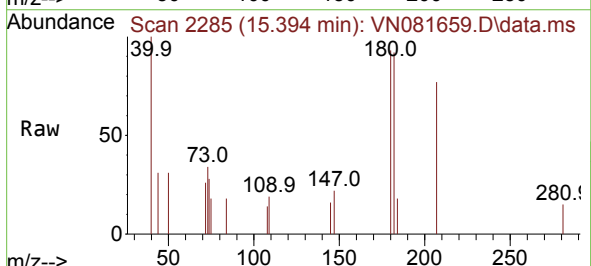
Instrument :
MSVOA_N
ClientSampleId :
VN0403MBL01



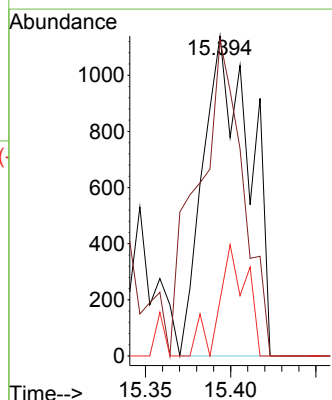
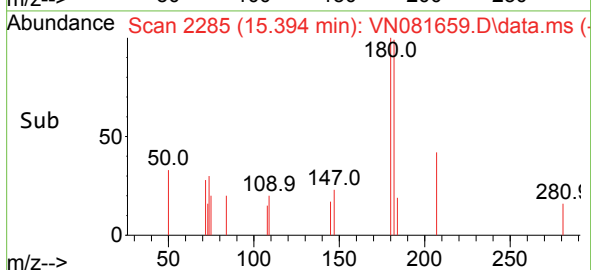
Tgt Ion:146 Resp: 2202
Ion Ratio Lower Upper
146 100
111 38.8 22.6 67.7
148 56.3 31.9 95.5

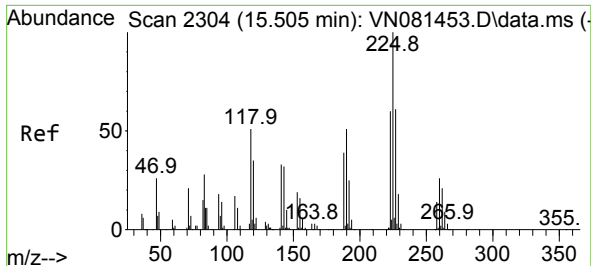


#93
1,2,4-Trichlorobenzene
Concen: 0.387 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54



Tgt Ion:180 Resp: 2169
Ion Ratio Lower Upper
180 100
182 95.7 46.6 139.7
145 20.8 16.8 50.3

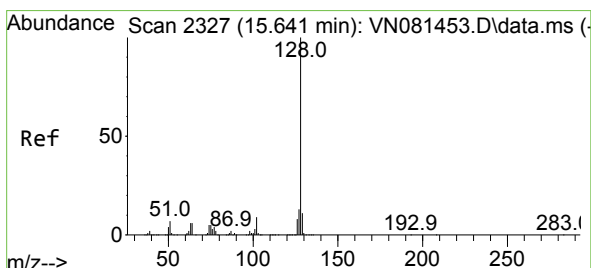
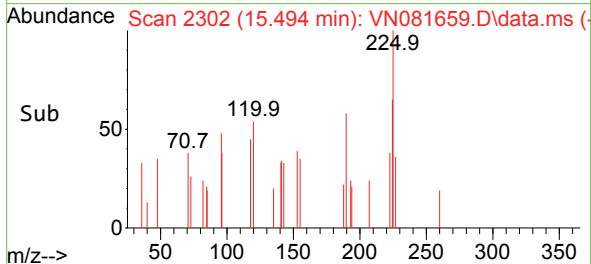
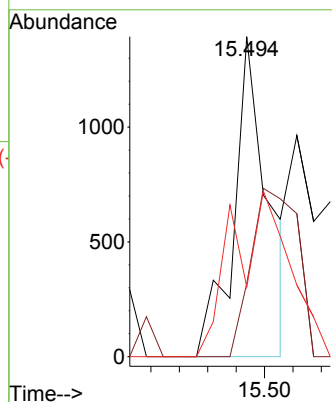
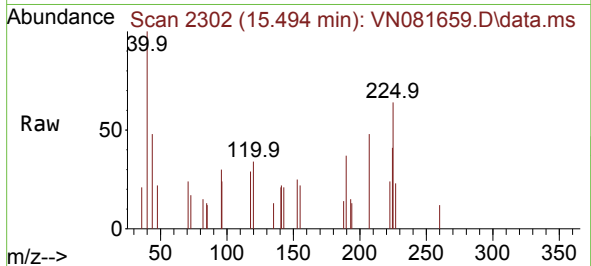




#94
Hexachlorobutadiene
Concen: 0.471 ug/l
RT: 15.494 min Scan# 21158
Delta R.T. -0.012 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

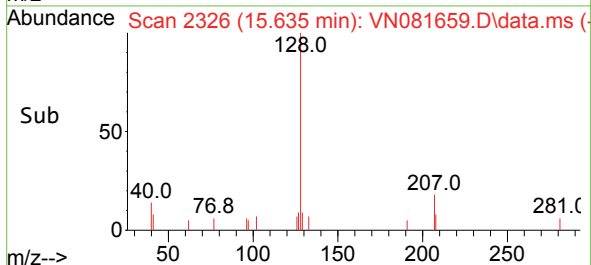
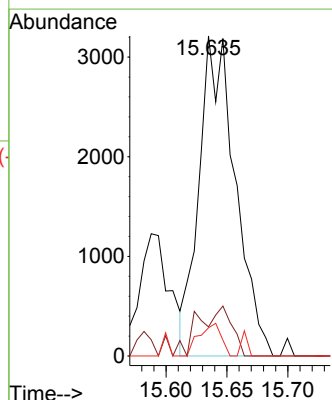
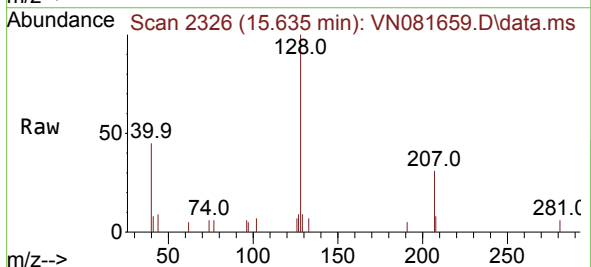
Instrument :
MSVOA_N
ClientSampleId :
VN0403MBL01

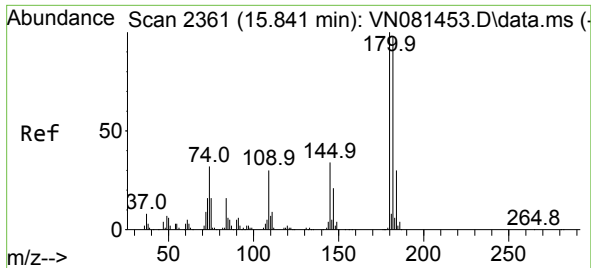
Tgt Ion:225 Resp: 1158
Ion Ratio Lower Upper
225 100
223 72.0 33.3 99.8
227 86.8 33.1 99.2



#95
Naphthalene
Concen: 0.365 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN081659.D
Acq: 03 Apr 2024 13:54

Tgt Ion:128 Resp: 6629
Ion Ratio Lower Upper
128 100
127 7.8 10.0 15.0#
129 6.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.380 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN081659.D
 Acq: 03 Apr 2024 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403MBL01

Tgt Ion:	180	Resp:	2143
Ion Ratio	Lower	Upper	
180	100		
182	90.4	46.5	139.3
145	43.9	17.8	53.4

