

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081088.D
 Acq On : 20 Feb 2024 10:59
 Operator : JC\MD
 Sample : VN0220MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220MBL01

Quant Time: Feb 21 00:17:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

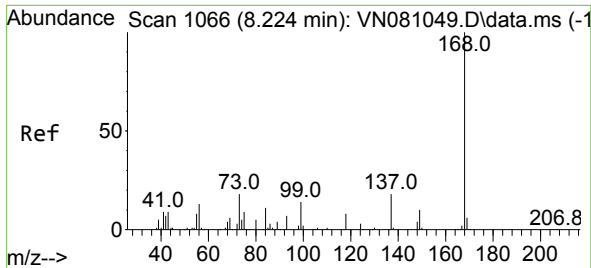
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	399596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	732496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	618825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	267484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	236327	48.250	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.500%
35) Dibromofluoromethane	8.165	113	202403	48.866	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.740%
50) Toluene-d8	10.565	98	688396	46.793	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.580%
62) 4-Bromofluorobenzene	12.847	95	249218	45.084	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2061	Below Cal	#	81
5) Bromomethane	2.971	94	1126	0.276	ug/l #	67
6) Chloroethane	3.112	64	523	Below Cal	#	63
10) Methyl Iodide	4.595	142	1677	0.321	ug/l #	86
13) Acrolein	4.171	56	756	1.566	ug/l #	1
15) Acrylonitrile	5.712	53	830	0.353	ug/l #	31
16) Acetone	4.430	43	960	0.498	ug/l #	44
17) Carbon Disulfide	4.718	76	4896	0.388	ug/l #	78
20) Methylene Chloride	5.289	84	614	Below Cal	#	66
31) Cyclohexane	8.230	56	10026	1.186	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	34238	4.825	ug/l #	52
38) Carbon Tetrachloride	8.218	117	42546	5.926	ug/l #	16
43) Isopropyl Acetate	8.636	43	258444	23.074	ug/l #	57
49) 1,4-Dioxane	9.700	88	526	Below Cal	#	66
59) 2-Hexanone	11.177	43	1491	0.292	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	132711	21.837	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	132711	56.206	ug/l #	14
89) n-Butylbenzene	14.047	91	3869	0.234	ug/l #	36
93) 1,2,4-Trichlorobenzene	15.394	180	1854	0.349	ug/l	93
94) Hexachlorobutadiene	15.506	225	1524	0.770	ug/l	81
95) Naphthalene	15.641	128	5879	0.302	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.835	180	1578	0.300	ug/l	73

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

Quant Time: Feb 21 00:17:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

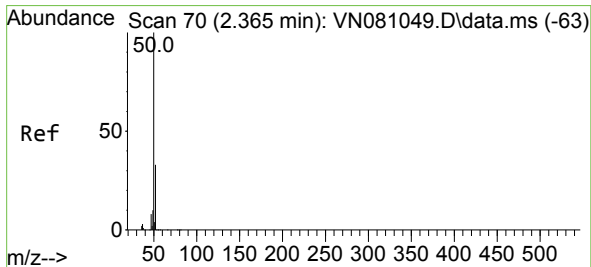
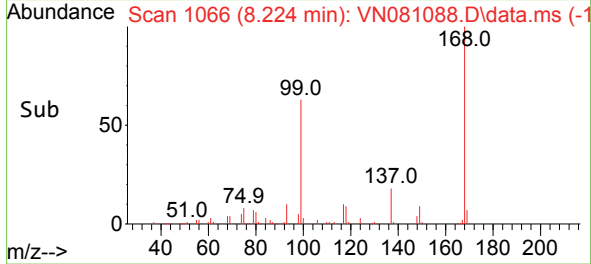
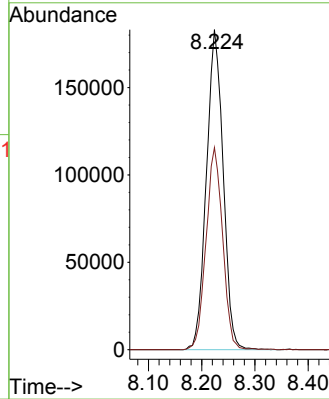
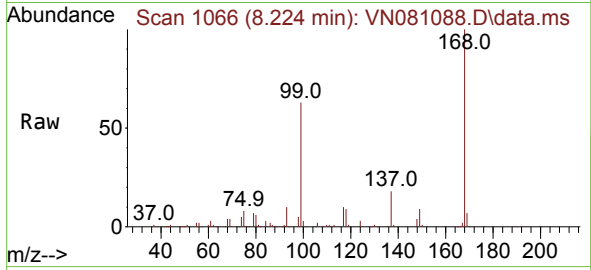




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

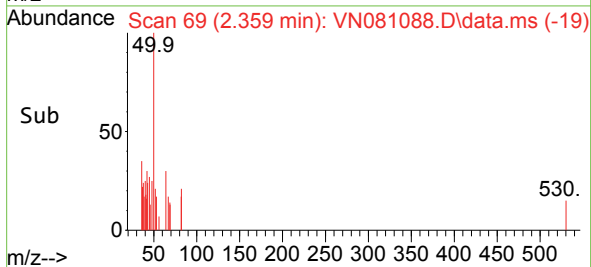
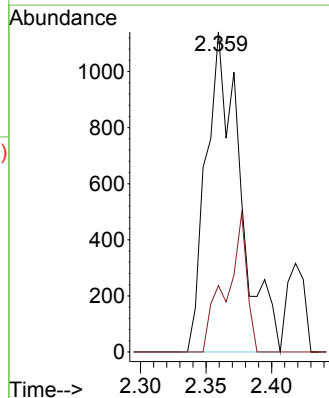
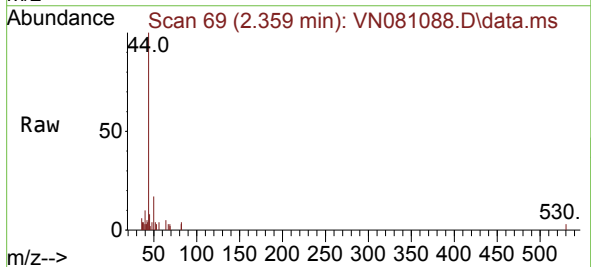
Instrument :
MSVOA_N
ClientSampleId :
VN0220MBL01

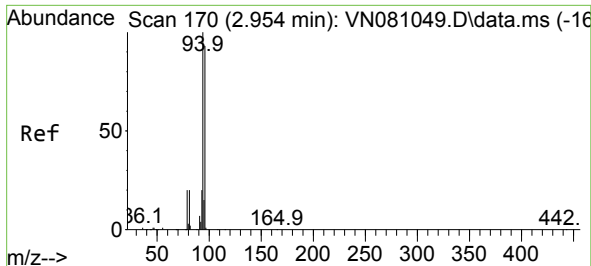
Tgt Ion:168 Resp: 399596
Ion Ratio Lower Upper
168 100
99 63.1 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Tgt Ion: 50 Resp: 2061
Ion Ratio Lower Upper
50 100
52 20.8 25.0 37.4#

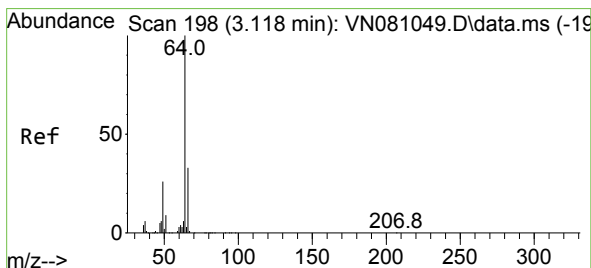
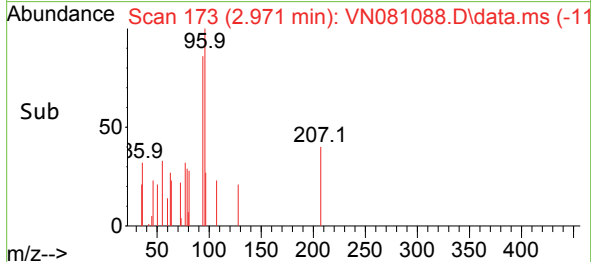
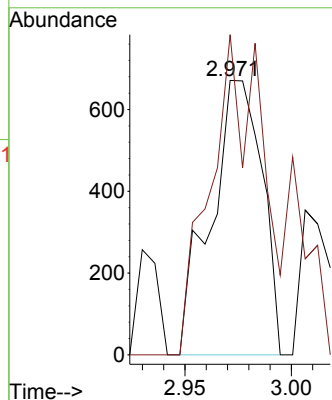
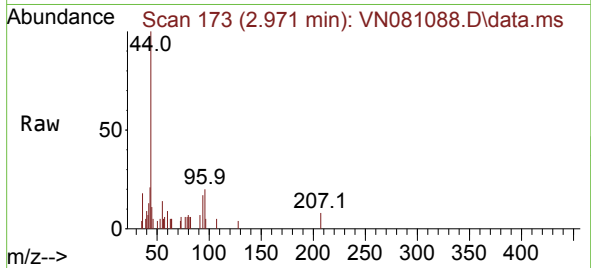




#5
Bromomethane
Concen: 0.276 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

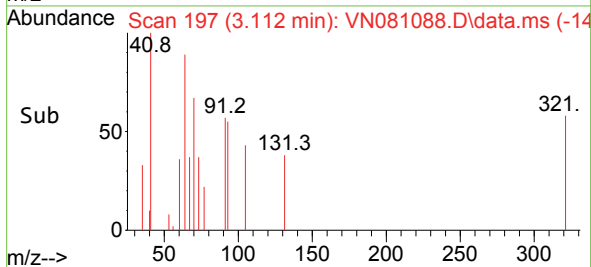
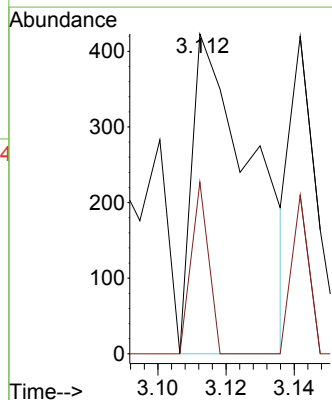
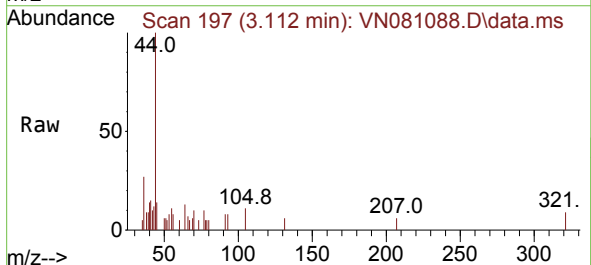
Instrument :
MSVOA_N
ClientSampleId :
VN0220MBL01

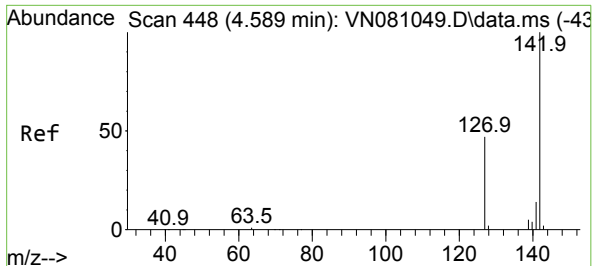
Tgt Ion: 94 Resp: 1126
Ion Ratio Lower Upper
94 100
96 116.7 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Tgt Ion: 64 Resp: 523
Ion Ratio Lower Upper
64 100
66 53.7 26.4 39.6#

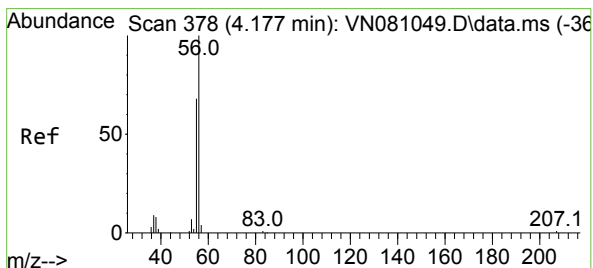
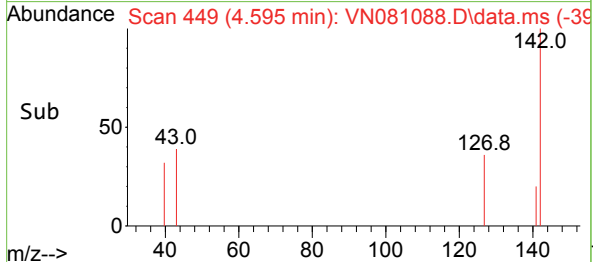
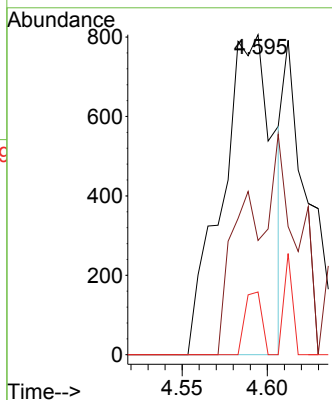
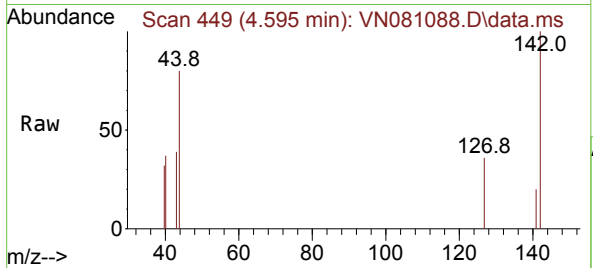




#10
Methyl Iodide
Concen: 0.321 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

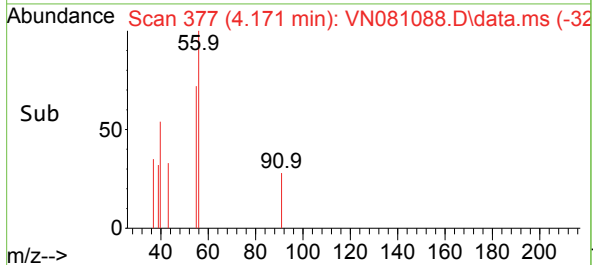
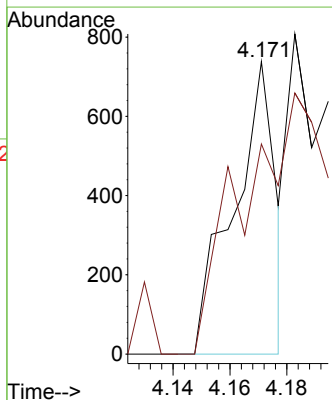
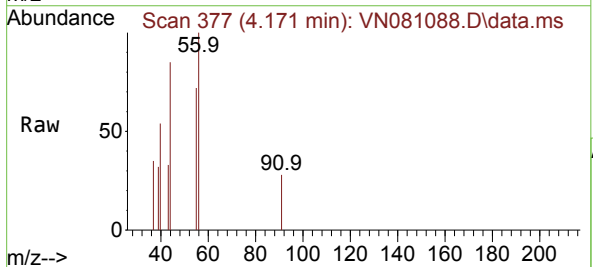
Instrument :
MSVOA_N
ClientSampleId :
VN0220MBL01

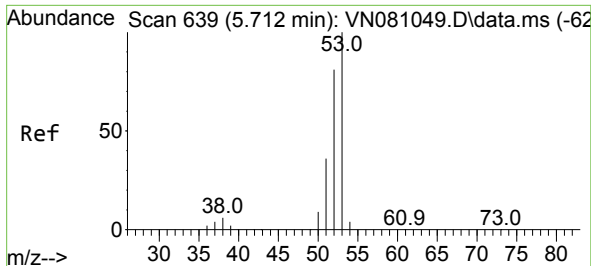
Tgt Ion:142 Resp: 1677
Ion Ratio Lower Upper
142 100
127 35.7 37.0 55.4#
141 19.6 12.5 18.7#



#13
Acrolein
Concen: 1.566 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Tgt Ion: 56 Resp: 756
Ion Ratio Lower Upper
56 100
55 203.8 55.3 82.9#

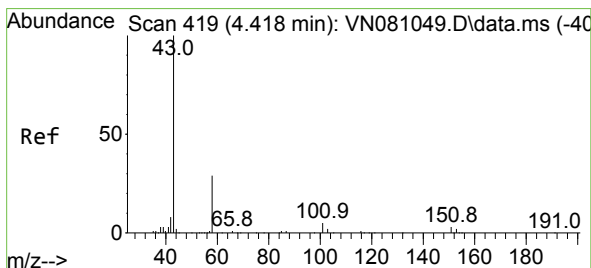
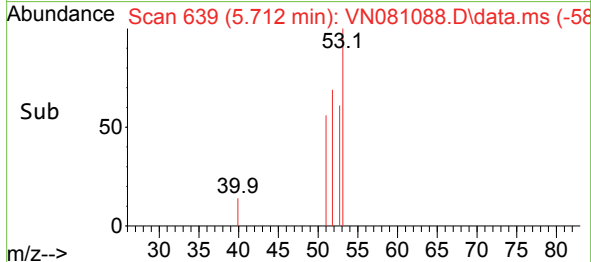
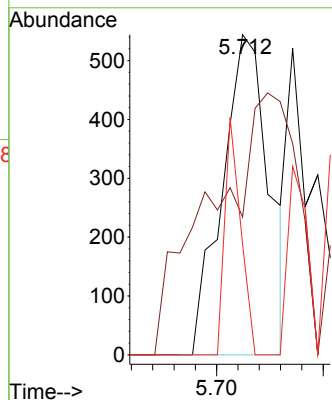
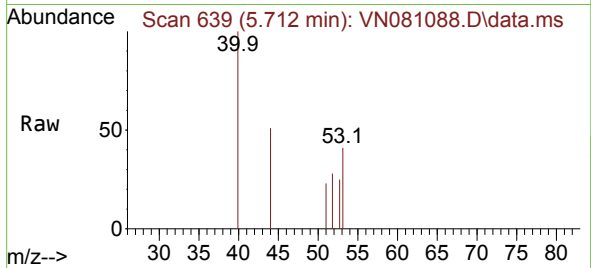




#15
Acrylonitrile
Concen: 0.353 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

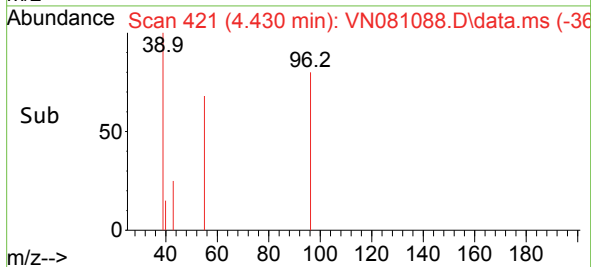
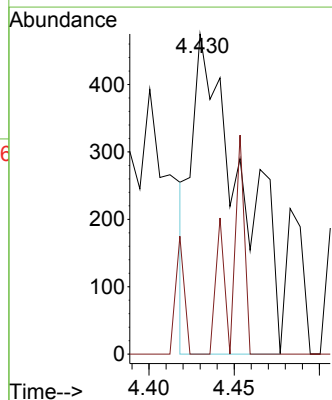
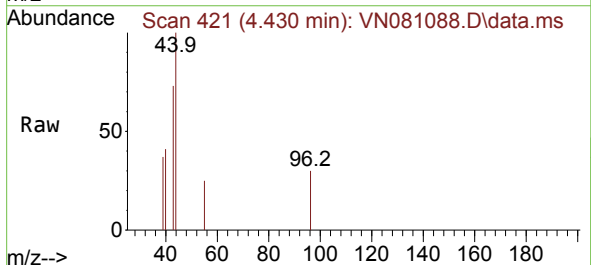
Instrument :
MSVOA_N
ClientSampleId :
VN0220MBL01

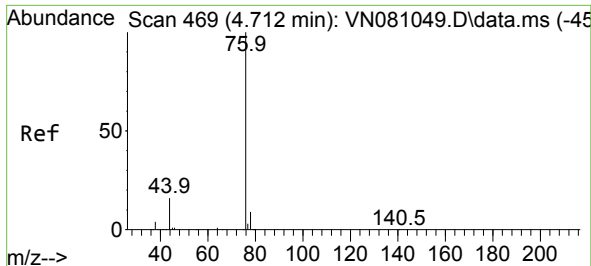
Tgt Ion: 53 Resp: 830
Ion Ratio Lower Upper
53 100
52 0.0 64.8 97.2#
51 25.2 26.9 40.3#



#16
Acetone
Concen: 0.498 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Tgt Ion: 43 Resp: 960
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.388 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN081088.D

Acq: 20 Feb 2024 10:59

Instrument :

MSVOA_N

ClientSampleId :

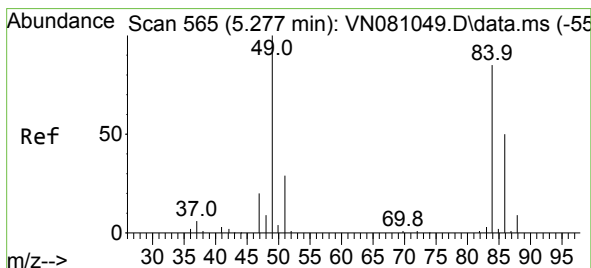
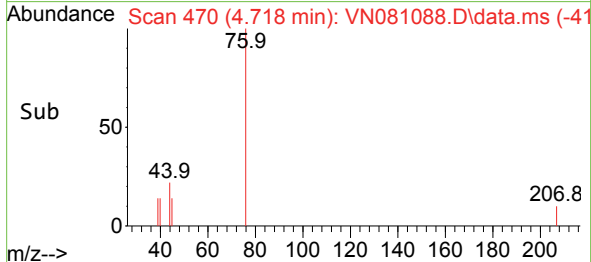
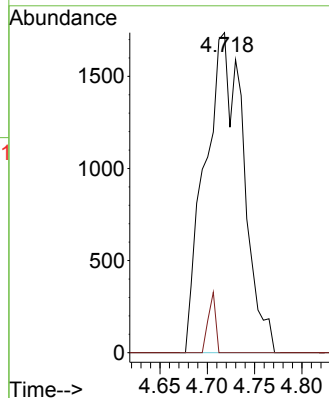
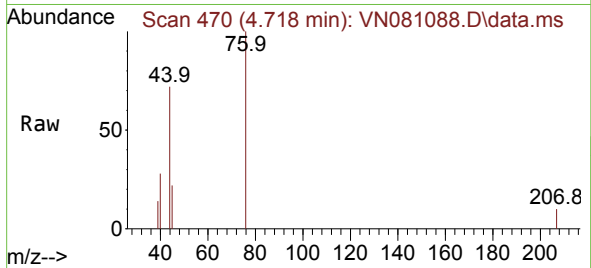
VN0220MBL01

Tgt Ion: 76 Resp: 4896

Ion Ratio Lower Upper

76 100

78 0.0 6.3 9.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 567

Delta R.T. 0.012 min

Lab File: VN081088.D

Acq: 20 Feb 2024 10:59

Tgt Ion: 84 Resp: 614

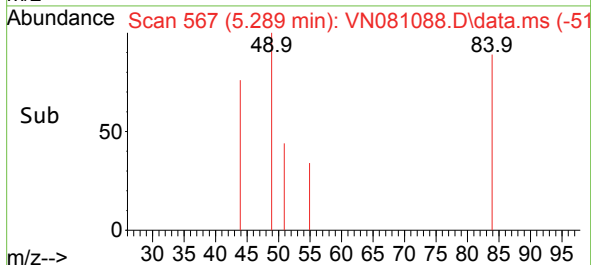
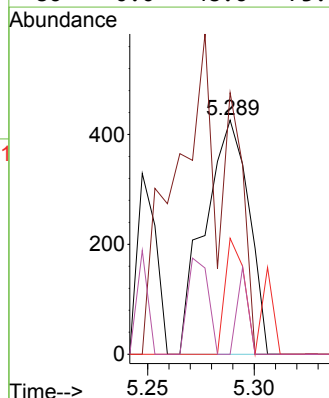
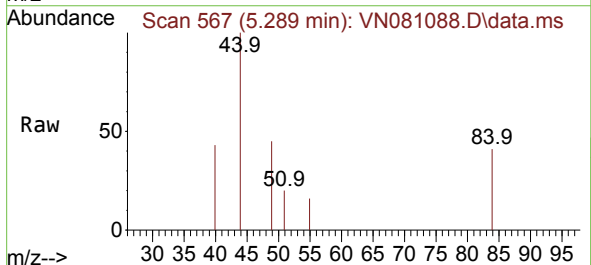
Ion Ratio Lower Upper

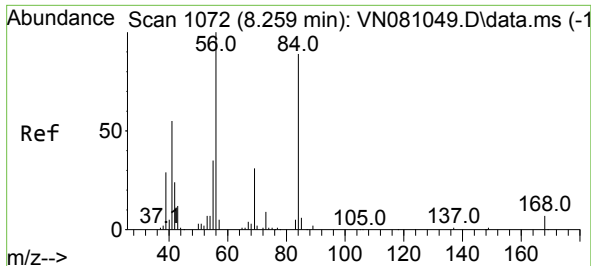
84 100

49 111.7 108.1 162.1

51 49.5 32.9 49.3#

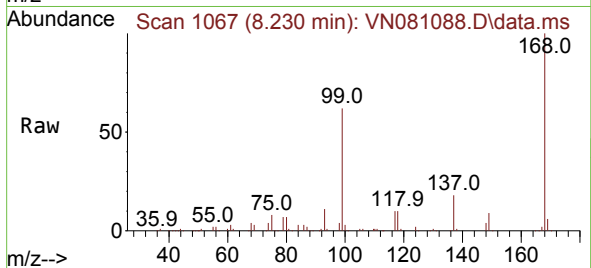
86 0.0 48.6 73.0#



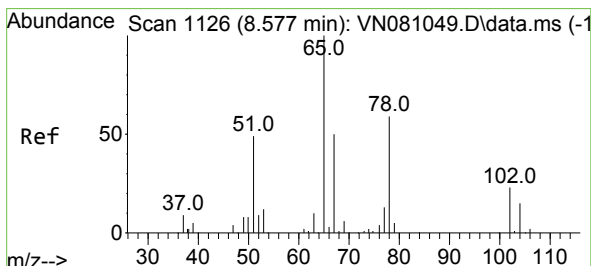
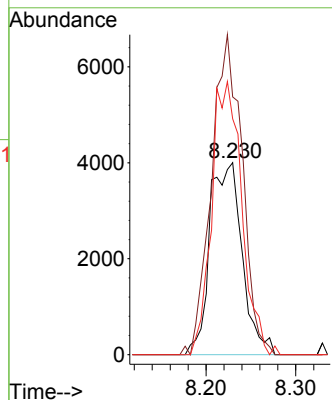
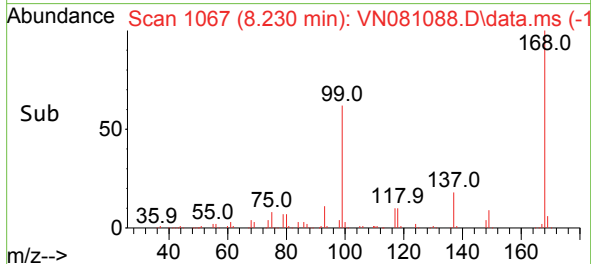


#31
Cyclohexane
Concen: 1.186 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Instrument :
MSVOA_N
ClientSampleId :
VN0220MBL01

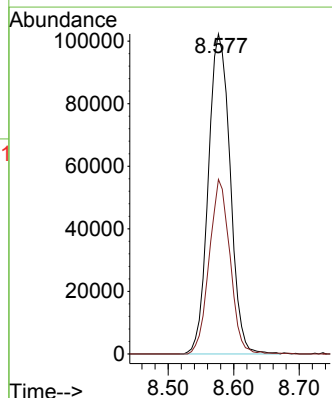
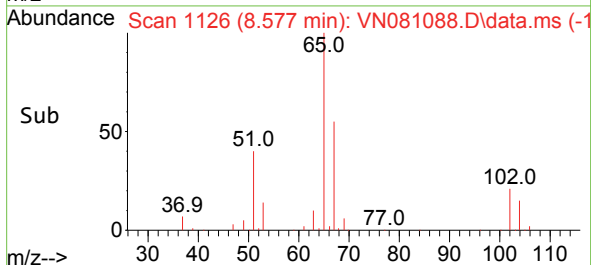
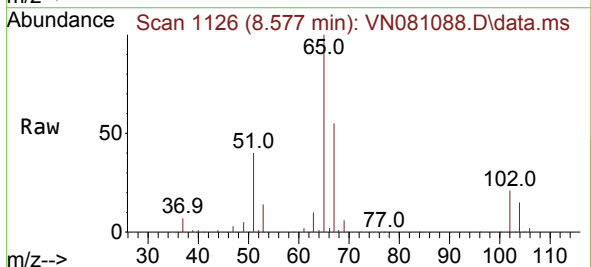


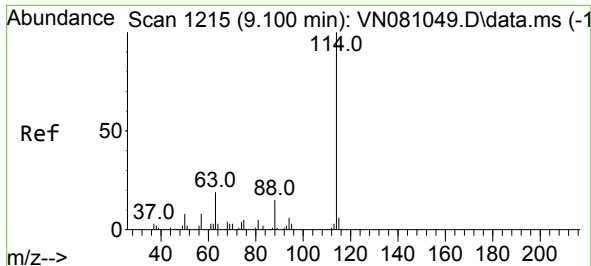
Tgt Ion: 56 Resp: 10026
Ion Ratio Lower Upper
56 100
69 134.2 20.1 30.1#
84 122.8 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 48.250 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Tgt Ion: 65 Resp: 236327
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# 114

Delta R.T. -0.000 min

Lab File: VN081088.D

Acq: 20 Feb 2024 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0220MBL01

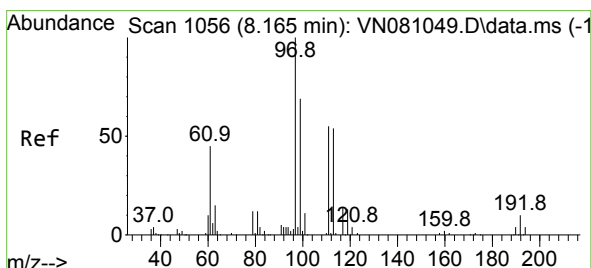
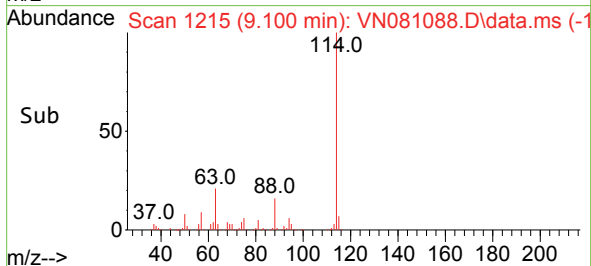
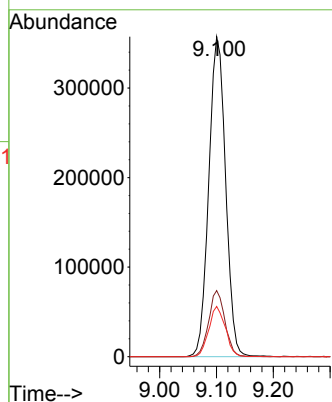
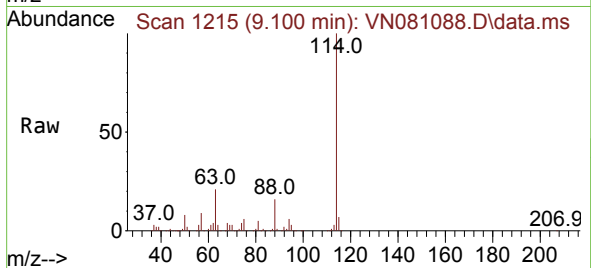
Tgt Ion:114 Resp: 732496

Ion Ratio Lower Upper

114 100

63 20.7 0.0 48.0

88 15.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.866 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081088.D

Acq: 20 Feb 2024 10:59

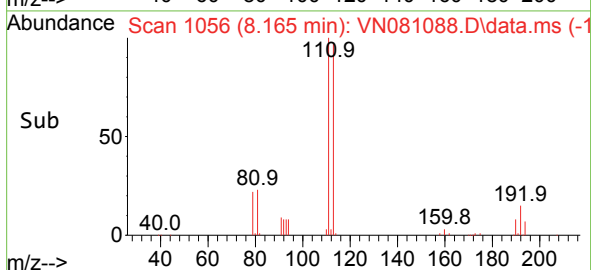
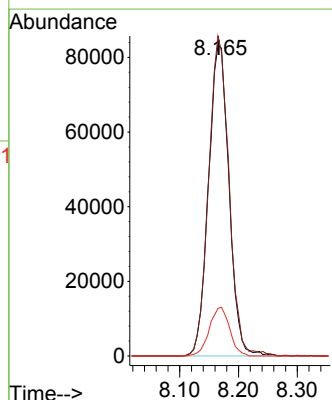
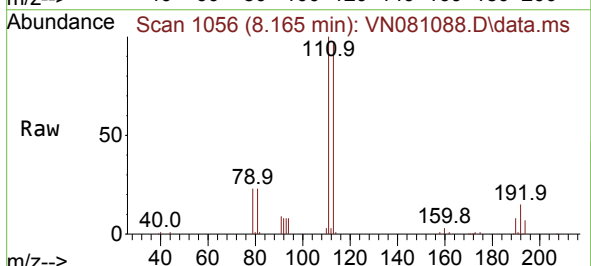
Tgt Ion:113 Resp: 202403

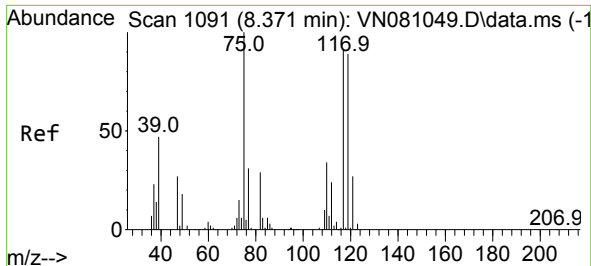
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 15.5 12.5 18.7

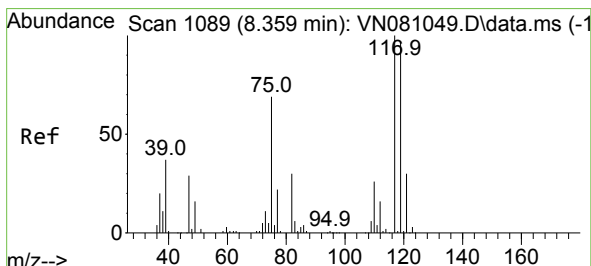
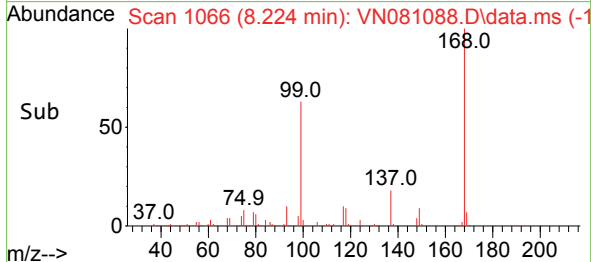
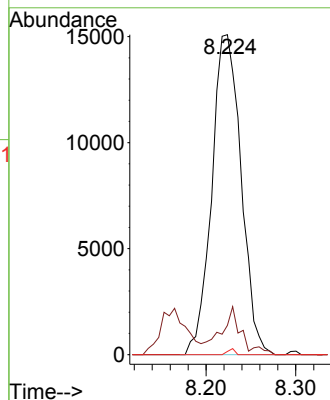
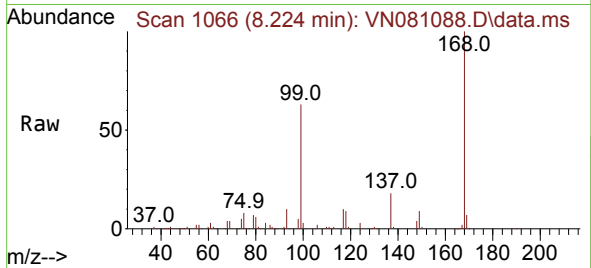




#36
1,1-Dichloropropene
Concen: 4.825 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

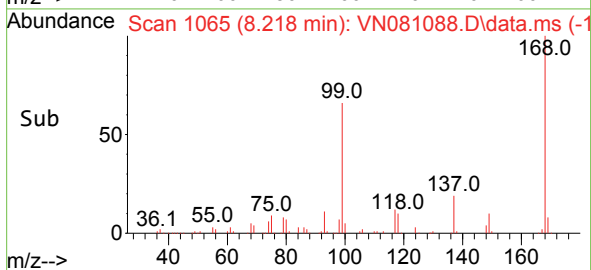
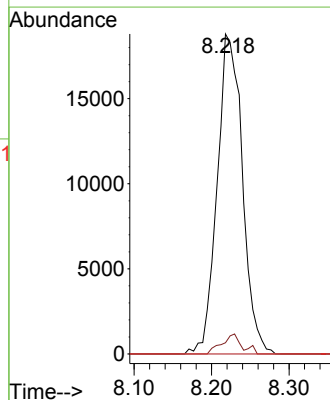
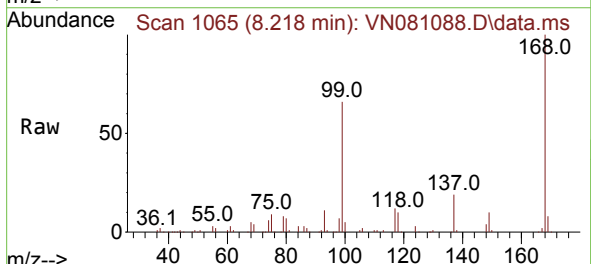
Instrument :
MSVOA_N
ClientSampleId :
VN0220MBL01

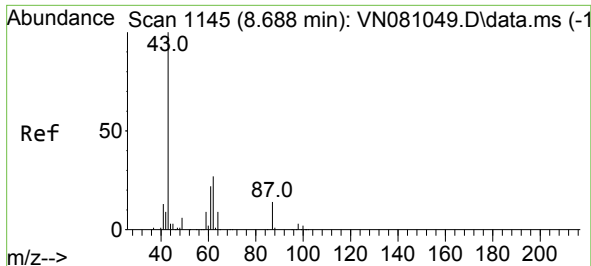
Tgt Ion: 75 Resp: 34238
Ion Ratio Lower Upper
75 100
110 10.7 16.0 48.0#
77 0.4 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 5.926 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Tgt Ion: 117 Resp: 42546
Ion Ratio Lower Upper
117 100
119 3.5 73.4 110.2#
121 0.0 24.4 36.6#

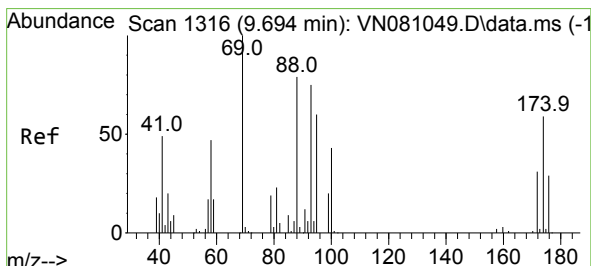
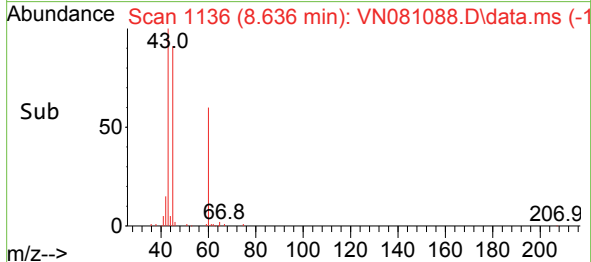
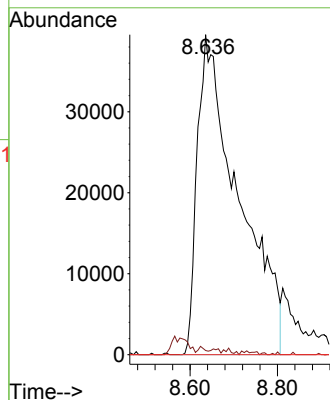
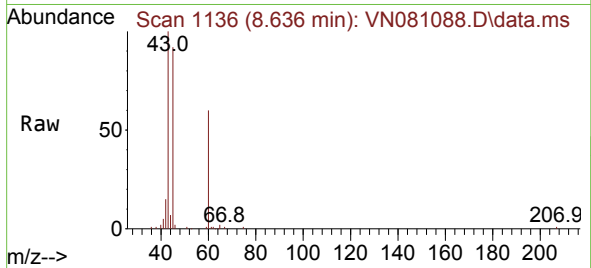




#43
Isopropyl Acetate
Concen: 23.074 ug/l
RT: 8.636 min Scan# 1136
Delta R.T. -0.053 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

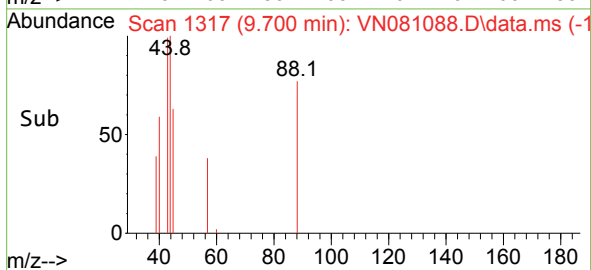
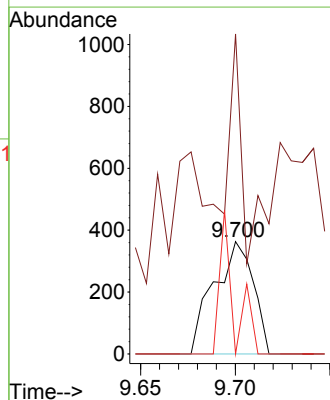
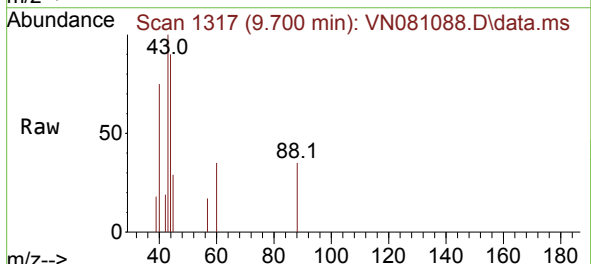
Instrument :
MSVOA_N
ClientSampleId :
VN0220MBL01

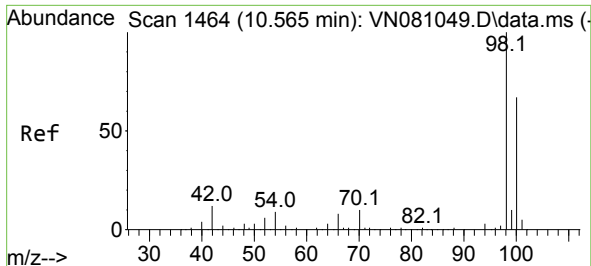
Tgt Ion: 43 Resp: 258444
Ion Ratio Lower Upper
43 100
61 0.3 19.9 29.9#
87 0.0 9.0 13.6#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Tgt Ion: 88 Resp: 526
Ion Ratio Lower Upper
88 100
43 52.1 30.1 45.1#
58 46.2 63.9 95.9#

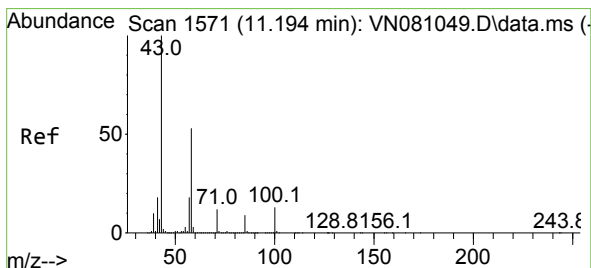
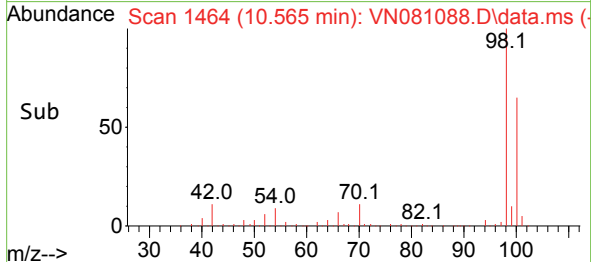
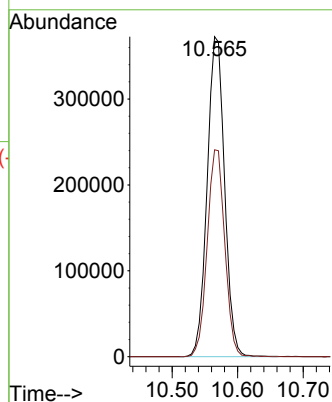
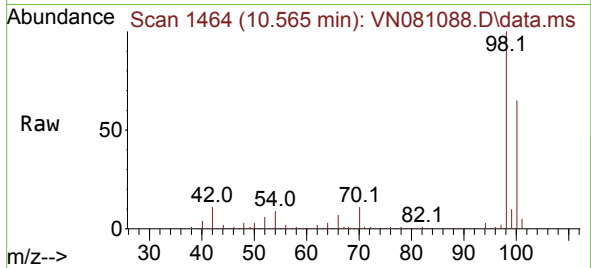




#50
Toluene-d8
Concen: 46.793 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

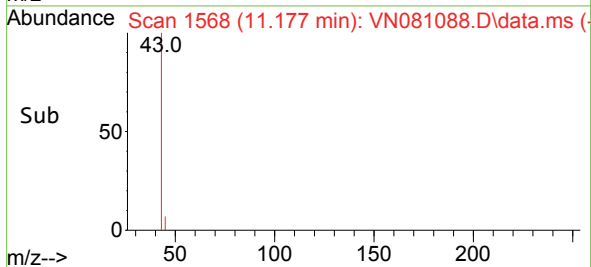
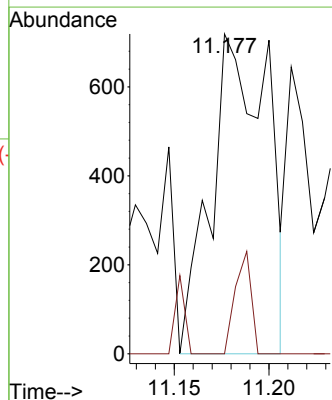
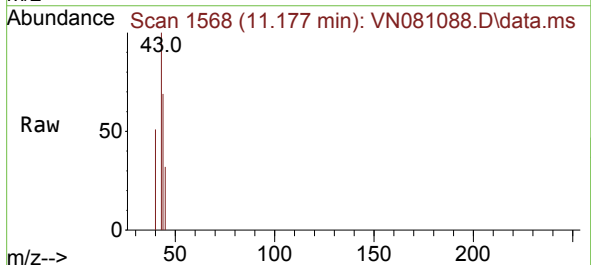
Instrument :
MSVOA_N
ClientSampleId :
VN0220MBL01

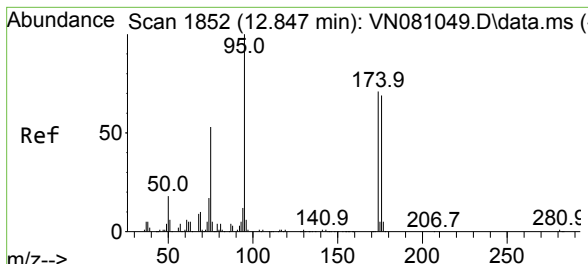
Tgt Ion: 98 Resp: 688396
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#59
2-Hexanone
Concen: 0.292 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.018 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Tgt Ion: 43 Resp: 1491
Ion Ratio Lower Upper
43 100
58 9.0 25.9 77.8#

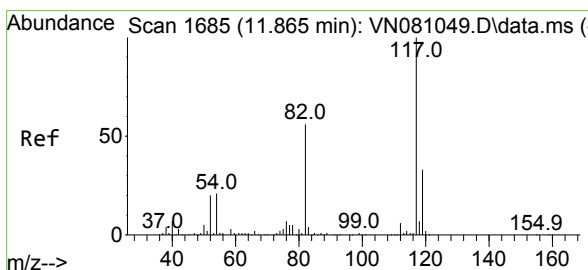
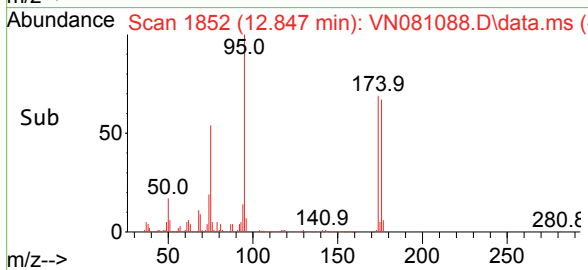
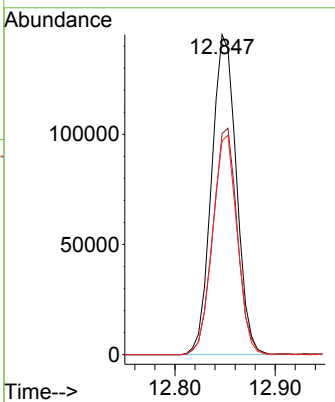
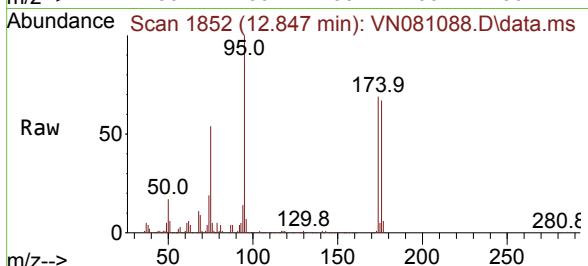




#62
 4-Bromofluorobenzene
 Concen: 45.084 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN081088.D
 Acq: 20 Feb 2024 10:59

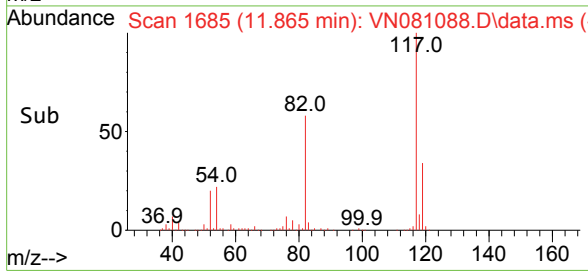
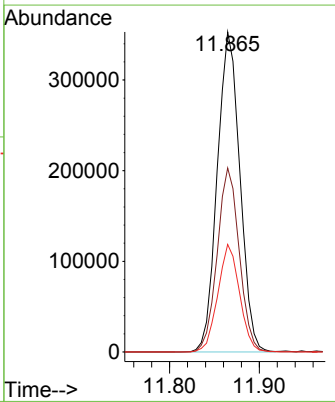
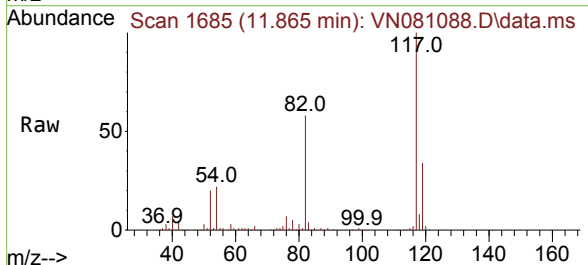
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220MBL01

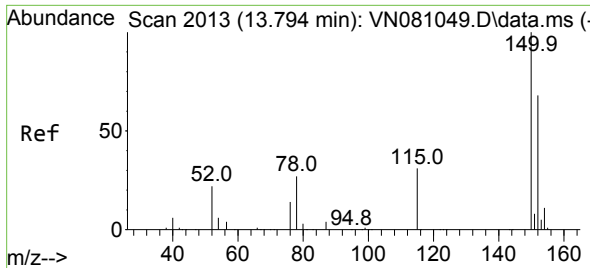
Tgt Ion:	95	Resp:	249218
Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	120.4
176	68.0	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN081088.D
 Acq: 20 Feb 2024 10:59

Tgt Ion:	117	Resp:	618825
Ion	Ratio	Lower	Upper
117	100		
82	57.5	52.7	79.1
119	33.6	25.3	37.9

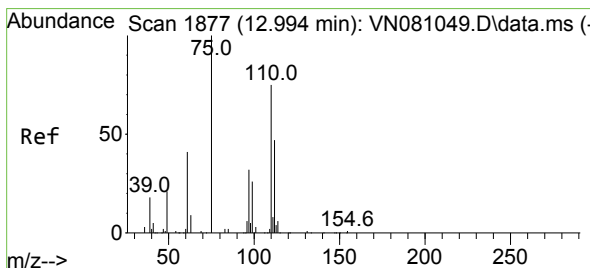
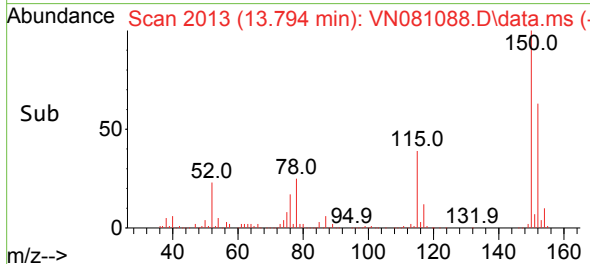
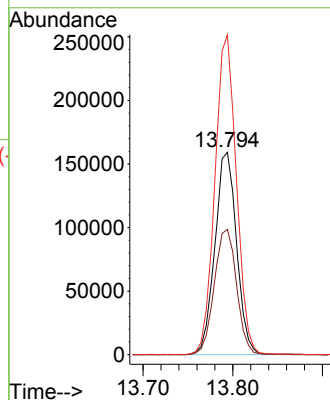
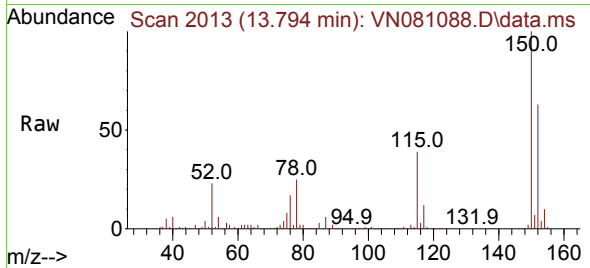




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081088.D
 Acq: 20 Feb 2024 10:59

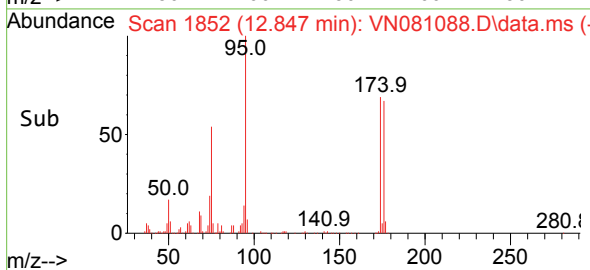
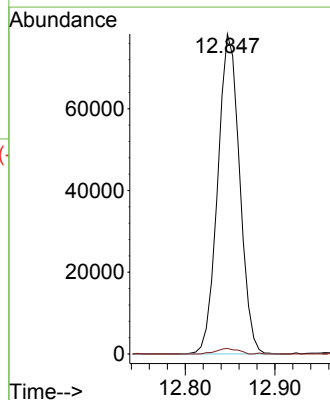
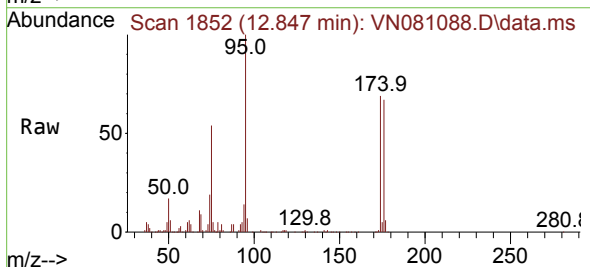
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220MBL01

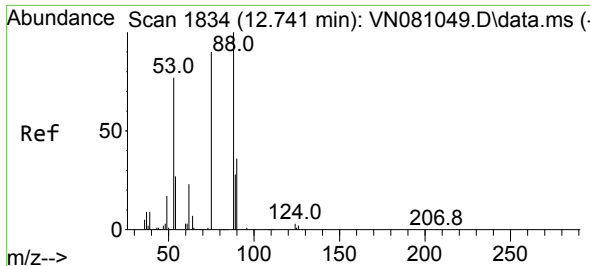
Tgt Ion:152 Resp: 267484
 Ion Ratio Lower Upper
 152 100
 115 63.8 32.3 96.8
 150 156.5 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 21.837 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081088.D
 Acq: 20 Feb 2024 10:59

Tgt Ion: 75 Resp: 132711
 Ion Ratio Lower Upper
 75 100
 77 1.7 91.0 272.8#

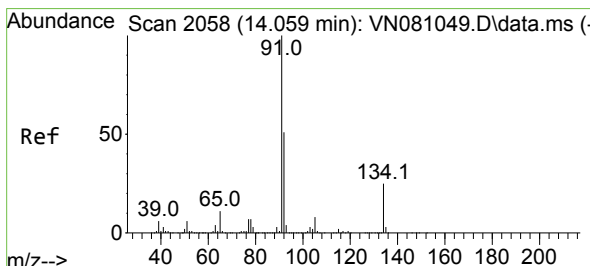
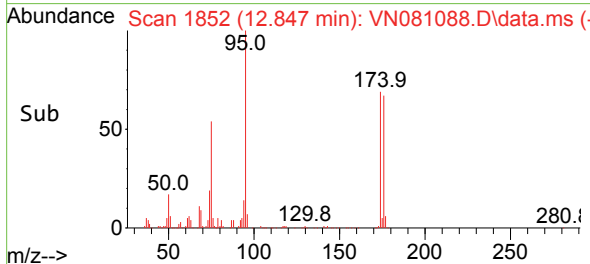
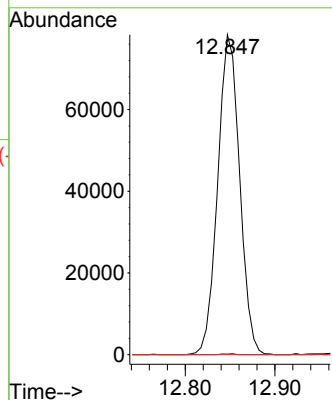
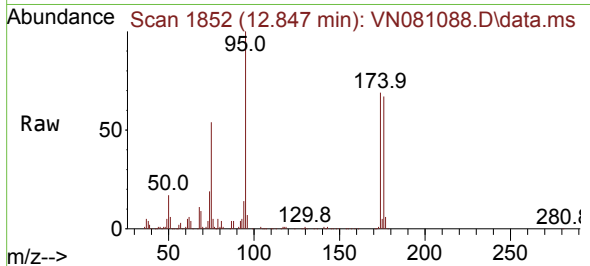




#81
trans-1,4-Dichloro-2-butene
Concen: 56.206 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

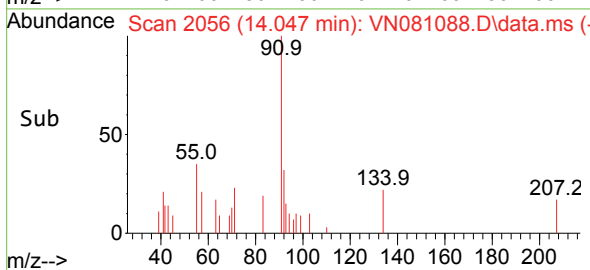
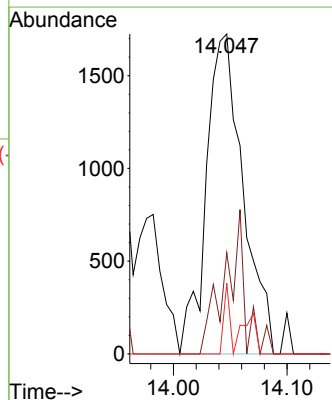
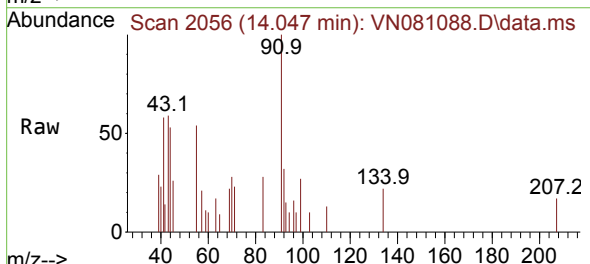
Instrument :
MSVOA_N
ClientSampleId :
VN0220MBL01

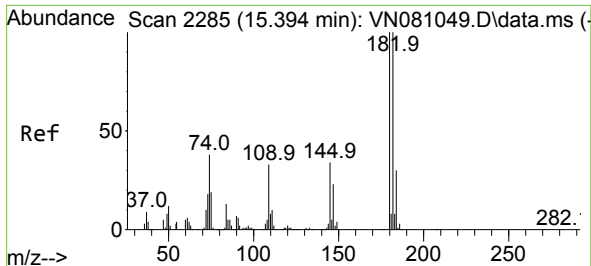
Tgt Ion: 75 Resp: 132711
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.0 33.4 50.0#



#89
n-Butylbenzene
Concen: 0.234 ug/l
RT: 14.047 min Scan# 2056
Delta R.T. -0.012 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Tgt Ion: 91 Resp: 3869
Ion Ratio Lower Upper
91 100
92 0.0 26.7 80.1#
134 3.5 10.8 32.4#

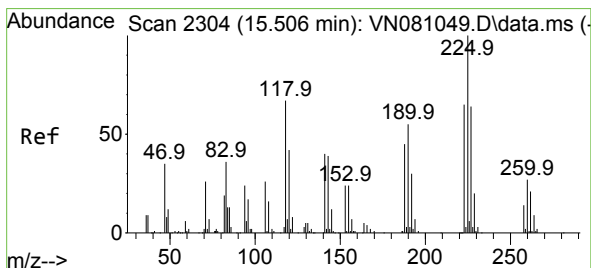
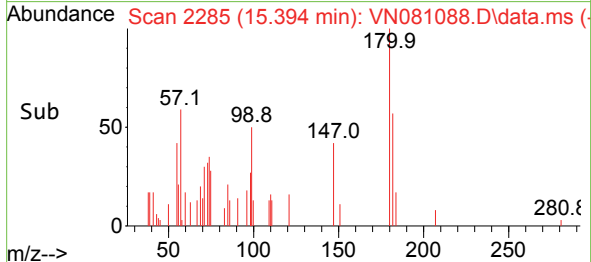
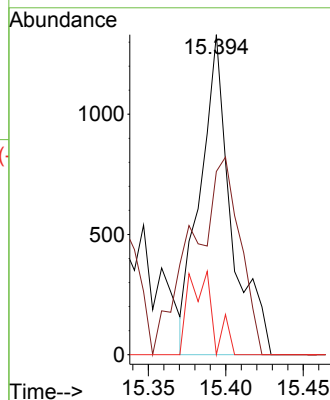
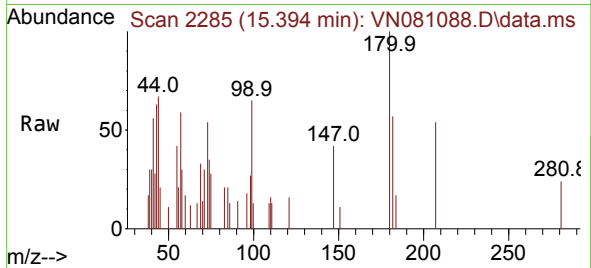




#93
1,2,4-Trichlorobenzene
Concen: 0.349 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

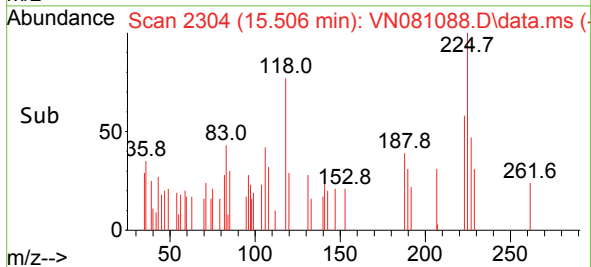
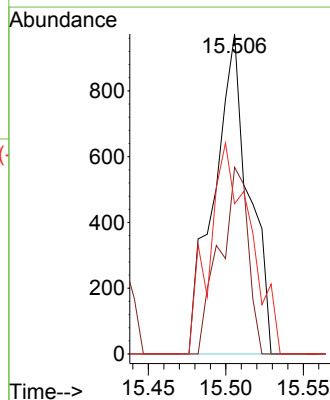
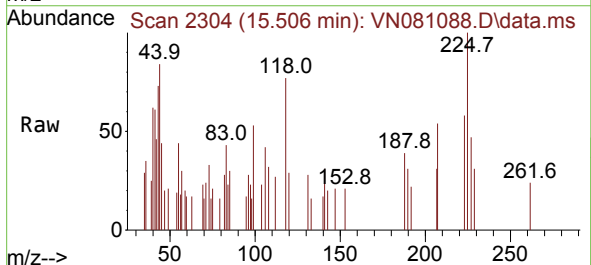
Instrument :
MSVOA_N
ClientSampleId :
VN0220MBL01

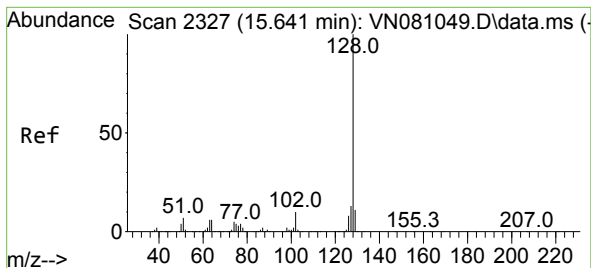
Tgt Ion:180	Resp:	1854
Ion Ratio	Lower	Upper
180	100	
182	94.4	46.6 139.7
145	20.4	16.8 50.3



#94
Hexachlorobutadiene
Concen: 0.770 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN081088.D
Acq: 20 Feb 2024 10:59

Tgt Ion:225	Resp:	1524
Ion Ratio	Lower	Upper
225	100	
223	48.0	33.3 99.8
227	77.2	33.1 99.2





#95

Naphthalene

Concen: 0.302 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN081088.D

Acq: 20 Feb 2024 10:59

Instrument :

MSVOA_N

ClientSampleId :

VN0220MBL01

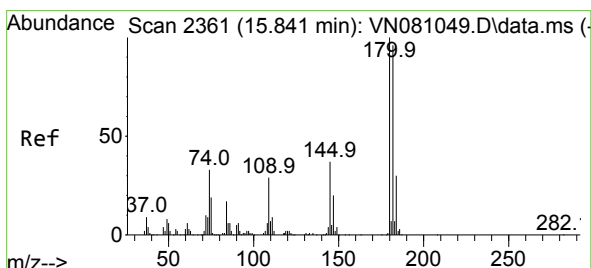
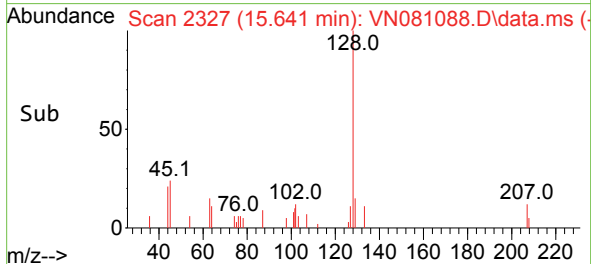
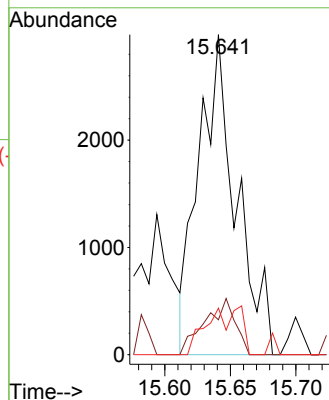
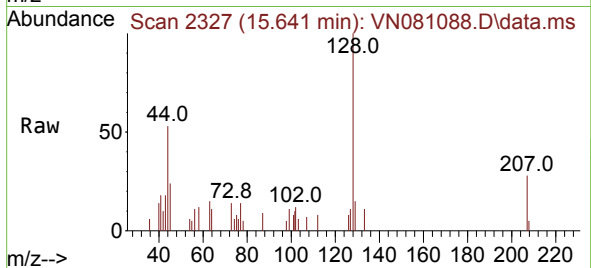
Tgt Ion:128 Resp: 5879

Ion Ratio Lower Upper

128 100

127 14.4 10.0 15.0

129 8.6 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.300 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN081088.D

Acq: 20 Feb 2024 10:59

Tgt Ion:180 Resp: 1578

Ion Ratio Lower Upper

180 100

182 119.6 46.5 139.3

145 20.5 17.8 53.4

