

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081067.D
 Acq On : 19 Feb 2024 10:52
 Operator : JC\MD
 Sample : VN0219MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219MBL01

Quant Time: Feb 20 00:18:40 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)

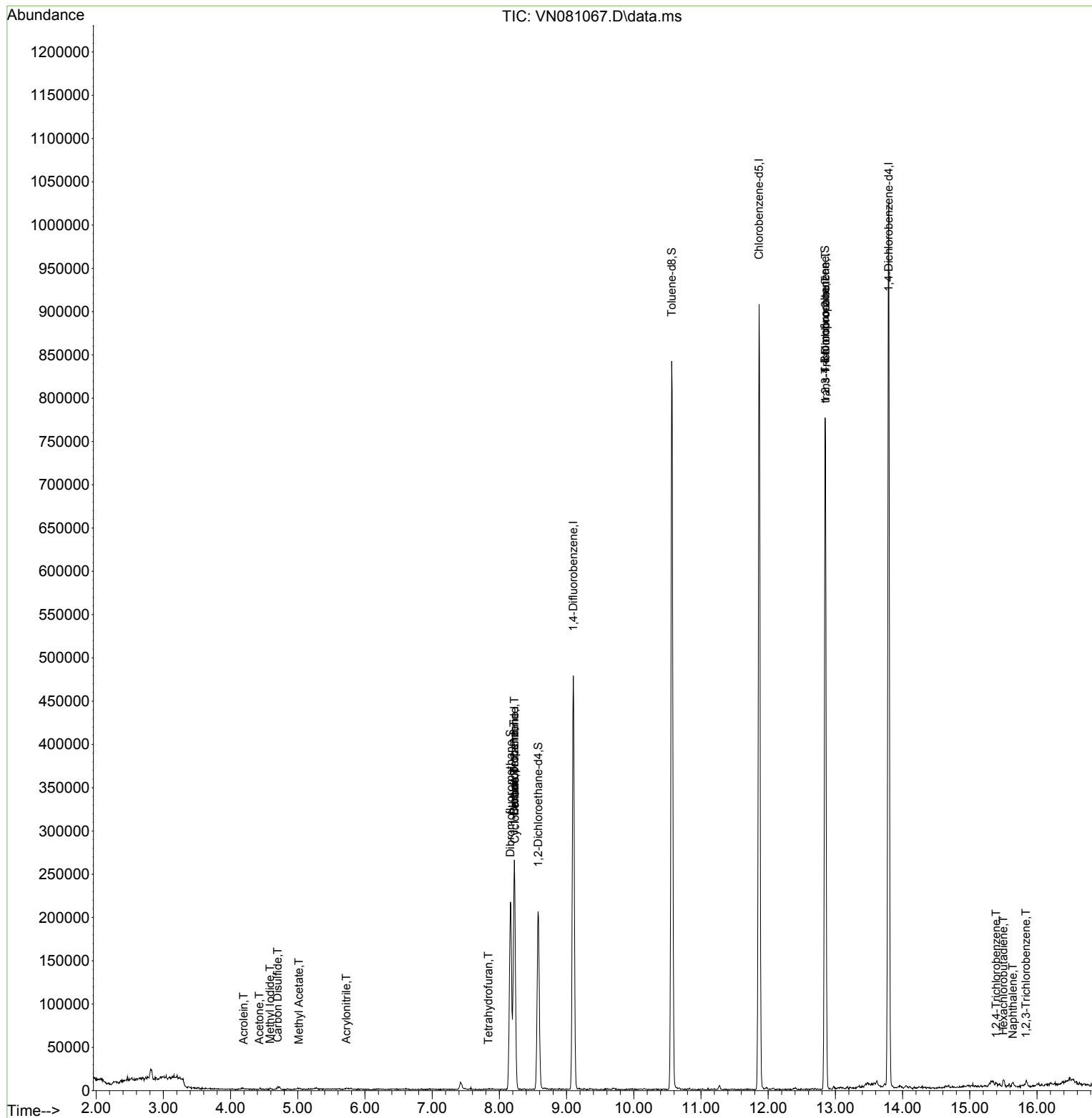
Internal Standards						
1) Pentafluorobenzene	8.224	168	181740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	415704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	525145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	260004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	164724	73.946	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 147.900%#			
35) Dibromofluoromethane	8.165	113	153919	65.479	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.960%#			
50) Toluene-d8	10.565	98	585232	70.096	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 140.200%#			
62) 4-Bromofluorobenzene	12.847	95	276358	88.092	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 176.180%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2780	Below Cal		98
6) Chloroethane	3.130	64	615	Below Cal	#	80
10) Methyl Iodide	4.589	142	1757	0.740	ug/l #	90
13) Acrolein	4.195	56	1930	8.790	ug/l	99
15) Acrylonitrile	5.724	53	841	0.786	ug/l #	17
16) Acetone	4.430	43	656	0.748	ug/l	98
17) Carbon Disulfide	4.700	76	5431	0.947	ug/l #	78
18) Methyl Acetate	5.018	43	899	0.420	ug/l #	54
20) Methylene Chloride	5.289	84	1049	Below Cal	#	5
29) Tetrahydrofuran	7.835	42	247	0.261	ug/l #	38
31) Cyclohexane	8.230	56	4505	1.171	ug/l #	43
36) 1,1-Dichloropropene	8.218	75	17376	4.315	ug/l #	50
38) Carbon Tetrachloride	8.224	117	20835	5.114	ug/l #	16
49) 1,4-Dioxane	9.694	88	448	Below Cal	#	59
76) 1,2,3-Trichloropropane	12.853	75	143551	24.300	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	143551	62.546	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.394	180	1740	0.337	ug/l #	86
94) Hexachlorobutadiene	15.500	225	1387	0.721	ug/l	95
95) Naphthalene	15.641	128	5528	0.293	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.835	180	2355	0.460	ug/l	78

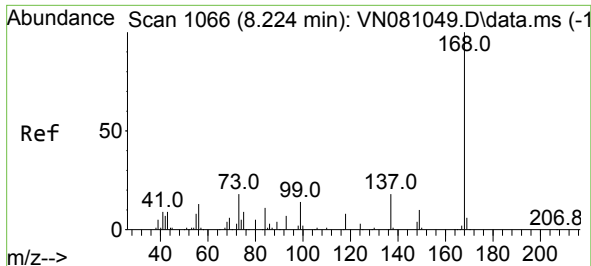
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
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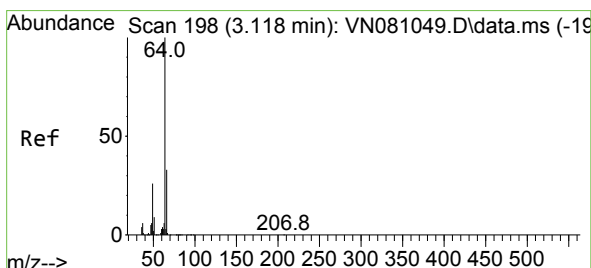
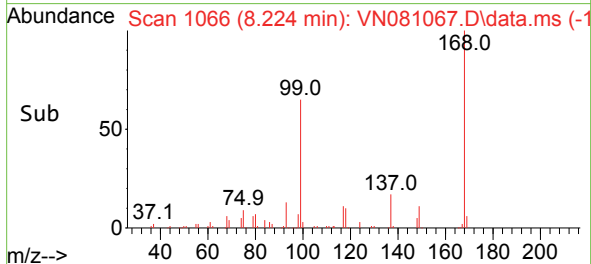
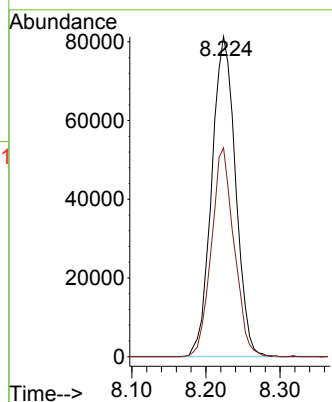
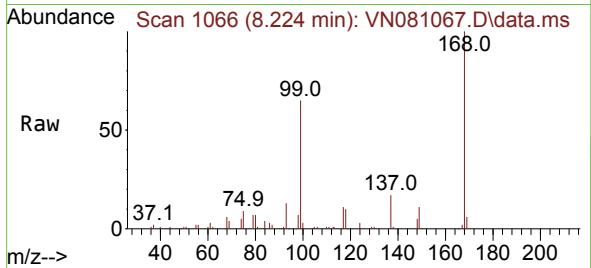




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

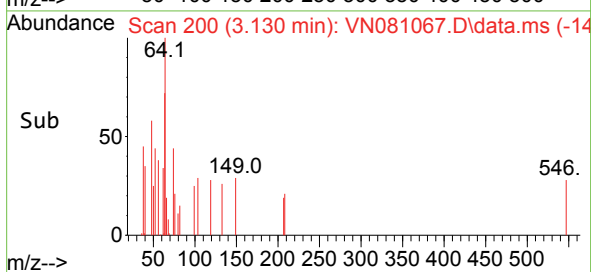
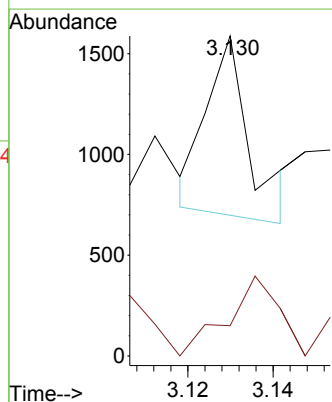
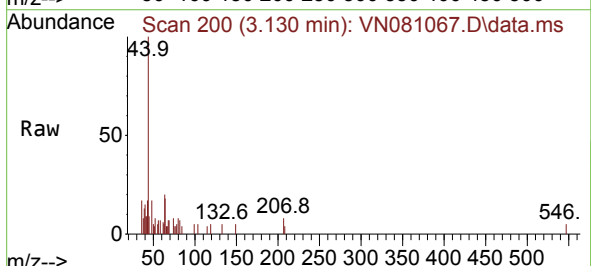
Instrument :
MSVOA_N
ClientSampleId :
VN0219MBL01

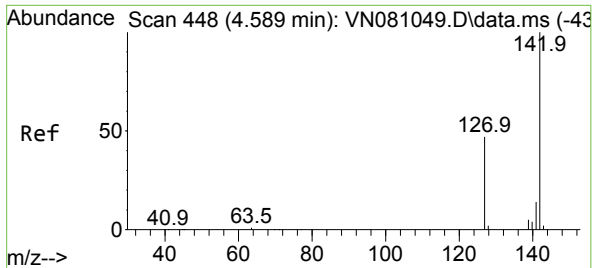
Tgt Ion:168 Resp: 181740
Ion Ratio Lower Upper
168 100
99 65.3 59.9 89.9



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

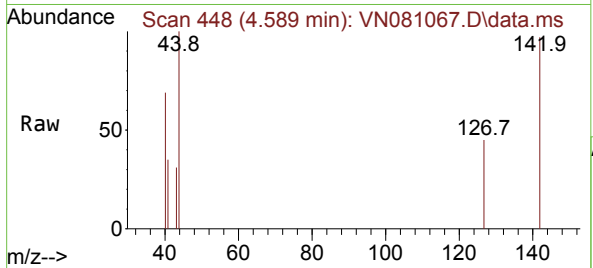
Tgt Ion: 64 Resp: 615
Ion Ratio Lower Upper
64 100
66 21.5 26.4 39.6#



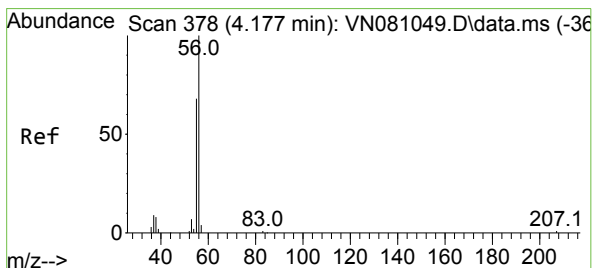
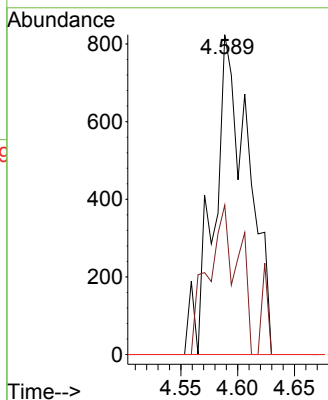
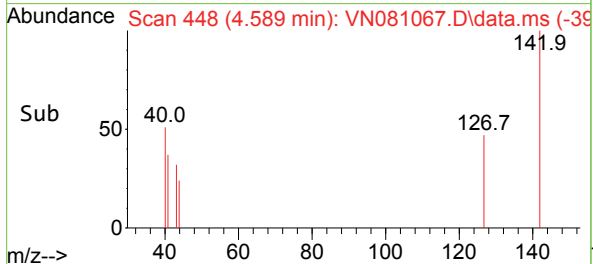


#10
Methyl Iodide
Concen: 0.740 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

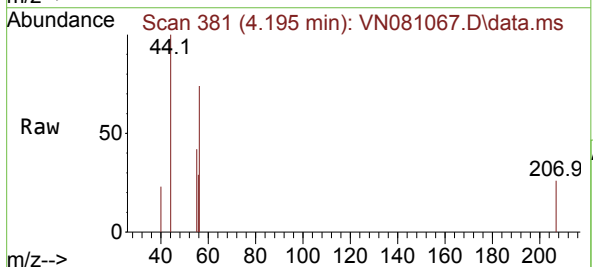
Instrument :
MSVOA_N
ClientSampleId :
VN0219MBL01



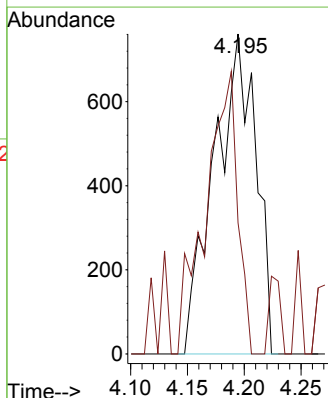
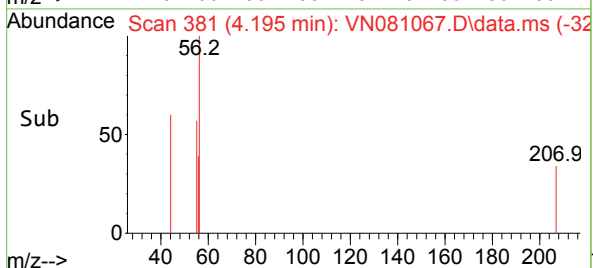
Tgt Ion:142 Resp: 1757
Ion Ratio Lower Upper
142 100
127 46.7 37.0 55.4
141 0.0 12.5 18.7#

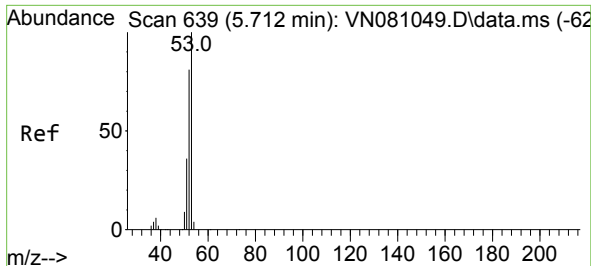


#13
Acrolein
Concen: 8.790 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52



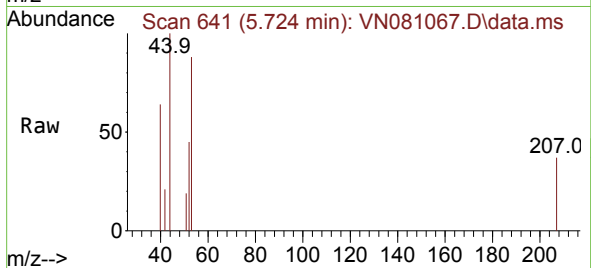
Tgt Ion: 56 Resp: 1930
Ion Ratio Lower Upper
56 100
55 68.2 55.3 82.9



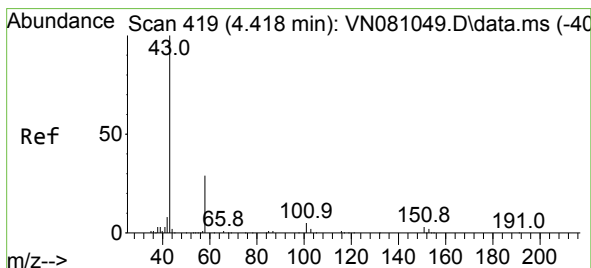
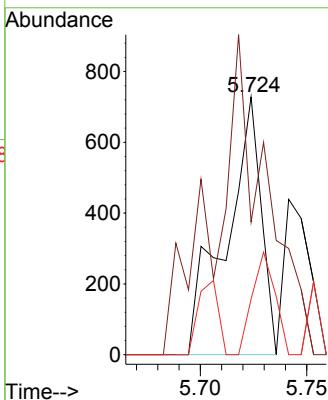
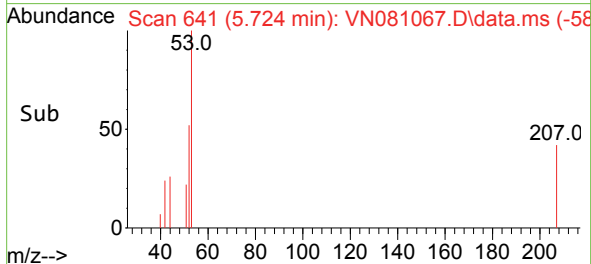


#15
Acrylonitrile
Concen: 0.786 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

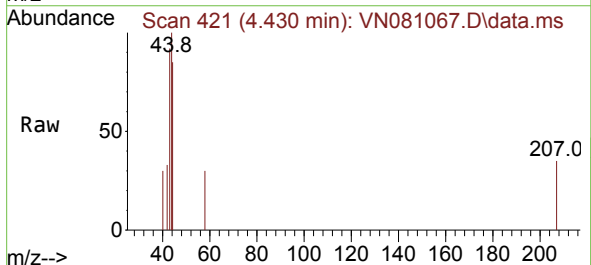
Instrument :
MSVOA_N
ClientSampleId :
VN0219MBL01



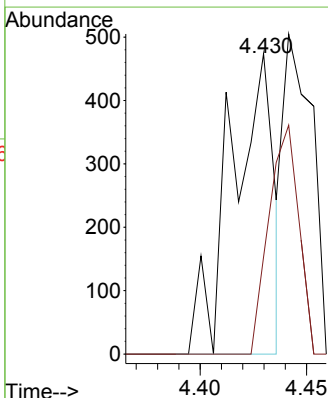
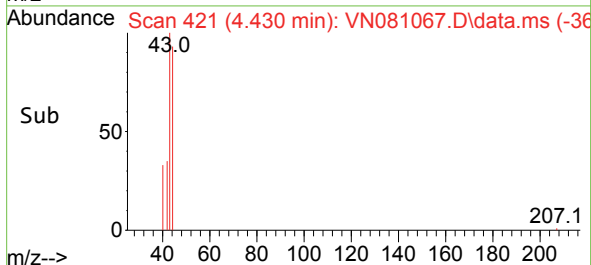
Tgt Ion: 53 Resp: 841
Ion Ratio Lower Upper
53 100
52 180.7 64.8 97.2#
51 25.7 26.9 40.3#

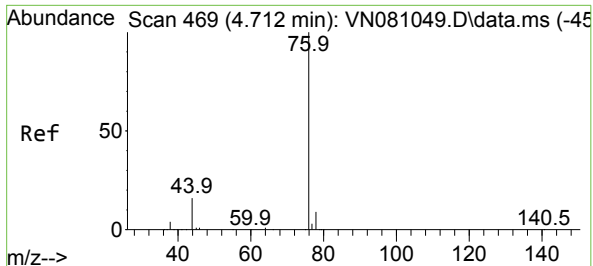


#16
Acetone
Concen: 0.748 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52



Tgt Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
58 32.3 24.8 37.2

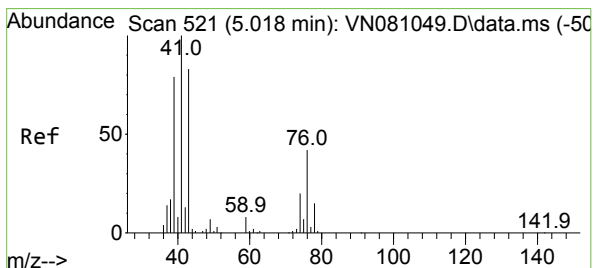
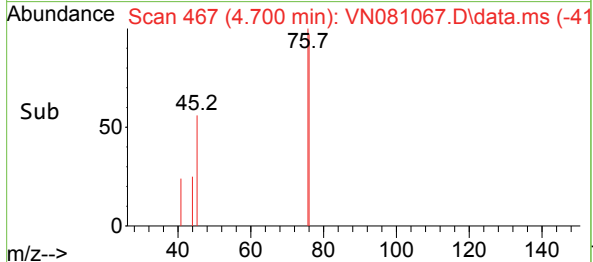
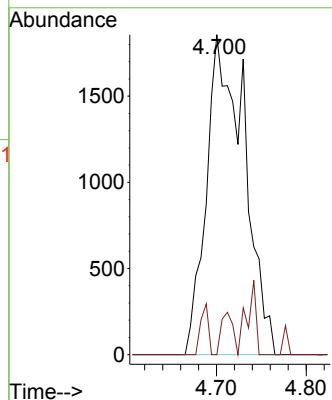
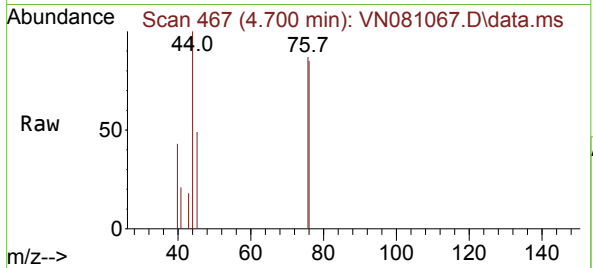




#17
Carbon Disulfide
Concen: 0.947 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

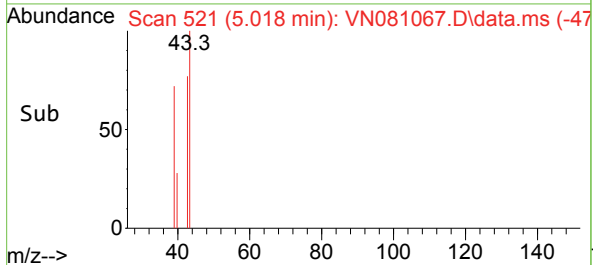
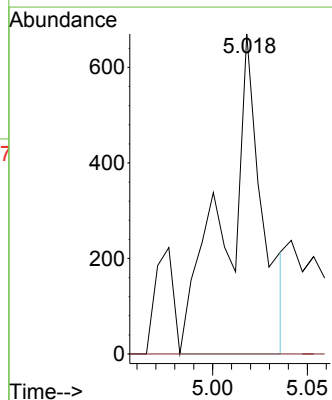
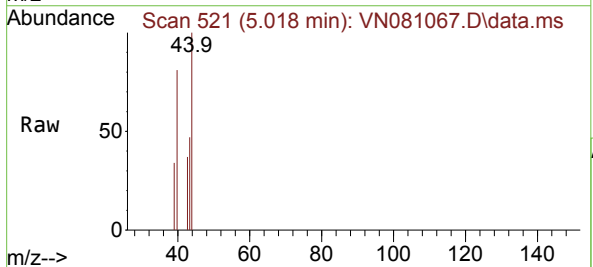
Instrument :
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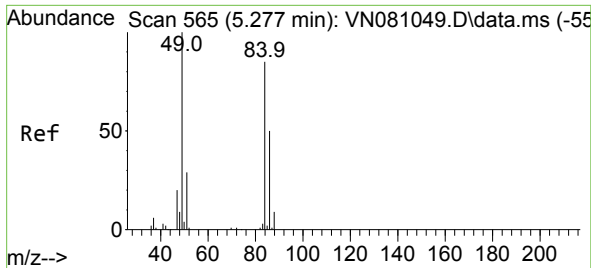
Tgt Ion: 76 Resp: 5431
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#18
Methyl Acetate
Concen: 0.420 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

Tgt Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#

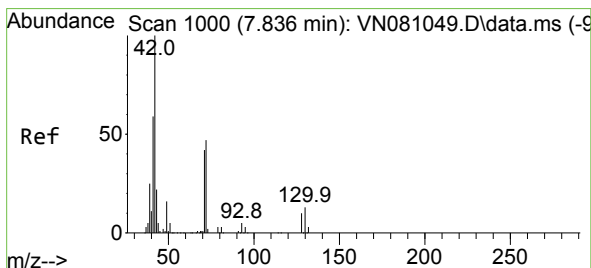
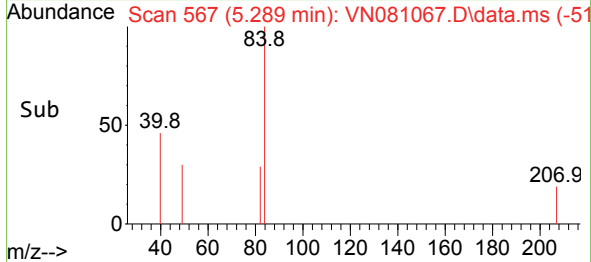
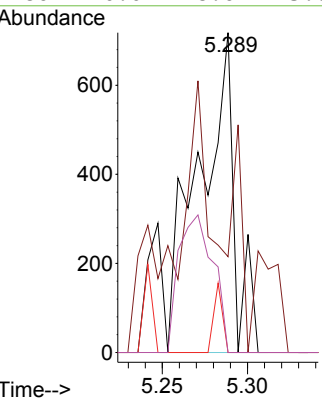
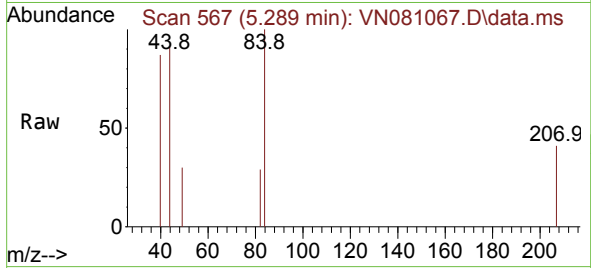




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 501
Delta R.T. 0.012 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

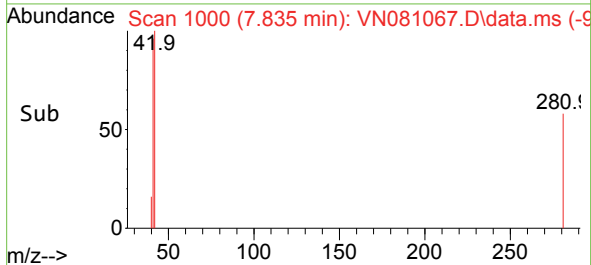
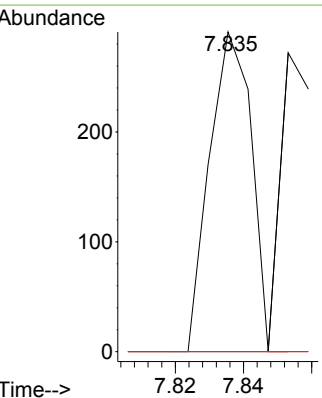
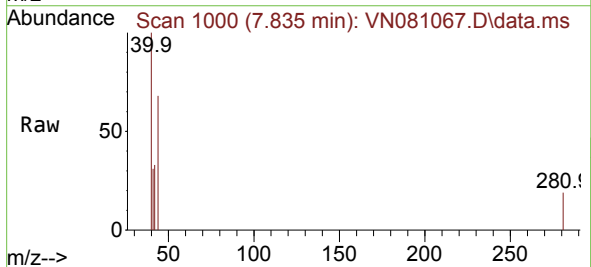
Instrument :
MSVOA_N
ClientSampleId :
VN0219MBL01

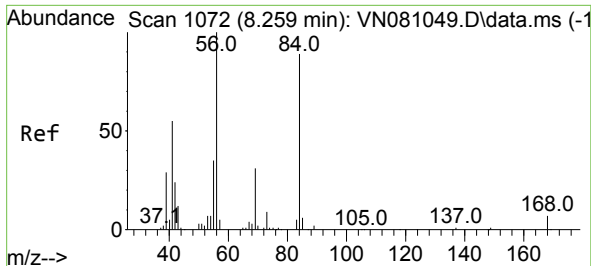
Tgt Ion: 84 Resp: 1049
Ion Ratio Lower Upper
84 100
49 3.9 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#



#29
Tetrahydrofuran
Concen: 0.261 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

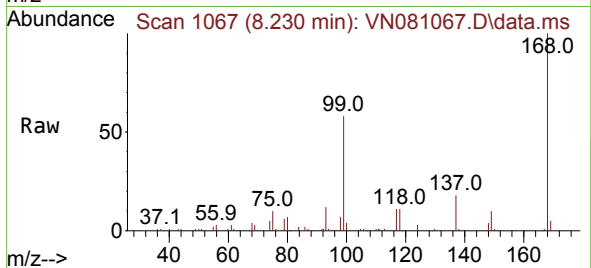
Tgt Ion: 42 Resp: 247
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 0.0 28.3 42.5#



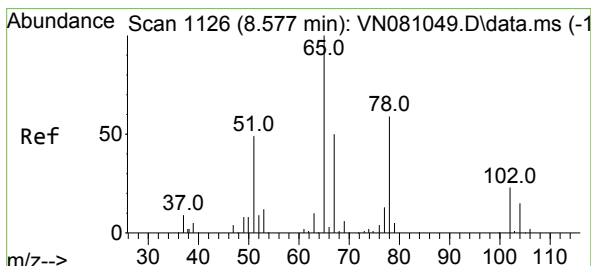
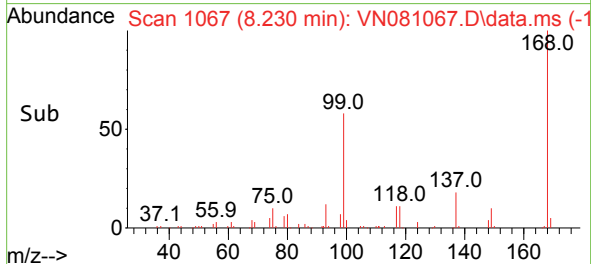
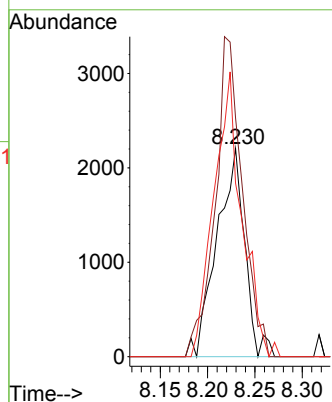


#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

Instrument :
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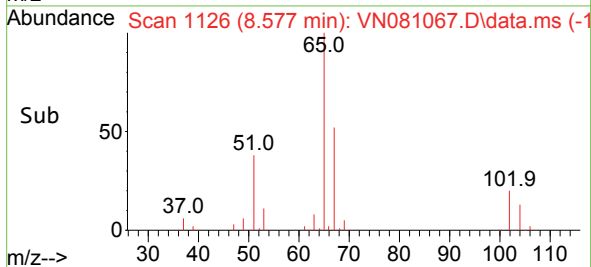
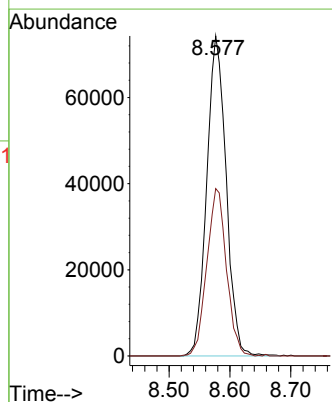
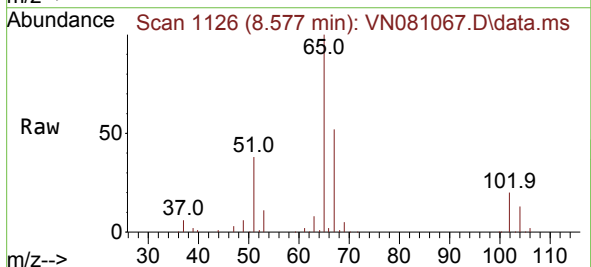


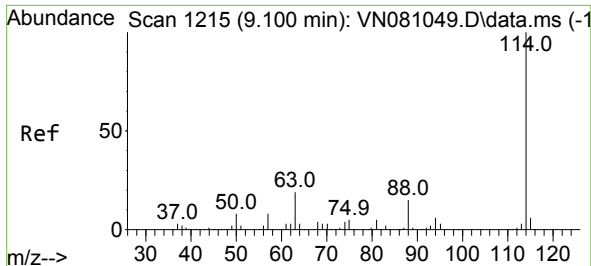
Tgt Ion: 56 Resp: 4505
Ion Ratio Lower Upper
56 100
69 114.7 20.1 30.1#
84 83.3 56.9 85.3



#33
1,2-Dichloroethane-d4
Concen: 73.946 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

Tgt Ion: 65 Resp: 164724
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081067.D

Acq: 19 Feb 2024 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN0219MBL01

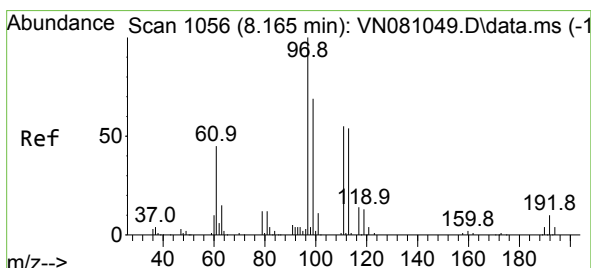
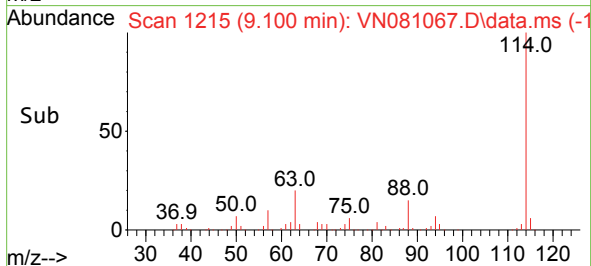
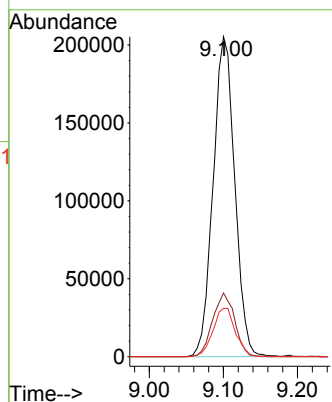
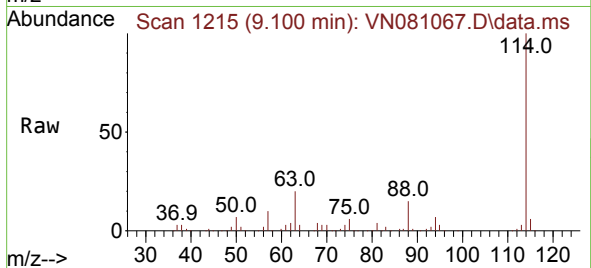
Tgt Ion:114 Resp: 415704

Ion Ratio Lower Upper

114 100

63 19.9 0.0 48.0

88 15.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 65.479 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081067.D

Acq: 19 Feb 2024 10:52

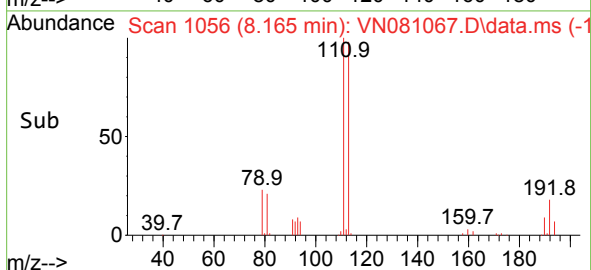
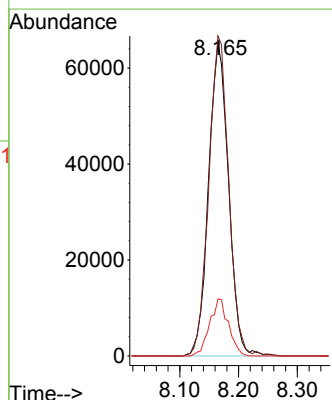
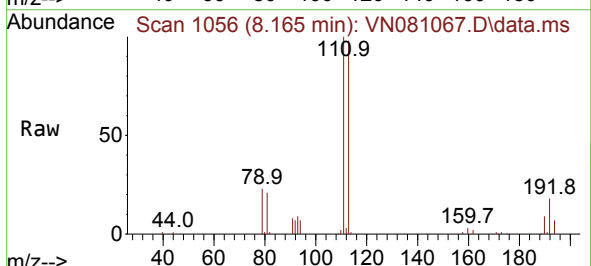
Tgt Ion:113 Resp: 153919

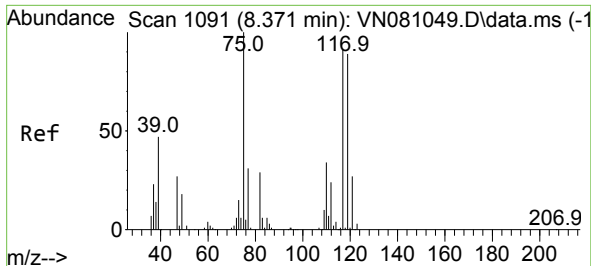
Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.4

192 17.2 12.5 18.7

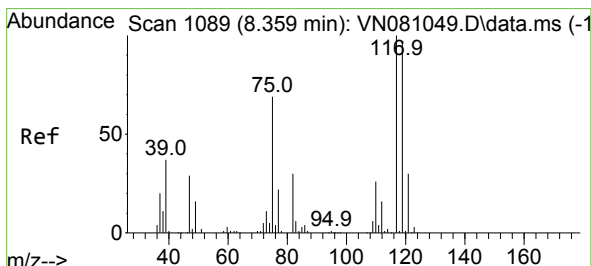
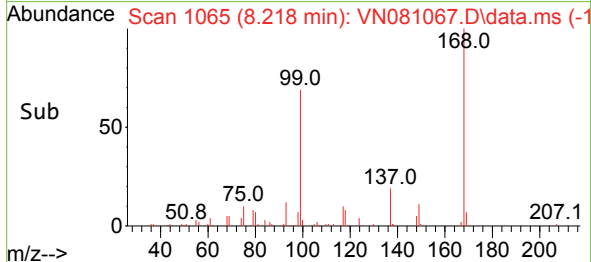
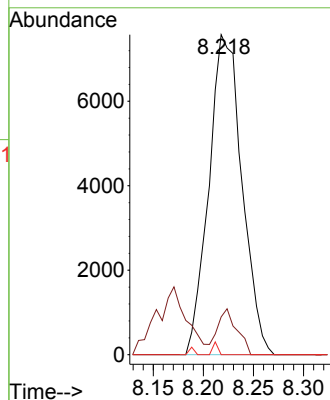
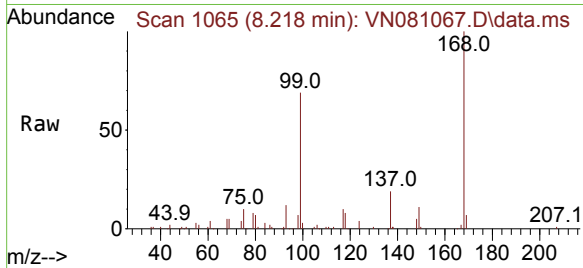




#36
 1,1-Dichloropropene
 Concen: 4.315 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.153 min
 Lab File: VN081067.D
 Acq: 19 Feb 2024 10:52

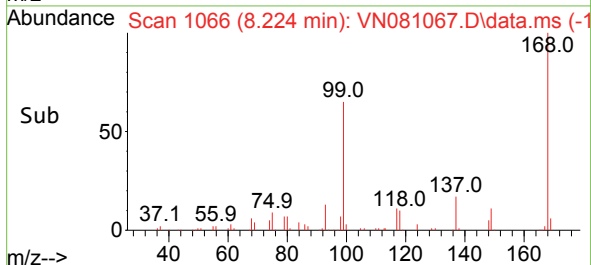
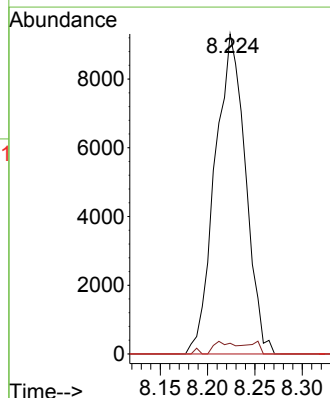
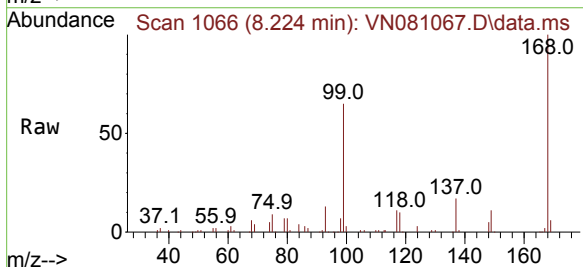
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219MBL01

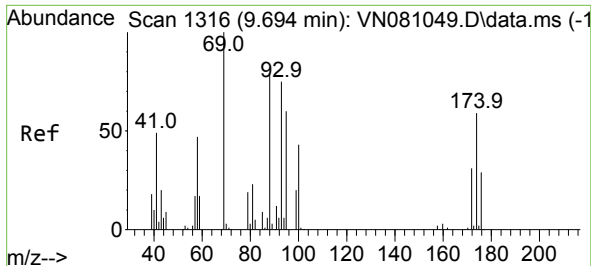
Tgt Ion: 75 Resp: 17376
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.0 48.0#
 77 0.6 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 5.114 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.135 min
 Lab File: VN081067.D
 Acq: 19 Feb 2024 10:52

Tgt Ion: 117 Resp: 20835
 Ion Ratio Lower Upper
 117 100
 119 3.4 73.4 110.2#
 121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.694 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081067.D

Acq: 19 Feb 2024 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN0219MBL01

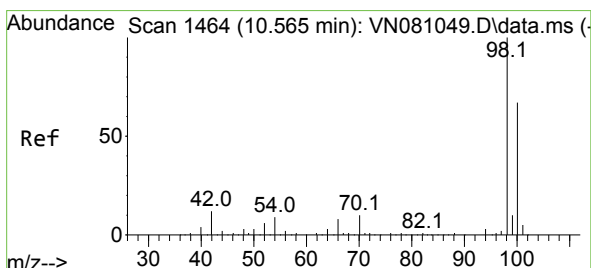
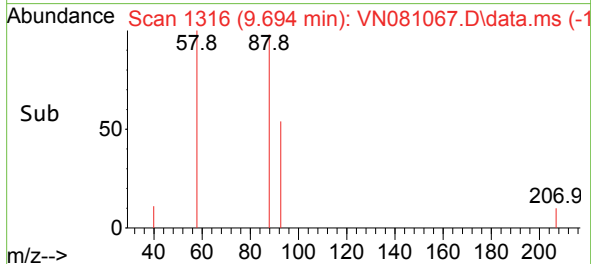
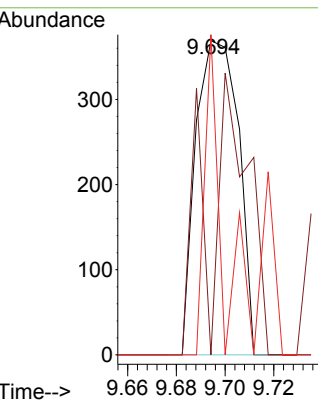
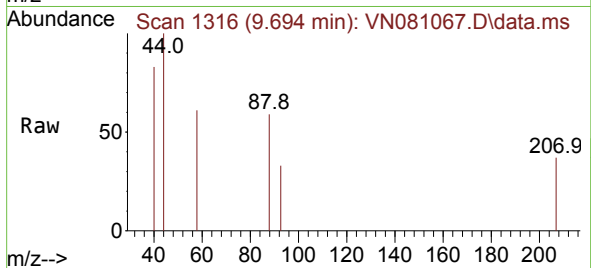
Tgt Ion: 88 Resp: 448

Ion Ratio Lower Upper

88 100

43 60.7 30.1 45.1#

58 42.9 63.9 95.9#



#50

Toluene-d8

Concen: 70.096 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN081067.D

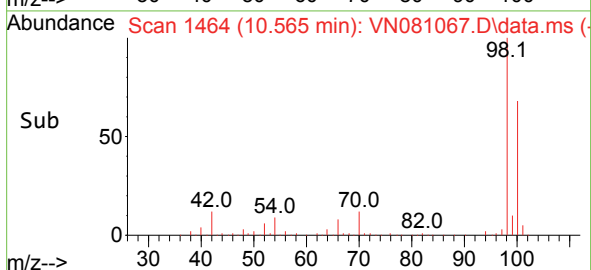
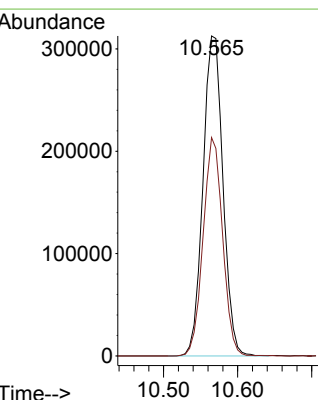
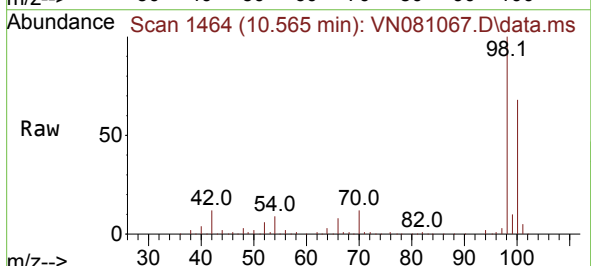
Acq: 19 Feb 2024 10:52

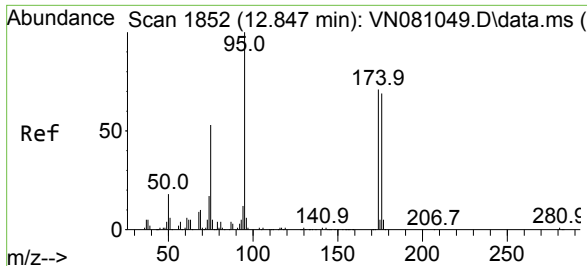
Tgt Ion: 98 Resp: 585232

Ion Ratio Lower Upper

98 100

100 66.5 51.4 77.0

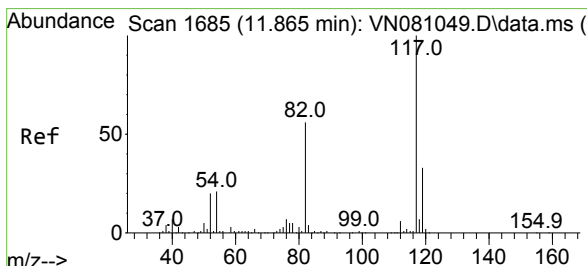
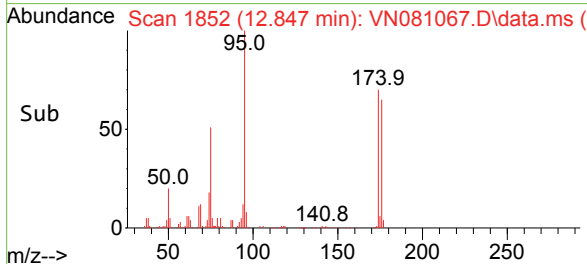
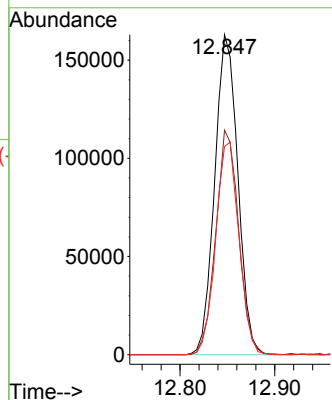
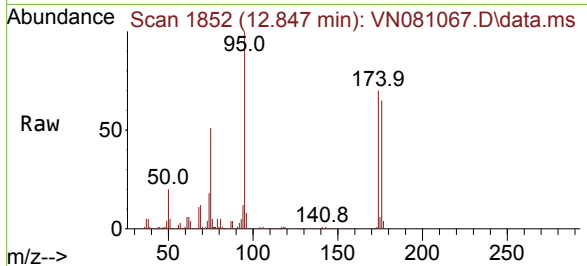




#62
4-Bromofluorobenzene
Concen: 88.092 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

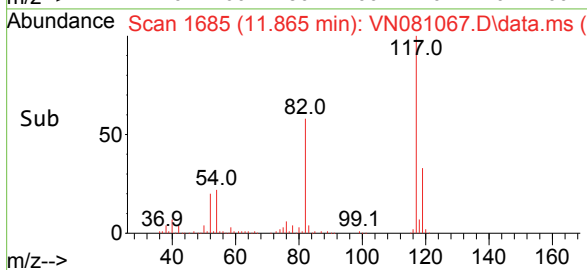
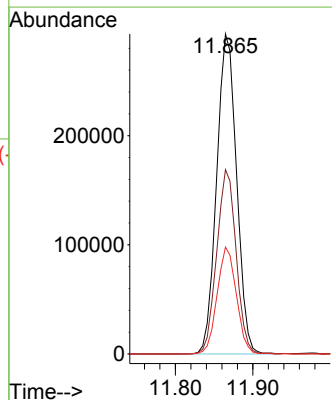
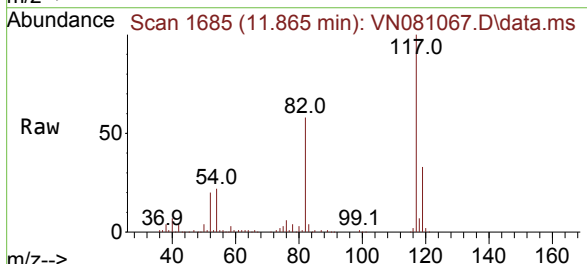
Instrument :
MSVOA_N
ClientSampleId :
VN0219MBL01

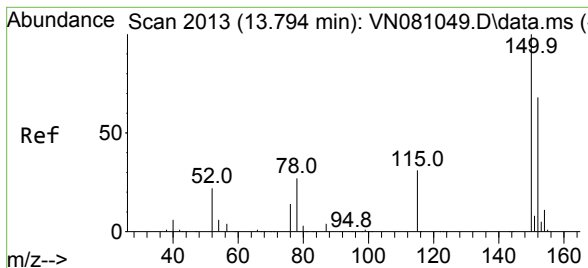
Tgt Ion: 95 Resp: 276358
Ion Ratio Lower Upper
95 100
174 69.5 0.0 120.4
176 66.9 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

Tgt Ion: 117 Resp: 525145
Ion Ratio Lower Upper
117 100
82 57.6 52.7 79.1
119 33.4 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: VN081067.D

Acq: 19 Feb 2024 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN0219MBL01

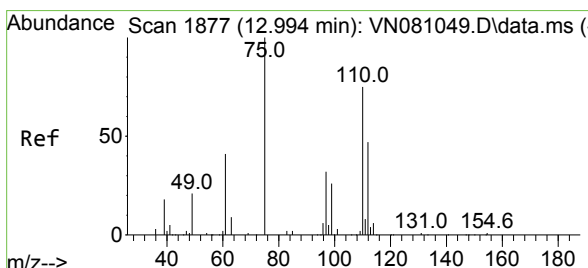
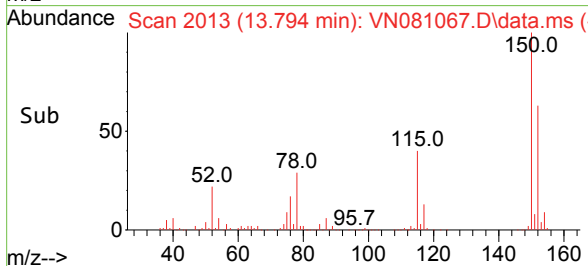
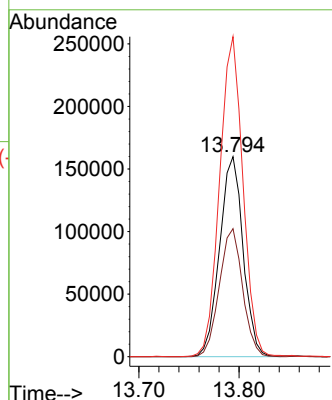
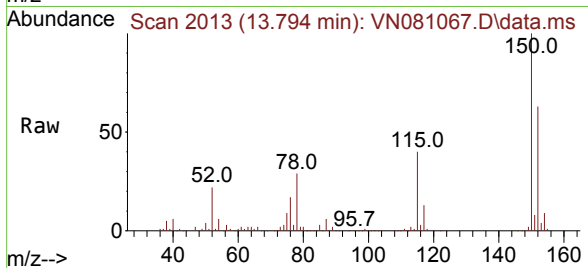
Tgt Ion:152 Resp: 260004

Ion Ratio Lower Upper

152 100

115 63.4 32.3 96.8

150 159.1 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 24.300 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081067.D

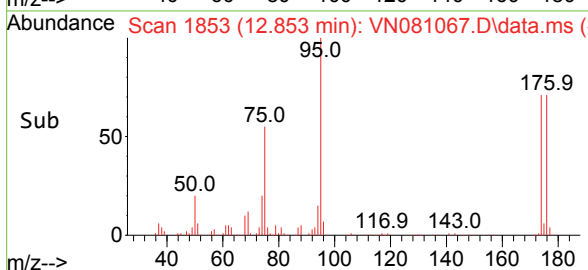
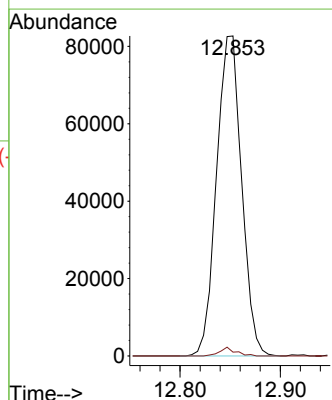
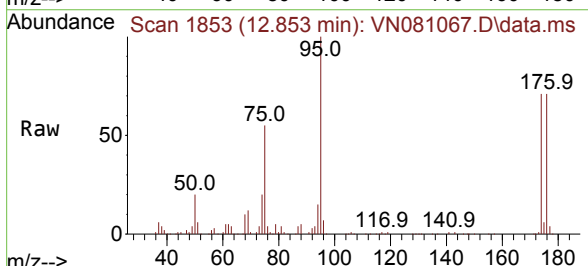
Acq: 19 Feb 2024 10:52

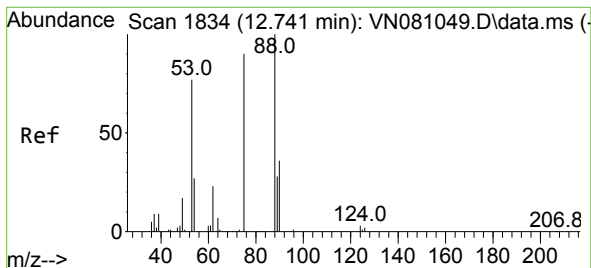
Tgt Ion: 75 Resp: 143551

Ion Ratio Lower Upper

75 100

77 1.7 91.0 272.8#

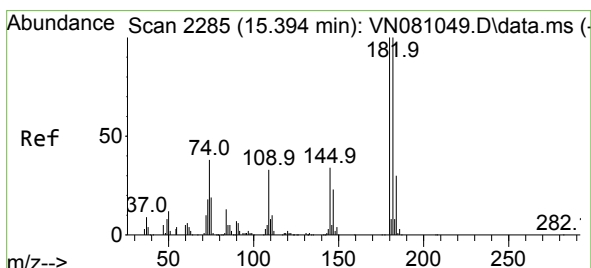
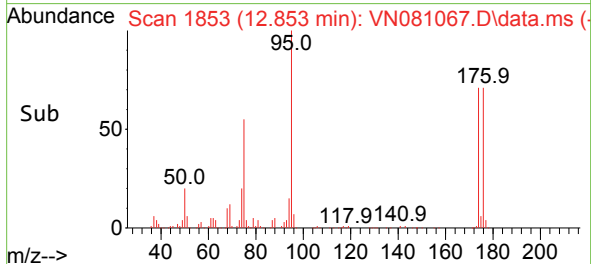
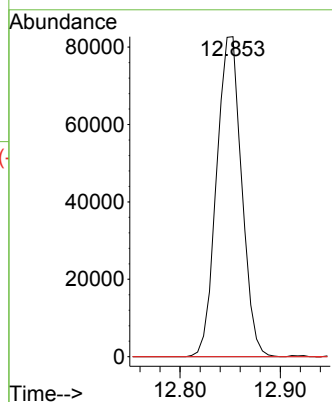
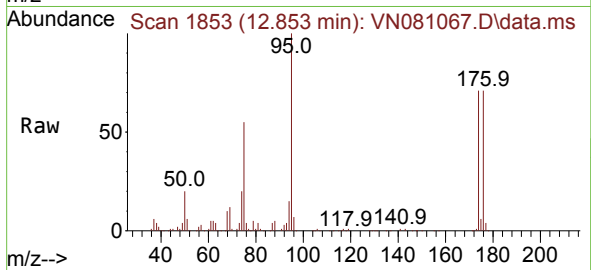




#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.546 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN081067.D
 Acq: 19 Feb 2024 10:52

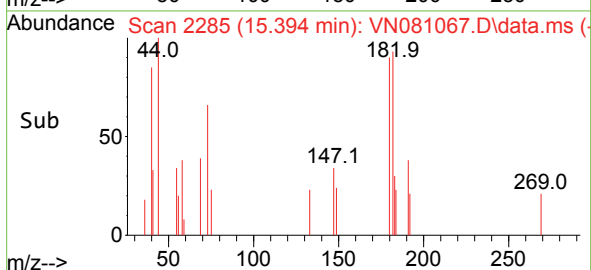
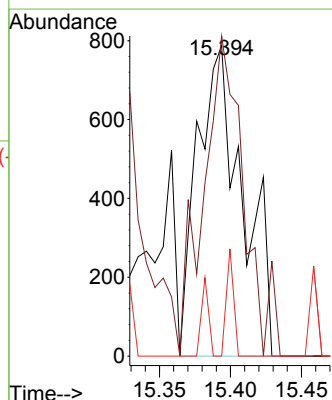
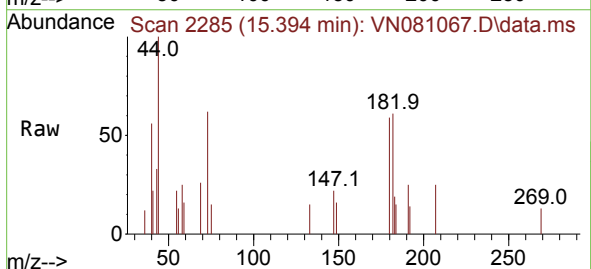
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219MBL01

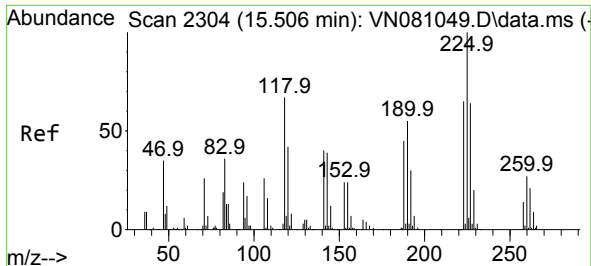
Tgt Ion: 75 Resp: 143551
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.337 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. -0.000 min
 Lab File: VN081067.D
 Acq: 19 Feb 2024 10:52

Tgt Ion: 180 Resp: 1740
 Ion Ratio Lower Upper
 180 100
 182 91.8 46.6 139.7
 145 5.5 16.8 50.3#

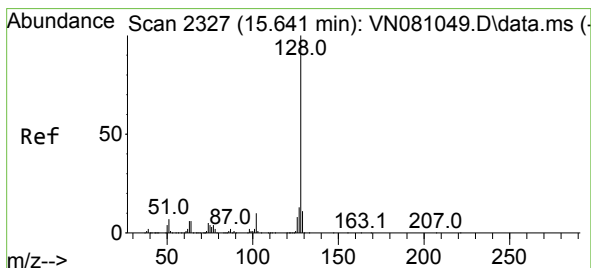
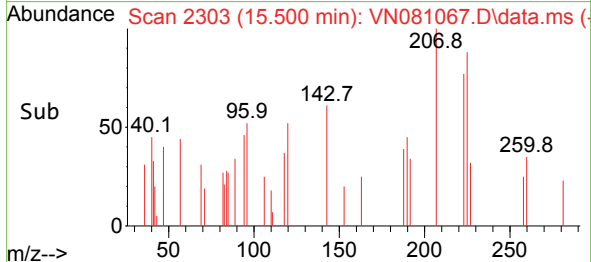
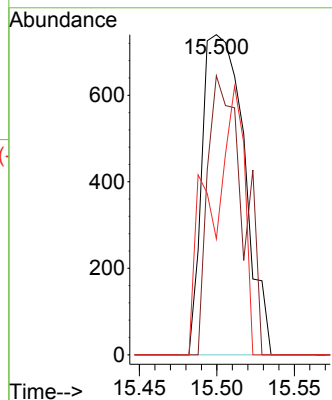
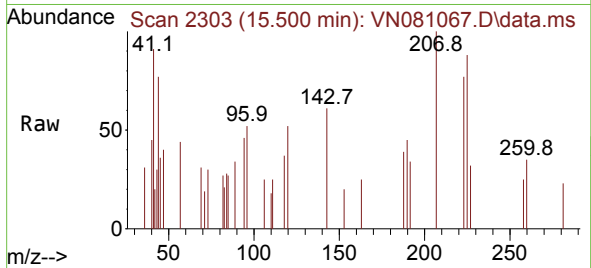




#94
Hexachlorobutadiene
Concen: 0.721 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

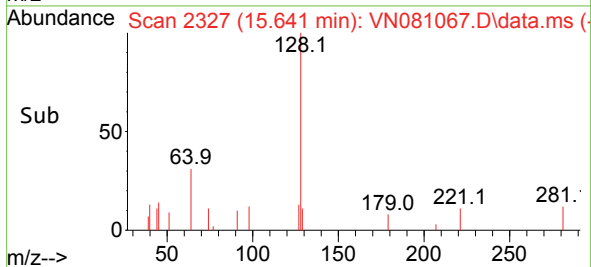
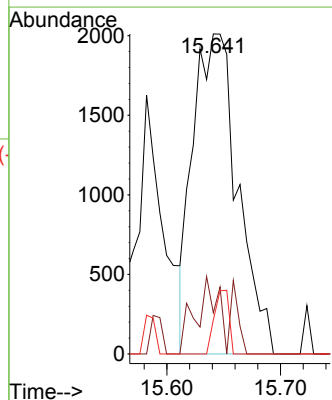
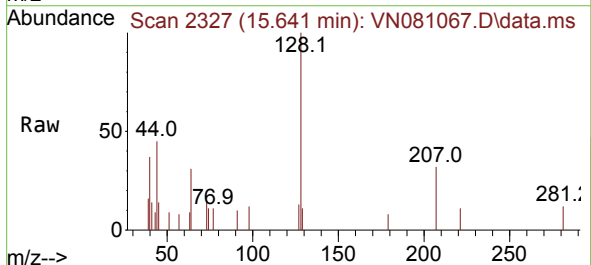
Instrument :
MSVOA_N
ClientSampleId :
VN0219MBL01

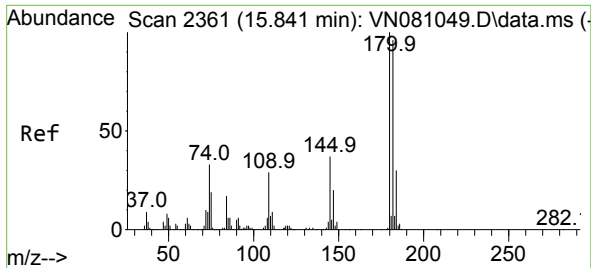
Tgt Ion:225 Resp: 1387
Ion Ratio Lower Upper
225 100
223 72.9 33.3 99.8
227 67.0 33.1 99.2



#95
Naphthalene
Concen: 0.293 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN081067.D
Acq: 19 Feb 2024 10:52

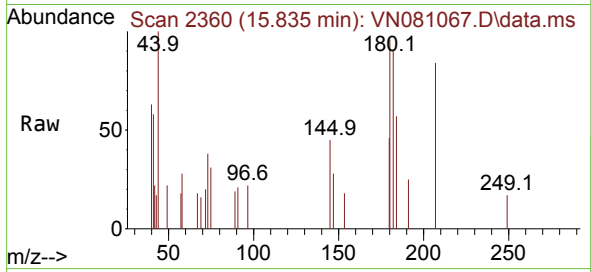
Tgt Ion:128 Resp: 5528
Ion Ratio Lower Upper
128 100
127 12.0 10.0 15.0
129 6.5 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.460 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN081067.D
 Acq: 19 Feb 2024 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219MBL01



Tgt Ion:	180	Resp:	2355
Ion	Ratio	Lower	Upper
180	100		
182	65.4	46.5	139.3
145	32.7	17.8	53.4

