

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080964.D
 Acq On : 08 Feb 2024 15:22
 Operator : JC\MD
 Sample : P1388-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

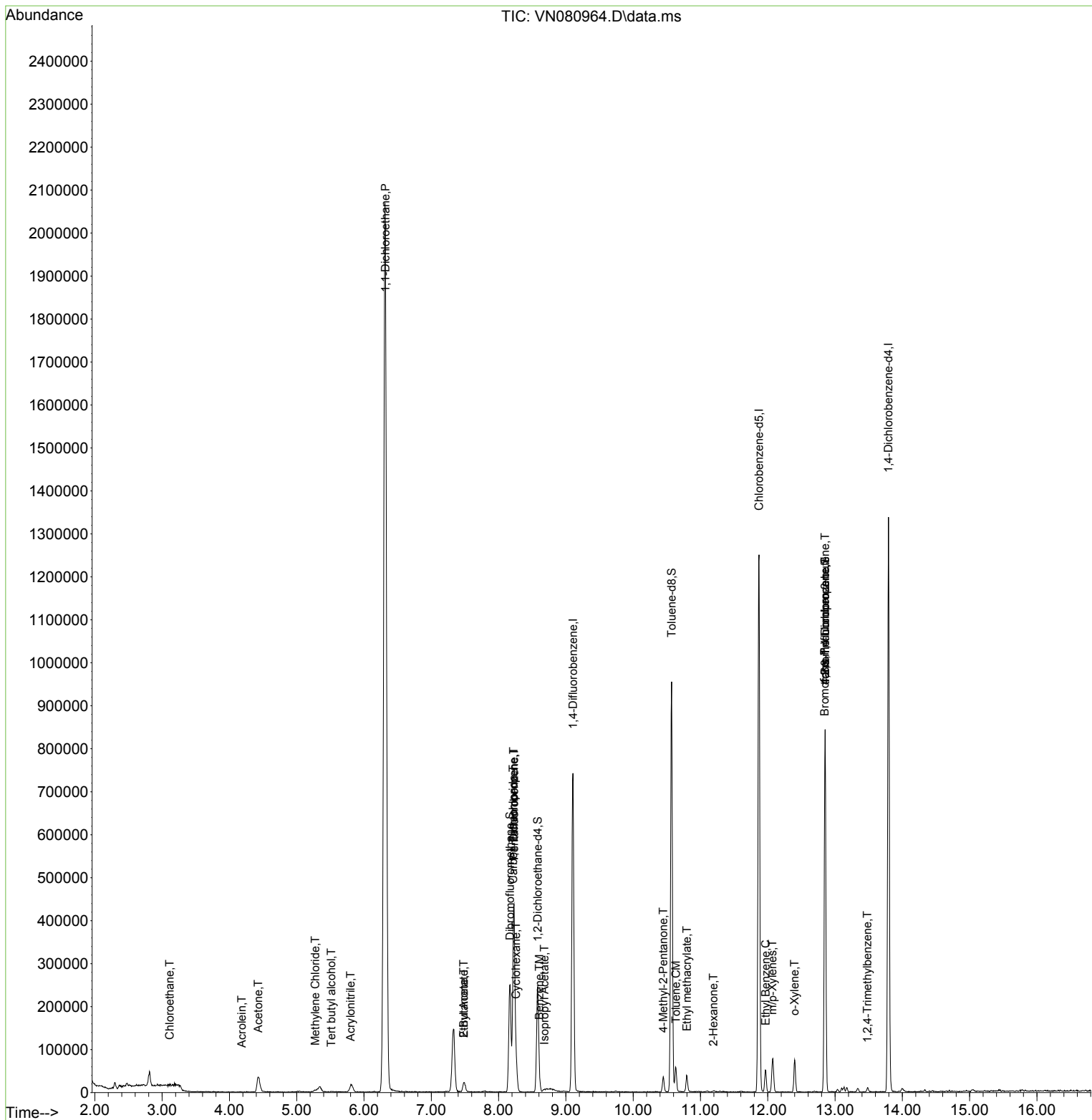
Quant Time: Feb 09 01:22:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

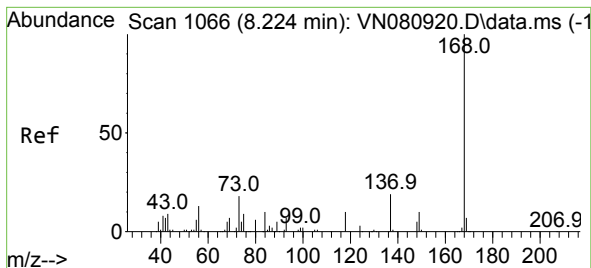
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	304657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	657773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	737526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	338507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	196385	51.099	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.200%			
35) Dibromofluoromethane	8.171	113	182464	51.695	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.400%			
50) Toluene-d8	10.571	98	653394	51.179	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.360%			
62) 4-Bromofluorobenzene	12.853	95	295224	63.655	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 127.300%#			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	3079	Below Cal		96
6) Chloroethane	3.112	64	685	0.215 ug/l #		1
11) Tert butyl alcohol	5.512	59	575	1.086 ug/l #		72
13) Acrolein	4.183	56	187	0.280 ug/l #		15
15) Acrylonitrile	5.800	53	576	0.398 ug/l #		25
16) Acetone	4.430	43	67745	53.578 ug/l		95
18) Methyl Acetate	5.030	43	3857	Below Cal #		62
20) Methylene Chloride	5.277	84	2867	0.748 ug/l #		48
24) 1,1-Dichloroethane	6.318	63	5825	0.892 ug/l #		85
25) 2-Butanone	7.483	43	37708	18.580 ug/l		99
31) Cyclohexane	8.259	56	44145	8.404 ug/l #		80
36) 1,1-Dichloropropene	8.224	75	27015	5.145 ug/l #		51
37) Ethyl Acetate	7.483	43	37708	9.491 ug/l #		70
38) Carbon Tetrachloride	8.218	117	34295	6.371 ug/l #		19
40) Benzene	8.606	78	7252	0.454 ug/l		99
43) Isopropyl Acetate	8.683	43	5457	0.747 ug/l #		57
51) 4-Methyl-2-Pentanone	10.447	43	23541	5.347 ug/l		99
52) Toluene	10.635	92	24898	2.326 ug/l		100
56) Ethyl methacrylate	10.800	69	7076	1.429 ug/l #		75
59) 2-Hexanone	11.194	43	2669	0.800 ug/l		73
67) Ethyl Benzene	11.971	91	36580	1.374 ug/l		98
68) m/p-Xylenes	12.071	106	26796	2.649 ug/l		94
69) o-Xylene	12.400	106	21015	2.141 ug/l		92
71) Bromoform	12.847	173	751	0.201 ug/l #		30
76) 1,2,3-Trichloropropane	12.853	75	158567	22.974 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	158567	62.418 ug/l #		14
84) 1,2,4-Trimethylbenzene	13.482	105	6022	0.283 ug/l		89

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

Quant Time: Feb 09 01:22:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080964.D

Acq: 08 Feb 2024 15:22

Instrument :

MSVOA_N

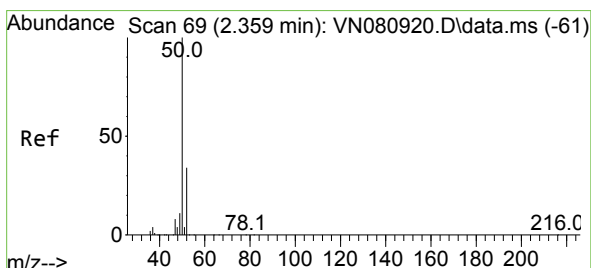
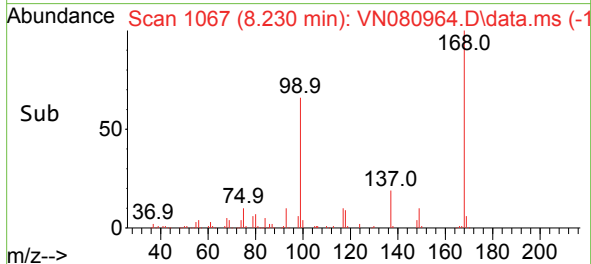
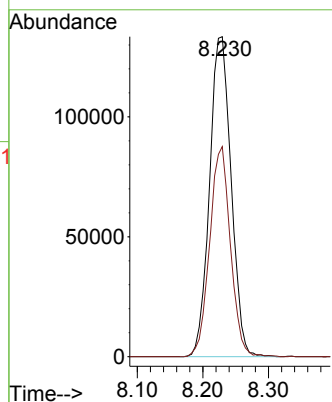
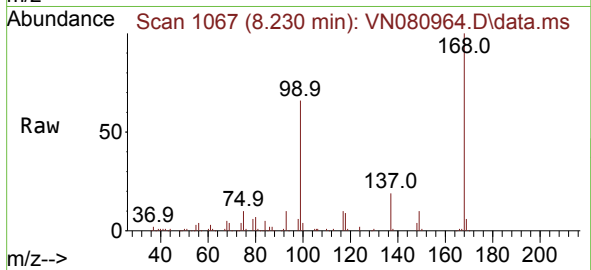
ClientSampleId :

Tgt Ion:168 Resp: 304657

Ion Ratio Lower Upper

168 100

99 65.6 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080964.D

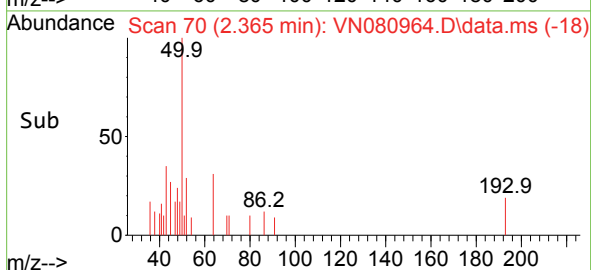
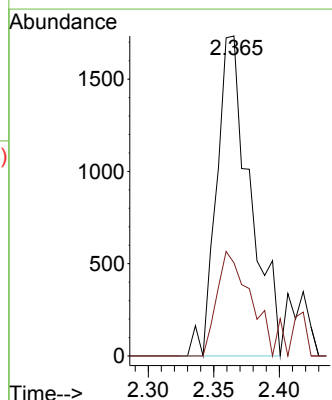
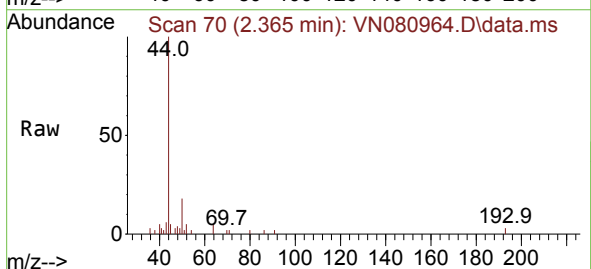
Acq: 08 Feb 2024 15:22

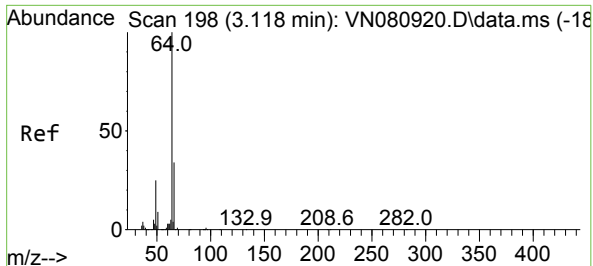
Tgt Ion: 50 Resp: 3079

Ion Ratio Lower Upper

50 100

52 29.1 25.0 37.4

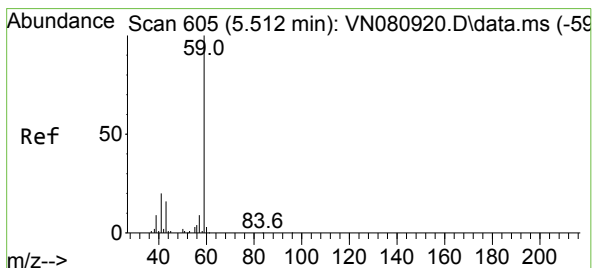
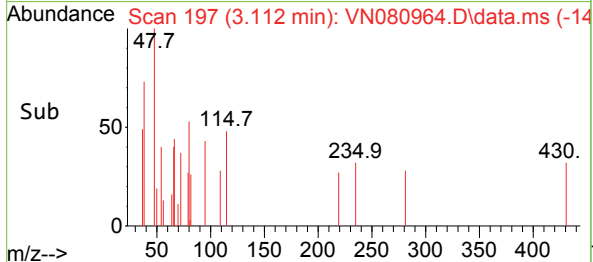
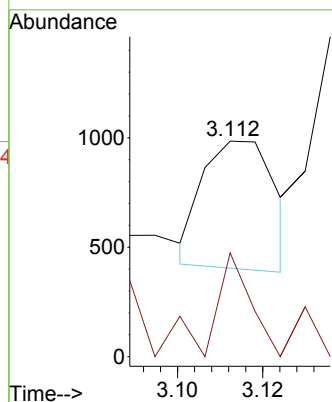
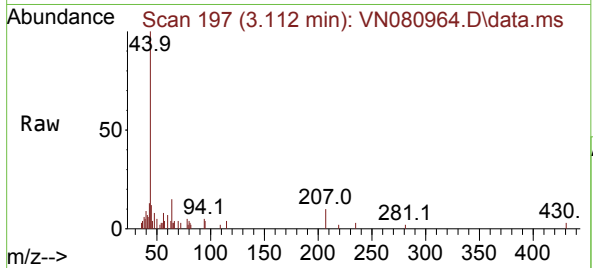




#6
Chloroethane
Concen: 0.215 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

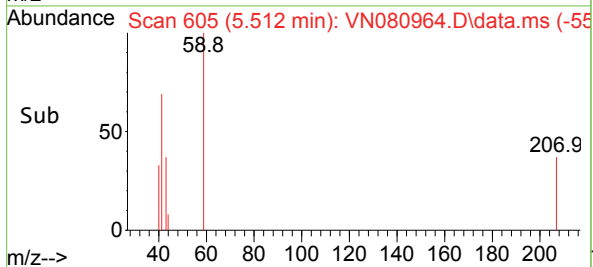
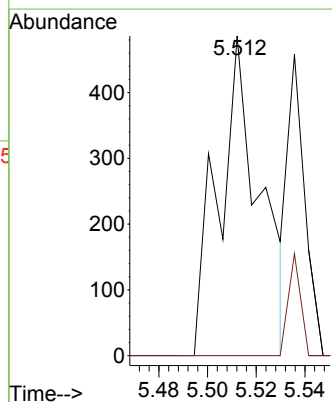
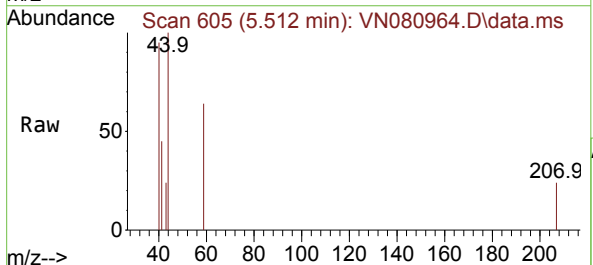
Instrument :
MSVOA_N
ClientSampleId :

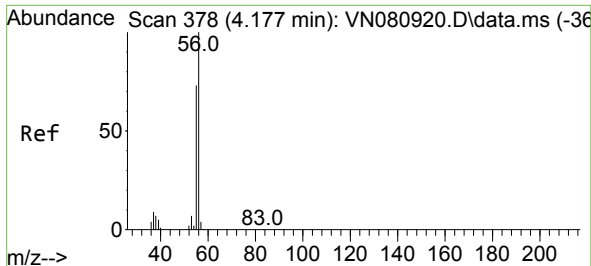
Tgt Ion: 64 Resp: 685
Ion Ratio Lower Upper
64 100
66 101.5 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.086 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.280 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN080964.D

Acq: 08 Feb 2024 15:22

Instrument :

MSVOA_N

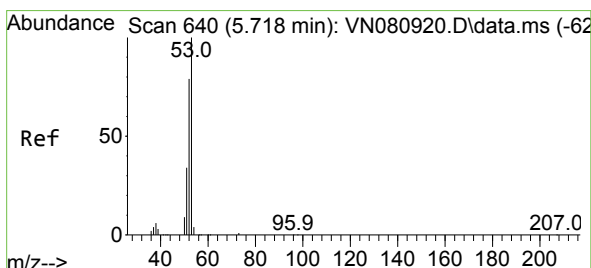
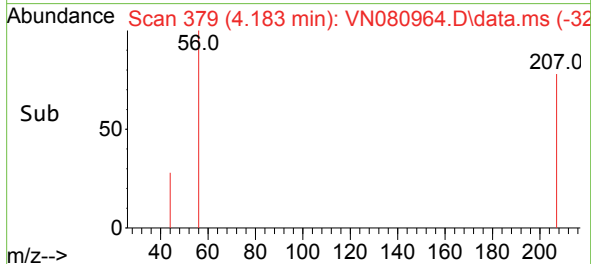
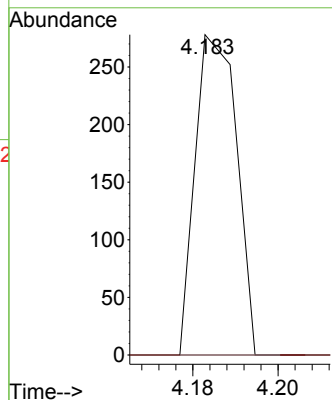
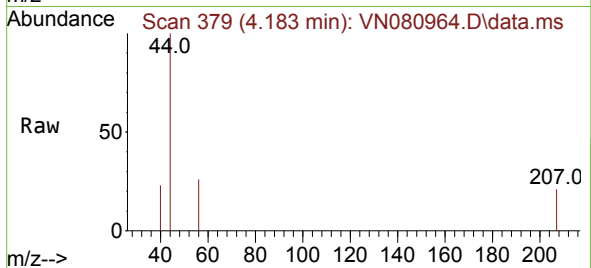
ClientSampleId :

Tgt Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#15

Acrylonitrile

Concen: 0.398 ug/l

RT: 5.800 min Scan# 654

Delta R.T. 0.082 min

Lab File: VN080964.D

Acq: 08 Feb 2024 15:22

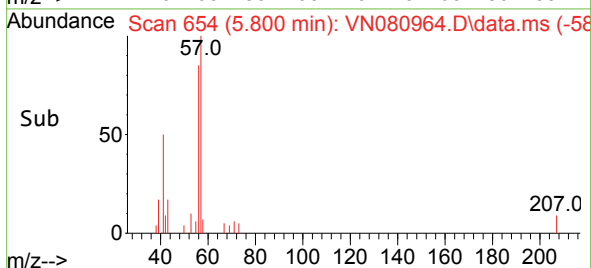
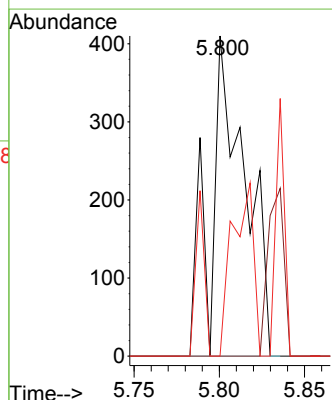
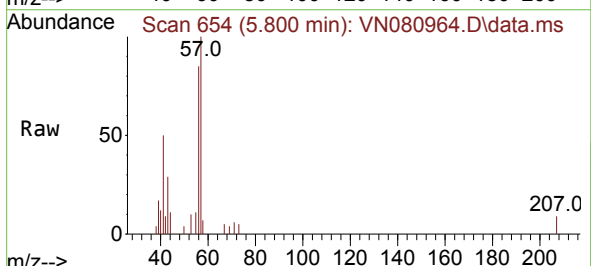
Tgt Ion: 53 Resp: 576

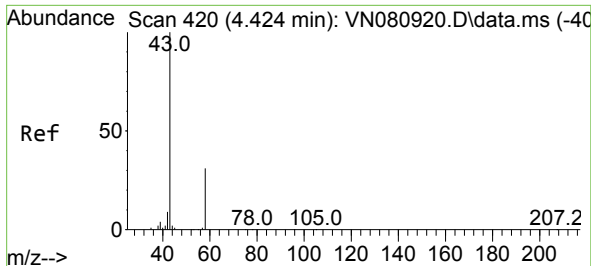
Ion Ratio Lower Upper

53 100

52 0.0 64.8 97.2#

51 13.0 26.9 40.3#

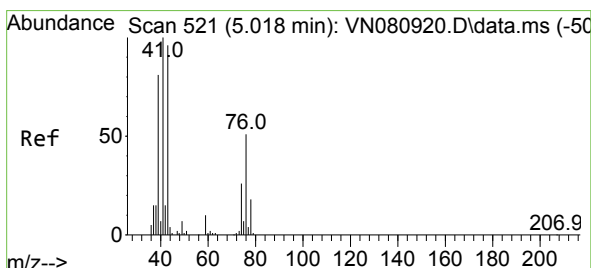
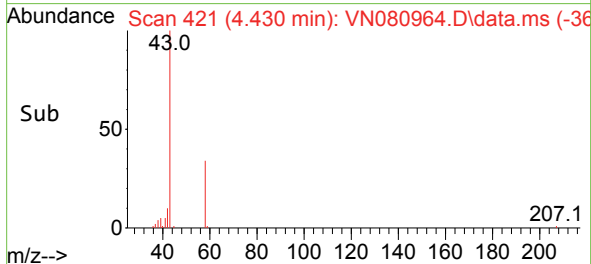
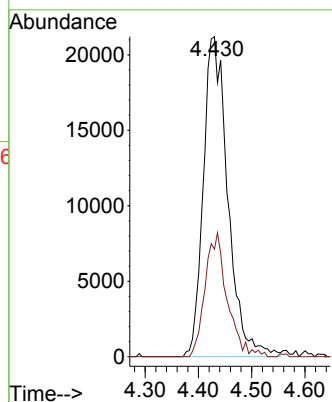
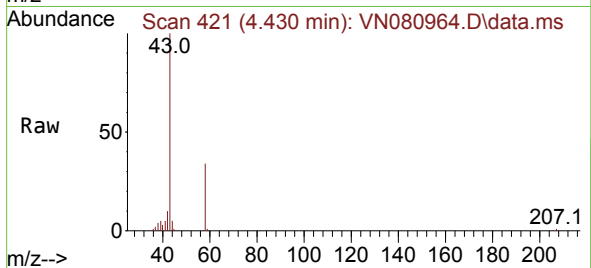




#16
Acetone
Concen: 53.578 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

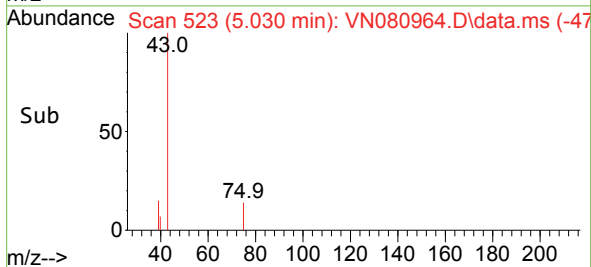
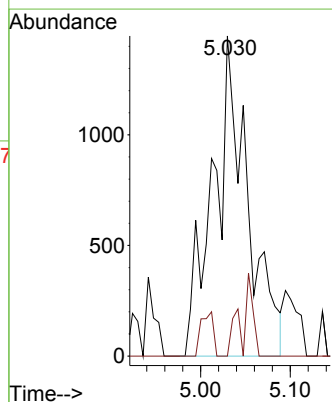
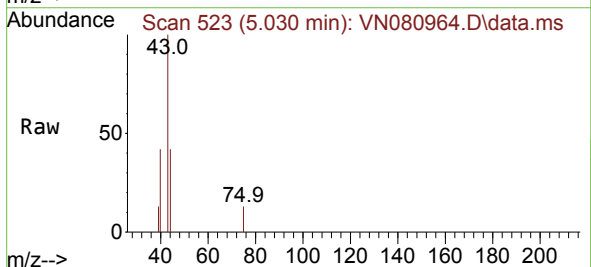
Instrument :
MSVOA_N
ClientSampleId :

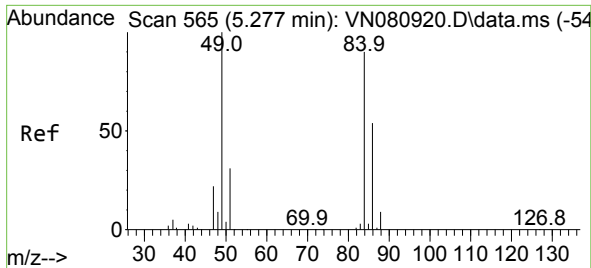
Tgt Ion: 43 Resp: 67745
Ion Ratio Lower Upper
43 100
58 33.6 24.8 37.2



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

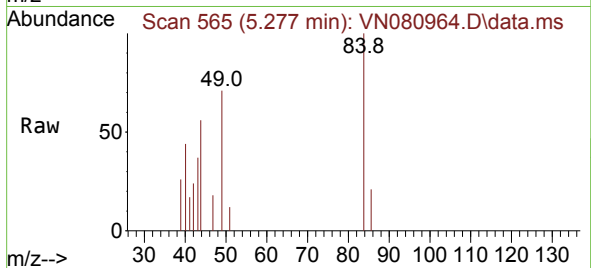
Tgt Ion: 43 Resp: 3857
Ion Ratio Lower Upper
43 100
74 3.5 17.3 25.9#



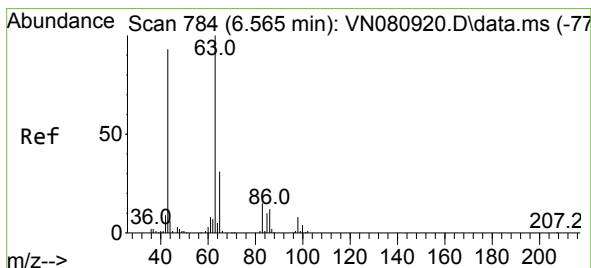
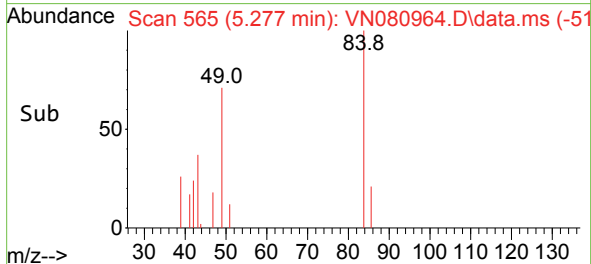
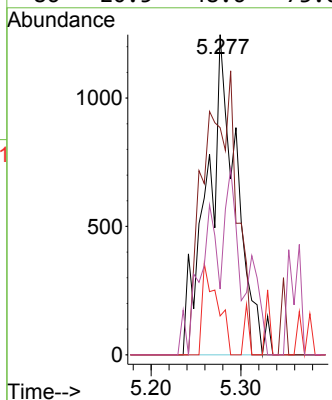


#20
Methylene Chloride
Concen: 0.748 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

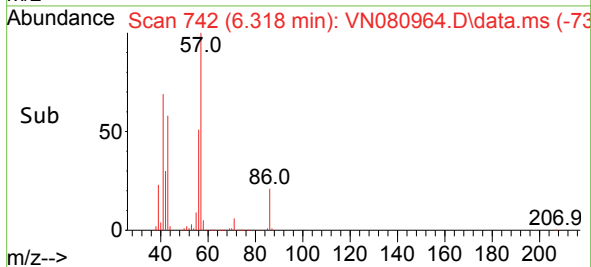
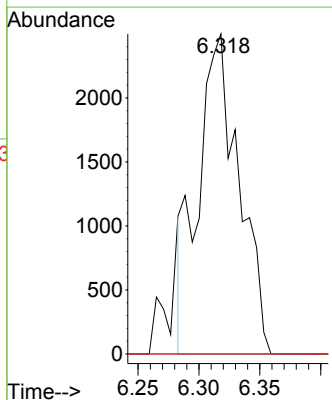
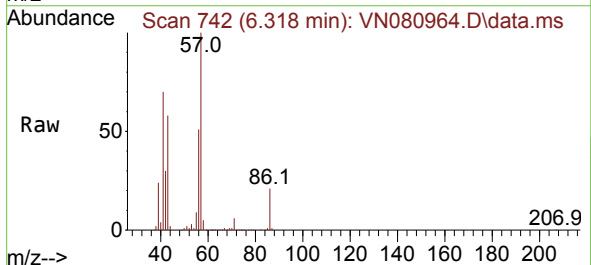


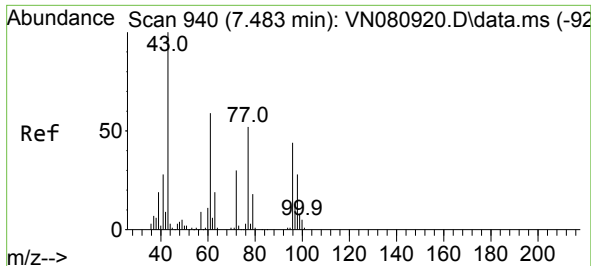
Tgt Ion:	84	Resp:	2867
Ion	Ratio	Lower	Upper
84	100		
49	71.0	108.1	162.1#
51	12.1	32.9	49.3#
86	20.5	48.6	73.0#



#24
1,1-Dichloroethane
Concen: 0.892 ug/l
RT: 6.318 min Scan# 742
Delta R.T. -0.247 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Tgt Ion:	63	Resp:	5825
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.9	8.6#
100	0.0	1.9	5.7#

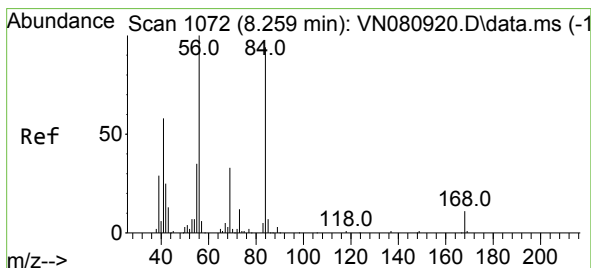
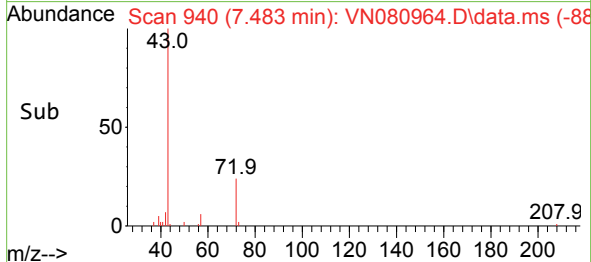
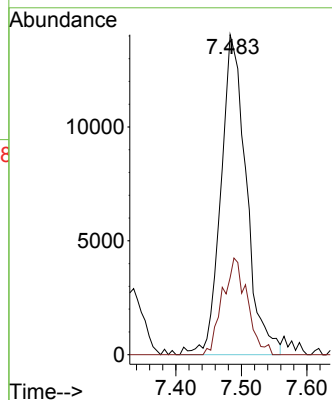
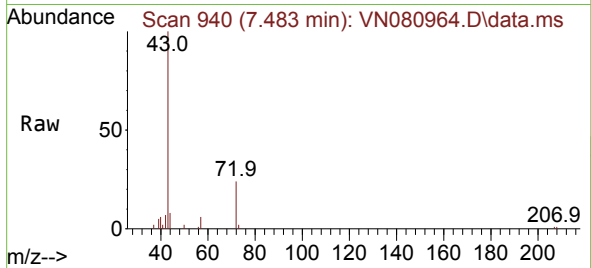




#25
2-Butanone
Concen: 18.580 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

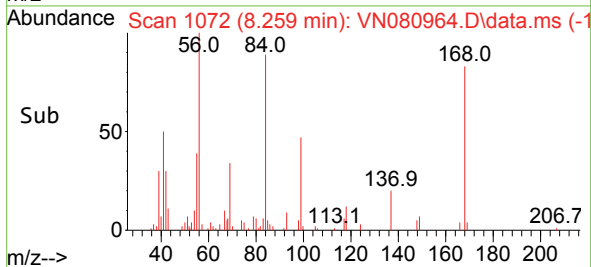
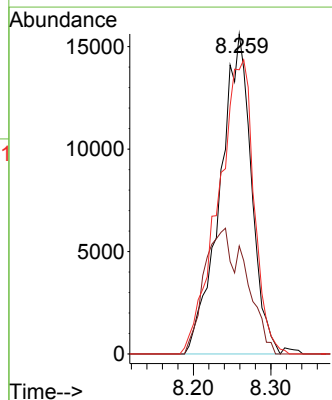
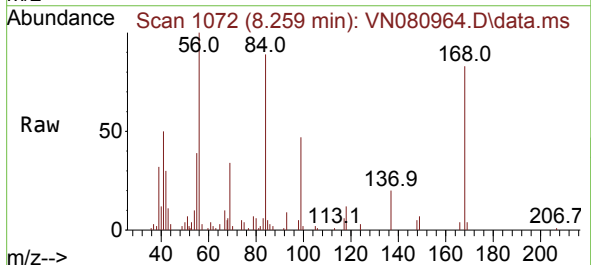
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MSVOA_N
ClientSampleId :

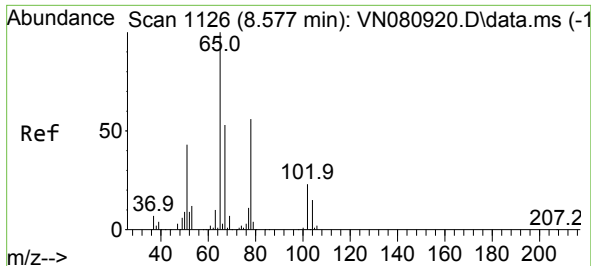
Tgt Ion: 43 Resp: 37708
Ion Ratio Lower Upper
43 100
72 24.1 19.5 29.3



#31
Cyclohexane
Concen: 8.404 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.000 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Tgt Ion: 56 Resp: 44145
Ion Ratio Lower Upper
56 100
69 33.7 20.1 30.1#
84 88.8 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 51.099 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080964.D

Acq: 08 Feb 2024 15:22

Instrument :

MSVOA_N

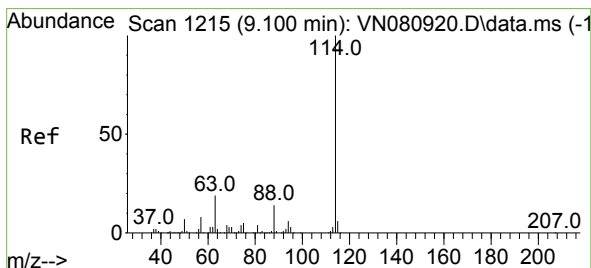
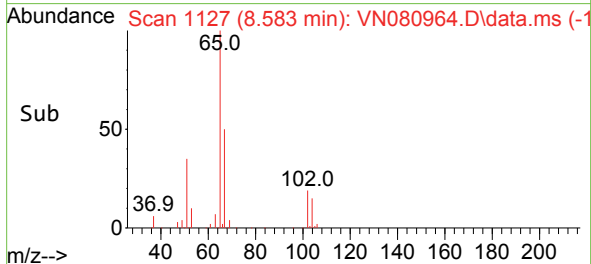
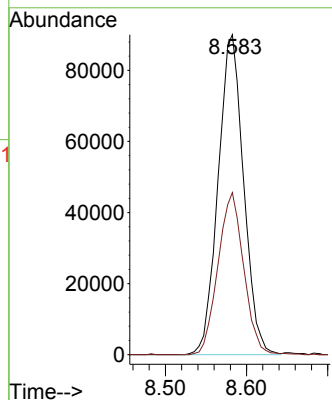
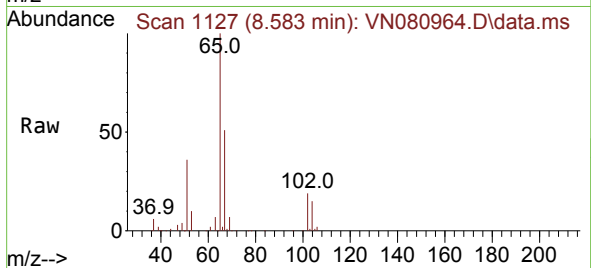
ClientSampleId :

Tgt Ion: 65 Resp: 196385

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080964.D

Acq: 08 Feb 2024 15:22

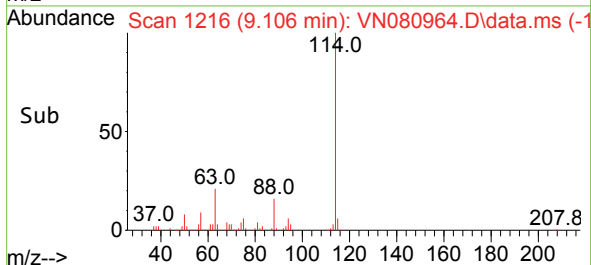
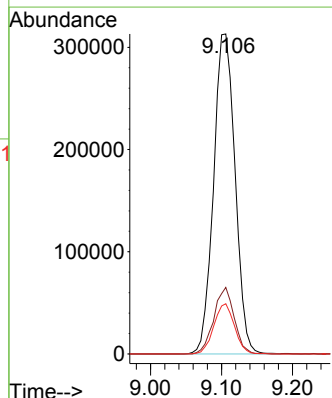
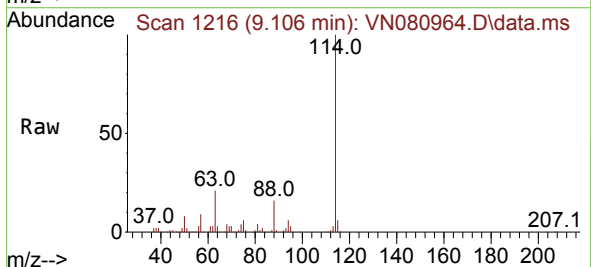
Tgt Ion: 114 Resp: 657773

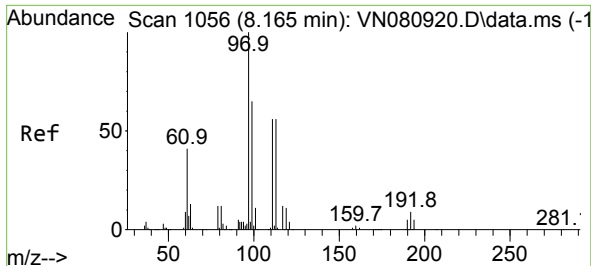
Ion Ratio Lower Upper

114 100

63 20.8 0.0 48.0

88 15.7 0.0 34.8

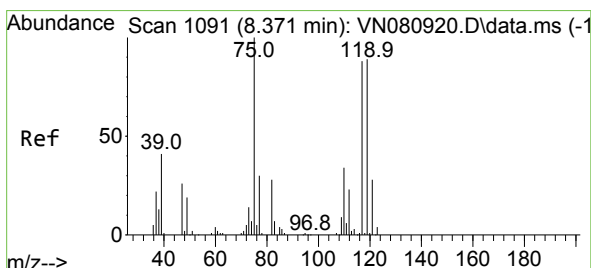
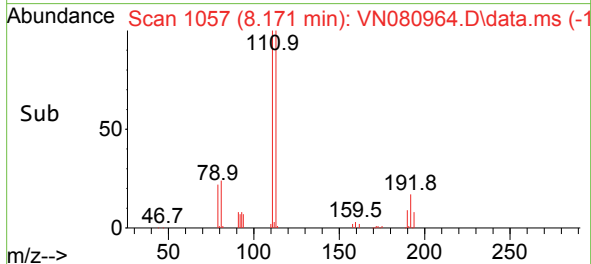
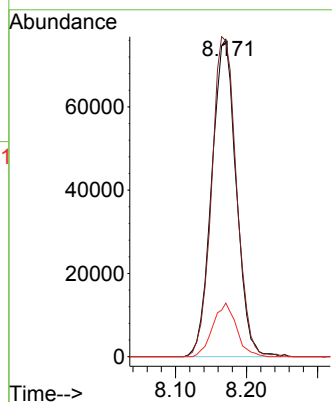
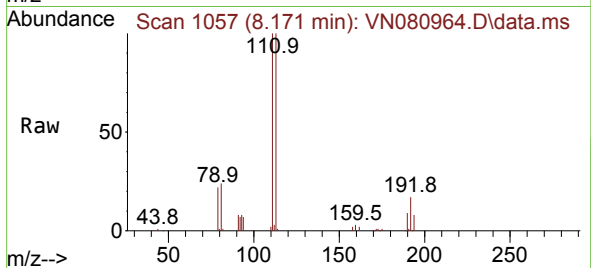




#35
Dibromofluoromethane
Concen: 51.695 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

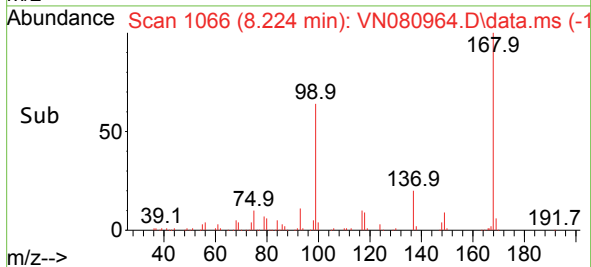
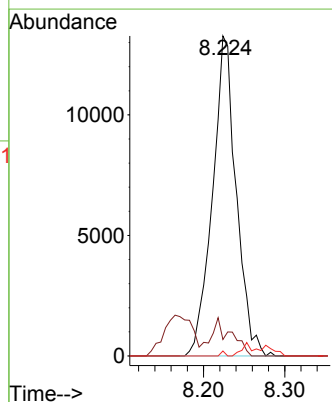
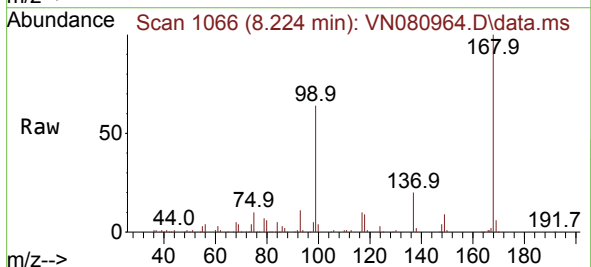
Instrument :
MSVOA_N
ClientSampleId :

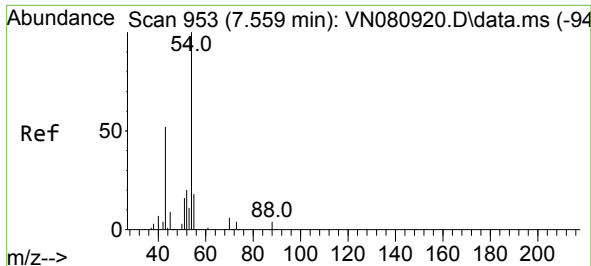
Tgt Ion:113 Resp: 182464
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 16.2 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.145 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

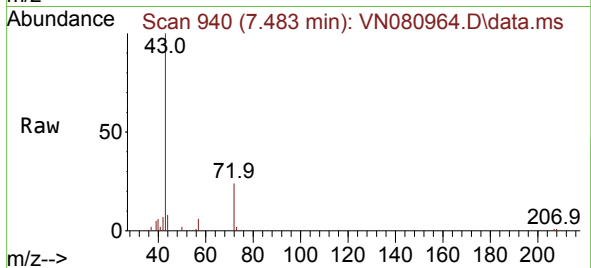
Tgt Ion: 75 Resp: 27015
Ion Ratio Lower Upper
75 100
110 8.7 16.0 48.0#
77 0.3 25.8 38.6#



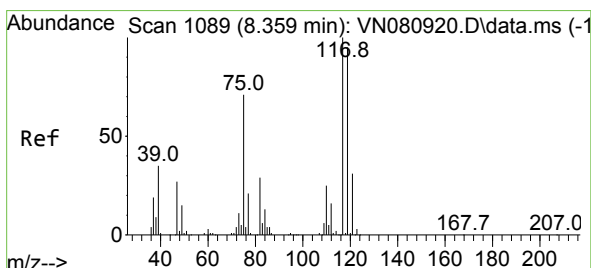
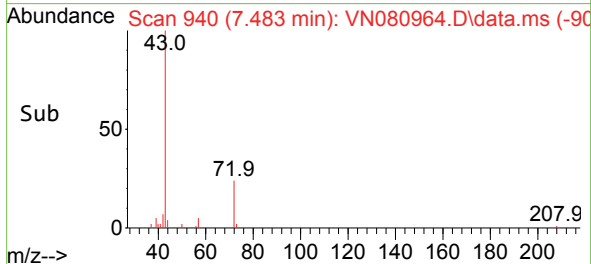
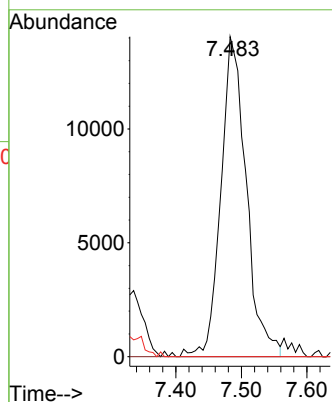


#37
Ethyl Acetate
Concen: 9.491 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.077 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

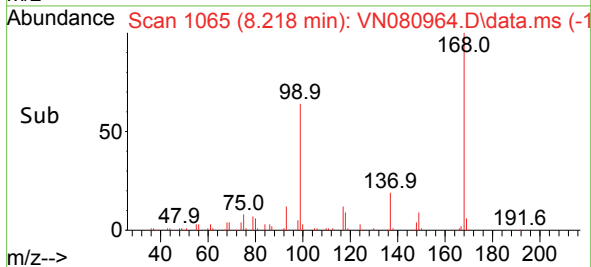
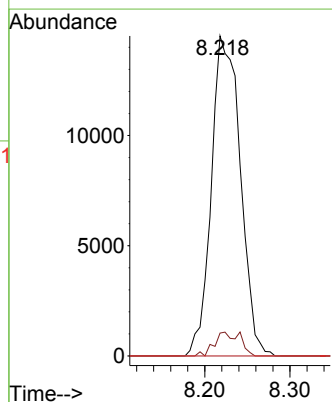
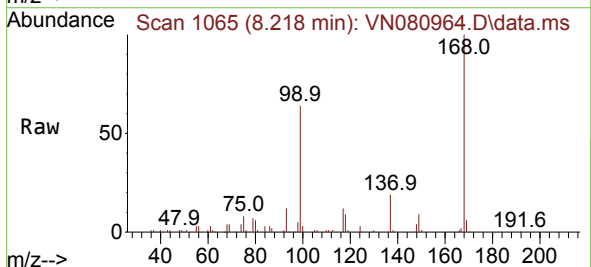


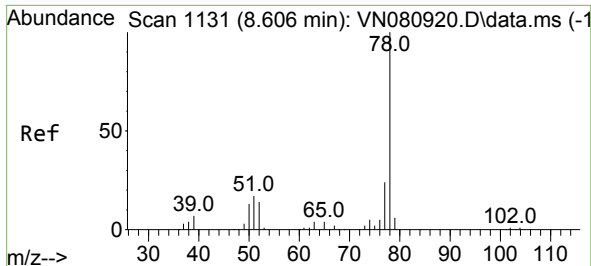
Tgt Ion: 43 Resp: 37708
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.371 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Tgt Ion: 117 Resp: 34295
Ion Ratio Lower Upper
117 100
119 7.1 73.4 110.2#
121 0.0 24.4 36.6#

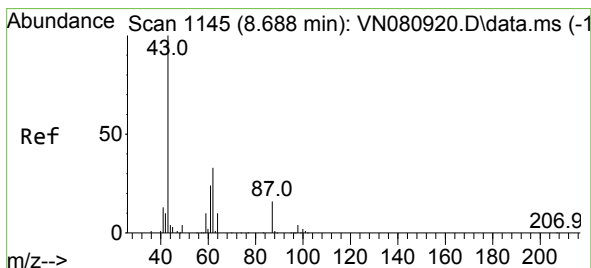
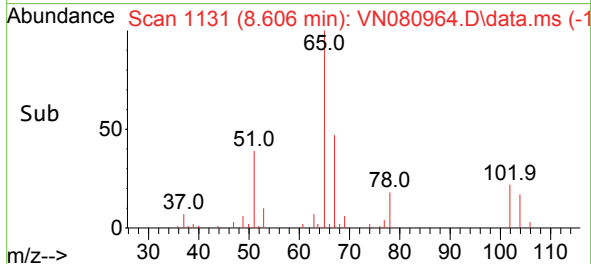
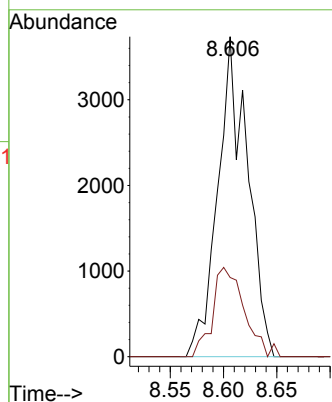
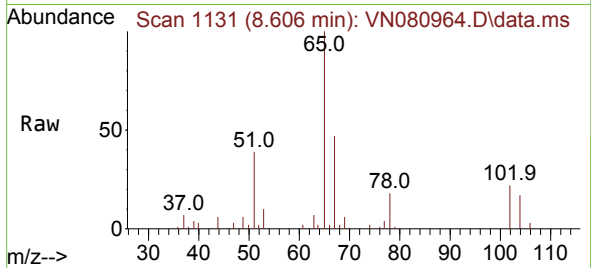




#40
Benzene
Concen: 0.454 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

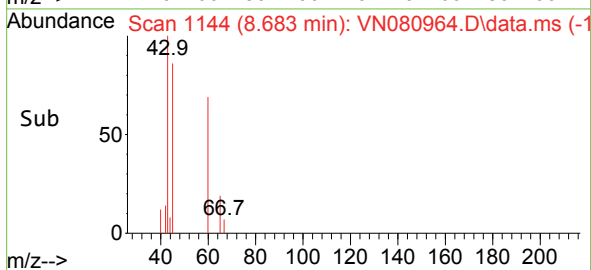
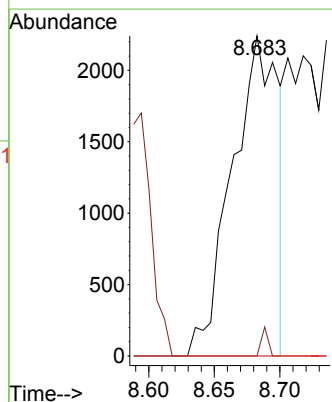
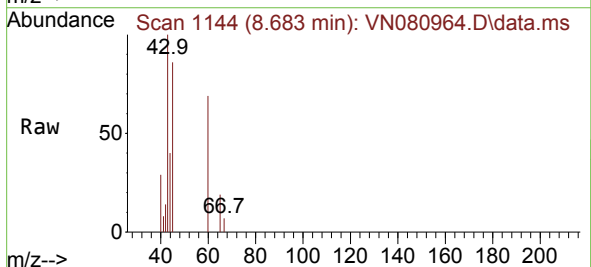
Instrument :
MSVOA_N
ClientSampleId :

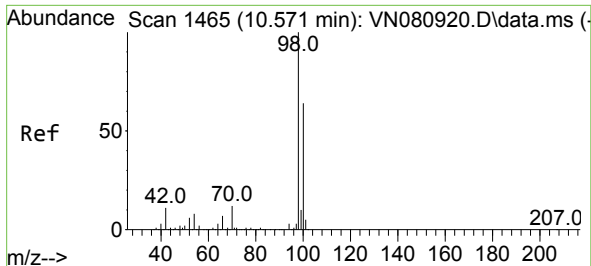
Tgt Ion: 78 Resp: 7252
Ion Ratio Lower Upper
78 100
77 24.8 20.4 30.6



#43
Isopropyl Acetate
Concen: 0.747 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Tgt Ion: 43 Resp: 5457
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#

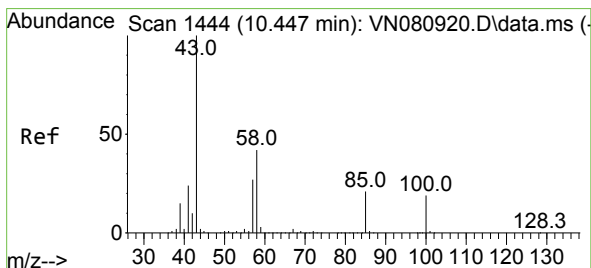
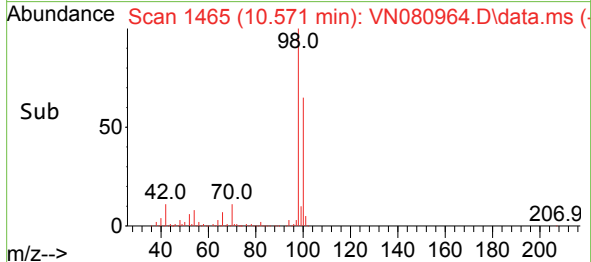
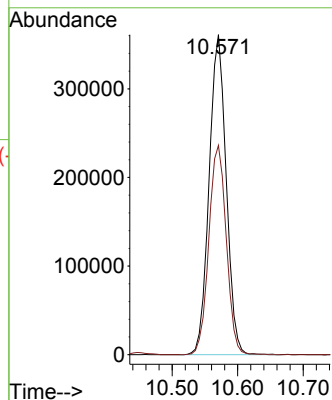
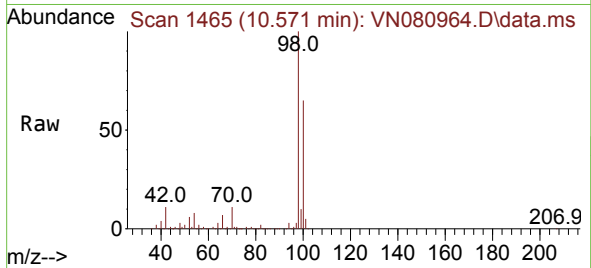




#50
Toluene-d8
Concen: 51.179 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

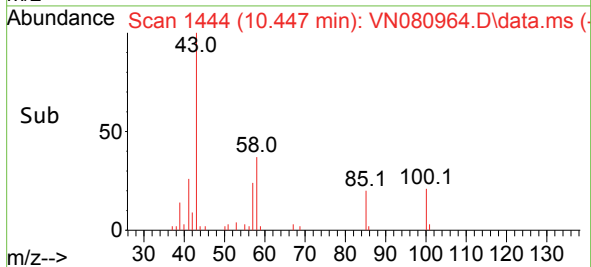
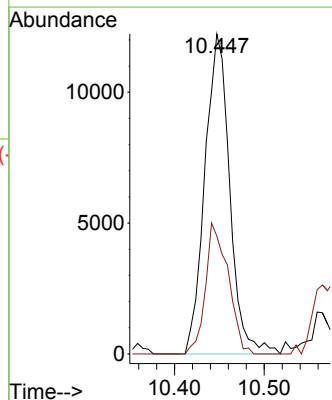
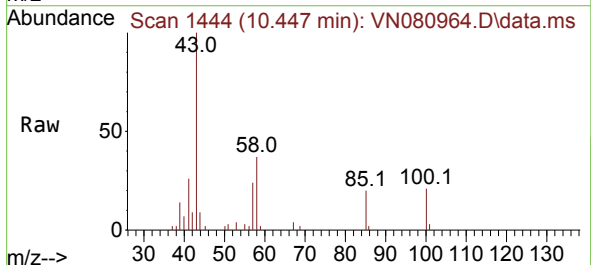
Instrument :
MSVOA_N
ClientSampleId :

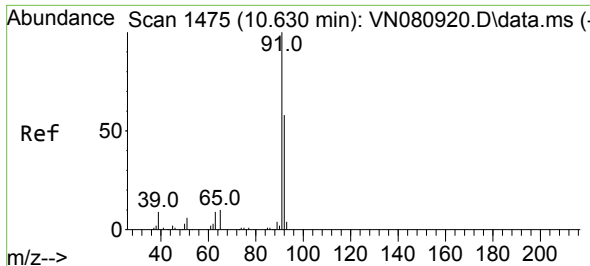
Tgt Ion: 98 Resp: 653394
Ion Ratio Lower Upper
98 100
100 66.8 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 5.347 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Tgt Ion: 43 Resp: 23541
Ion Ratio Lower Upper
43 100
58 37.3 29.4 44.0

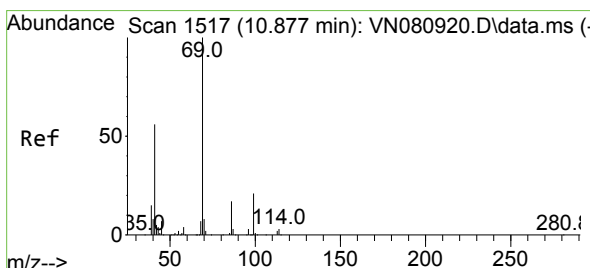
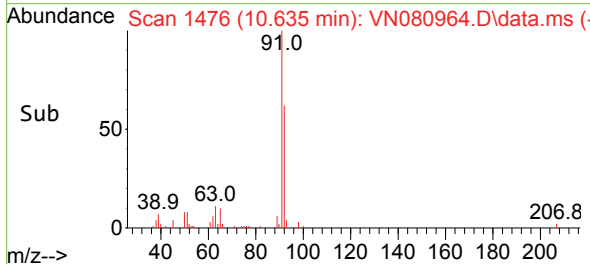
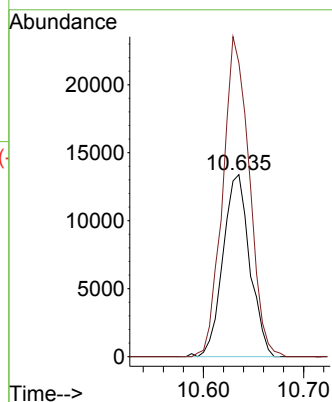
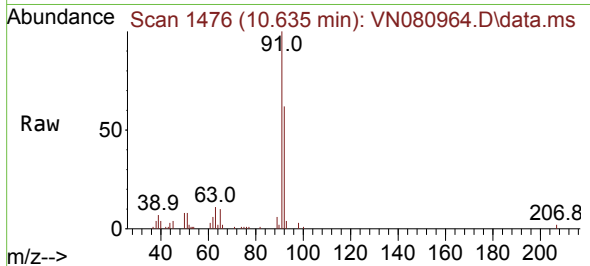




#52
Toluene
Concen: 2.326 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

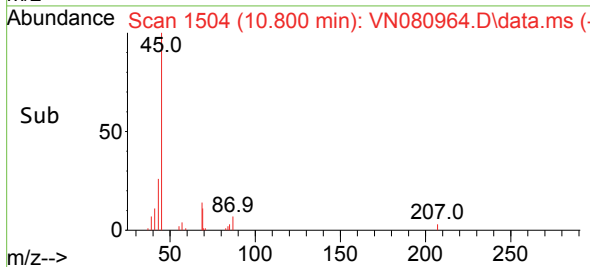
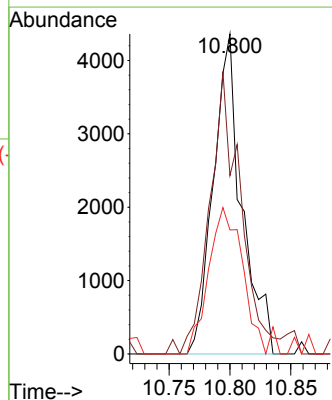
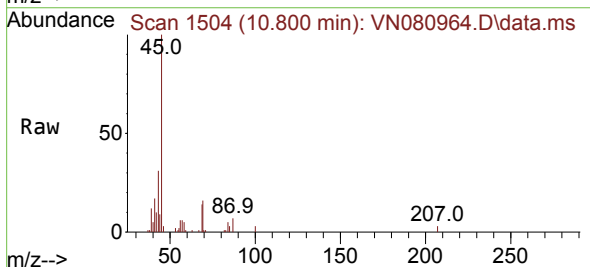
Instrument :
MSVOA_N
ClientSampleId :

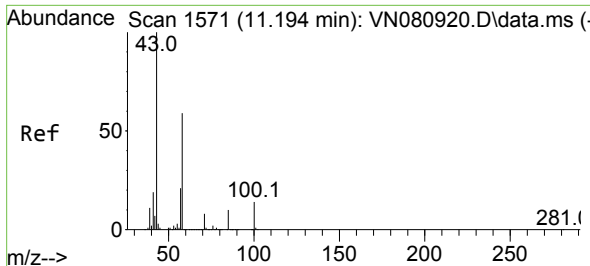
Tgt Ion: 92 Resp: 24898
Ion Ratio Lower Upper
92 100
91 174.0 139.4 209.0



#56
Ethyl methacrylate
Concen: 1.429 ug/l
RT: 10.800 min Scan# 1504
Delta R.T. -0.077 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Tgt Ion: 69 Resp: 7076
Ion Ratio Lower Upper
69 100
41 96.3 61.0 91.6#
39 56.2 31.8 47.6#

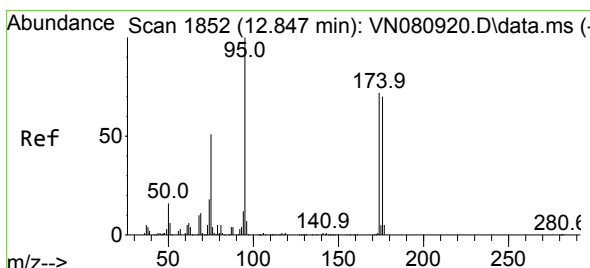
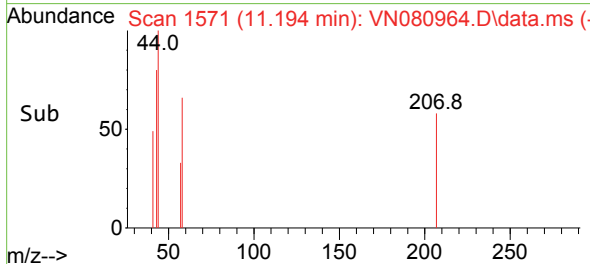
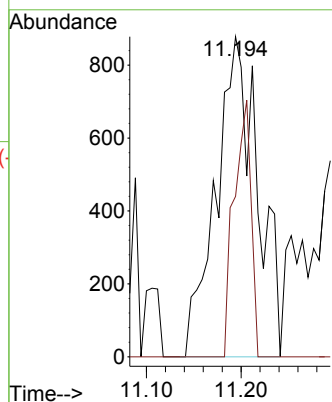
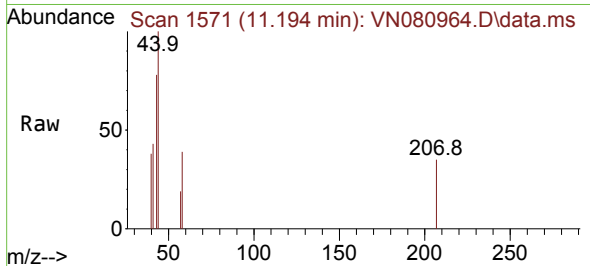




#59
2-Hexanone
Concen: 0.800 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

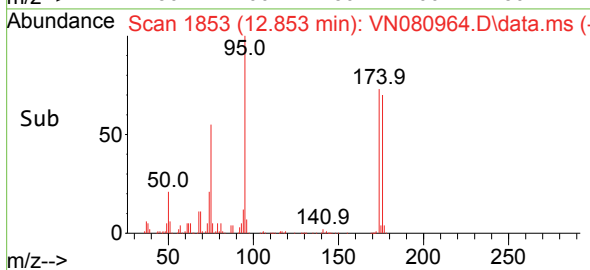
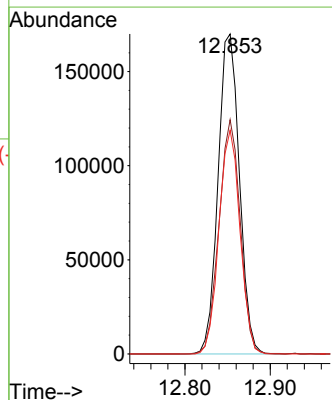
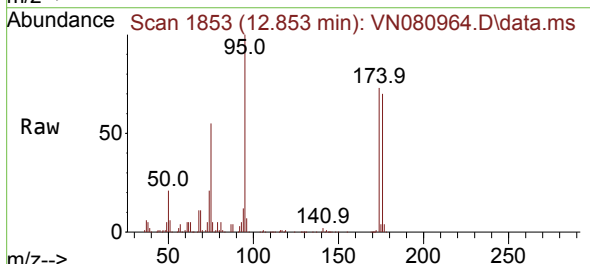
Instrument :
MSVOA_N
ClientSampleId :

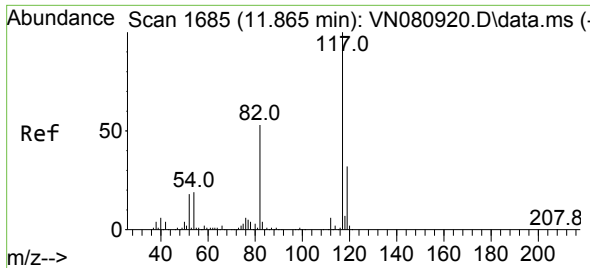
Tgt Ion: 43 Resp: 2669
Ion Ratio Lower Upper
43 100
58 32.9 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 63.655 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

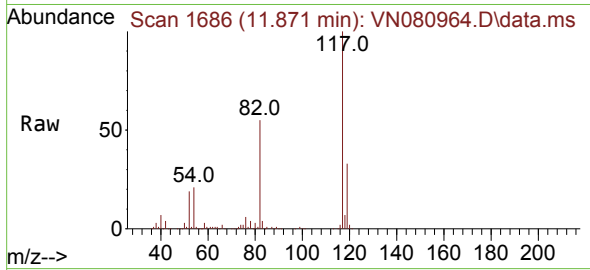
Tgt Ion: 95 Resp: 295224
Ion Ratio Lower Upper
95 100
174 72.7 0.0 120.4
176 69.1 0.0 121.0



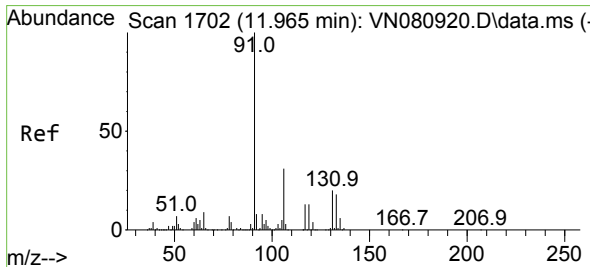
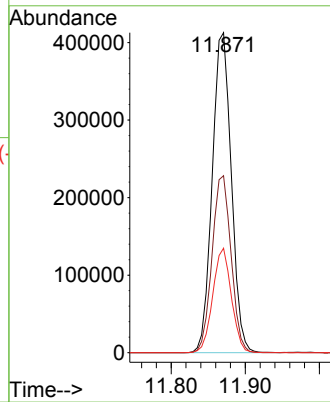
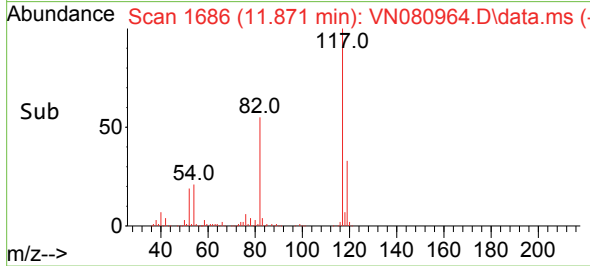


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

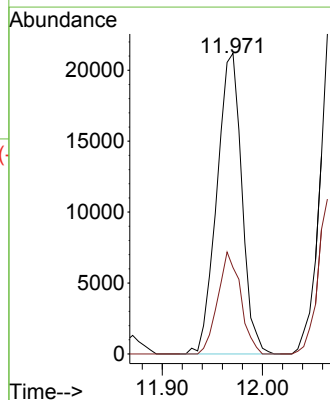
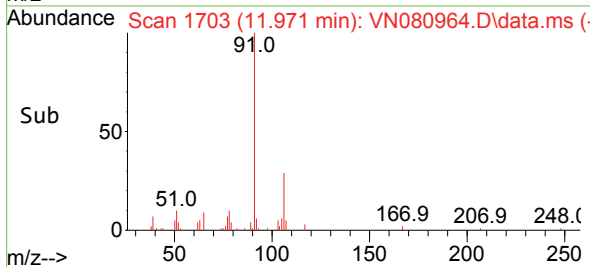
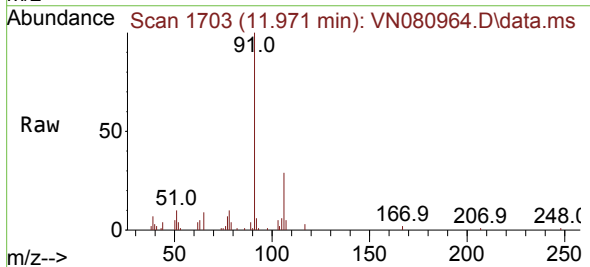


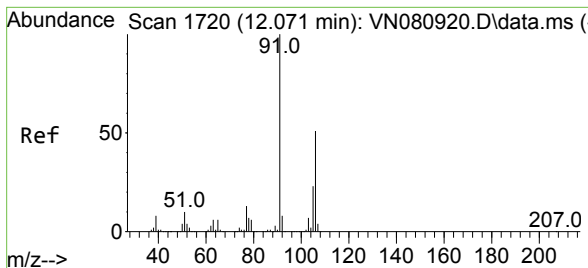
Tgt Ion:117 Resp: 737526
Ion Ratio Lower Upper
117 100
82 55.3 52.7 79.1
119 32.7 25.3 37.9



#67
Ethyl Benzene
Concen: 1.374 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Tgt Ion: 91 Resp: 36580
Ion Ratio Lower Upper
91 100
106 28.7 23.8 35.6

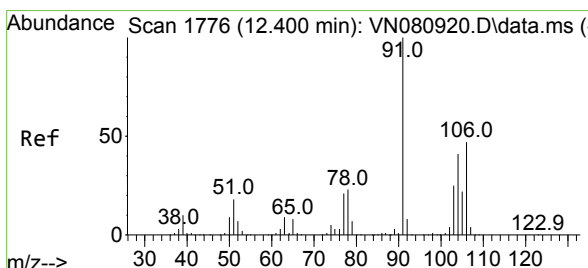
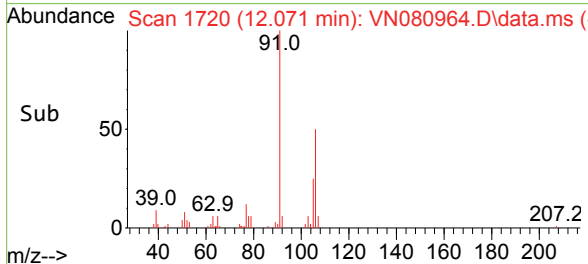
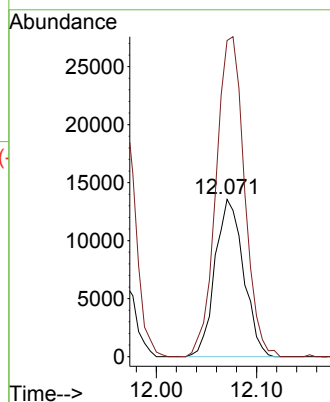
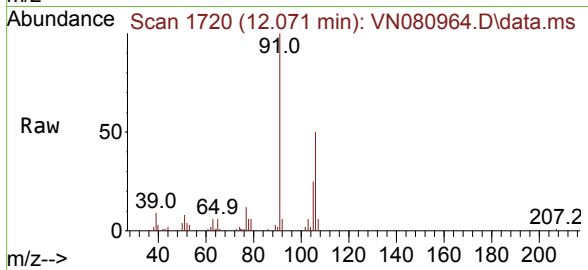




#68
m/p-Xylenes
Concen: 2.649 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

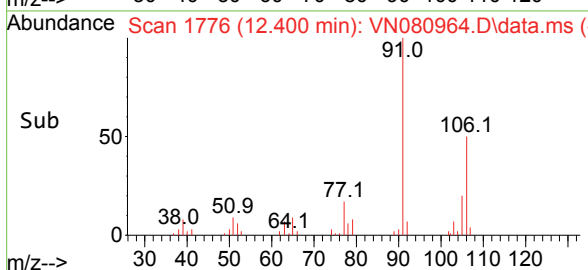
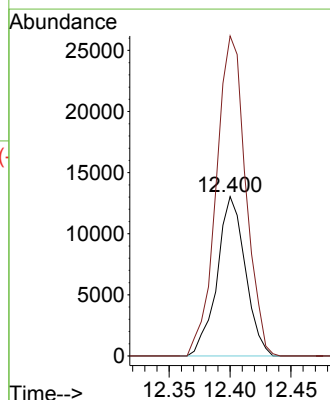
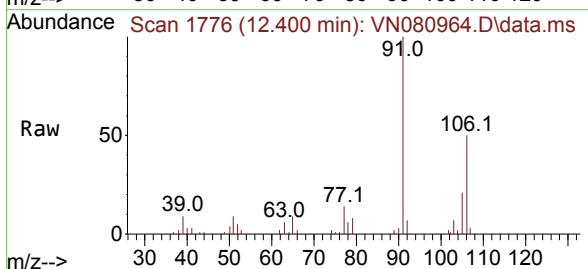
Instrument :
MSVOA_N
ClientSampleId :

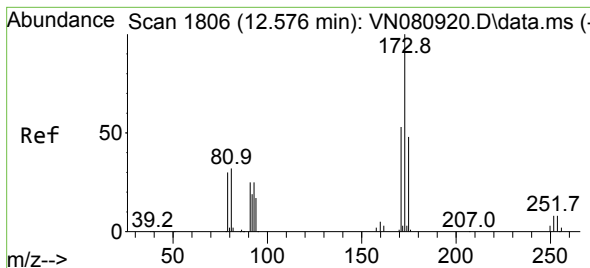
Tgt Ion:106 Resp: 26796
Ion Ratio Lower Upper
106 100
91 202.5 169.0 253.6



#69
o-Xylene
Concen: 2.141 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080964.D
Acq: 08 Feb 2024 15:22

Tgt Ion:106 Resp: 21015
Ion Ratio Lower Upper
106 100
91 210.4 112.1 336.3





#71

Bromoform

Concen: 0.201 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

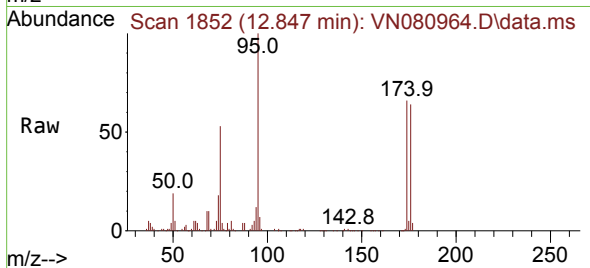
Lab File: VN080964.D

Acq: 08 Feb 2024 15:22

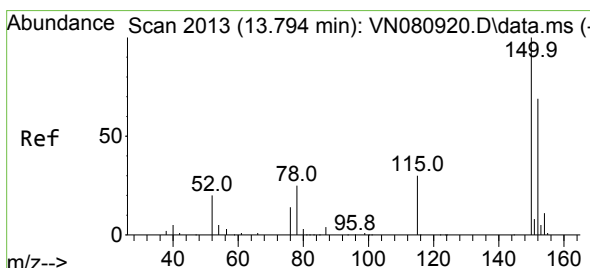
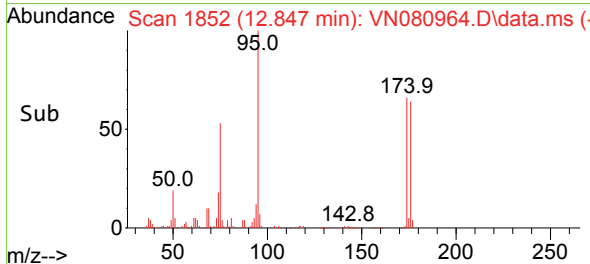
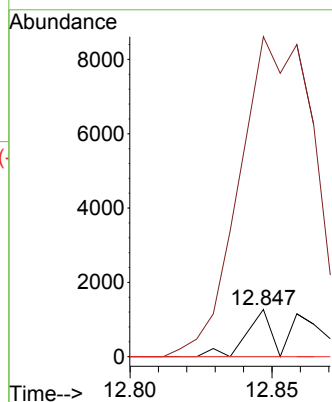
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	751
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.1	69.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

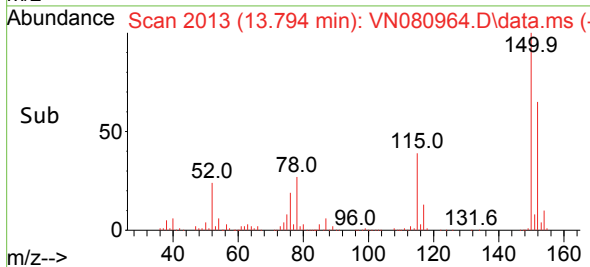
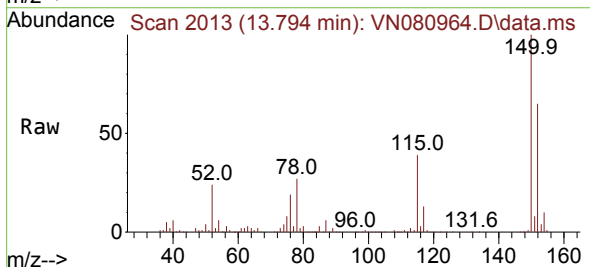
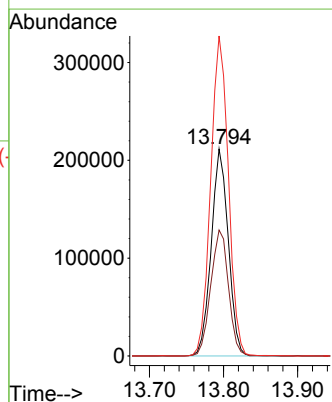
RT: 13.794 min Scan# 2013

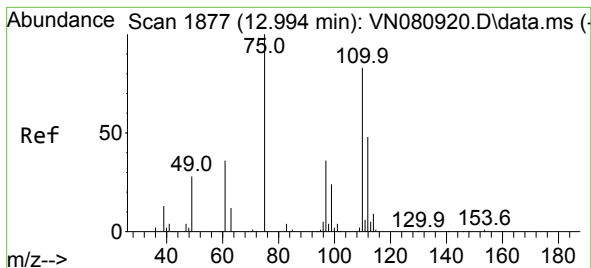
Delta R.T. -0.000 min

Lab File: VN080964.D

Acq: 08 Feb 2024 15:22

Tgt Ion:	152	Resp:	338507
Ion Ratio	Lower	Upper	
152	100		
115	63.2	32.3	96.8
150	160.1	0.0	339.8





#76

1,2,3-Trichloropropane

Concen: 22.974 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080964.D

Acq: 08 Feb 2024 15:22

Instrument :

MSVOA_N

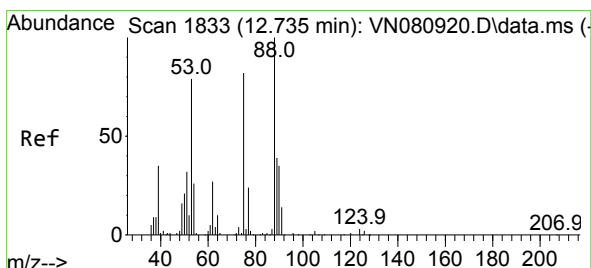
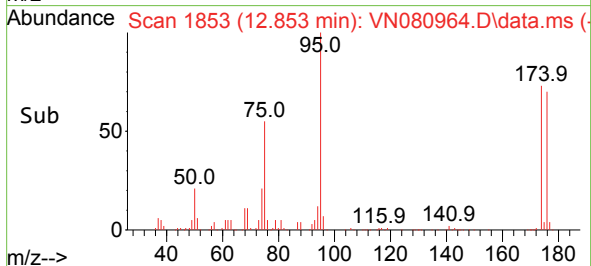
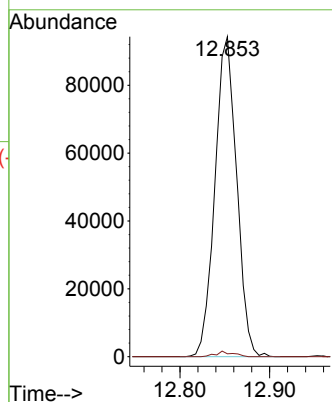
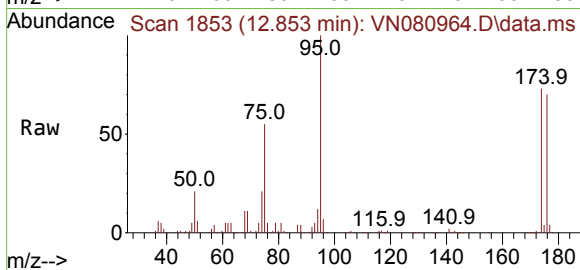
ClientSampleId :

Tgt Ion: 75 Resp: 158567

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.418 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080964.D

Acq: 08 Feb 2024 15:22

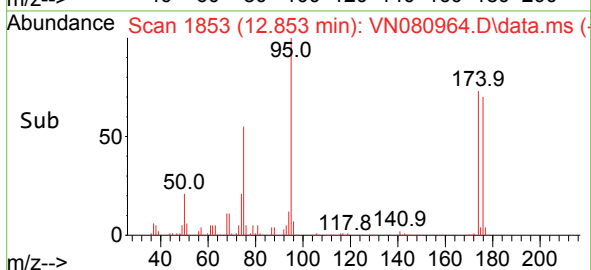
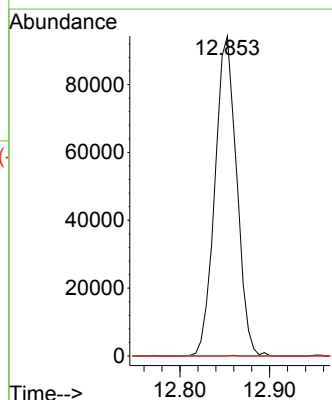
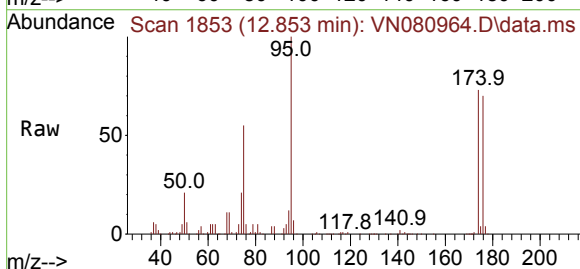
Tgt Ion: 75 Resp: 158567

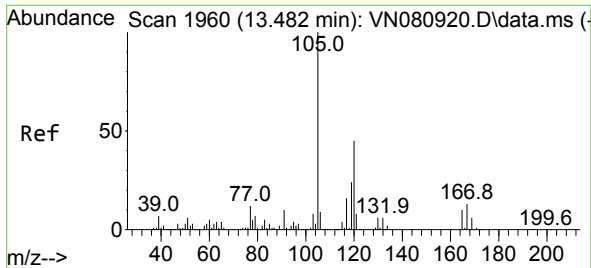
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

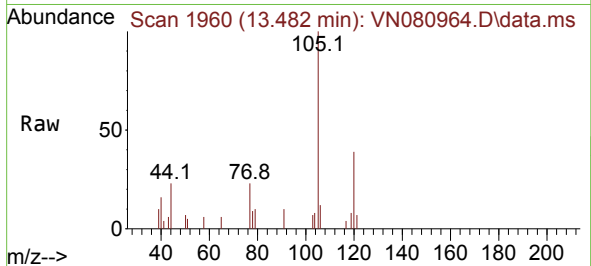
89 0.0 33.4 50.0#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.283 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN080964.D
 Acq: 08 Feb 2024 15:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:105 Resp: 6022
 Ion Ratio Lower Upper
 105 100
 120 48.7 20.9 62.7

