

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080968.D
 Acq On : 08 Feb 2024 16:58
 Operator : JC\MD
 Sample : P1372-04 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 01:24:11 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)

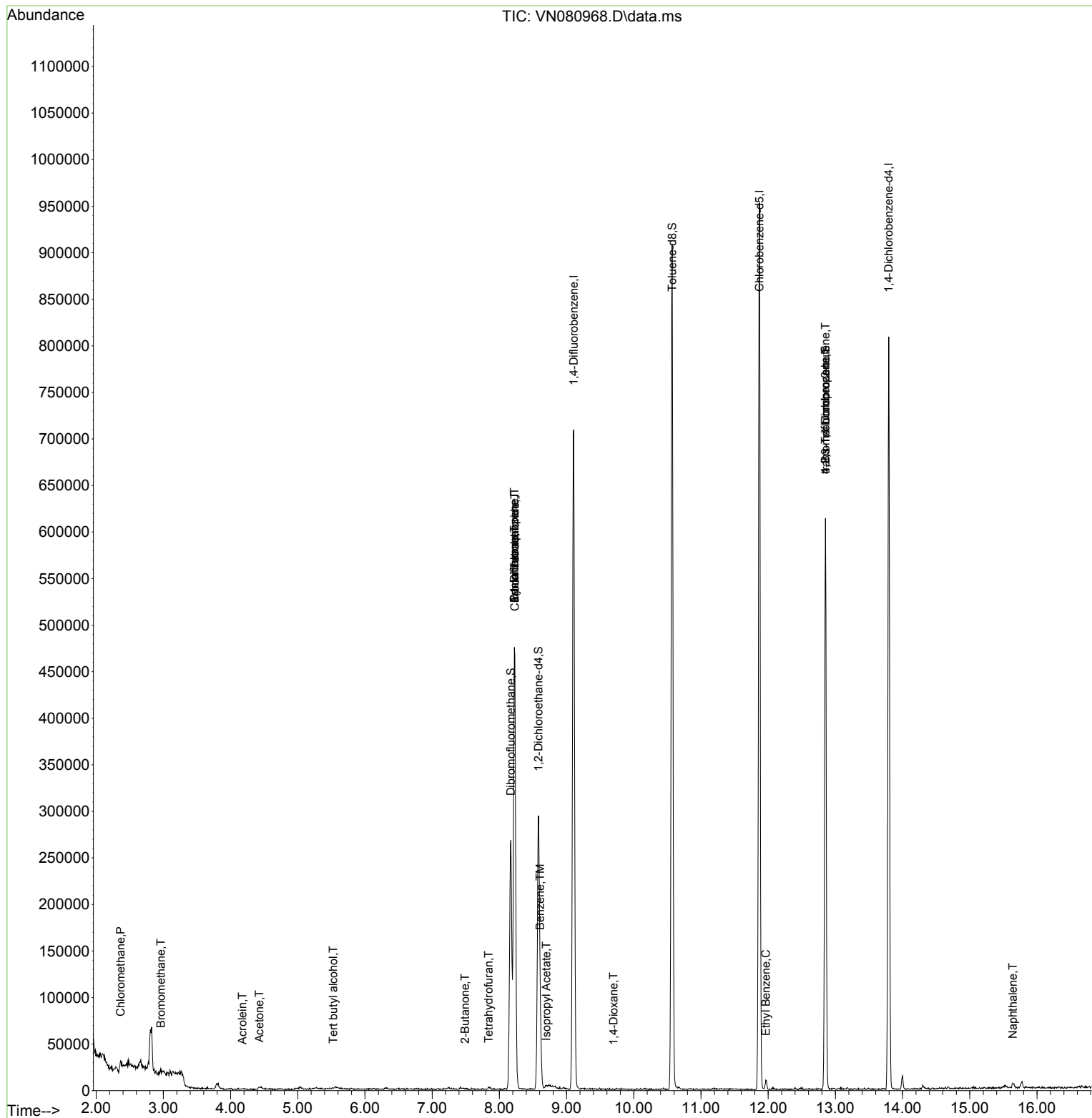
Internal Standards						
1) Pentafluorobenzene	8.224	168	340736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	635512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	544468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	225574	52.479	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.960%	
35) Dibromofluoromethane	8.171	113	192808	56.539	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.080%	
50) Toluene-d8	10.571	98	635112	51.489	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	12.853	95	210807	47.045	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	9811	1.103	ug/l	96
5) Bromomethane	2.965	94	2710	0.836	ug/l #	76
11) Tert butyl alcohol	5.530	59	1068	1.803	ug/l #	86
13) Acrolein	4.177	56	483	0.647	ug/l #	51
16) Acetone	4.430	43	5466	3.865	ug/l	92
18) Methyl Acetate	5.042	43	4601	Below Cal		99
25) 2-Butanone	7.489	43	1330	0.586	ug/l #	81
29) Tetrahydrofuran	7.841	42	1510	1.088	ug/l #	76
31) Cyclohexane	8.224	56	8683	1.478	ug/l #	43
36) 1,1-Dichloropropene	8.224	75	28530	5.624	ug/l #	50
38) Carbon Tetrachloride	8.230	117	38012	7.309	ug/l #	19
40) Benzene	8.606	78	58831	3.810	ug/l	96
43) Isopropyl Acetate	8.700	43	2948	0.418	ug/l #	57
49) 1,4-Dioxane	9.700	88	54	0.735	ug/l #	18
67) Ethyl Benzene	11.965	91	7449	0.379	ug/l	91
76) 1,2,3-Trichloropropane	12.853	75	112751	26.588	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112751	72.237	ug/l #	14
95) Naphthalene	15.641	128	4944	0.435	ug/l #	91

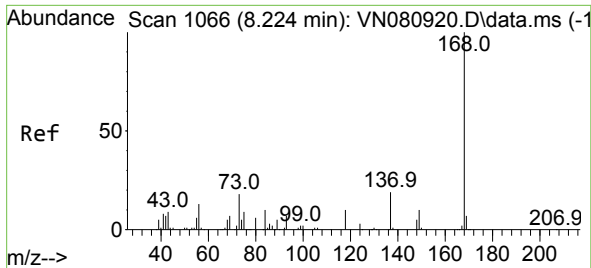
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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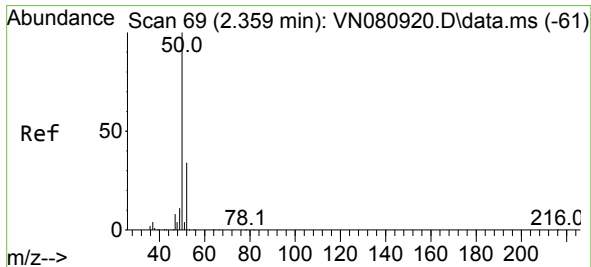
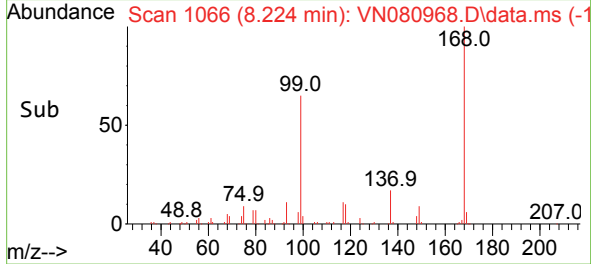
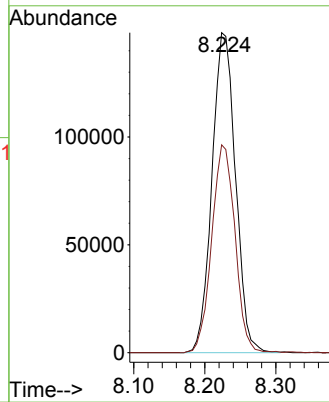
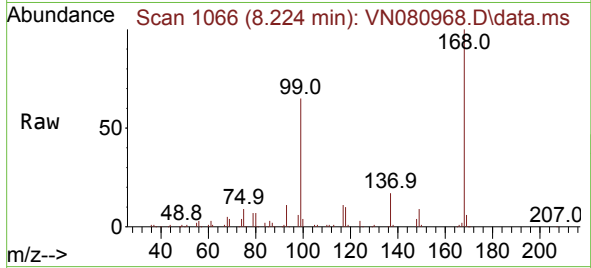




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

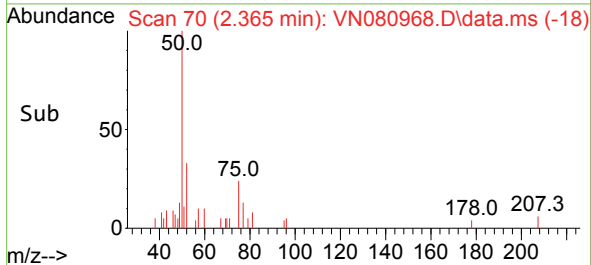
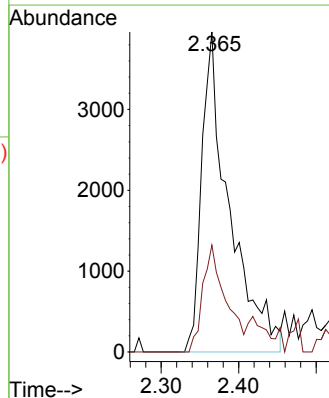
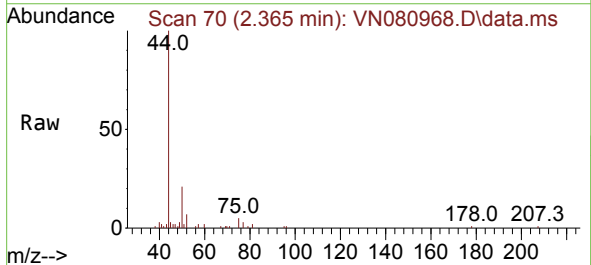
Instrument :
MSVOA_N
ClientSampleId :

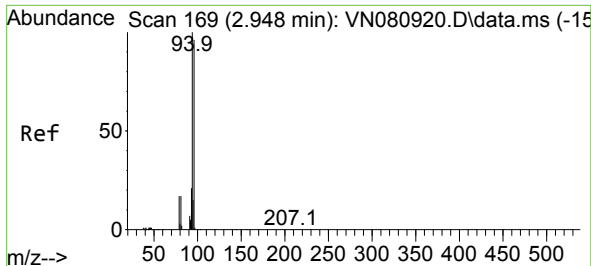
Tgt Ion:168 Resp: 340736
Ion Ratio Lower Upper
168 100
99 65.0 59.9 89.9



#3
Chloromethane
Concen: 1.103 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

Tgt Ion: 50 Resp: 9811
Ion Ratio Lower Upper
50 100
52 33.4 25.0 37.4





#5

Bromomethane

Concen: 0.836 ug/l

RT: 2.965 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN080968.D

Acq: 08 Feb 2024 16:58

Instrument :

MSVOA_N

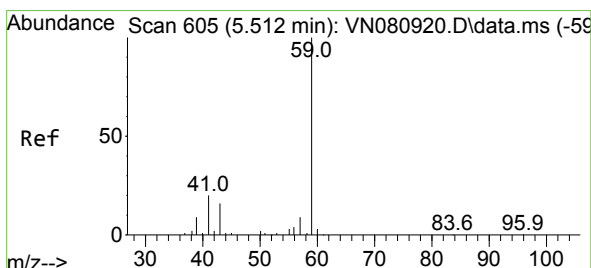
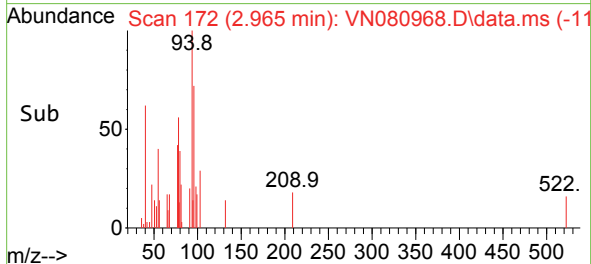
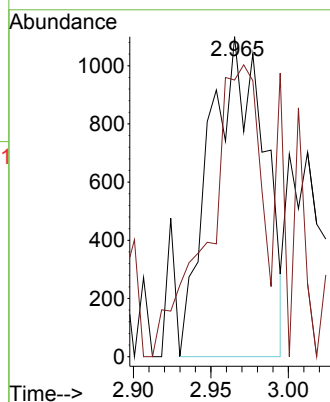
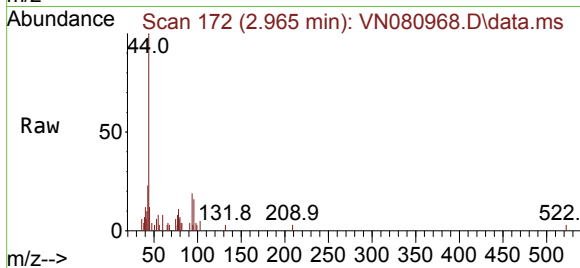
ClientSampleId :

Tgt Ion: 94 Resp: 2710

Ion Ratio Lower Upper

94 100

96 64.1 69.2 103.8#



#11

Tert butyl alcohol

Concen: 1.803 ug/l

RT: 5.530 min Scan# 608

Delta R.T. 0.018 min

Lab File: VN080968.D

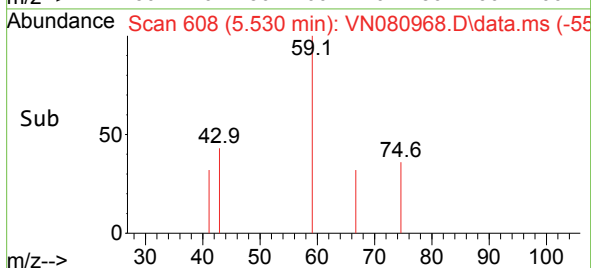
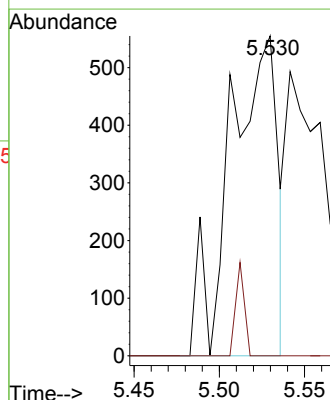
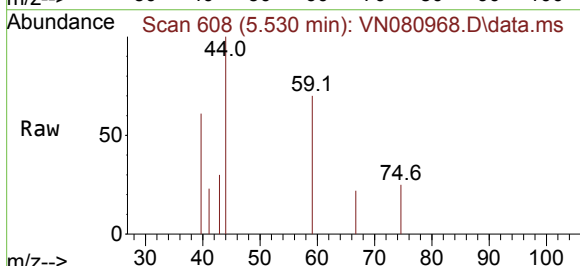
Acq: 08 Feb 2024 16:58

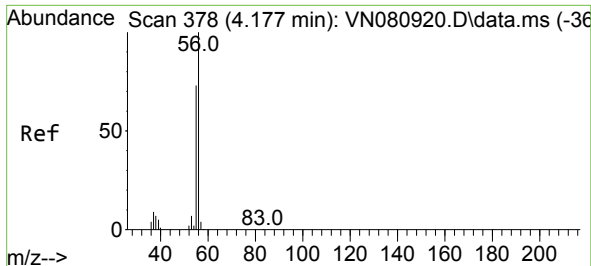
Tgt Ion: 59 Resp: 1068

Ion Ratio Lower Upper

59 100

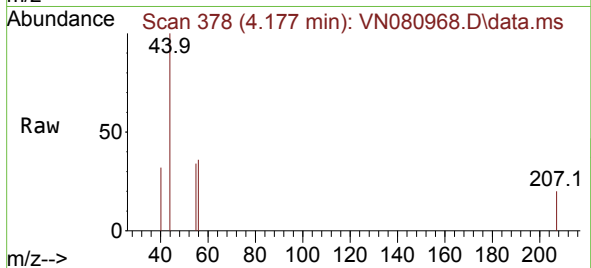
57 5.3 8.6 12.8#



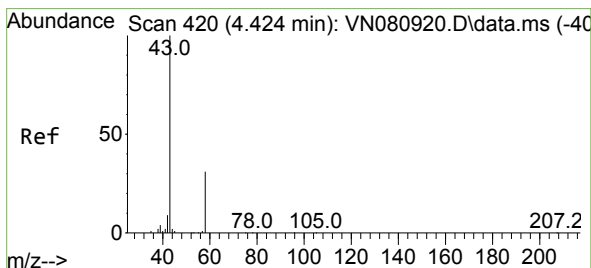
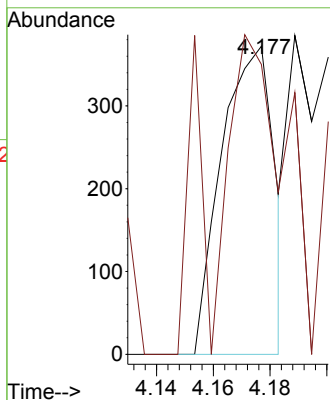
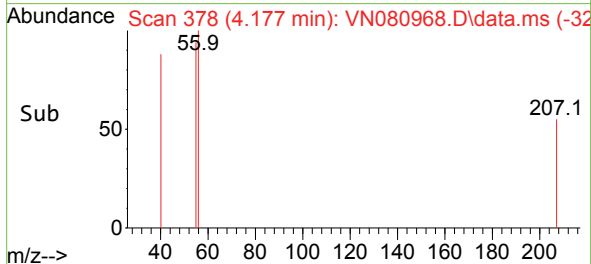


#13
Acrolein
Concen: 0.647 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

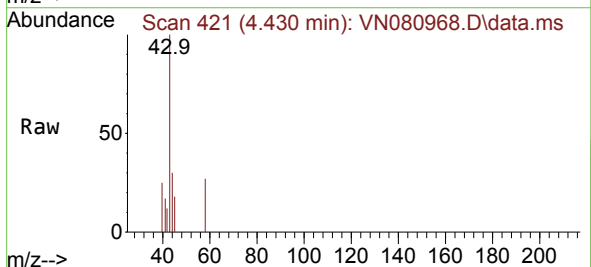
Instrument :
MSVOA_N
ClientSampleId :



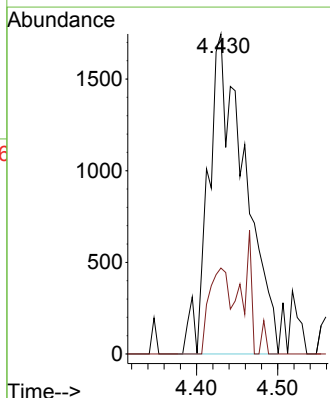
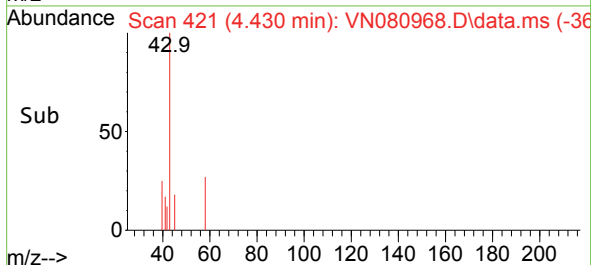
Tgt Ion: 56 Resp: 483
Ion Ratio Lower Upper
56 100
55 109.3 55.3 82.9#

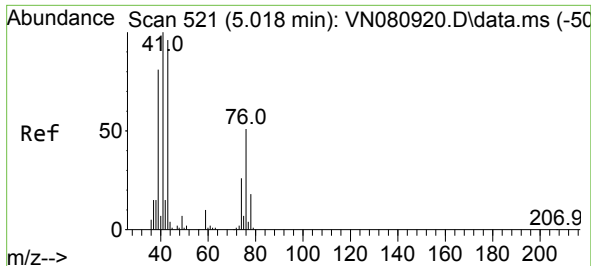


#16
Acetone
Concen: 3.865 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58



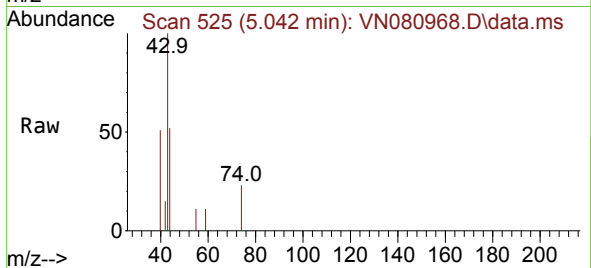
Tgt Ion: 43 Resp: 5466
Ion Ratio Lower Upper
43 100
58 26.9 24.8 37.2



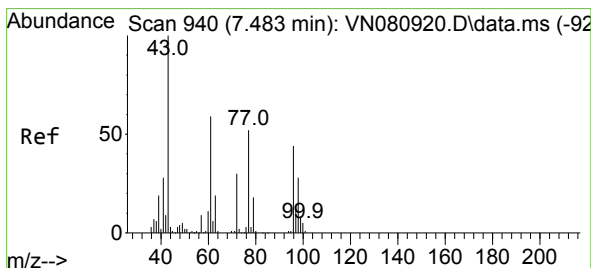
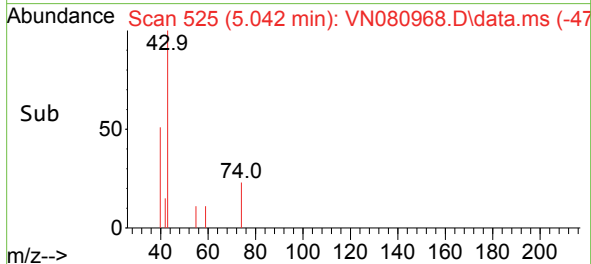
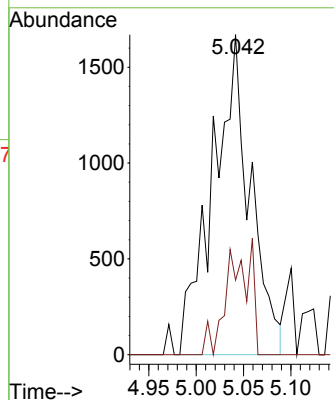


#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

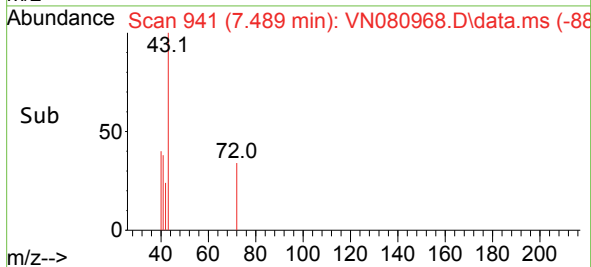
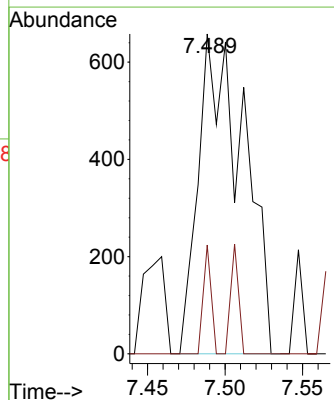
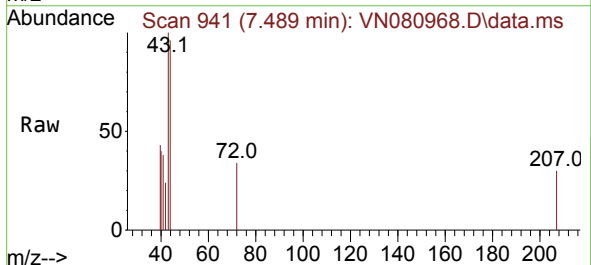


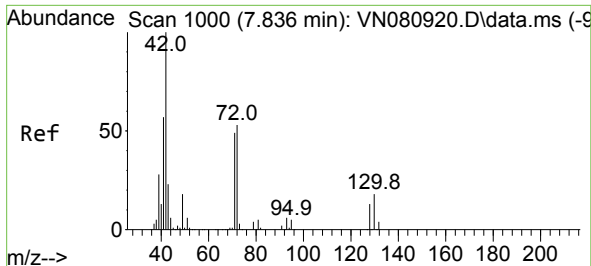
Tgt Ion: 43 Resp: 4601
Ion Ratio Lower Upper
43 100
74 22.0 17.3 25.9



#25
2-Butanone
Concen: 0.586 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

Tgt Ion: 43 Resp: 1330
Ion Ratio Lower Upper
43 100
72 34.0 19.5 29.3#





#29

Tetrahydrofuran

Concen: 1.088 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN080968.D

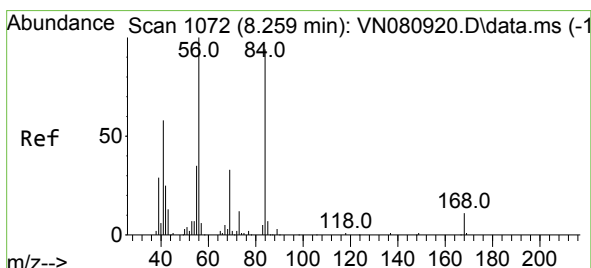
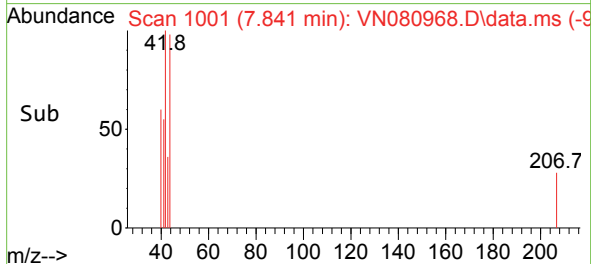
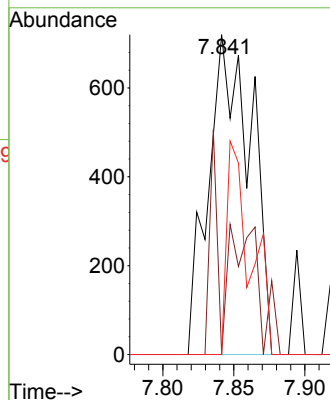
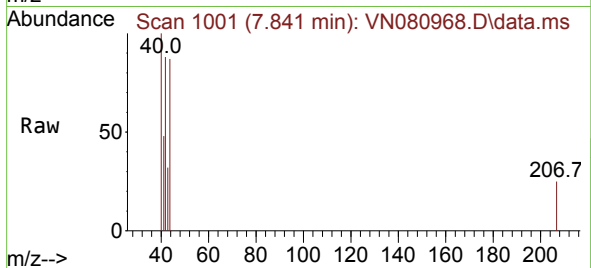
Acq: 08 Feb 2024 16:58

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 42	Resp: 1510
Ion Ratio	Lower Upper
42	100
72	11.9 31.1 46.7#
71	36.0 28.3 42.5



#31

Cyclohexane

Concen: 1.478 ug/l

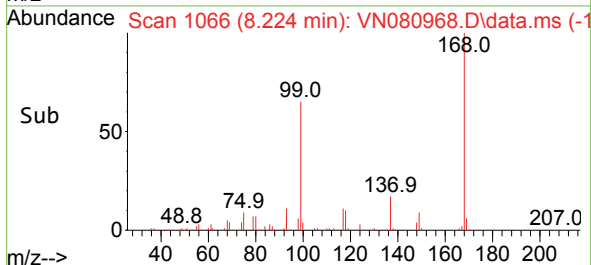
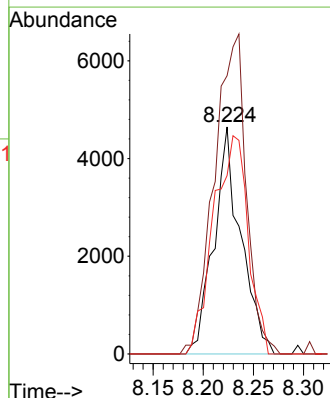
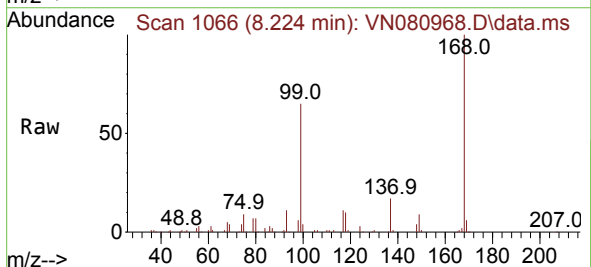
RT: 8.224 min Scan# 1066

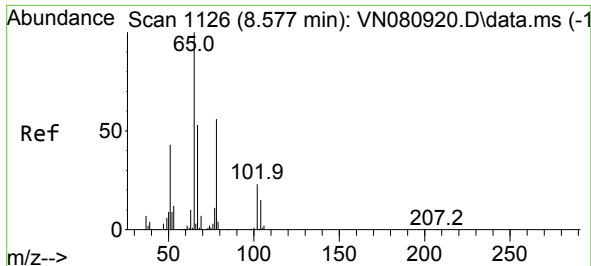
Delta R.T. -0.035 min

Lab File: VN080968.D

Acq: 08 Feb 2024 16:58

Tgt Ion: 56	Resp: 8683
Ion Ratio	Lower Upper
56	100
69	122.5 20.1 30.1#
84	78.6 56.9 85.3





#33

1,2-Dichloroethane-d4

Concen: 52.479 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080968.D

Acq: 08 Feb 2024 16:58

Instrument :

MSVOA_N

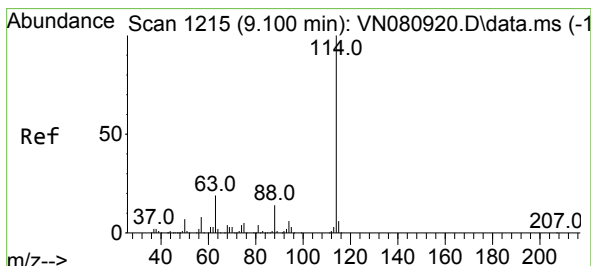
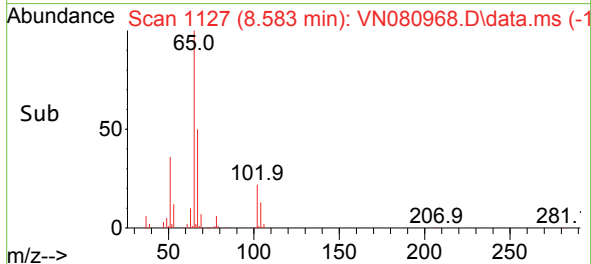
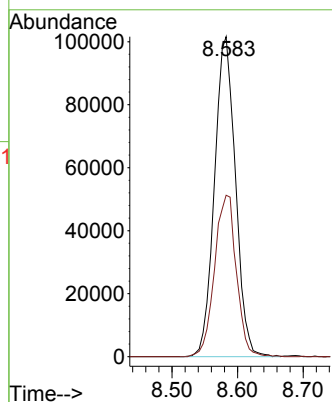
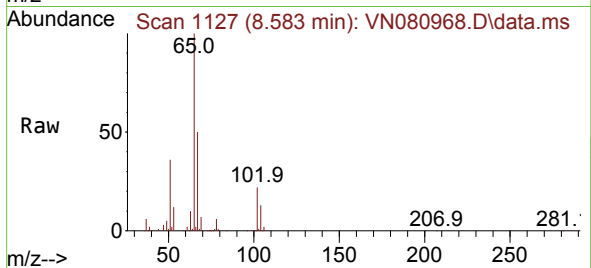
ClientSampleId :

Tgt Ion: 65 Resp: 225574

Ion Ratio Lower Upper

65 100

67 52.5 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: VN080968.D

Acq: 08 Feb 2024 16:58

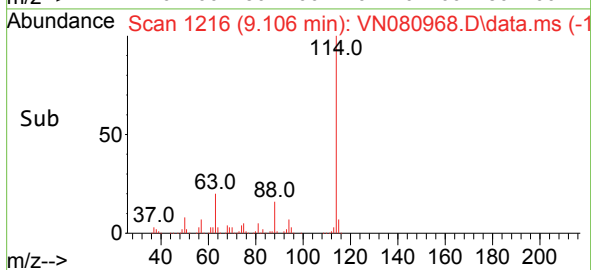
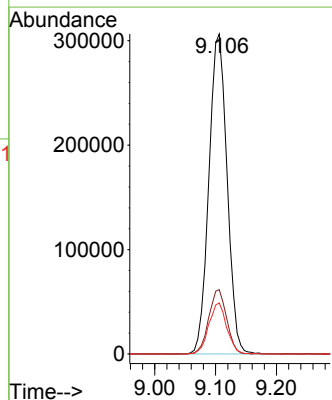
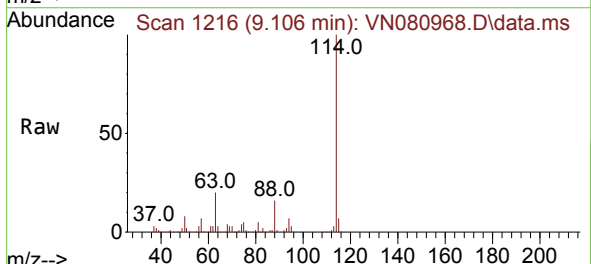
Tgt Ion: 114 Resp: 635512

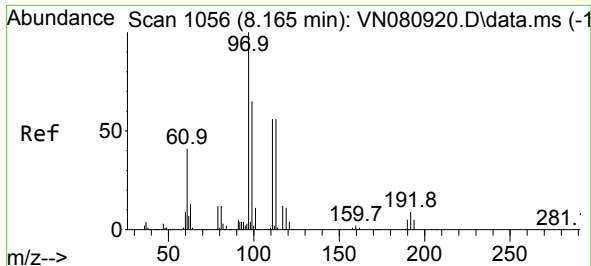
Ion Ratio Lower Upper

114 100

63 20.1 0.0 48.0

88 16.0 0.0 34.8

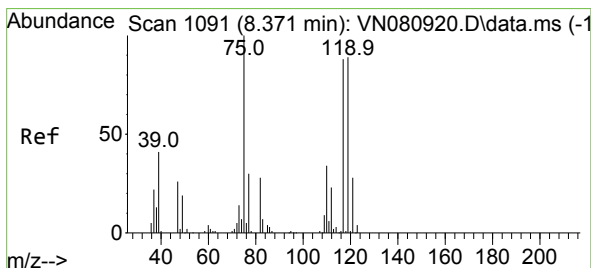
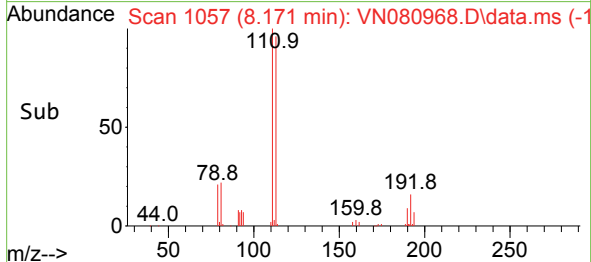
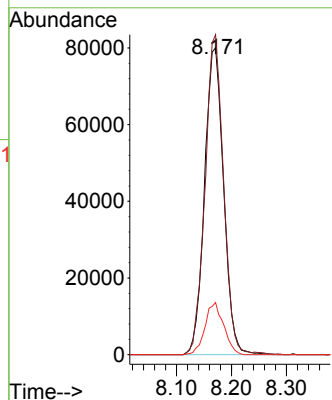
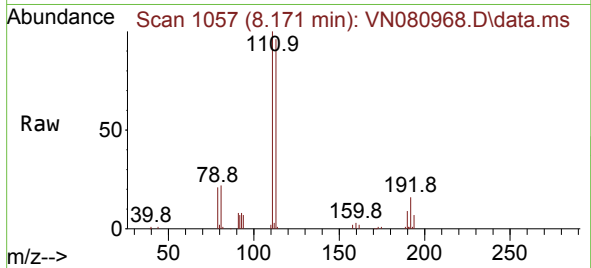




#35
Dibromofluoromethane
Concen: 56.539 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

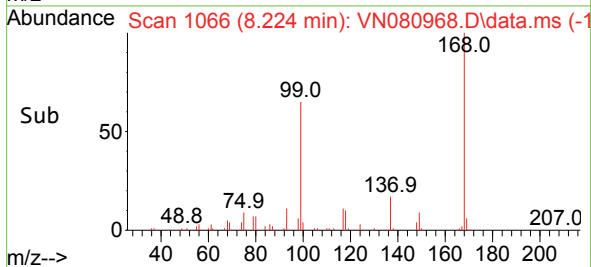
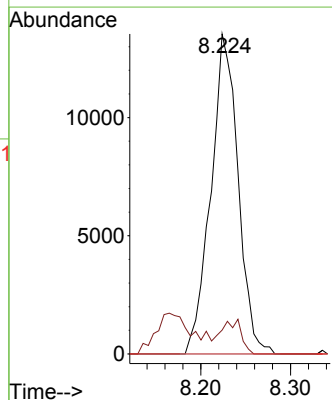
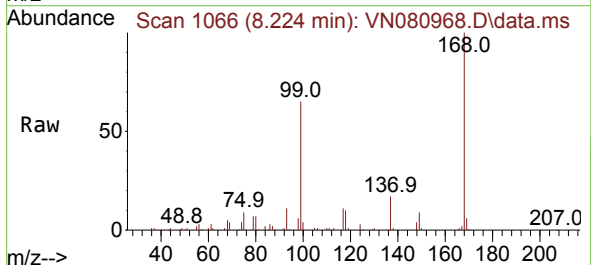
Instrument :
MSVOA_N
ClientSampleId :

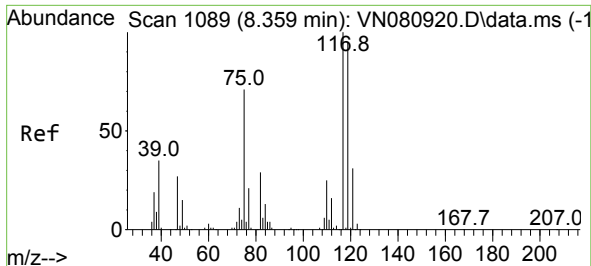
Tgt Ion:113 Resp: 192808
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.4
192 16.7 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.624 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

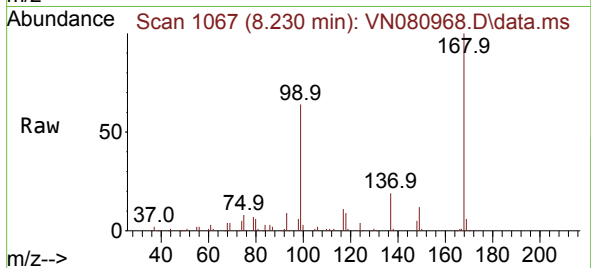
Tgt Ion: 75 Resp: 28530
Ion Ratio Lower Upper
75 100
110 8.0 16.0 48.0#
77 0.0 25.8 38.6#



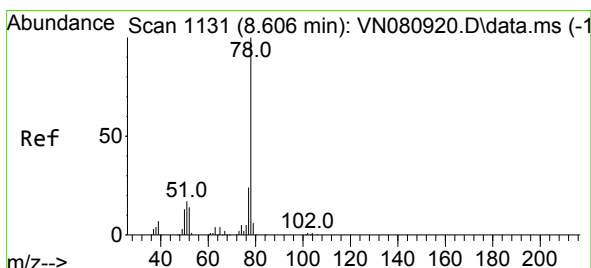
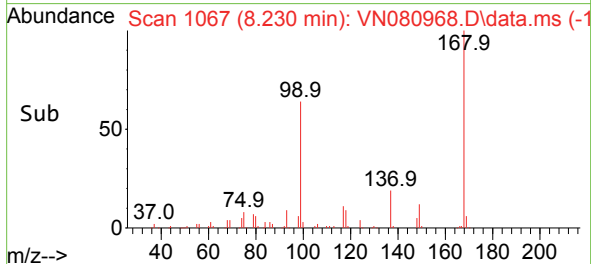
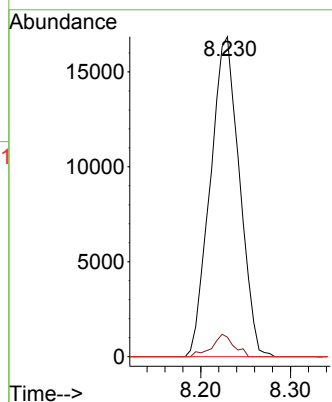


#38
Carbon Tetrachloride
Concen: 7.309 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

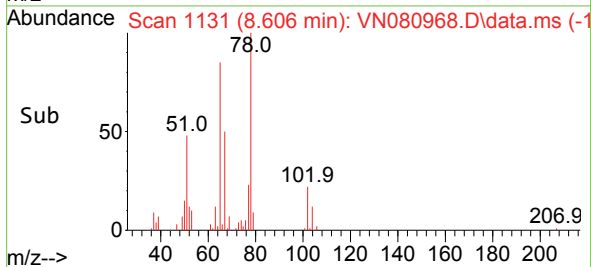
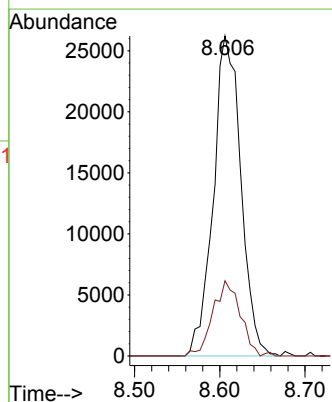
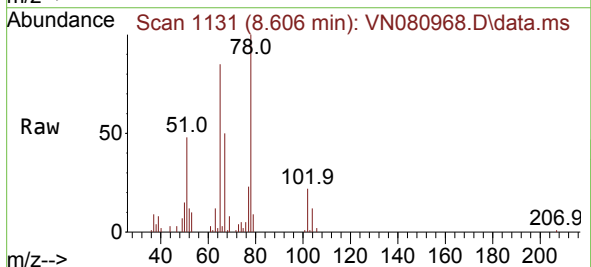


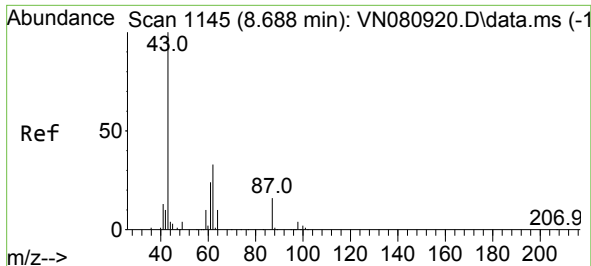
Tgt Ion:117 Resp: 38012
Ion Ratio Lower Upper
117 100
119 6.1 73.4 110.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 3.810 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

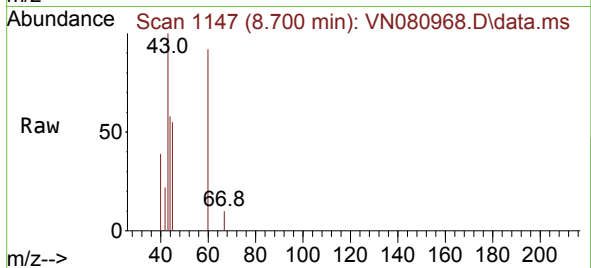
Tgt Ion: 78 Resp: 58831
Ion Ratio Lower Upper
78 100
77 23.5 20.4 30.6



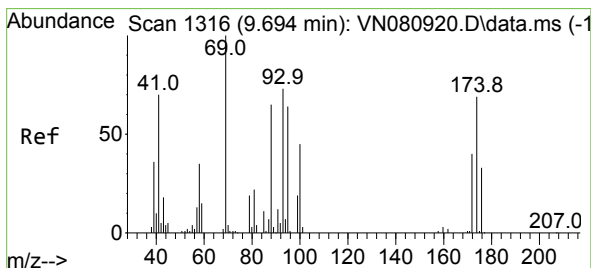
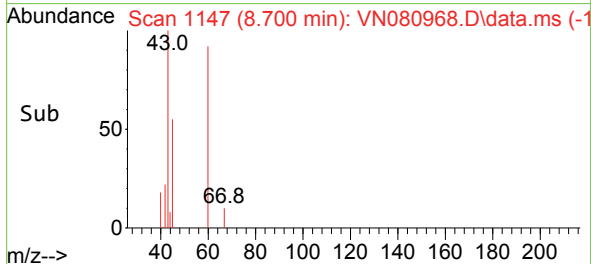
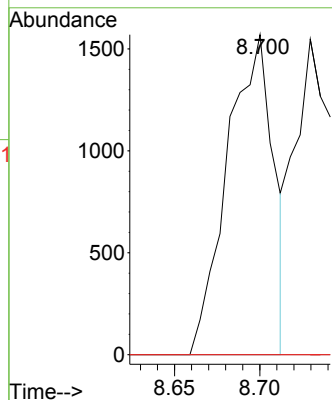


#43
Isopropyl Acetate
Concen: 0.418 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

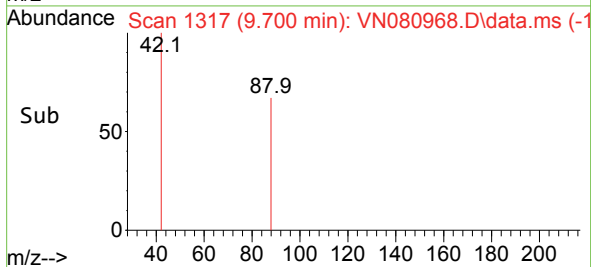
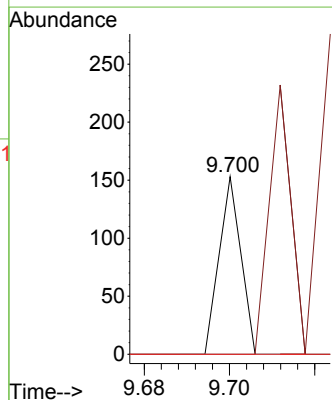
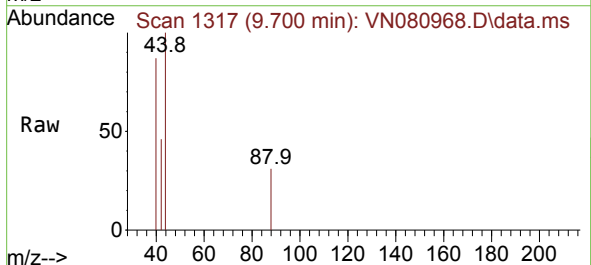


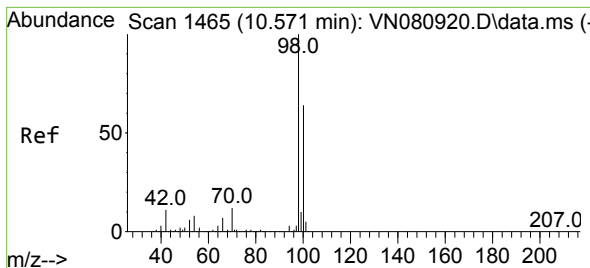
Tgt Ion: 43 Resp: 2948
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#49
1,4-Dioxane
Concen: 0.735 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#





#50

Toluene-d8

Concen: 51.489 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN080968.D

Acq: 08 Feb 2024 16:58

Instrument :

MSVOA_N

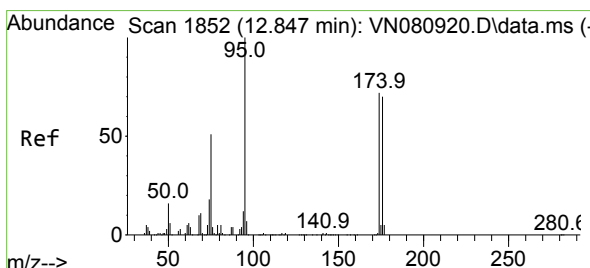
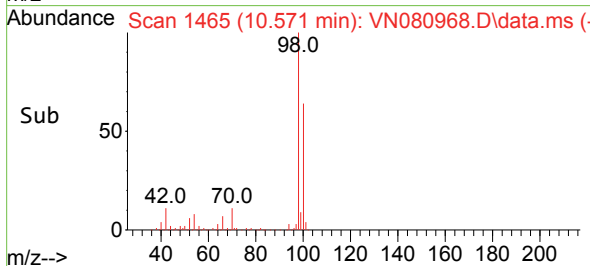
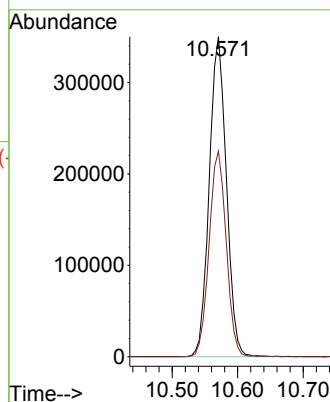
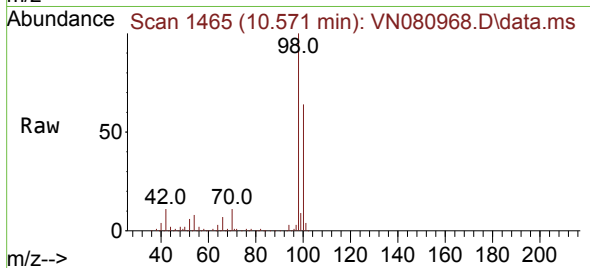
ClientSampleId :

Tgt Ion: 98 Resp: 635112

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 47.045 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080968.D

Acq: 08 Feb 2024 16:58

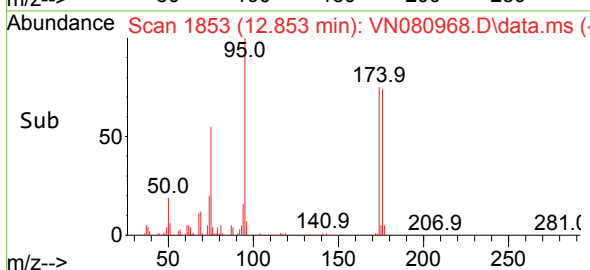
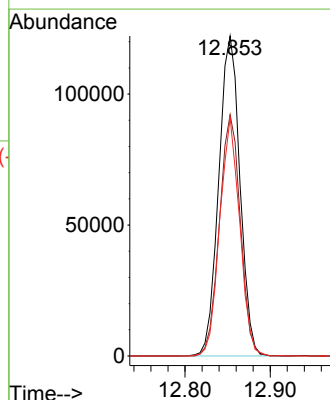
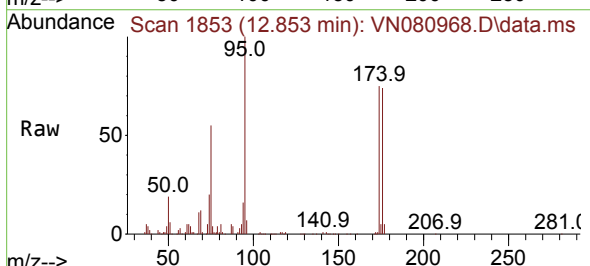
Tgt Ion: 95 Resp: 210807

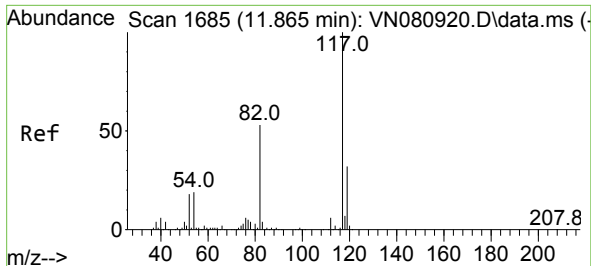
Ion Ratio Lower Upper

95 100

174 74.5 0.0 120.4

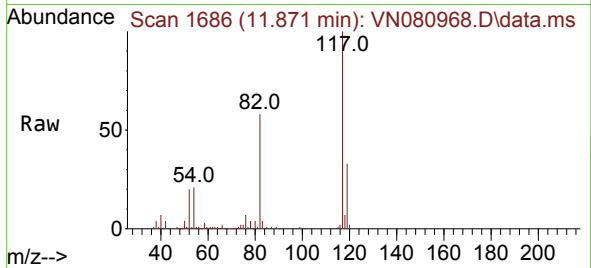
176 69.9 0.0 121.0



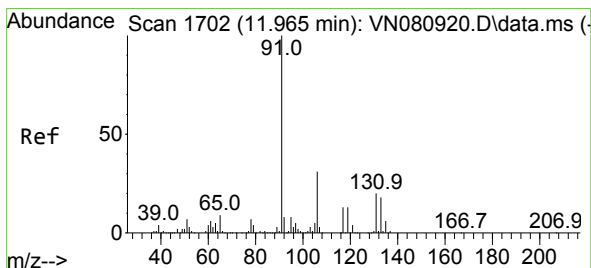
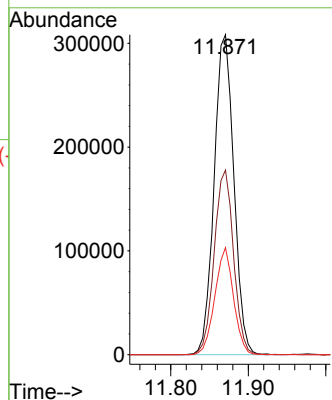
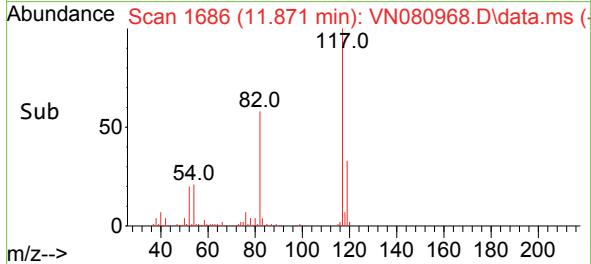


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

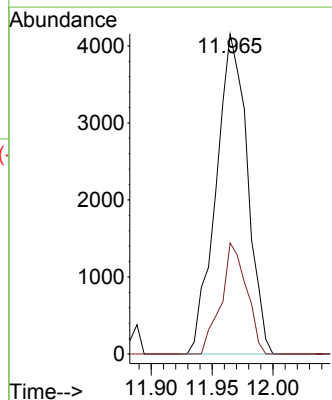
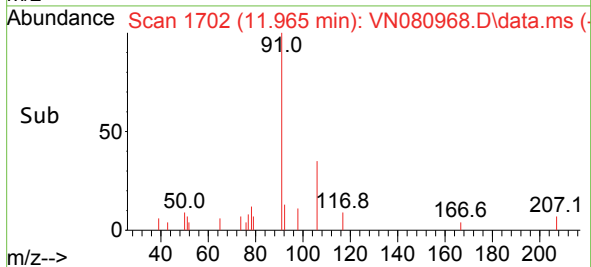
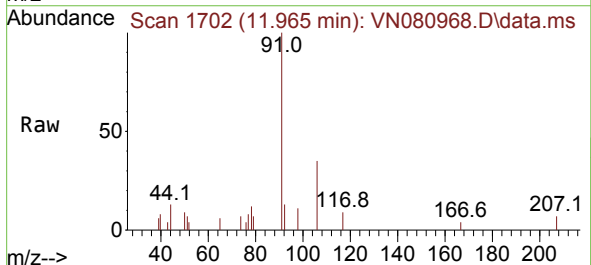


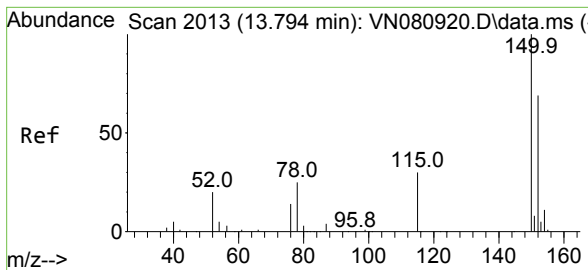
Tgt Ion:117 Resp: 544468
Ion Ratio Lower Upper
117 100
82 57.7 52.7 79.1
119 33.5 25.3 37.9



#67
Ethyl Benzene
Concen: 0.379 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

Tgt Ion: 91 Resp: 7449
Ion Ratio Lower Upper
91 100
106 34.7 23.8 35.6

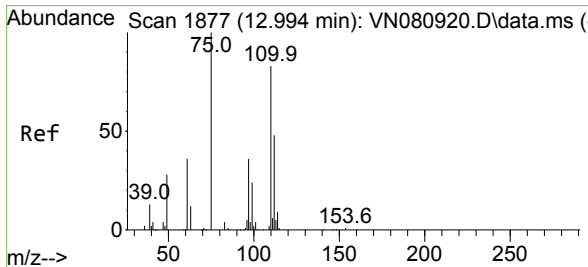
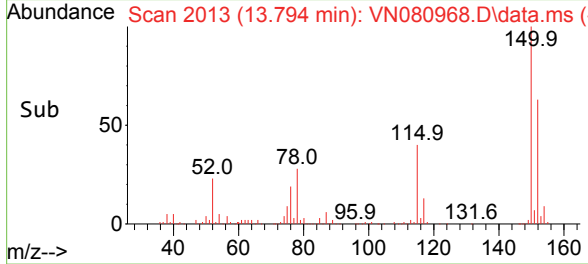
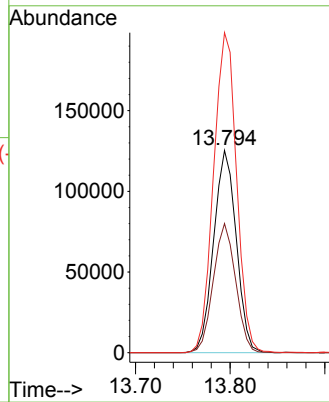
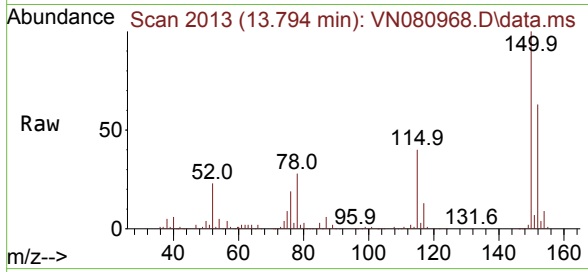




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080968.D
 Acq: 08 Feb 2024 16:58

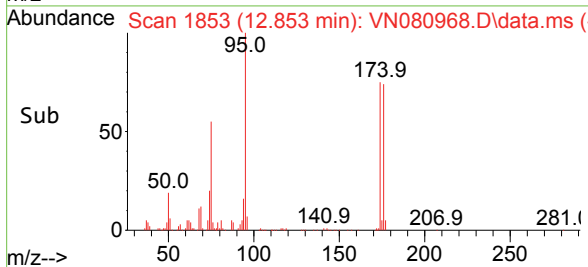
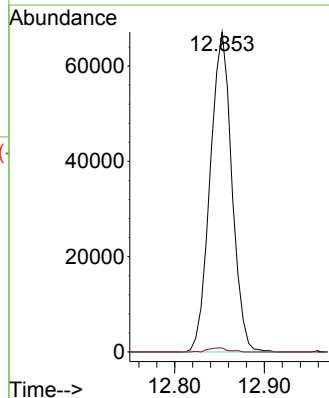
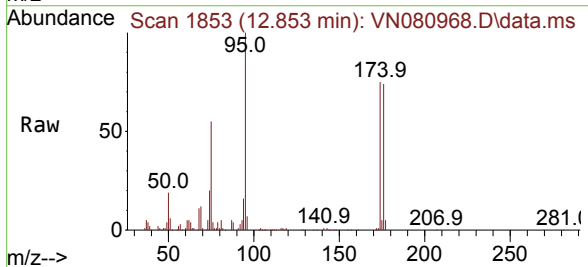
Instrument :
 MSVOA_N
 ClientSampleId :

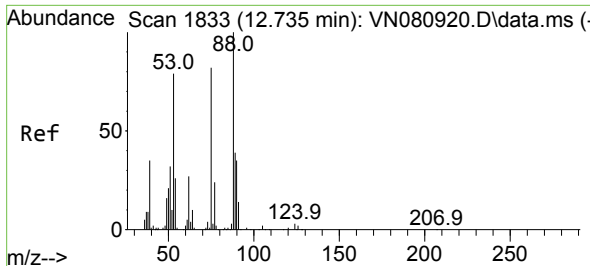
Tgt Ion:152 Resp: 207983
 Ion Ratio Lower Upper
 152 100
 115 63.1 32.3 96.8
 150 160.9 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 26.588 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080968.D
 Acq: 08 Feb 2024 16:58

Tgt Ion: 75 Resp: 112751
 Ion Ratio Lower Upper
 75 100
 77 1.2 91.0 272.8#

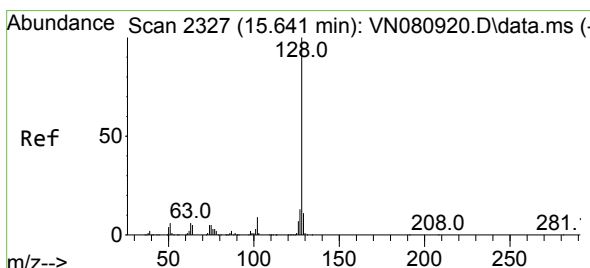
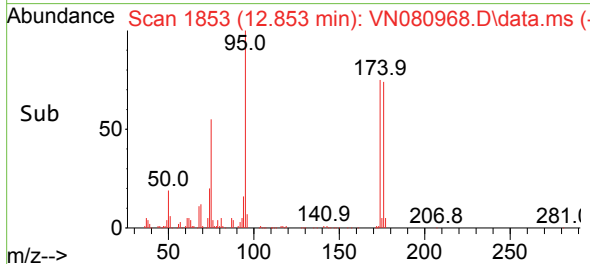
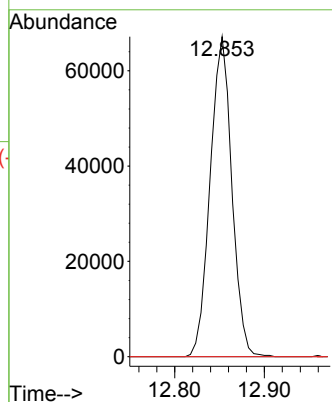
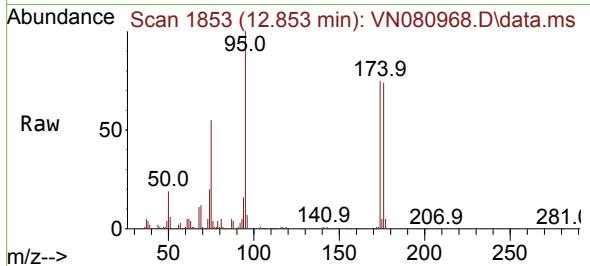




#81
trans-1,4-Dichloro-2-butene
Concen: 72.237 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 112751
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#95
Naphthalene
Concen: 0.435 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080968.D
Acq: 08 Feb 2024 16:58

Tgt Ion:128 Resp: 4944
Ion Ratio Lower Upper
128 100
127 6.6 10.0 15.0#
129 11.6 8.7 13.1

