

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078501.D
 Acq On : 13 Jul 2023 16:13
 Operator : JC\MD
 Sample : 03609-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230712062-02-VOA

Quant Time: Jul 14 01:35:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	443087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	787304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	742619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	293729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	288097	48.501	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.000%
35) Dibromofluoromethane	8.177	113	287900	53.869	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.740%
50) Toluene-d8	10.577	98	914415	45.291	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.580%
62) 4-Bromofluorobenzene	12.853	95	338848	54.487	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1629	0.276	ug/l	90
5) Bromomethane	2.971	94	1637	Below Cal	#	42
6) Chloroethane	3.136	64	672	Below Cal	#	43
8) Diethyl Ether	3.977	74	5225	1.718	ug/l	82
11) Tert butyl alcohol	5.542	59	2241519	2447.144	ug/l	100
13) Acrolein	4.189	56	237	0.263	ug/l	# 75
15) Acrylonitrile	5.542	53	26179	11.312	ug/l	# 14
16) Acetone	4.453	43	56304	30.429	ug/l	91
17) Carbon Disulfide	4.724	76	4716	0.349	ug/l	# 78
19) Methyl tert-butyl Ether	5.818	73	23200	1.506	ug/l	92
20) Methylene Chloride	5.306	84	574	Below Cal	#	55
25) 2-Butanone	7.453	43	95778	32.883	ug/l	# 63
26) 2,2-Dichloropropane	7.447	77	145204	18.418	ug/l	# 53
29) Tetrahydrofuran	7.847	42	504018	263.719	ug/l	86
31) Cyclohexane	8.241	56	10002	1.246	ug/l	# 33
36) 1,1-Dichloropropene	8.236	75	40448	5.241	ug/l	# 48
37) Ethyl Acetate	7.565	43	5110	0.794	ug/l	# 63
38) Carbon Tetrachloride	8.230	117	47974	5.720	ug/l	# 18
40) Benzene	8.612	78	34140	1.493	ug/l	95
41) Methacrylonitrile	7.853	41	296814	90.508	ug/l	# 35
42) 1,2-Dichloroethane	8.683	62	1780	0.229	ug/l	# 73
43) Isopropyl Acetate	8.671	43	12123	1.145	ug/l	# 57
44) Trichloroethene	9.353	130	1438	0.233	ug/l	57
49) 1,4-Dioxane	9.706	88	6696	62.576	ug/l	# 83
51) 4-Methyl-2-Pentanone	10.453	43	29571	4.694	ug/l	89
52) Toluene	10.635	92	20875	1.473	ug/l	96
59) 2-Hexanone	11.065	43	17929	4.004	ug/l	61
65) Chlorobenzene	11.906	112	10524	0.634	ug/l	# 75
67) Ethyl Benzene	11.971	91	33526	1.195	ug/l	98
68) m/p-Xylenes	12.071	106	25628	2.470	ug/l	98
69) o-Xylene	12.412	106	19231	1.835	ug/l	96
70) Styrene	12.400	104	3327	0.203	ug/l	# 14
71) Bromoform	12.853	173	1906	0.441	ug/l	# 1
73) Isopropylbenzene	12.706	105	11635	0.422	ug/l	96
74) N-amyl acetate	12.459	43	2635	0.277	ug/l	# 42
75) 1,1,2,2-Tetrachloroethane	12.953	83	268	Below Cal	#	1

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

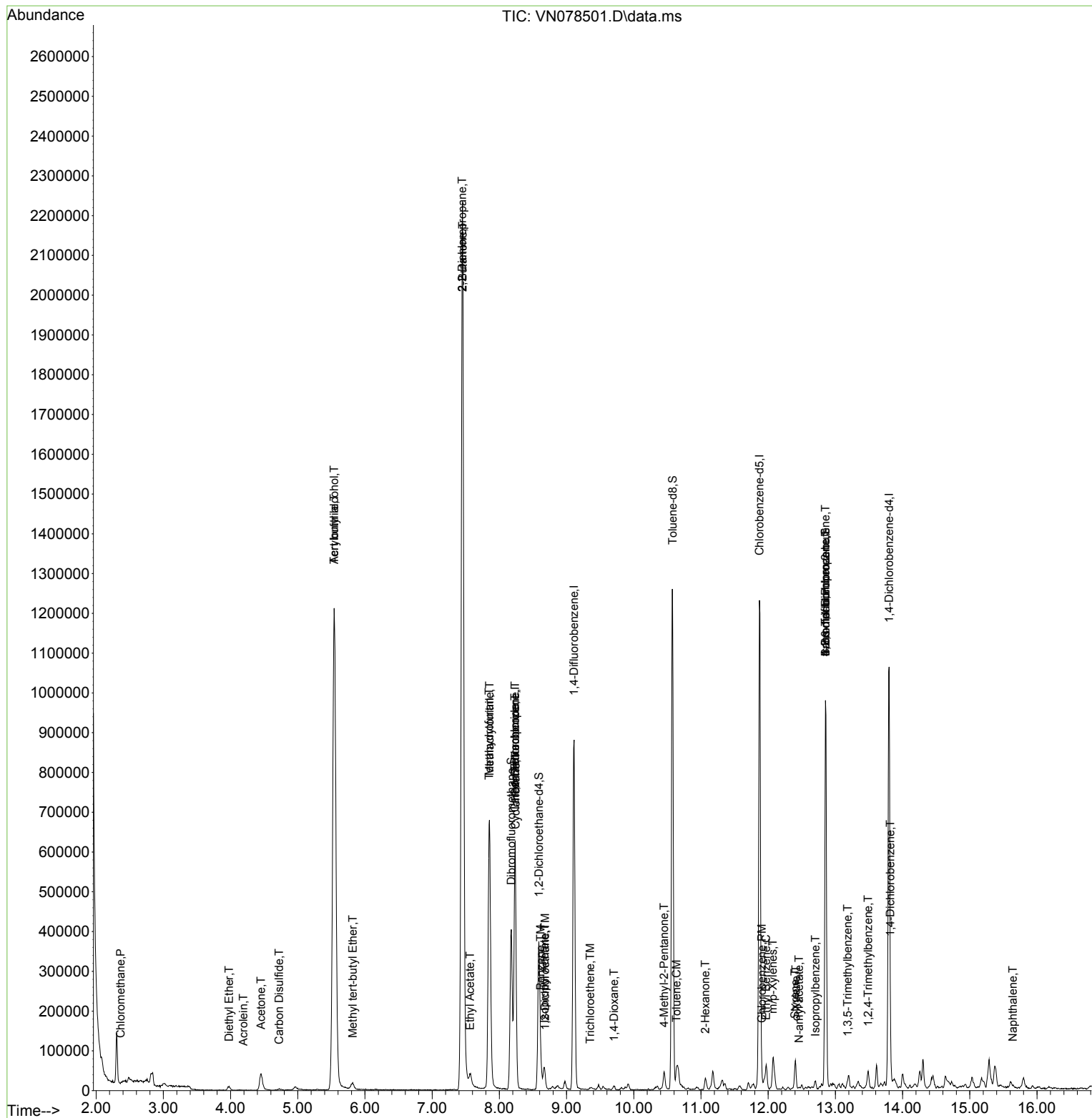
76) 1,2,3-Trichloropropane	12.853	75	177938	25.062	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.182	105	6647	0.305	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.853	75	177938	65.859	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	21071	0.995	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	14145	1.325	ug/l #	61
90) Hexachloroethane	14.341	117	289	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.712	75	211	Below Cal	#	4
95) Naphthalene	15.641	128	4306	0.374	ug/l #	86

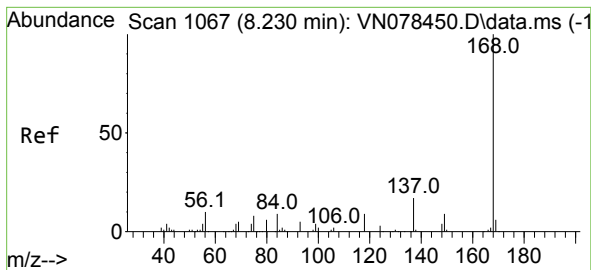
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078501.D

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Instrument :

MSVOA_N

ClientSampleId :

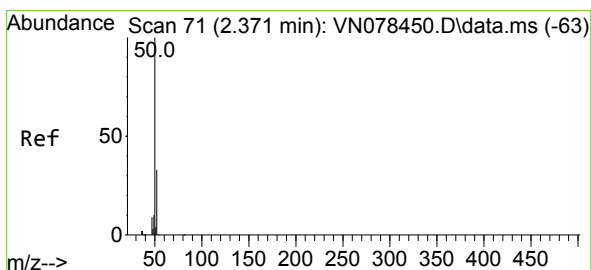
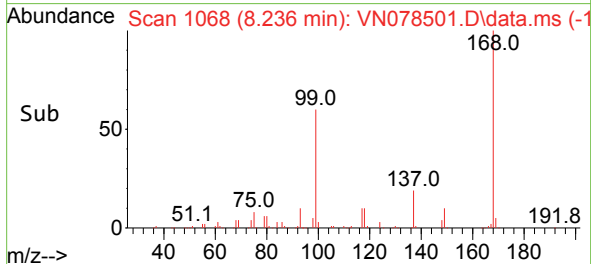
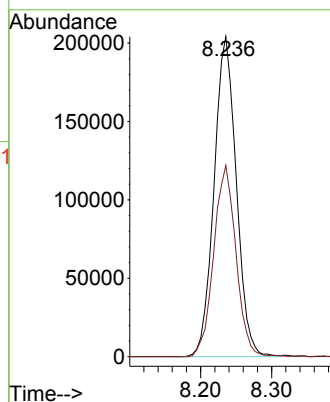
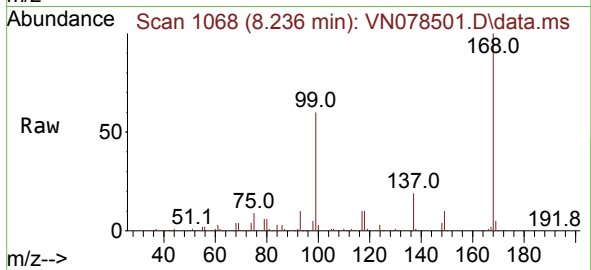
230712062-02-VOA

Tgt Ion:168 Resp: 443087

Ion Ratio Lower Upper

168 100

99 59.8 53.0 79.6



#3

Chloromethane

Concen: 0.276 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN078501.D

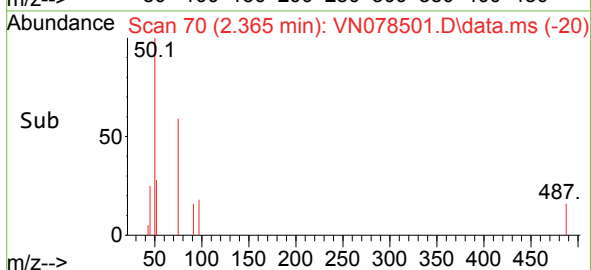
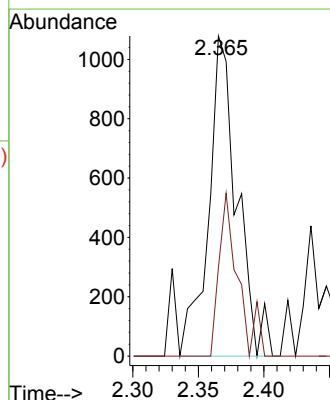
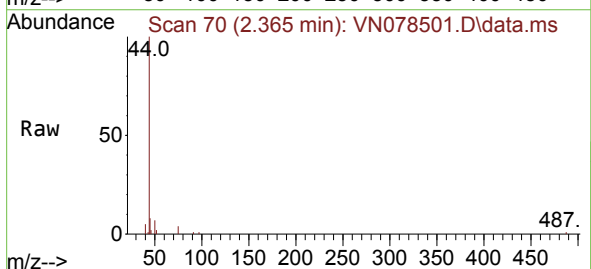
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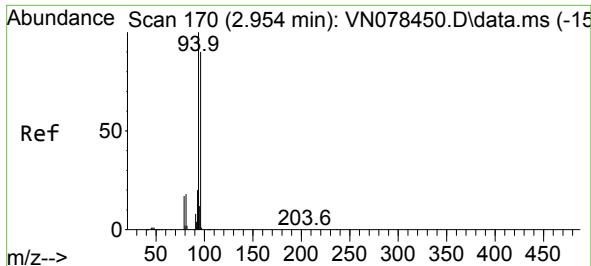
Tgt Ion: 50 Resp: 1629

Ion Ratio Lower Upper

50 100

52 27.7 26.5 39.7

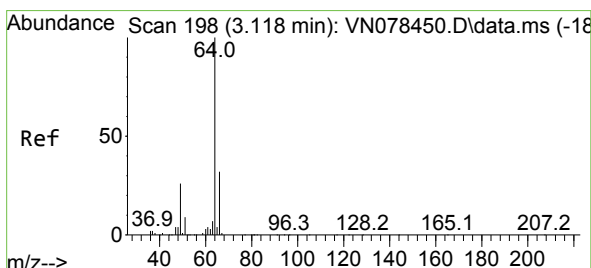
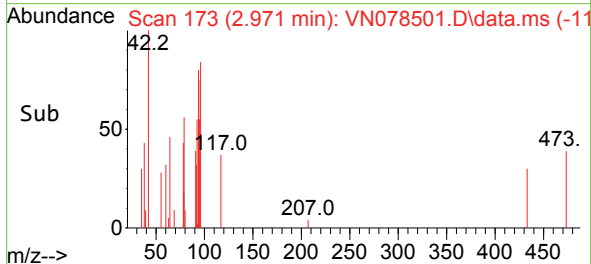
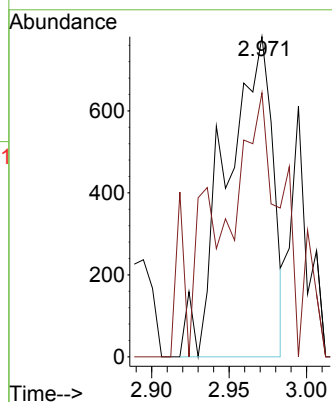
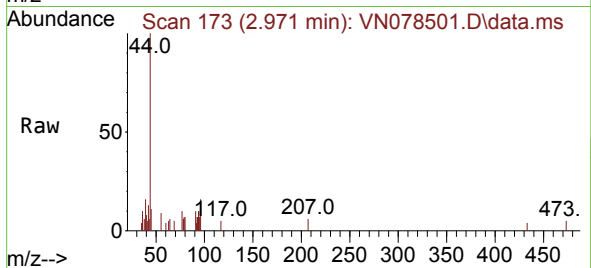




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

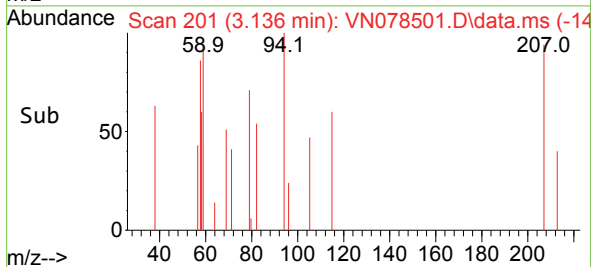
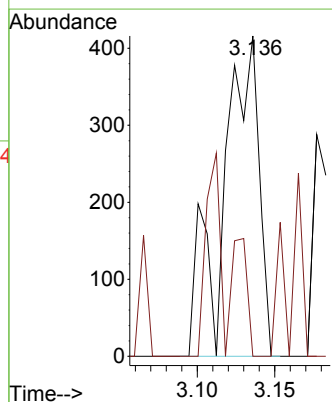
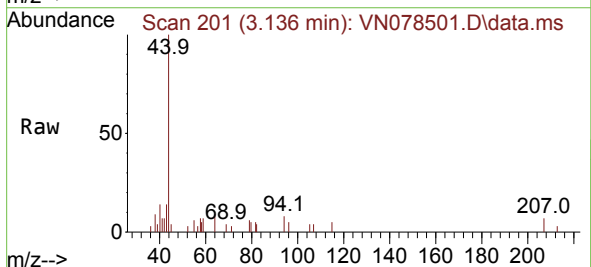
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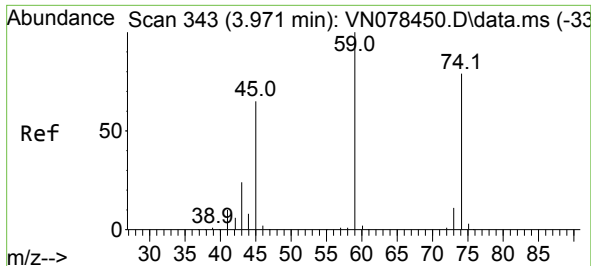
Tgt Ion: 94 Resp: 1637
Ion Ratio Lower Upper
94 100
96 36.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 64 Resp: 672
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

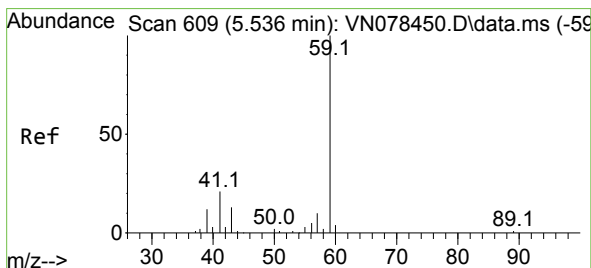
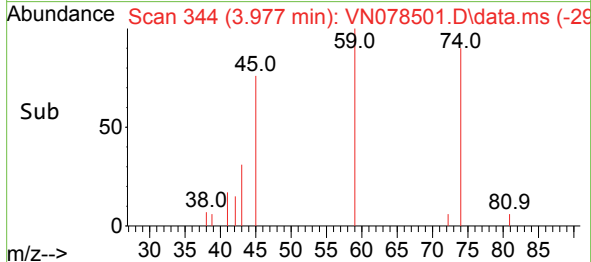
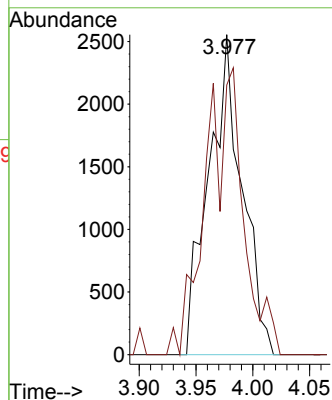
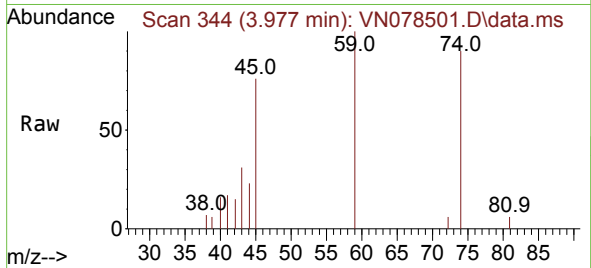




#8
Diethyl Ether
Concen: 1.718 ug/l
RT: 3.977 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

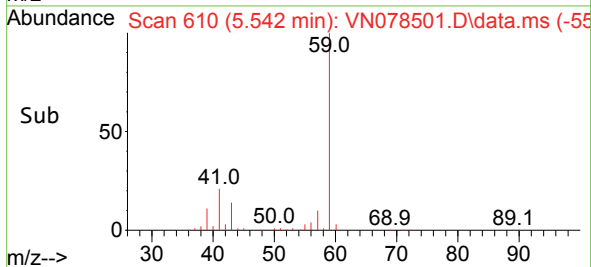
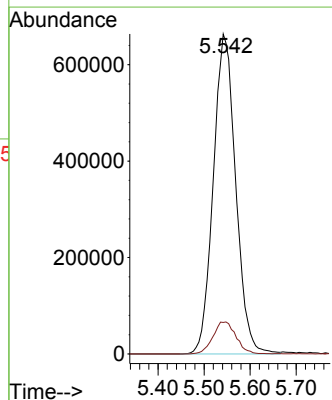
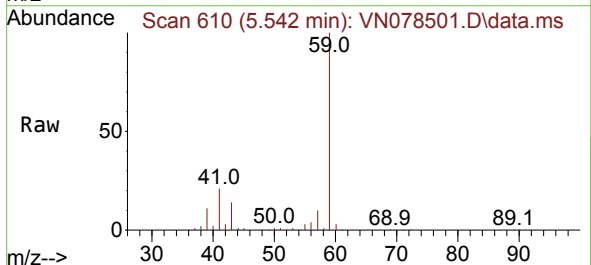
Instrument :
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ClientSampleId :
230712062-02-VOA

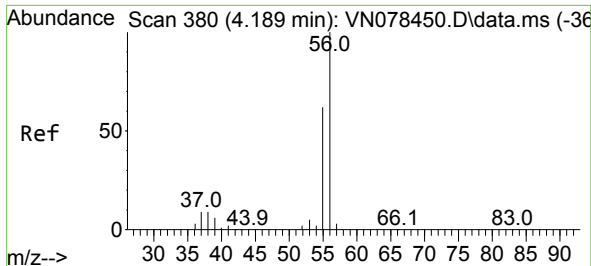
Tgt Ion: 74 Resp: 5225
Ion Ratio Lower Upper
74 100
45 54.2 34.4 103.3



#11
Tert butyl alcohol
Concen: 2447.144 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 59 Resp: 2241519
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

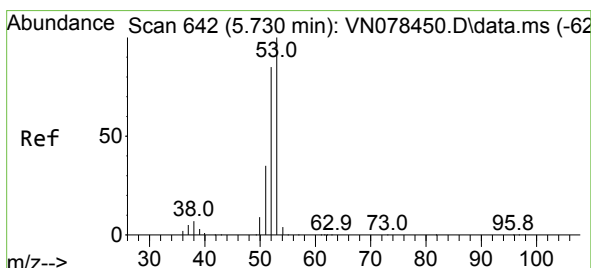
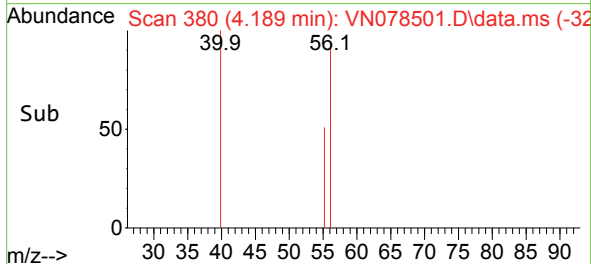
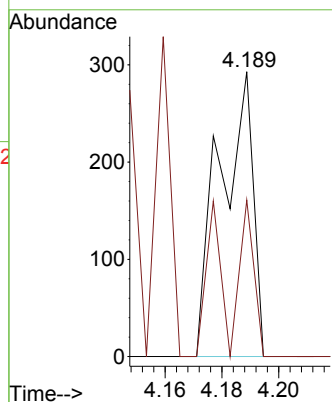
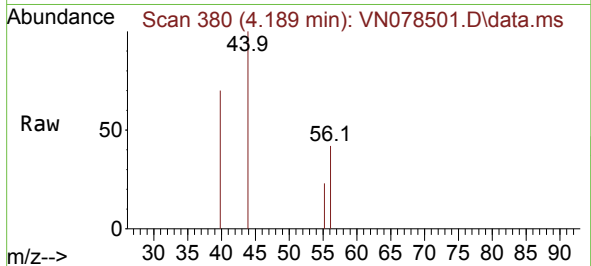




#13
Acrolein
Concen: 0.263 ug/l
RT: 4.189 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

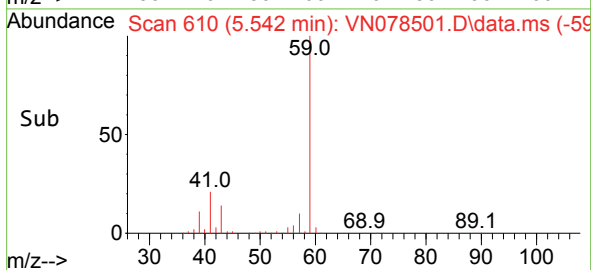
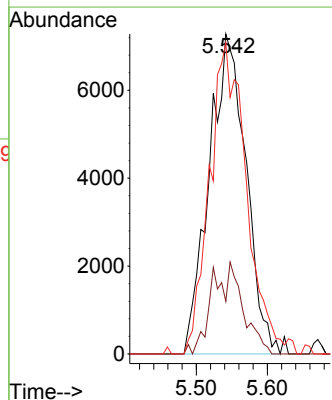
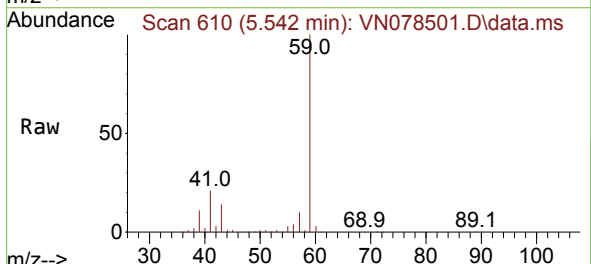
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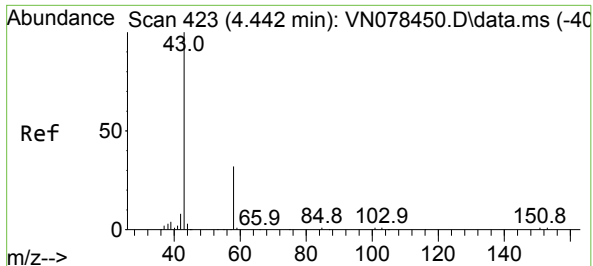
Tgt Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 47.7 54.5 81.7#



#15
Acrylonitrile
Concen: 11.312 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.188 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 53 Resp: 26179
Ion Ratio Lower Upper
53 100
52 12.3 65.3 97.9#
51 97.8 28.9 43.3#

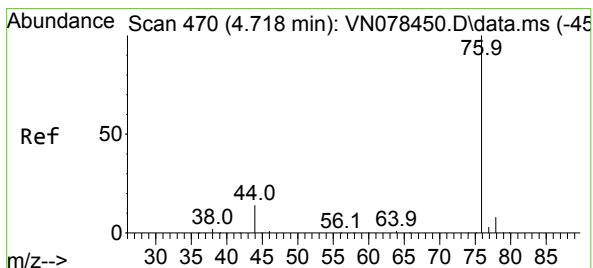
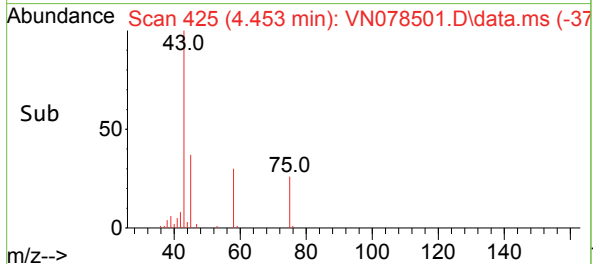
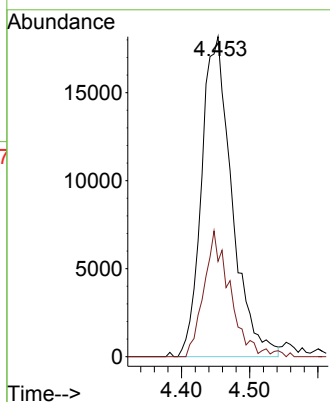
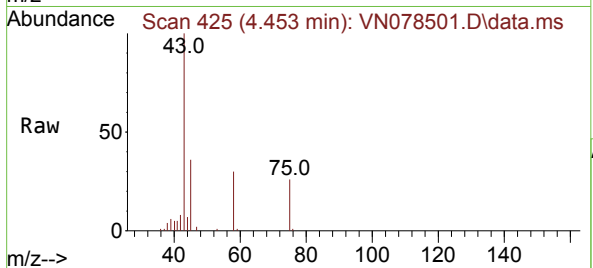




#16
Acetone
Concen: 30.429 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

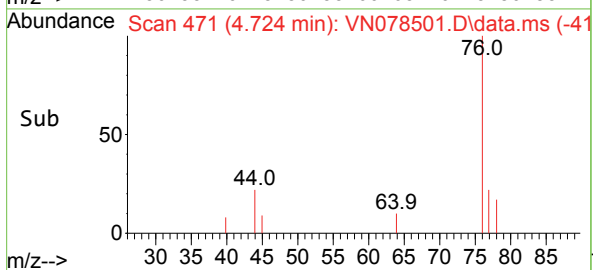
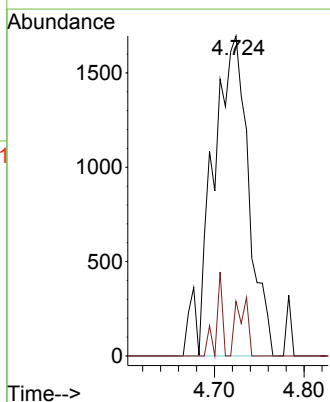
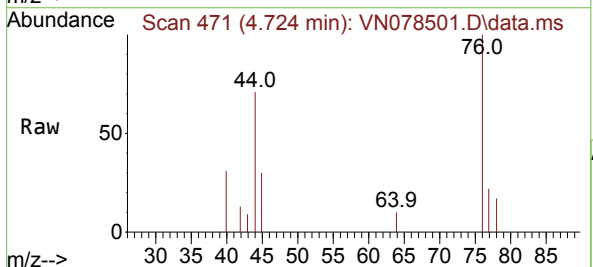
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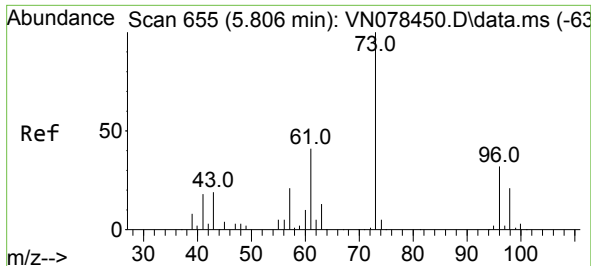
Tgt Ion: 43 Resp: 56304
Ion Ratio Lower Upper
43 100
58 29.8 28.0 42.0



#17
Carbon Disulfide
Concen: 0.349 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 76 Resp: 4716
Ion Ratio Lower Upper
76 100
78 17.0 7.4 11.0#

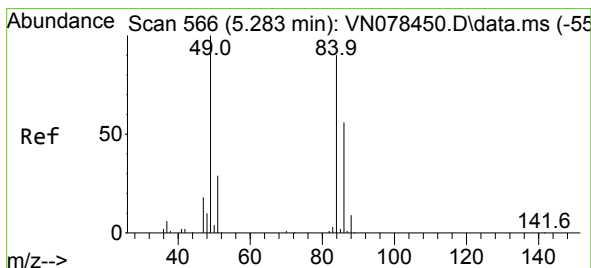
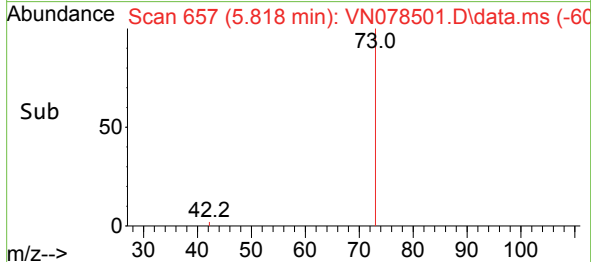
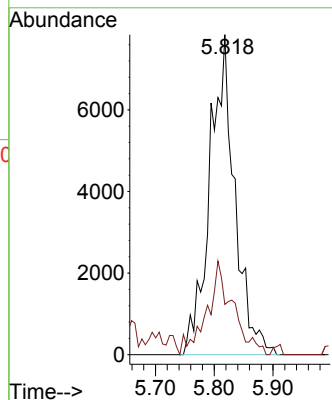
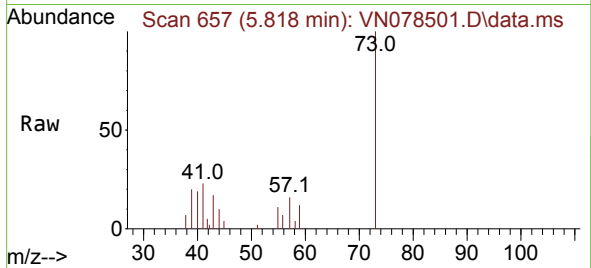




#19
Methyl tert-butyl Ether
Concen: 1.506 ug/l
RT: 5.818 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

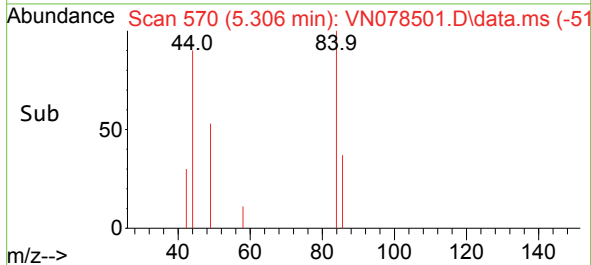
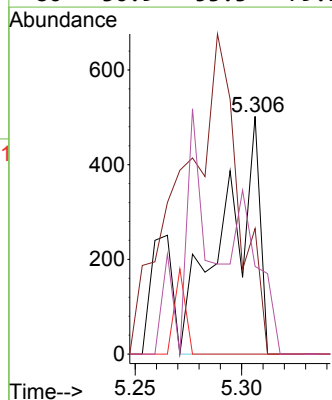
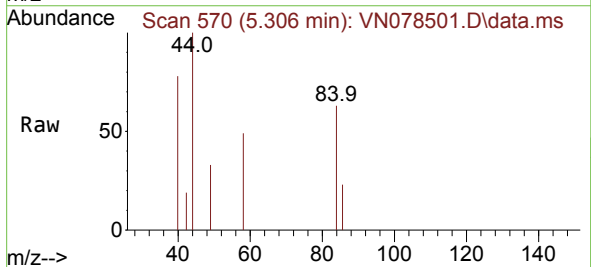
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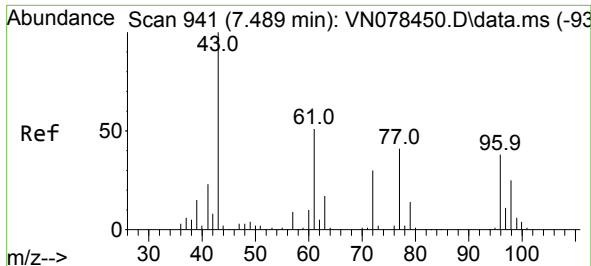
Tgt Ion: 73 Resp: 23200
Ion Ratio Lower Upper
73 100
57 15.7 15.6 23.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.306 min Scan# 570
Delta R.T. 0.023 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 84 Resp: 574
Ion Ratio Lower Upper
84 100
49 52.8 79.7 119.5#
51 0.0 25.2 37.8#
86 36.9 53.3 79.9#

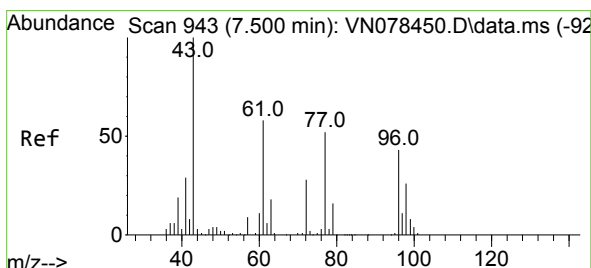
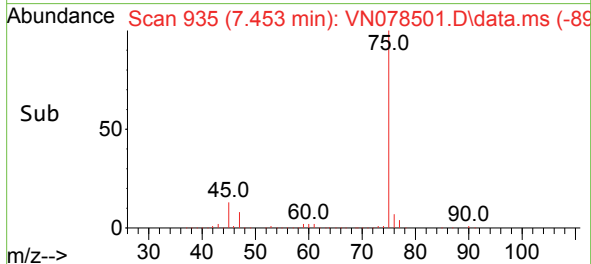
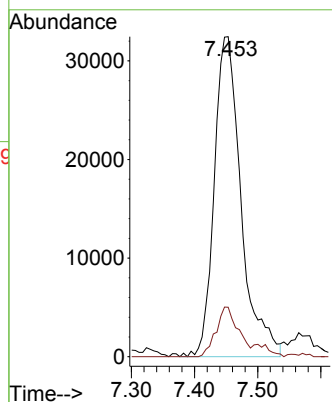
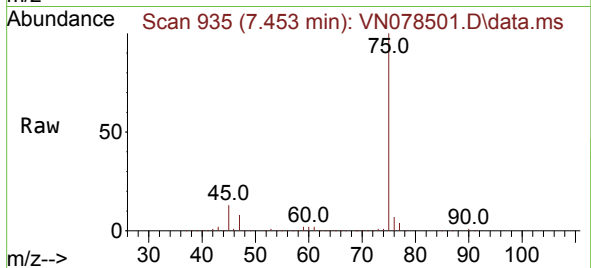




#25
2-Butanone
Concen: 32.883 ug/l
RT: 7.453 min Scan# 91
Delta R.T. -0.036 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

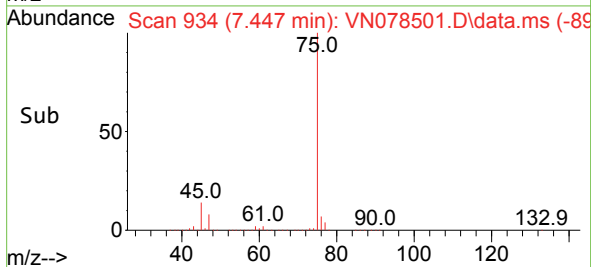
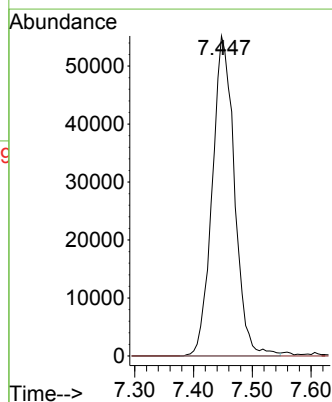
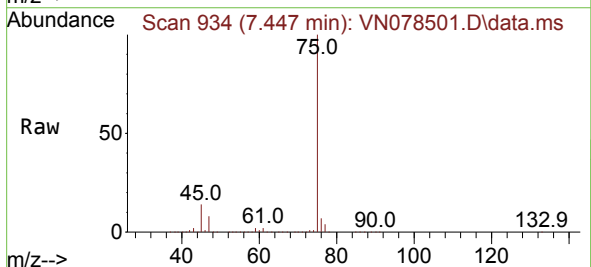
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

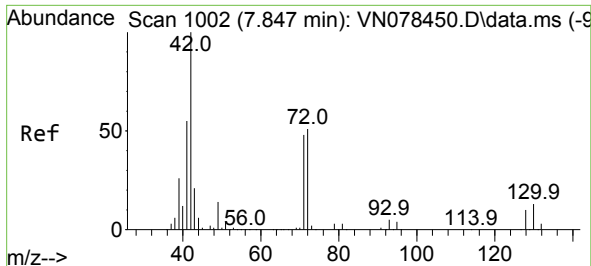
Tgt Ion: 43 Resp: 95778
Ion Ratio Lower Upper
43 100
72 15.5 30.2 45.2#



#26
2,2-Dichloropropane
Concen: 18.418 ug/l
RT: 7.447 min Scan# 934
Delta R.T. -0.053 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 77 Resp: 145204
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#

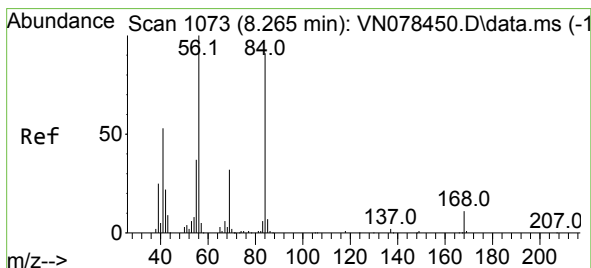
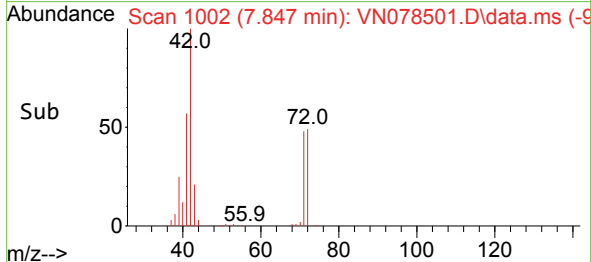
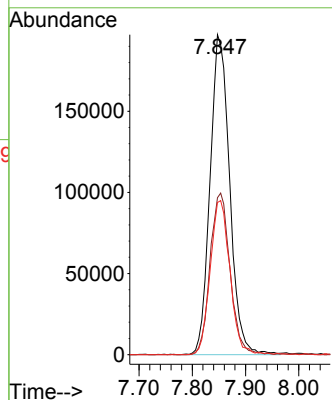
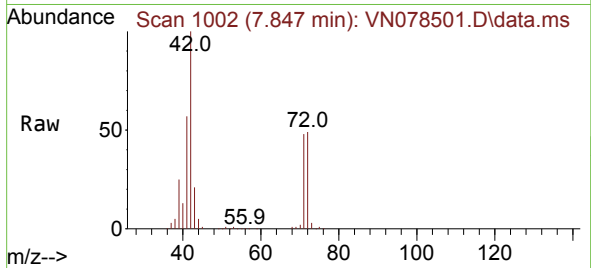




#29
Tetrahydrofuran
Concen: 263.719 ug/l
RT: 7.847 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

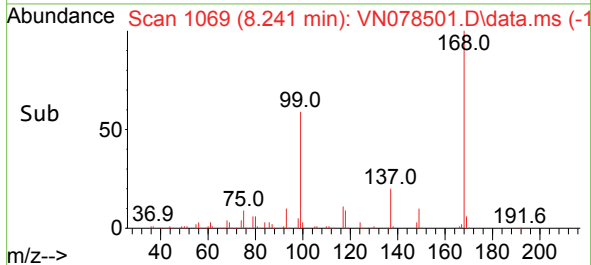
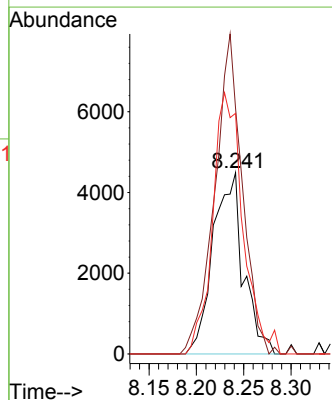
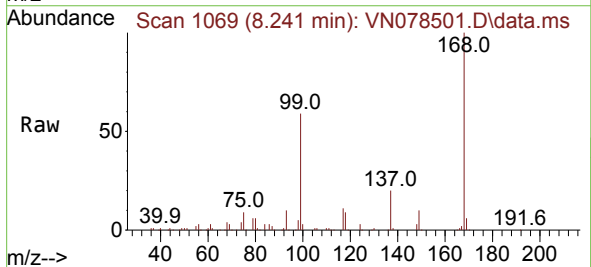
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

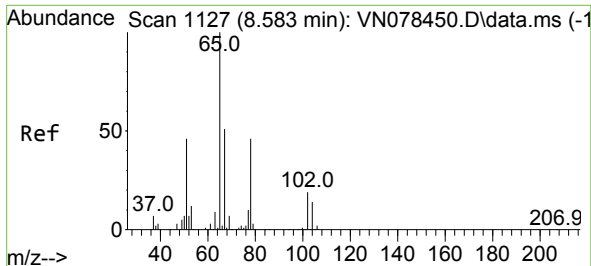
Tgt Ion: 42 Resp: 504018
Ion Ratio Lower Upper
42 100
72 51.3 49.8 74.6
71 48.5 47.4 71.2



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 56 Resp: 10002
Ion Ratio Lower Upper
56 100
69 135.4 26.8 40.2#
84 132.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 48.501 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078501.D

Acq: 13 Jul 2023 16:13

Instrument :

MSVOA_N

ClientSampleId :

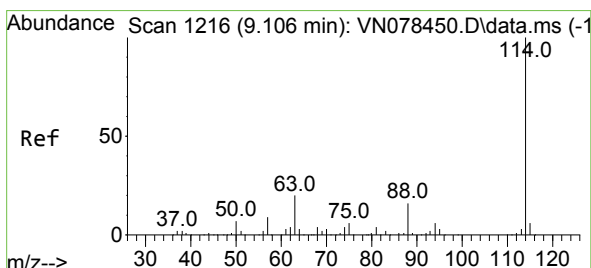
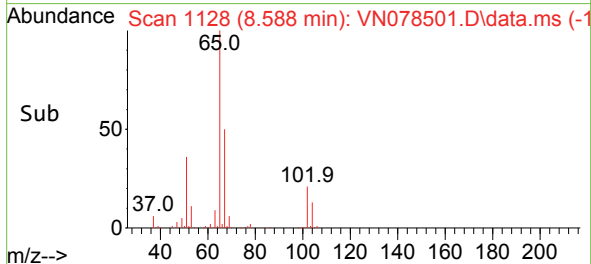
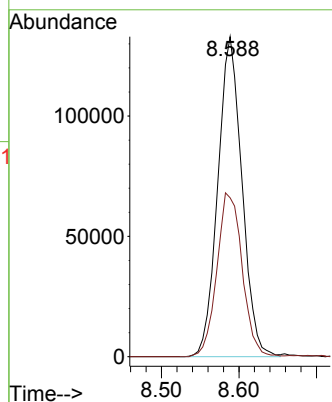
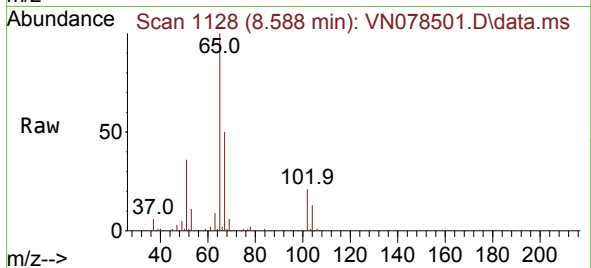
230712062-02-VOA

Tgt Ion: 65 Resp: 288097

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078501.D

Acq: 13 Jul 2023 16:13

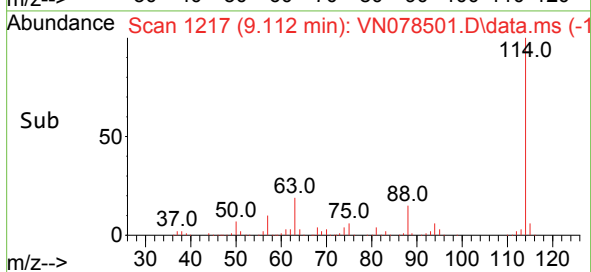
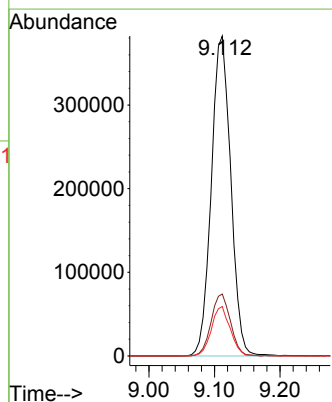
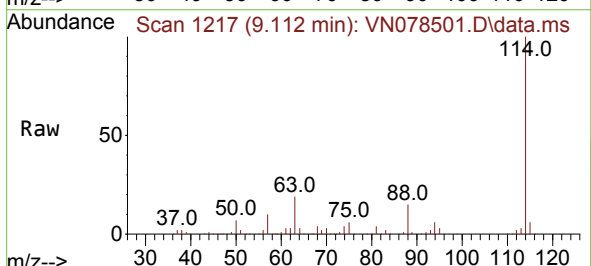
Tgt Ion: 114 Resp: 787304

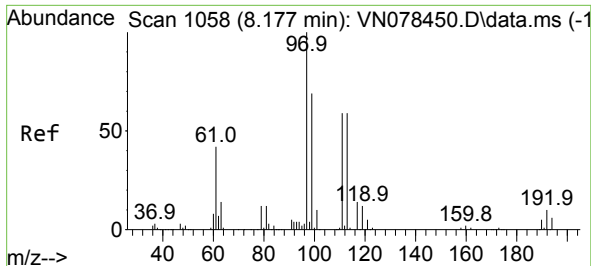
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 15.4 0.0 30.6

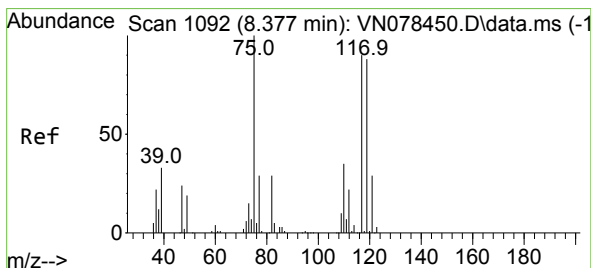
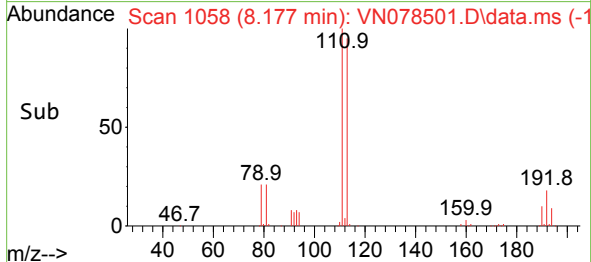
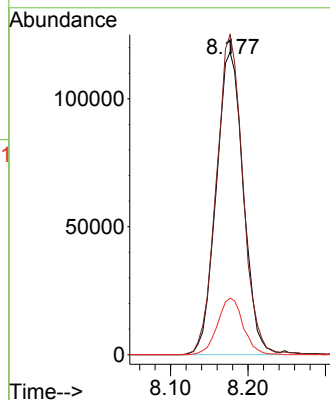
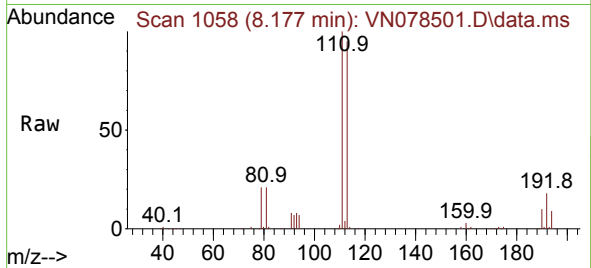




#35
Dibromofluoromethane
Concen: 53.869 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

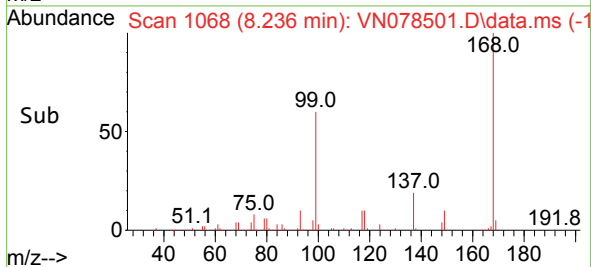
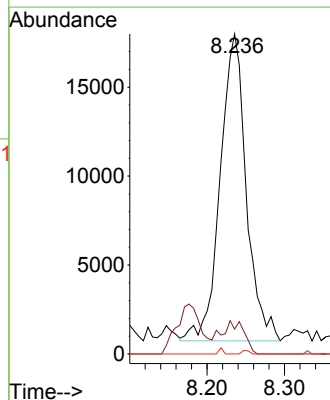
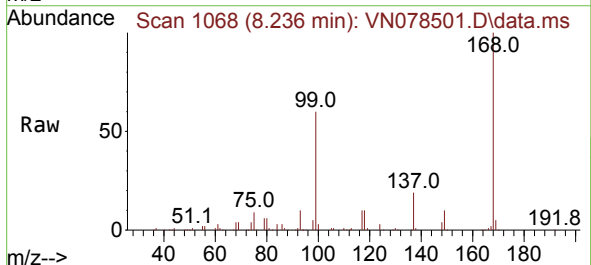
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

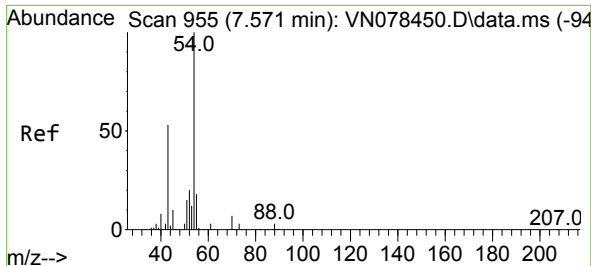
Tgt Ion:113 Resp: 287900
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.241 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 75 Resp: 40448
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.794 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN078501.D

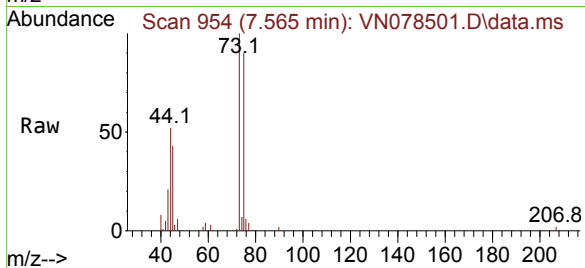
Acq: 13 Jul 2023 16:13

Instrument :

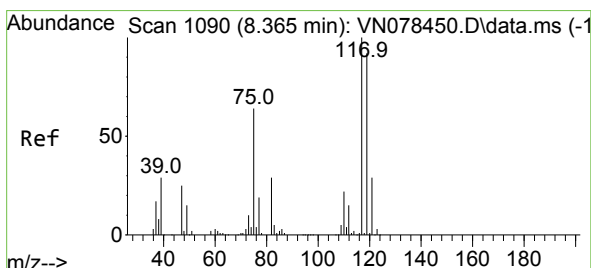
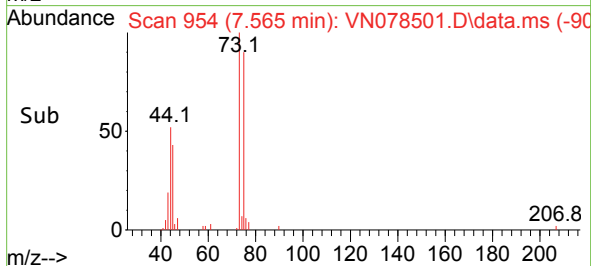
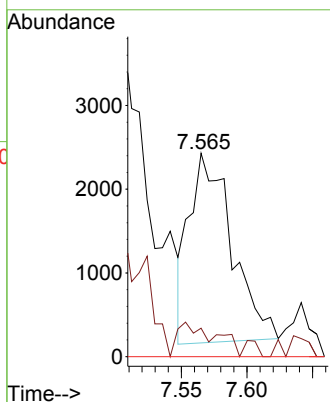
MSVOA_N

ClientSampleId :

230712062-02-VOA



Tgt Ion:	43	Resp:	5110
Ion Ratio	Lower	Upper	
43	100		
61	0.0	13.2	19.8#
70	0.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.720 ug/l

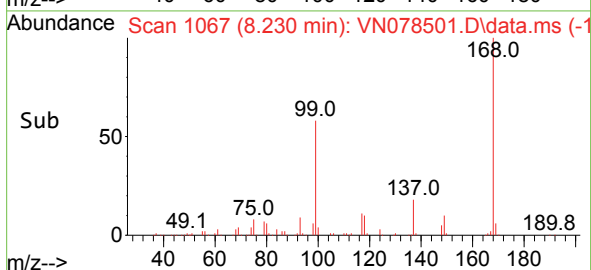
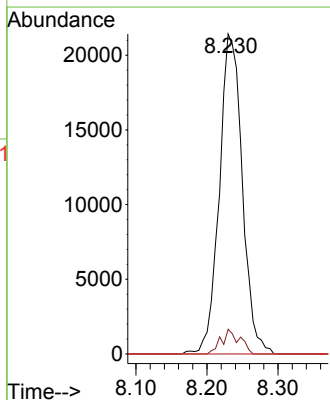
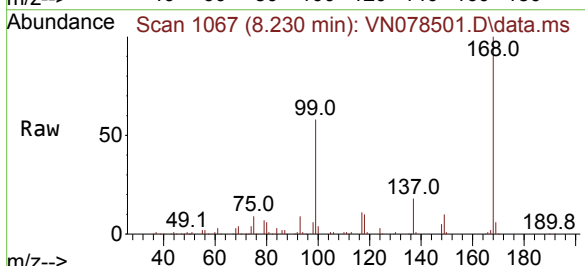
RT: 8.230 min Scan# 1067

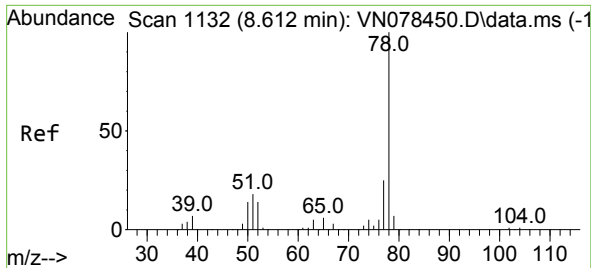
Delta R.T. -0.135 min

Lab File: VN078501.D

Acq: 13 Jul 2023 16:13

Tgt Ion:	117	Resp:	47974
Ion Ratio	Lower	Upper	
117	100		
119	7.7	77.3	115.9#
121	0.0	23.3	34.9#

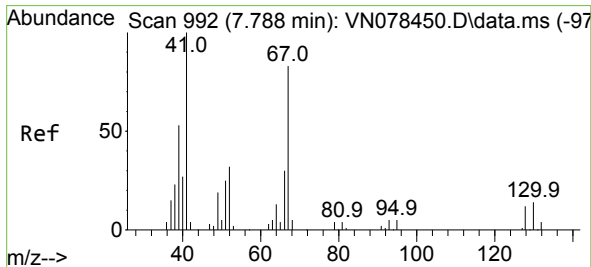
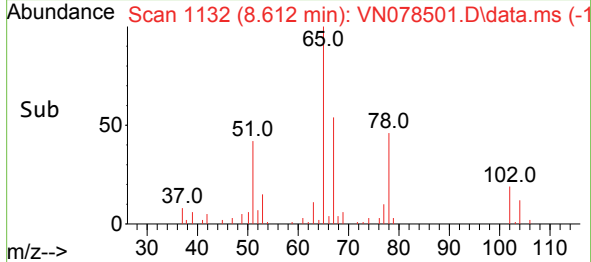
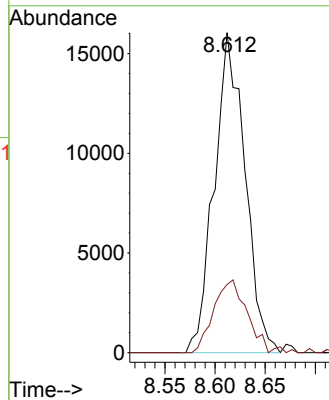
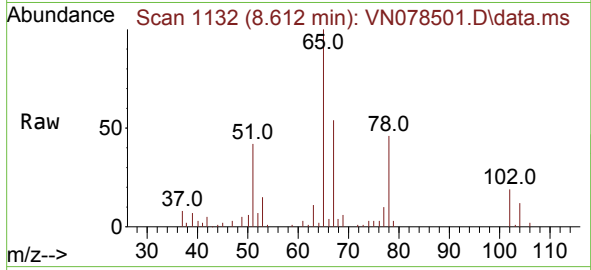




#40
Benzene
Concen: 1.493 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

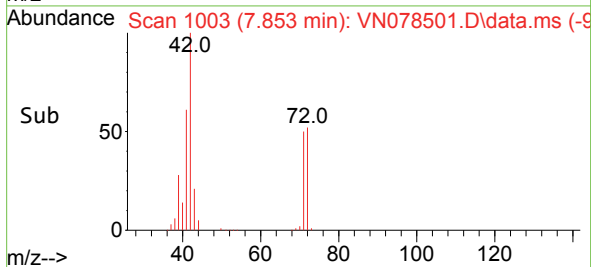
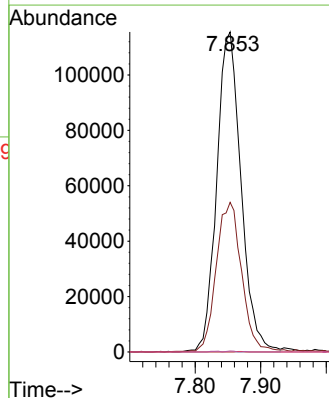
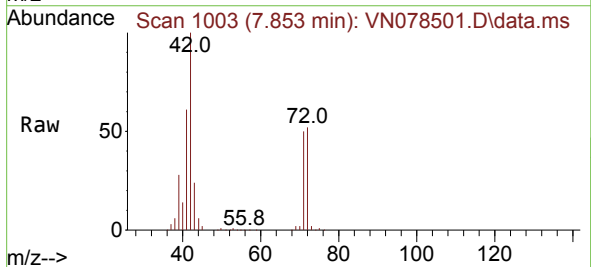
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

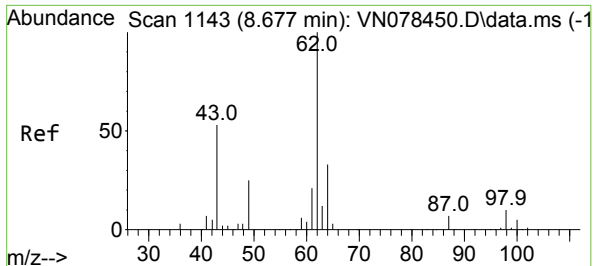
Tgt Ion: 78 Resp: 34140
Ion Ratio Lower Upper
78 100
77 21.3 19.0 28.6



#41
Methacrylonitrile
Concen: 90.508 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.065 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 41 Resp: 296814
Ion Ratio Lower Upper
41 100
39 49.0 42.6 64.0
67 0.0 77.5 116.3#
52 0.1 28.9 43.3#





#42

1,2-Dichloroethane

Concen: 0.229 ug/l

RT: 8.683 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN078501.D

Acq: 13 Jul 2023 16:13

Instrument :

MSVOA_N

ClientSampleId :

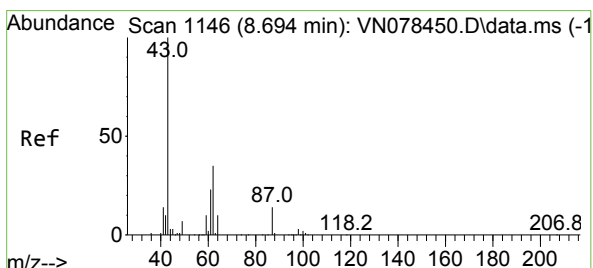
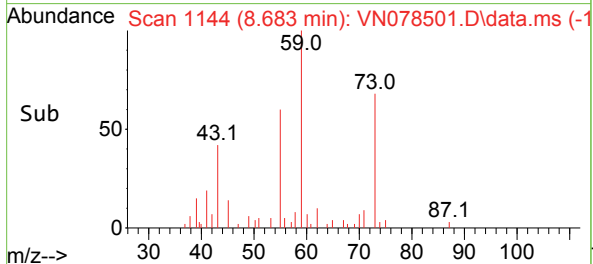
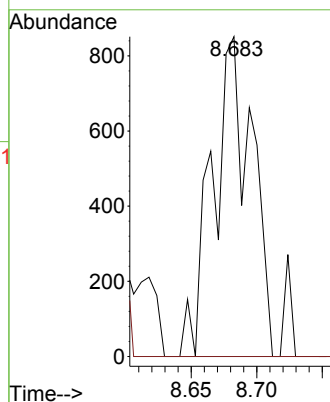
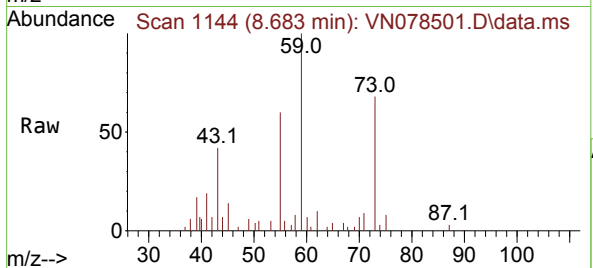
230712062-02-VOA

Tgt Ion: 62 Resp: 1780

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 1.145 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.023 min

Lab File: VN078501.D

Acq: 13 Jul 2023 16:13

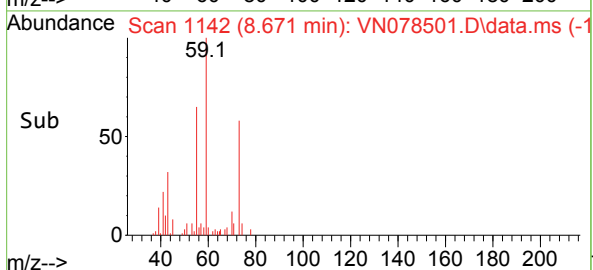
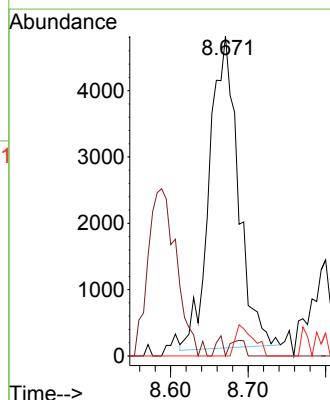
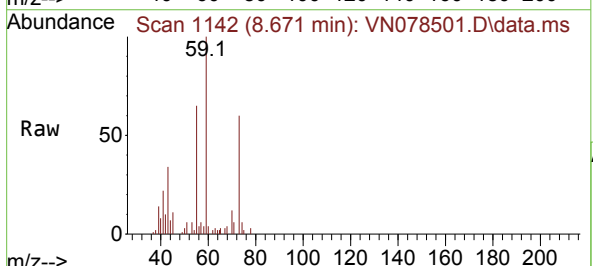
Tgt Ion: 43 Resp: 12123

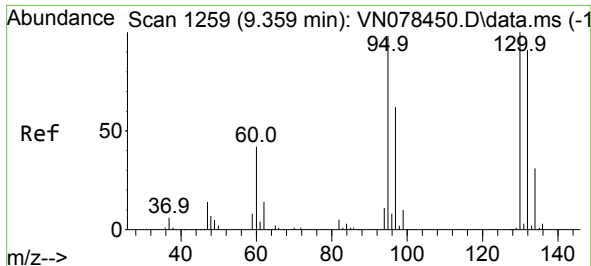
Ion Ratio Lower Upper

43 100

61 2.5 24.7 37.1#

87 6.1 14.6 21.8#

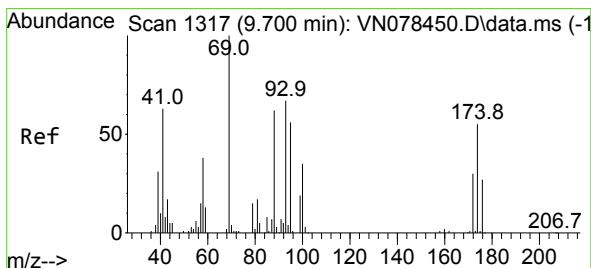
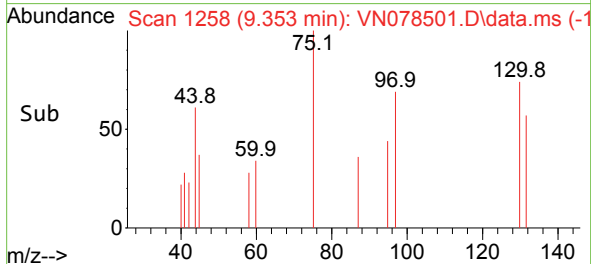
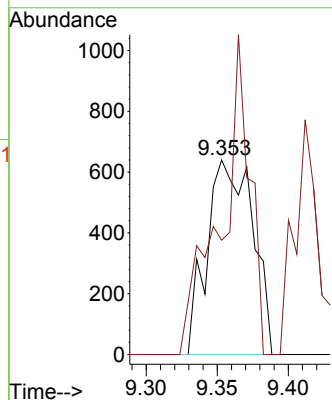
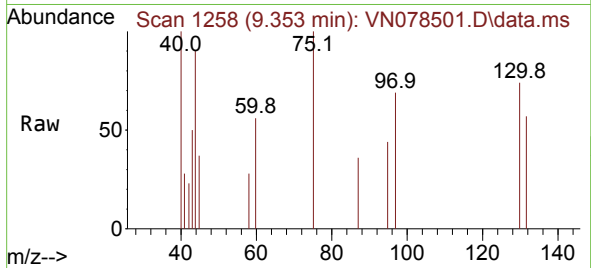




#44
Trichloroethene
Concen: 0.233 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

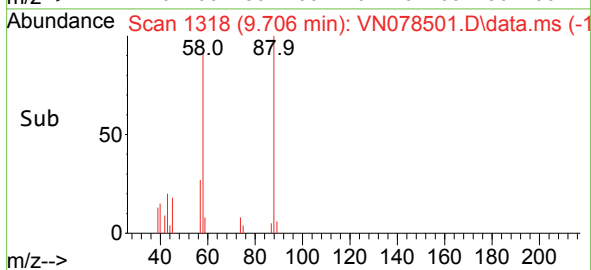
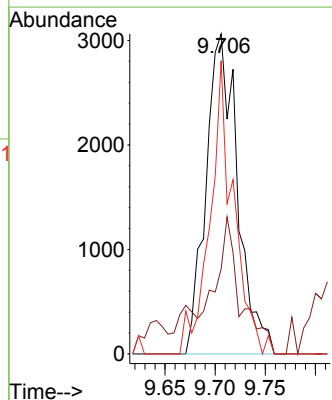
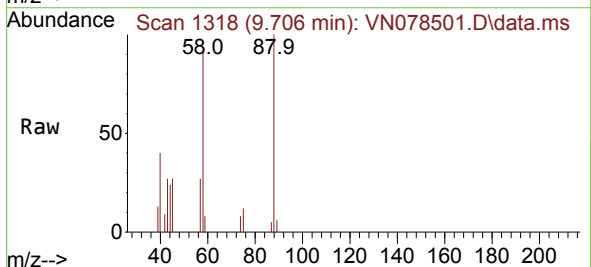
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

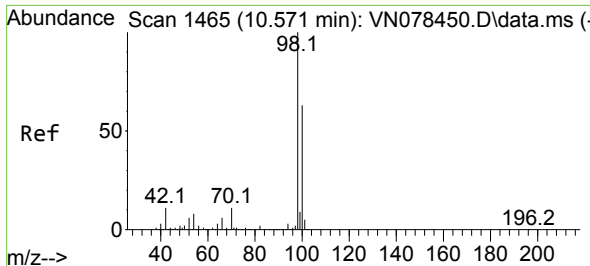
Tgt Ion:130 Resp: 1438
Ion Ratio Lower Upper
130 100
95 58.8 0.0 204.6



#49
1,4-Dioxane
Concen: 62.576 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 88 Resp: 6696
Ion Ratio Lower Upper
88 100
43 35.0 17.0 25.6#
58 68.7 47.0 70.4

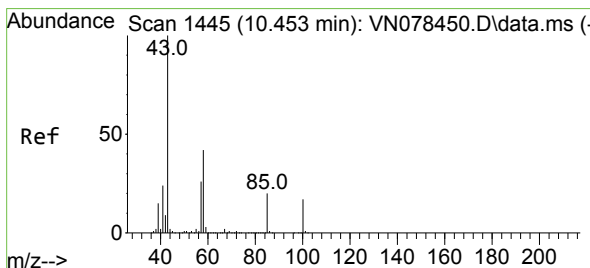
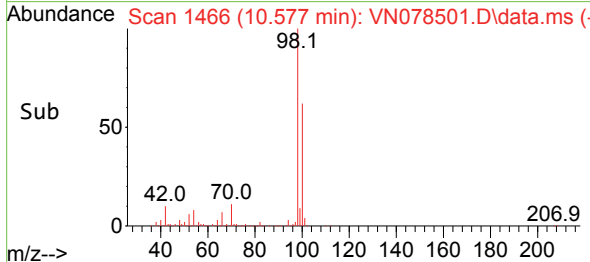
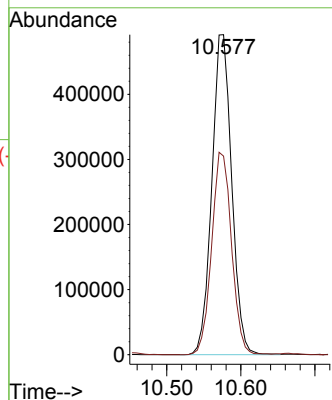
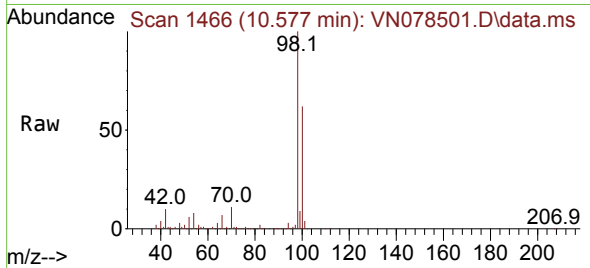




#50
Toluene-d8
Concen: 45.291 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

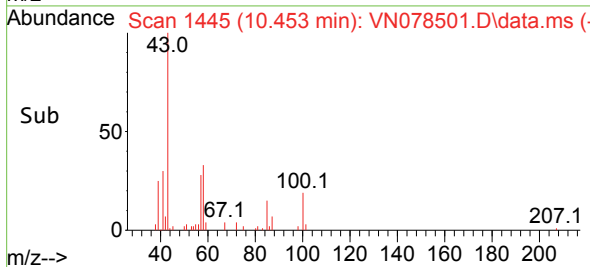
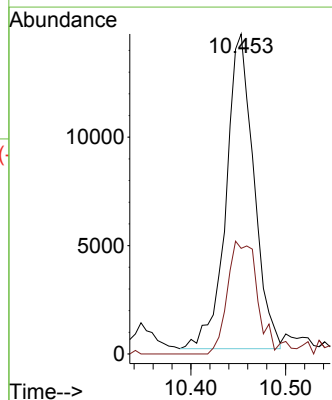
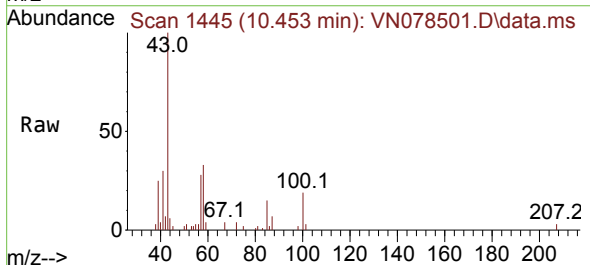
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

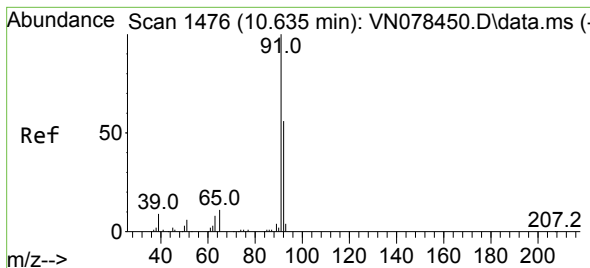
Tgt Ion: 98 Resp: 914415
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.694 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 43 Resp: 29571
Ion Ratio Lower Upper
43 100
58 38.4 36.6 54.8





#52

Toluene

Concen: 1.473 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078501.D

Acq: 13 Jul 2023 16:13

Instrument :

MSVOA_N

ClientSampleId :

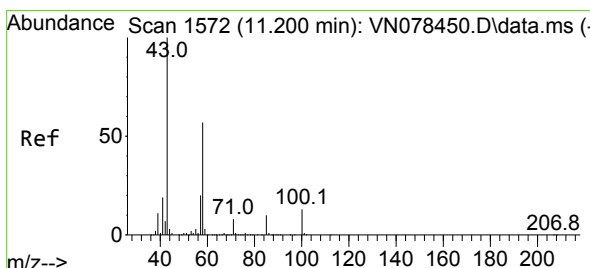
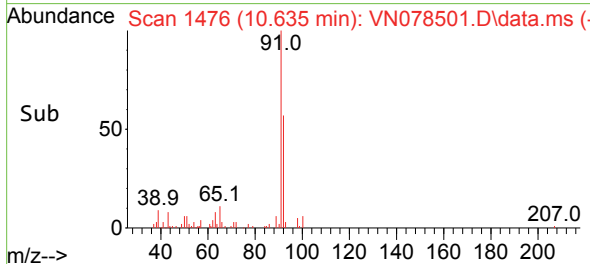
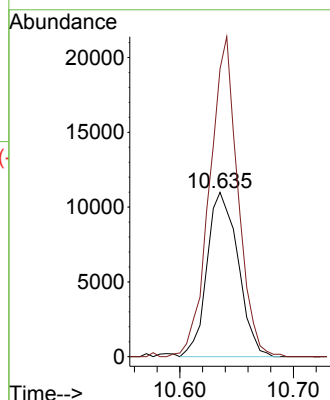
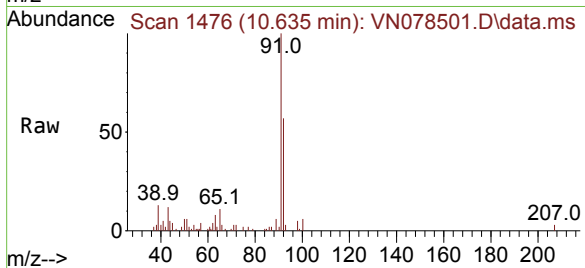
230712062-02-VOA

Tgt Ion: 92 Resp: 20875

Ion Ratio Lower Upper

92 100

91 177.5 137.4 206.0



#59

2-Hexanone

Concen: 4.004 ug/l

RT: 11.065 min Scan# 1549

Delta R.T. -0.135 min

Lab File: VN078501.D

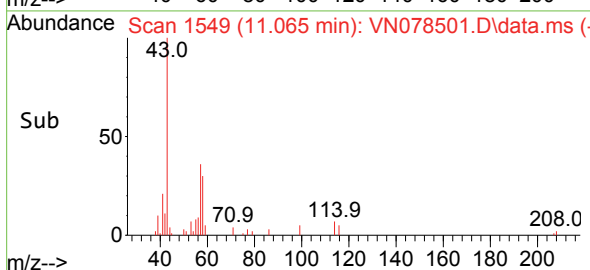
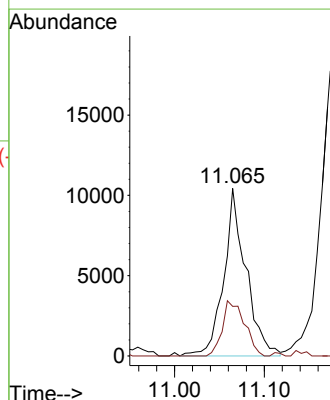
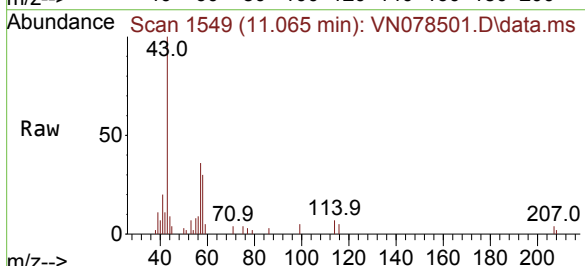
Acq: 13 Jul 2023 16:13

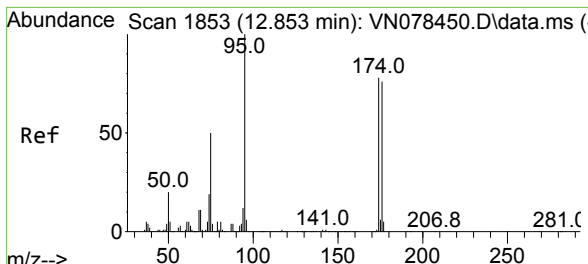
Tgt Ion: 43 Resp: 17929

Ion Ratio Lower Upper

43 100

58 33.0 31.7 95.1

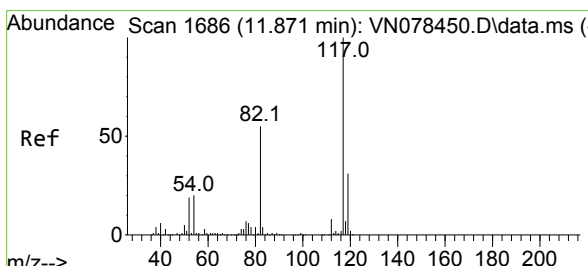
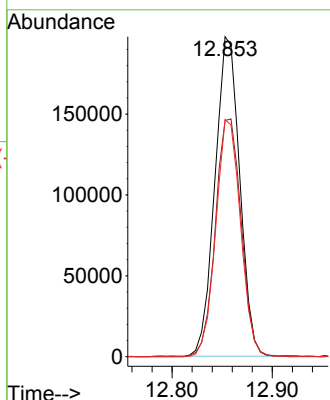
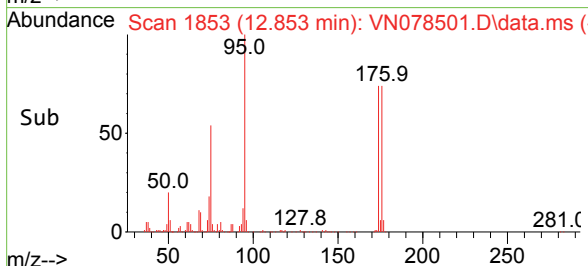
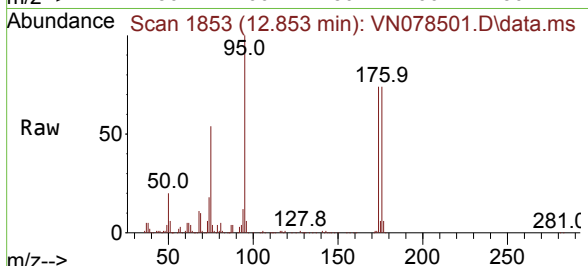




#62
 4-Bromofluorobenzene
 Concen: 54.487 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078501.D
 Acq: 13 Jul 2023 16:13

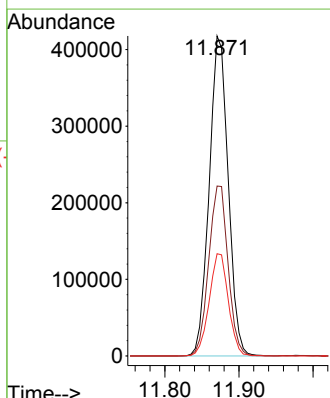
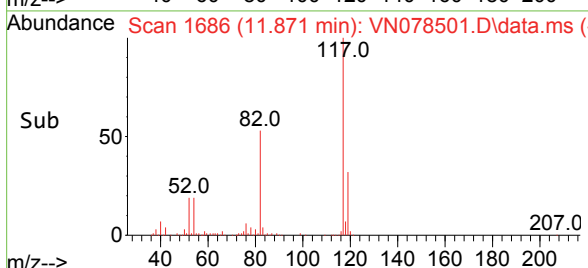
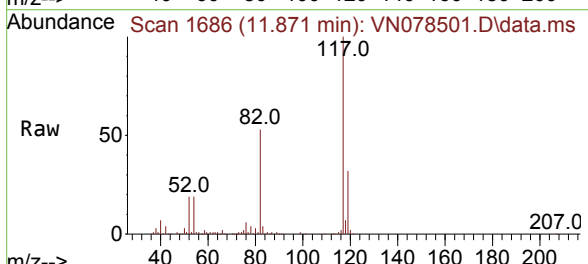
Instrument :
 MSVOA_N
 ClientSampleId :
 230712062-02-VOA

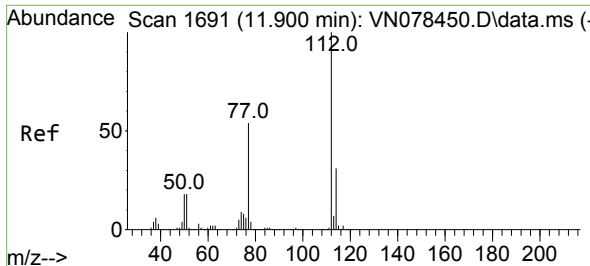
Tgt Ion:	95	Resp:	338848
Ion Ratio	Lower	Upper	
95	100		
174	77.5	0.0	143.8
176	74.1	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN078501.D
 Acq: 13 Jul 2023 16:13

Tgt Ion:	117	Resp:	742619
Ion Ratio	Lower	Upper	
117	100		
82	53.1	44.0	66.0
119	32.0	25.6	38.4

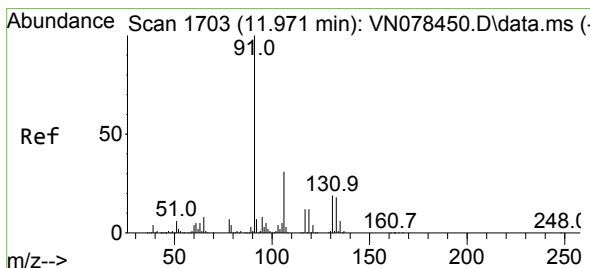
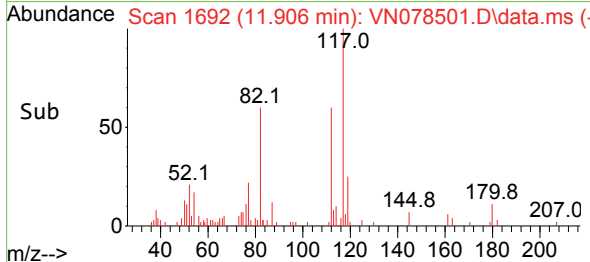
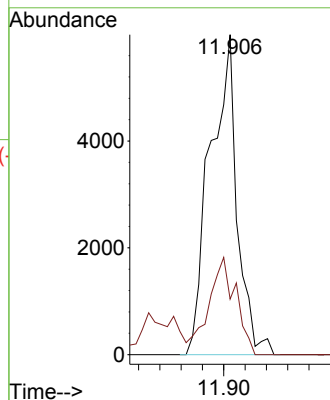
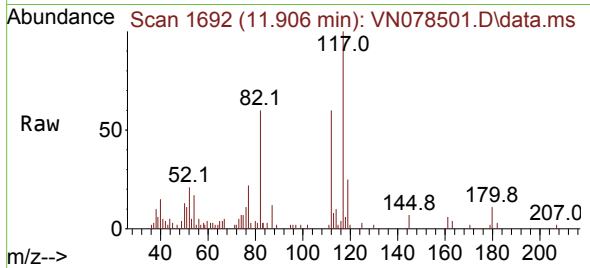




#65
Chlorobenzene
Concen: 0.634 ug/l
RT: 11.906 min Scan# 1691
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

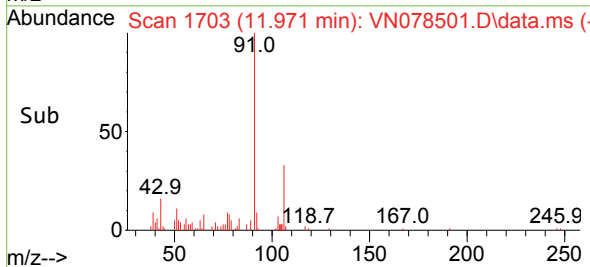
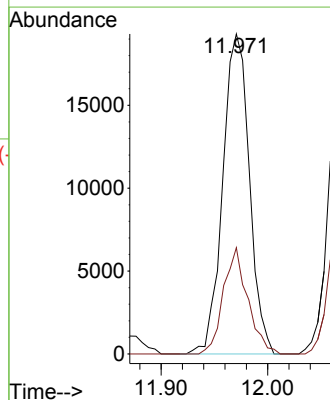
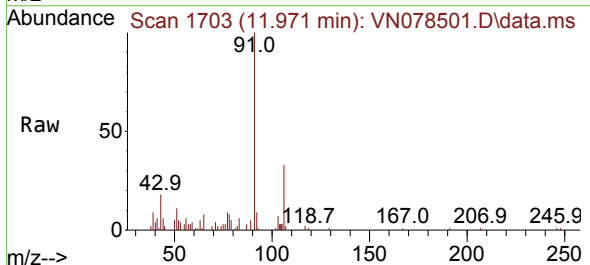
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

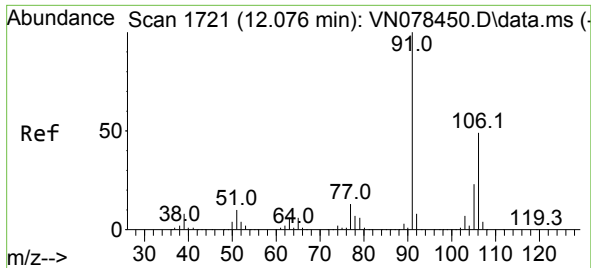
Tgt Ion:112 Resp: 10524
Ion Ratio Lower Upper
112 100
114 17.3 25.0 37.4#



#67
Ethyl Benzene
Concen: 1.195 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 91 Resp: 33526
Ion Ratio Lower Upper
91 100
106 33.2 25.6 38.4

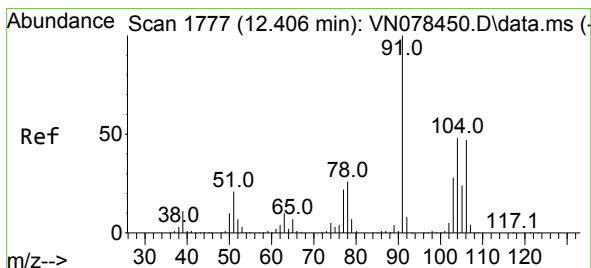
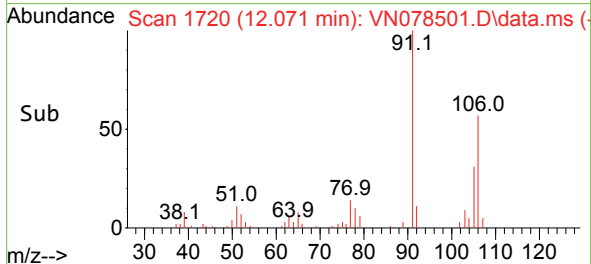
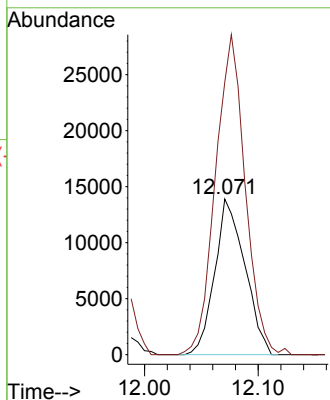
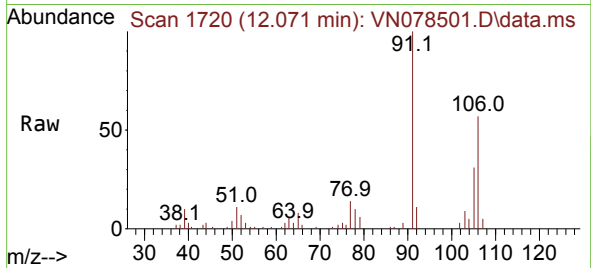




#68
m/p-Xylenes
Concen: 2.470 ug/l
RT: 12.071 min Scan# 1721
Delta R.T. -0.005 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

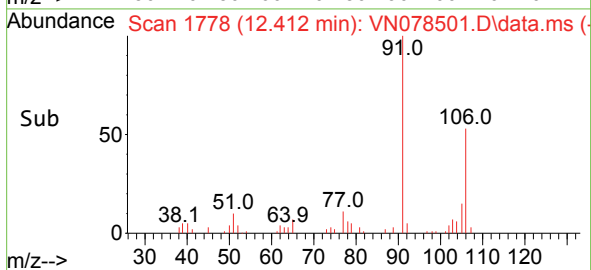
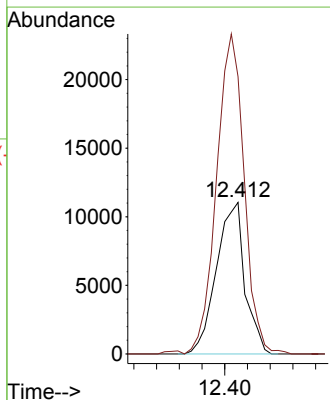
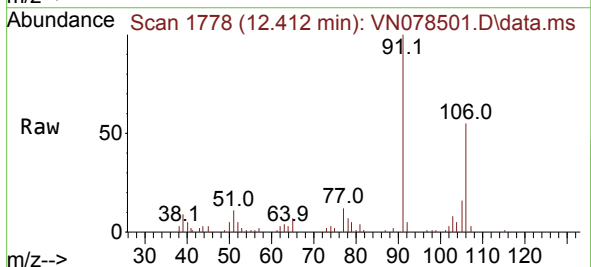
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

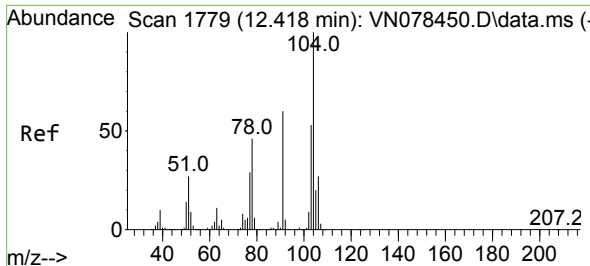
Tgt Ion:106 Resp: 25628
Ion Ratio Lower Upper
106 100
91 203.1 159.6 239.4



#69
o-Xylene
Concen: 1.835 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion:106 Resp: 19231
Ion Ratio Lower Upper
106 100
91 204.7 105.2 315.5

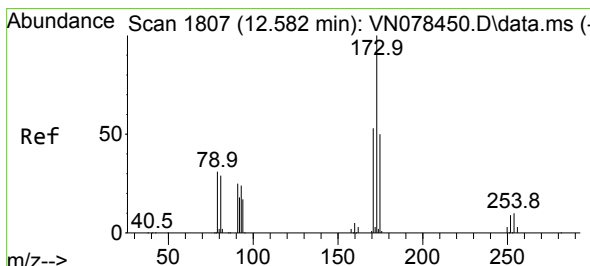
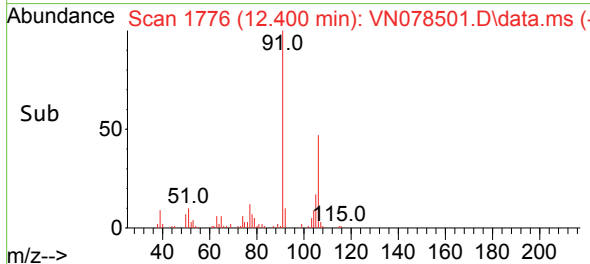
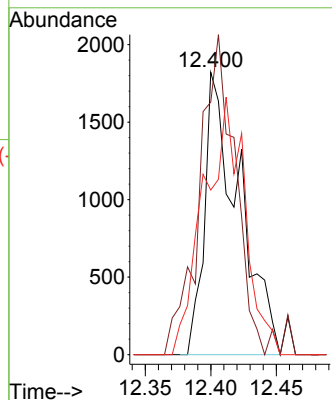
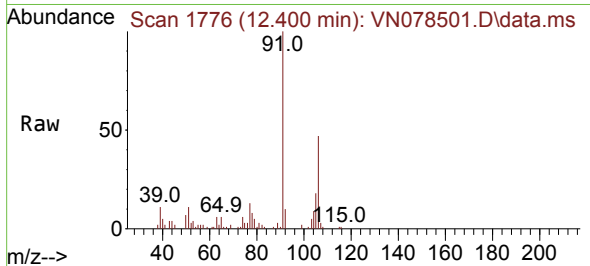




#70
Styrene
Concen: 0.203 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

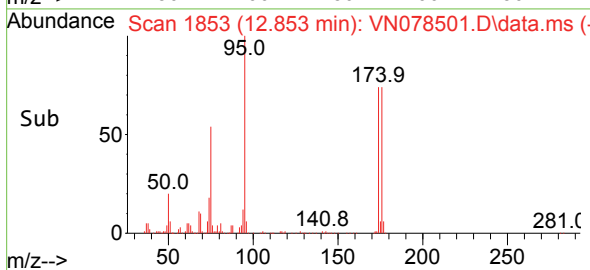
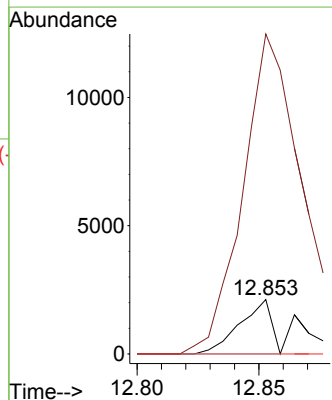
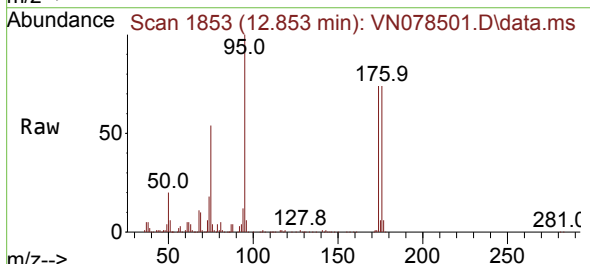
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

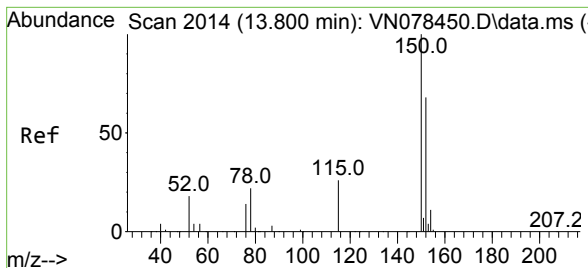
Tgt Ion:104 Resp: 3327
Ion Ratio Lower Upper
104 100
78 116.6 39.5 59.3#
103 107.9 43.2 64.8#



#71
Bromoform
Concen: 0.441 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion:173 Resp: 1906
Ion Ratio Lower Upper
173 100
175 754.6 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078501.D

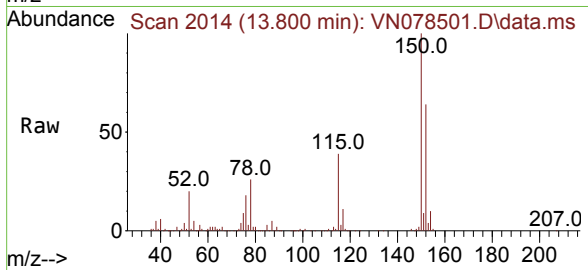
Acq: 13 Jul 2023 16:13

Instrument :

MSVOA_N

ClientSampleId :

230712062-02-VOA



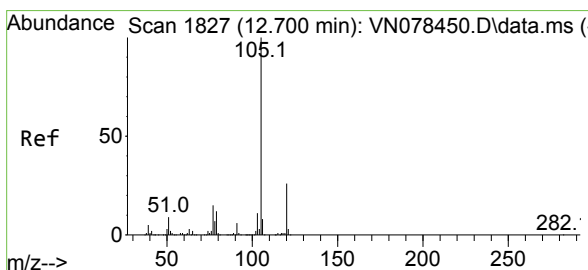
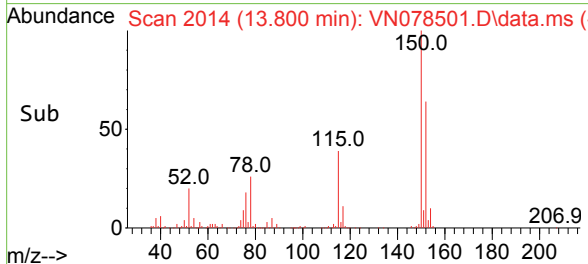
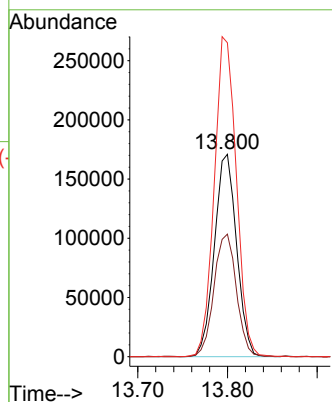
Tgt Ion:152 Resp: 293729

Ion Ratio Lower Upper

152 100

115 61.3 32.3 96.8

150 157.3 0.0 355.8



#73

Isopropylbenzene

Concen: 0.422 ug/l

RT: 12.706 min Scan# 1828

Delta R.T. 0.006 min

Lab File: VN078501.D

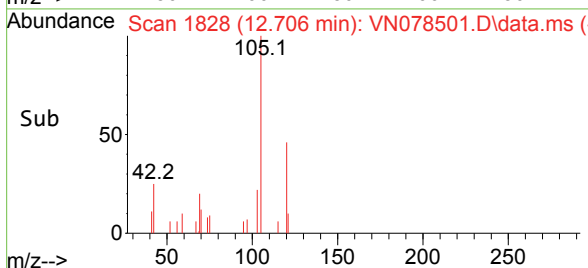
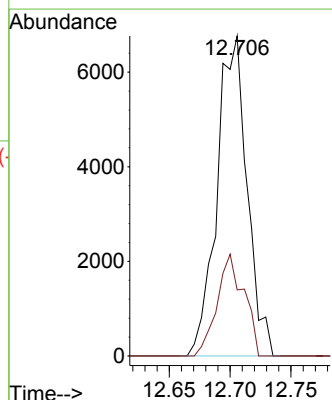
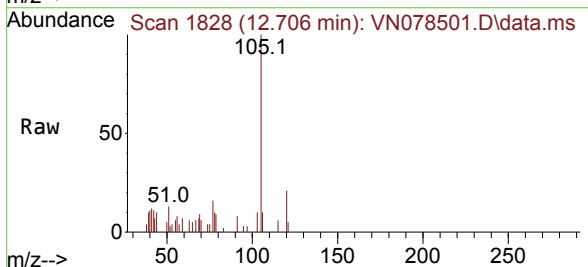
Acq: 13 Jul 2023 16:13

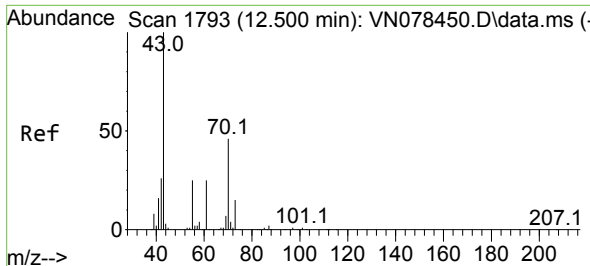
Tgt Ion:105 Resp: 11635

Ion Ratio Lower Upper

105 100

120 28.3 13.1 39.1

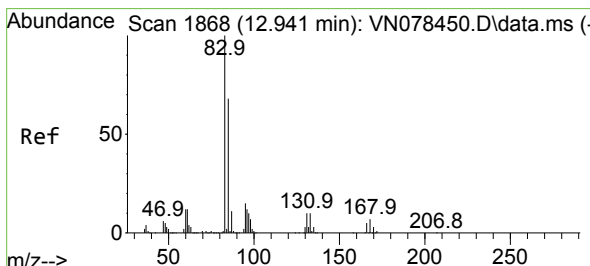
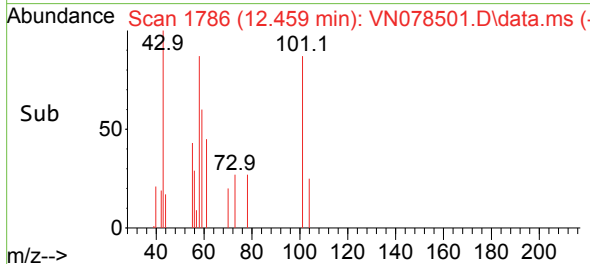
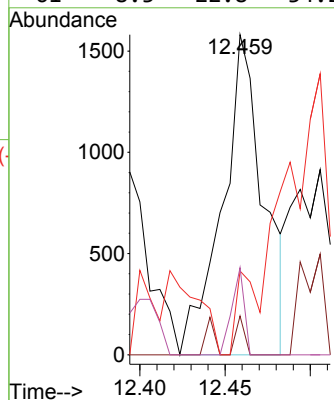
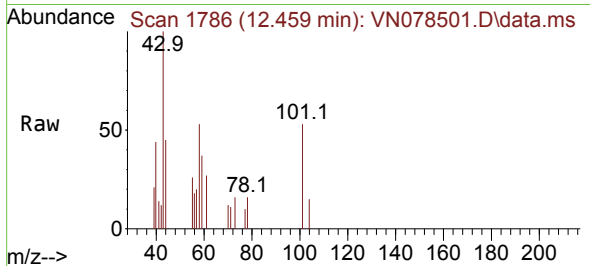




#74
N-amy1 acetate
Concen: 0.277 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

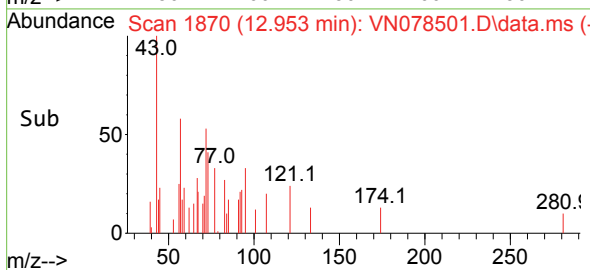
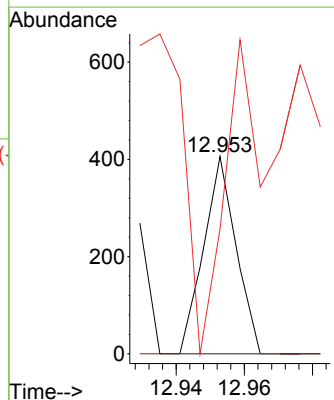
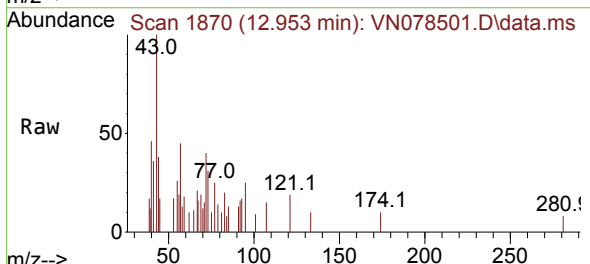
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

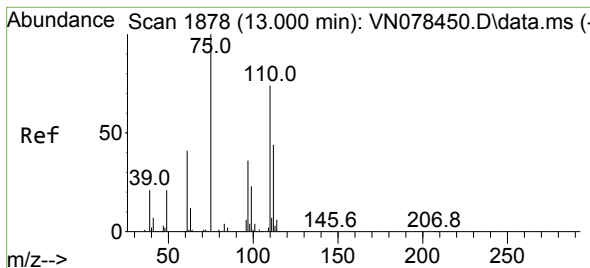
Tgt Ion: 43	Resp: 2635
Ion Ratio	Lower Upper
43	100
70	2.6 43.4 65.2#
55	0.0 21.4 32.0#
61	8.3 22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.953 min Scan# 1870
Delta R.T. 0.012 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 83	Resp: 268
Ion Ratio	Lower Upper
83	100
131	0.0 5.0 15.0#
85	164.2 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 25.062 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078501.D

Acq: 13 Jul 2023 16:13

Instrument :

MSVOA_N

ClientSampleId :

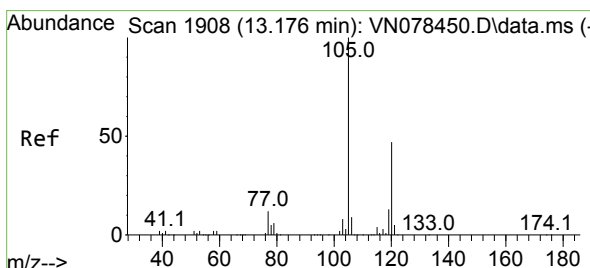
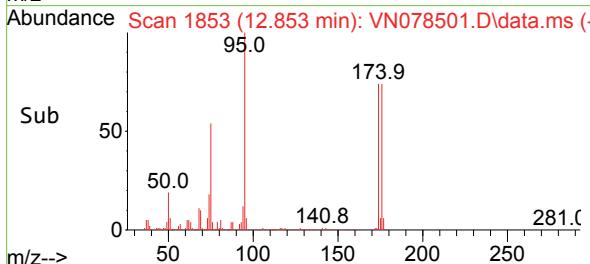
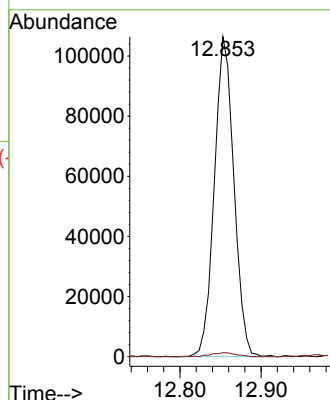
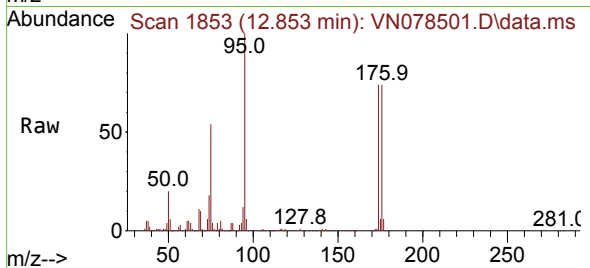
230712062-02-VOA

Tgt Ion: 75 Resp: 177938

Ion Ratio Lower Upper

75 100

77 1.6 84.5 253.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.305 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VN078501.D

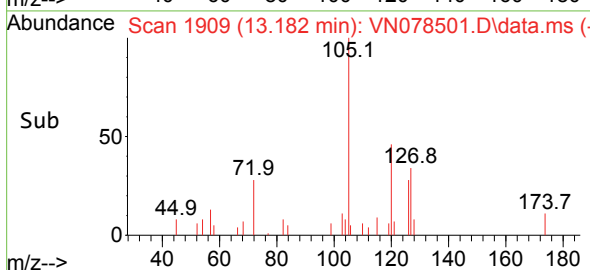
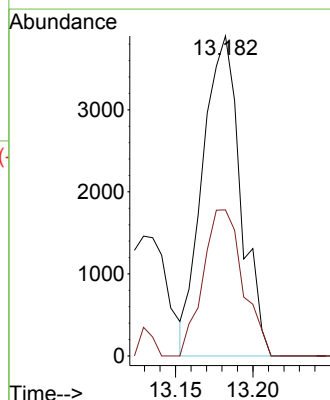
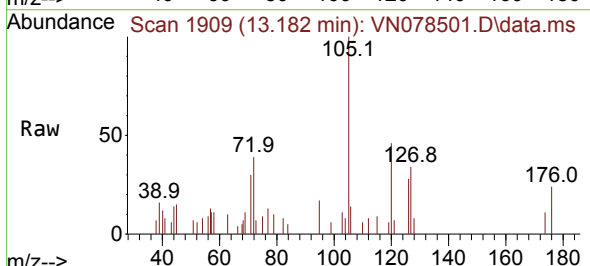
Acq: 13 Jul 2023 16:13

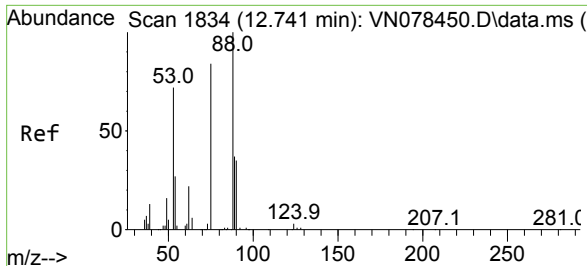
Tgt Ion:105 Resp: 6647

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.3

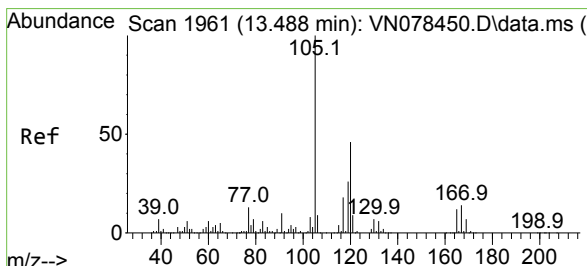
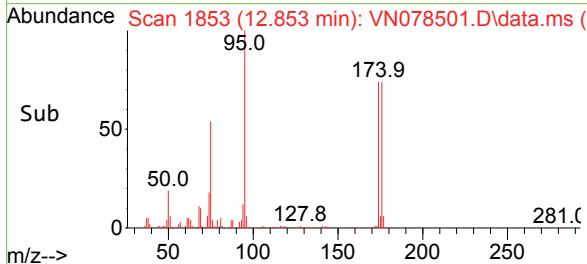
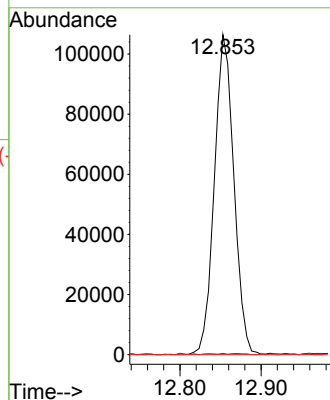
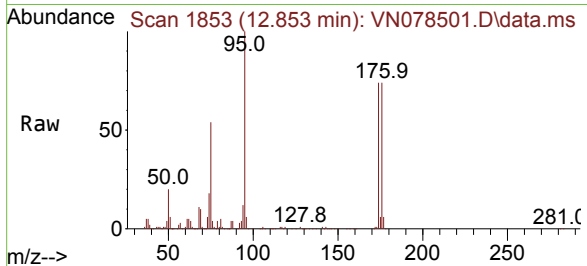




#81
trans-1,4-Dichloro-2-butene
Concen: 65.859 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

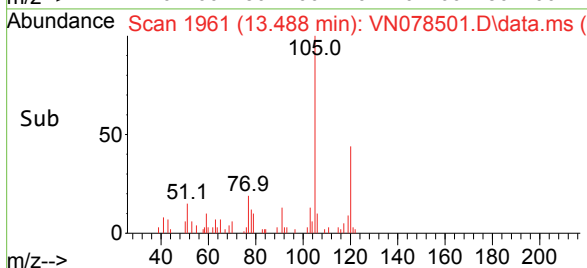
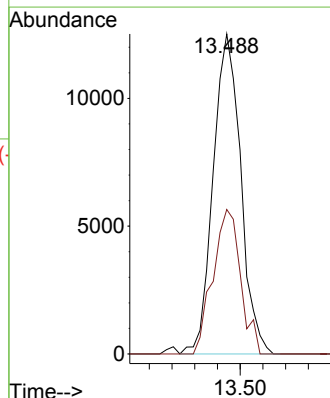
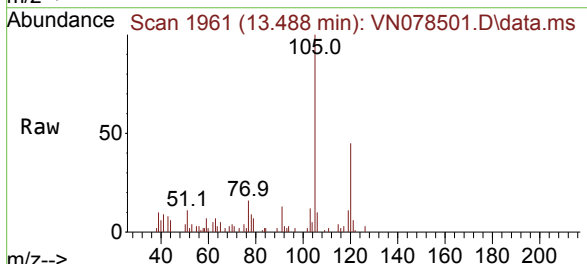
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

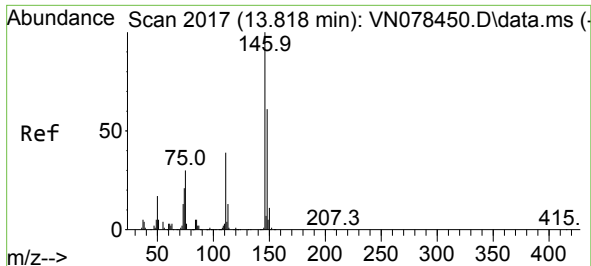
Tgt Ion: 75 Resp: 177938
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.995 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

Tgt Ion: 105 Resp: 21071
Ion Ratio Lower Upper
105 100
120 45.4 22.0 66.0

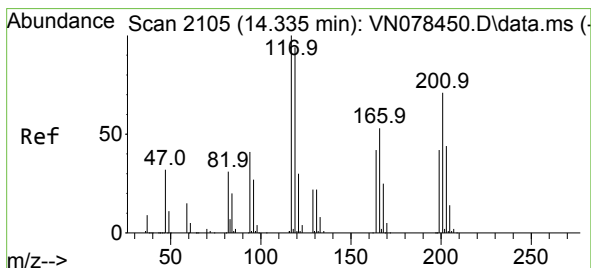
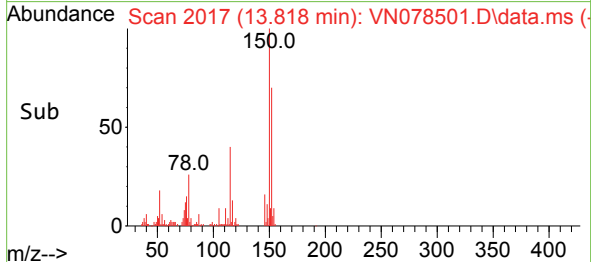
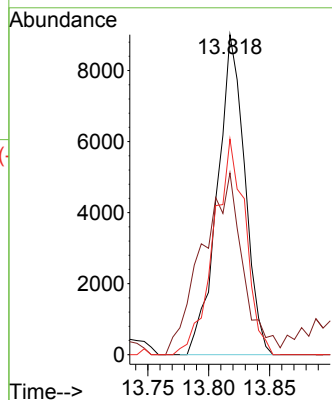
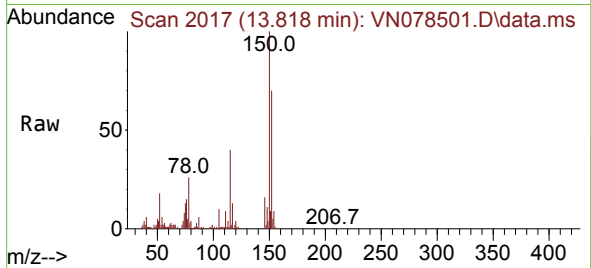




#88
 1,4-Dichlorobenzene
 Concen: 1.325 ug/l
 RT: 13.818 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: VN078501.D
 Acq: 13 Jul 2023 16:13

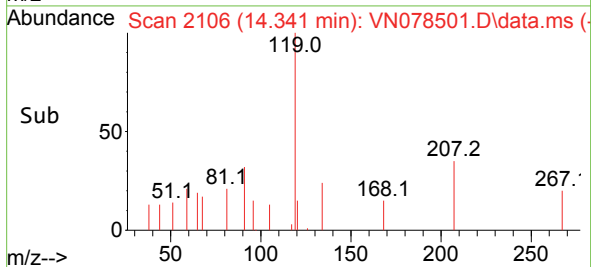
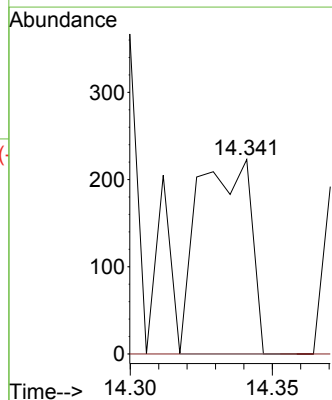
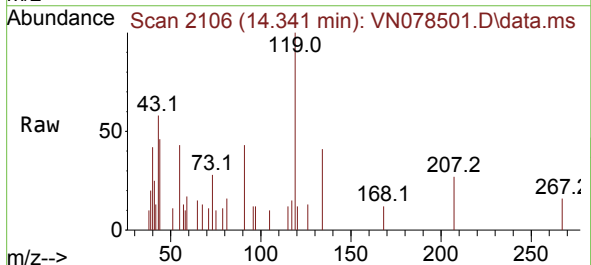
Instrument :
 MSVOA_N
 ClientSampleId :
 230712062-02-VOA

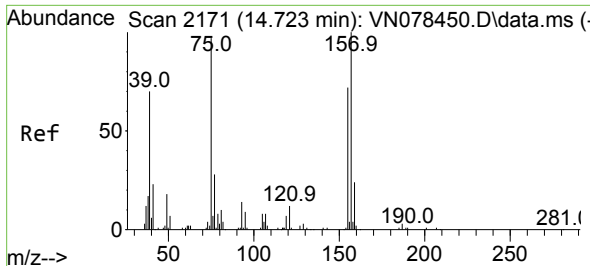
Tgt Ion:146 Resp: 14145
 Ion Ratio Lower Upper
 146 100
 111 84.5 20.6 61.8#
 148 77.7 31.6 94.8



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 14.341 min Scan# 2106
 Delta R.T. 0.006 min
 Lab File: VN078501.D
 Acq: 13 Jul 2023 16:13

Tgt Ion:117 Resp: 289
 Ion Ratio Lower Upper
 117 100
 201 0.0 29.3 88.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.712 min Scan# 2169

Delta R.T. -0.011 min

Lab File: VN078501.D

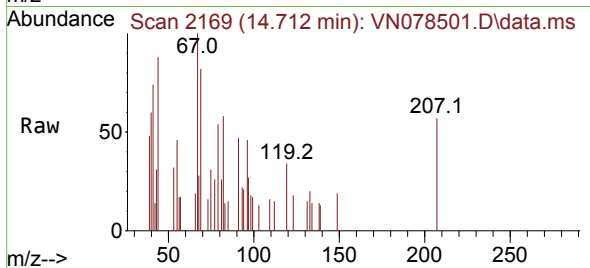
Acq: 13 Jul 2023 16:13

Instrument :

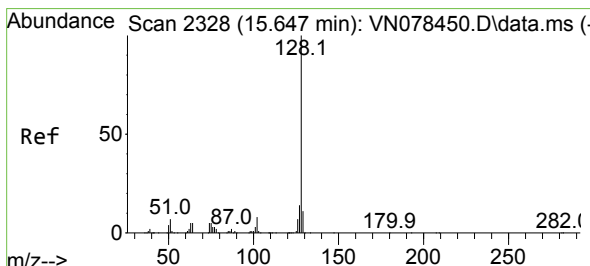
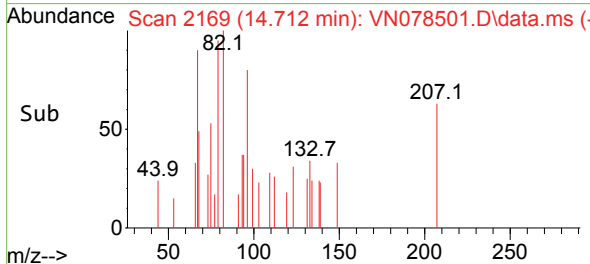
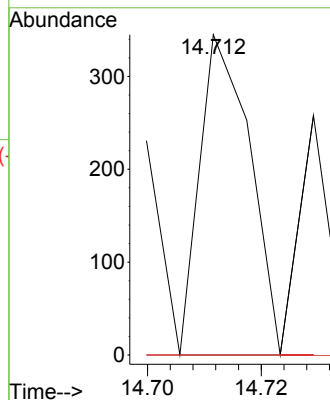
MSVOA_N

ClientSampleId :

230712062-02-VOA



Tgt Ion:	75	Resp:	211
Ion Ratio	Lower	Upper	
75	100		
155	0.0	39.1	117.2#
157	0.0	50.3	150.9#



#95

Naphthalene

Concen: 0.374 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.006 min

Lab File: VN078501.D

Acq: 13 Jul 2023 16:13

Tgt Ion:	128	Resp:	4306
Ion Ratio	Lower	Upper	
128	100		
127	5.3	10.0	15.0#
129	14.4	8.7	13.1#

