

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075823.D
 Acq On : 15 Dec 2022 17:23
 Operator : JC\MD
 Sample : N6067-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-LIQUID-20221214

Quant Time: Dec 16 03:11:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

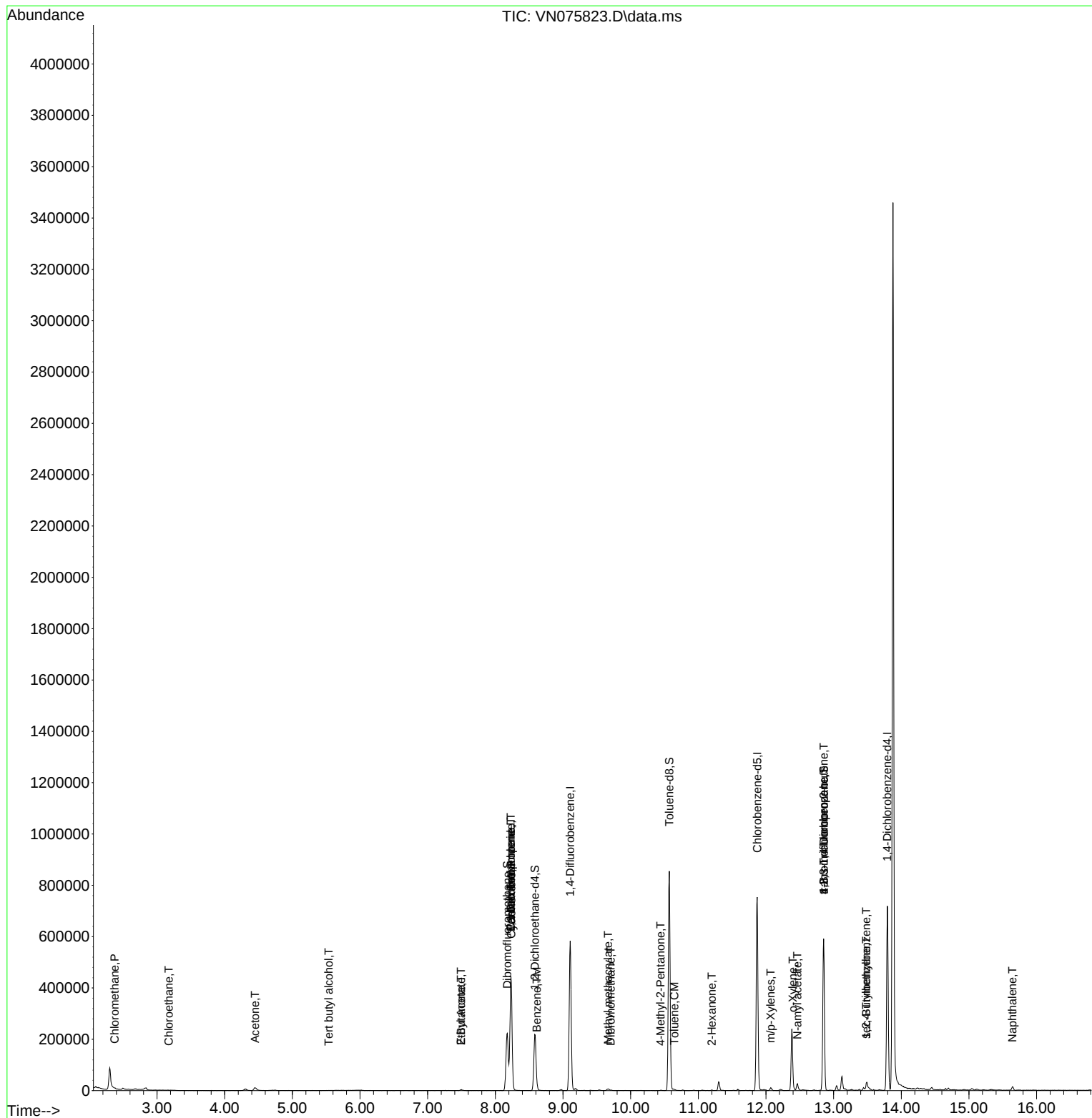
Internal Standards						
1) Pentafluorobenzene	8.229	168	339985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	533522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	466489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	177122	47.887	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.780%		
35) Dibromofluoromethane	8.177	113	161069	48.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.500%		
50) Toluene-d8	10.570	98	616794	49.929	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.860%		
62) 4-Bromofluorobenzene	12.853	95	197670	48.312	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.620%		
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	709	0.236	ug/l #	40
6) Chloroethane	3.171	64	635	0.239	ug/l #	44
11) Tert butyl alcohol	5.536	59	367	0.701	ug/l #	72
16) Acetone	4.447	43	21908	17.182	ug/l	91
20) Methylene Chloride	5.294	84	112	Below Cal	#	12
25) 2-Butanone	7.494	43	5459	3.058	ug/l #	73
31) Cyclohexane	8.235	56	6180	1.167	ug/l #	19
36) 1,1-Dichloropropene	8.229	75	24789	5.648	ug/l #	50
37) Ethyl Acetate	7.494	43	5459	1.548	ug/l #	65
38) Carbon Tetrachloride	8.229	117	34139	6.950	ug/l #	15
40) Benzene	8.612	78	6853	0.506	ug/l #	86
46) Dibromomethane	9.706	93	804	0.329	ug/l #	85
48) Methyl methacrylate	9.665	41	1479	0.565	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	976	0.278	ug/l	96
52) Toluene	10.647	92	1886	0.214	ug/l	99
59) 2-Hexanone	11.200	43	1468	0.572	ug/l	91
68) m/p-Xylenes	12.070	106	4177	0.653	ug/l	90
69) o-Xylene	12.394	106	2321	0.367	ug/l	82
74) N-amyl acetate	12.464	43	15226	3.558	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	100865	24.788	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100865	89.225	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	3632	0.300	ug/l	87
85) sec-Butylbenzene	13.482	105	3632	0.244	ug/l #	56
95) Naphthalene	15.641	128	14489	3.439	ug/l	98

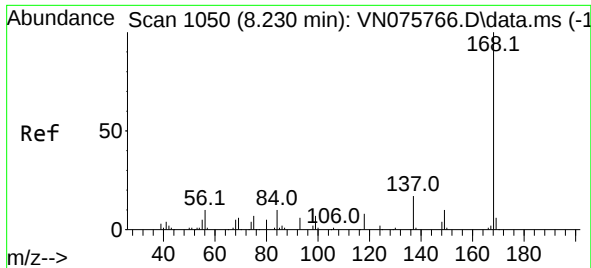
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

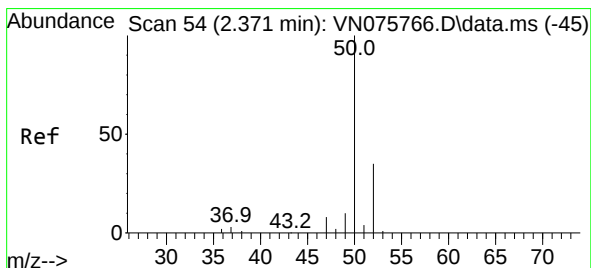
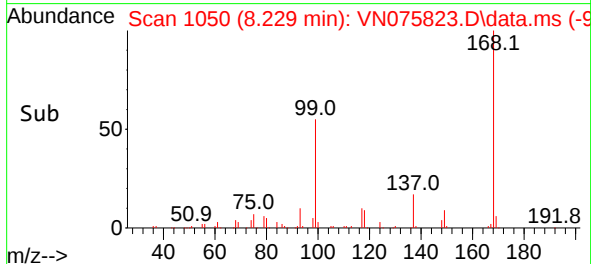
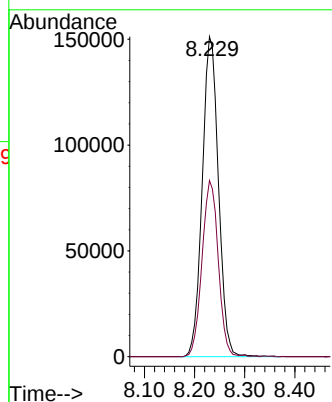
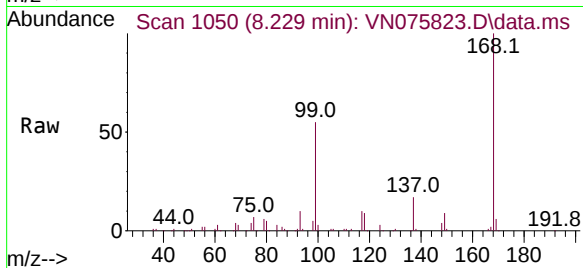




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

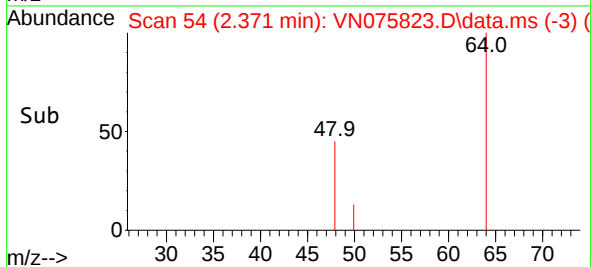
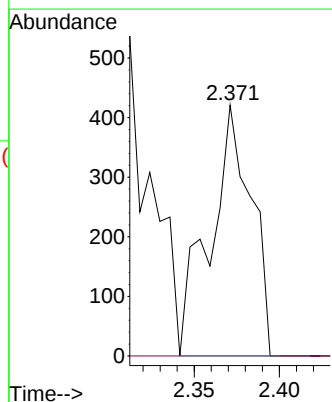
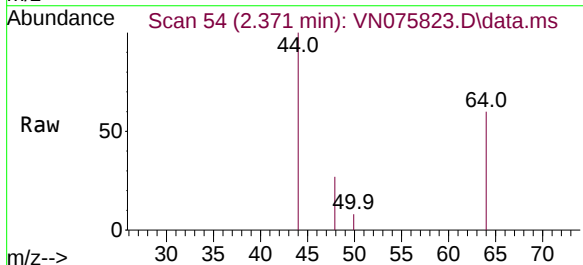
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUID-20221214

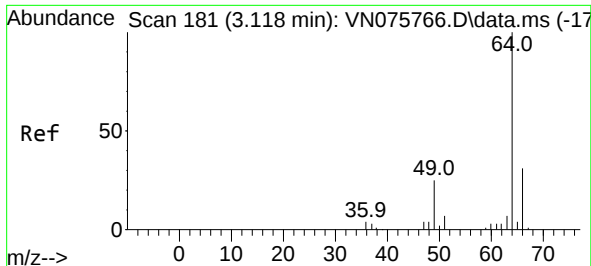
Tgt Ion:168 Resp: 339985
Ion Ratio Lower Upper
168 100
99 55.0 44.2 66.4



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.371 min Scan# 54
Delta R.T. -0.000 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

Tgt Ion: 50 Resp: 709
Ion Ratio Lower Upper
50 100
52 0.0 27.7 41.5#

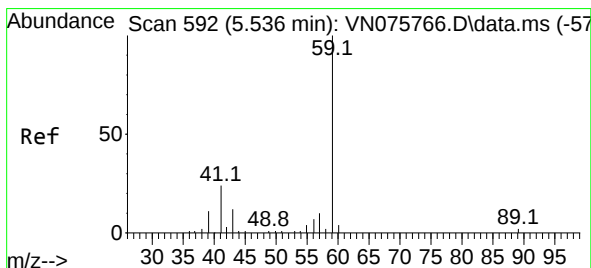
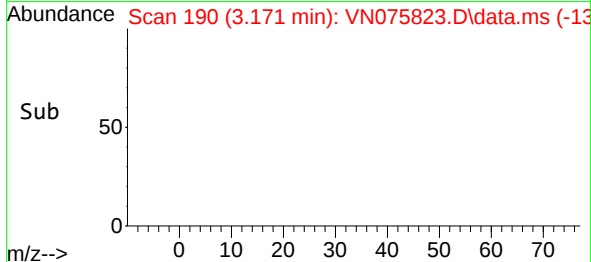
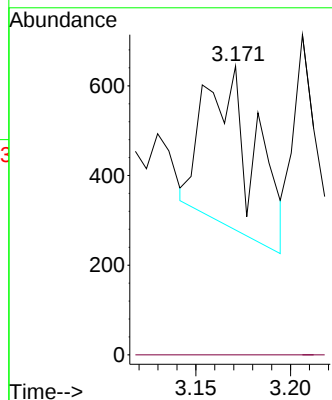
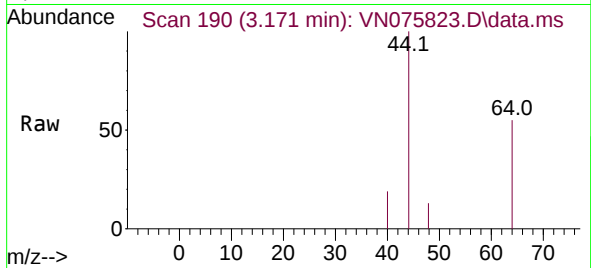




#6
Chloroethane
Concen: 0.239 ug/l
RT: 3.171 min Scan# 190
Delta R.T. 0.053 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

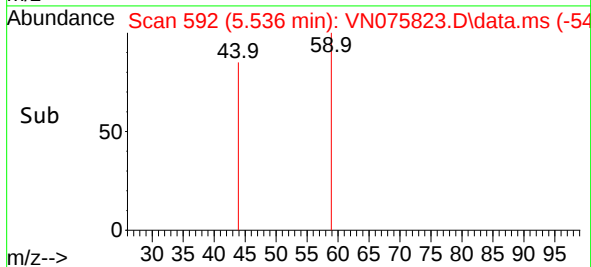
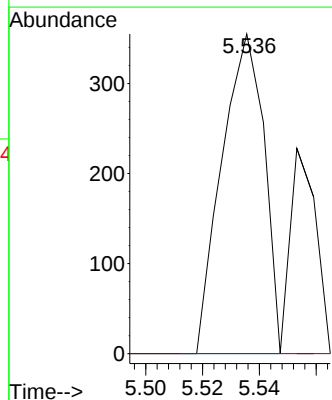
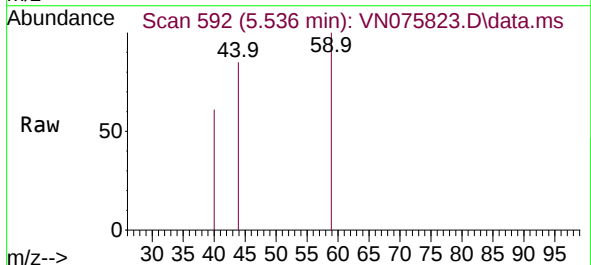
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUID-20221214

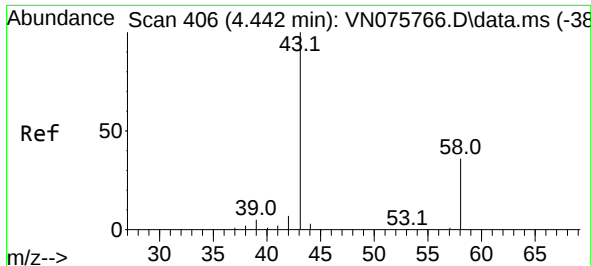
Tgt Ion: 64 Resp: 635
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#11
Tert butyl alcohol
Concen: 0.701 ug/l
RT: 5.536 min Scan# 592
Delta R.T. -0.000 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

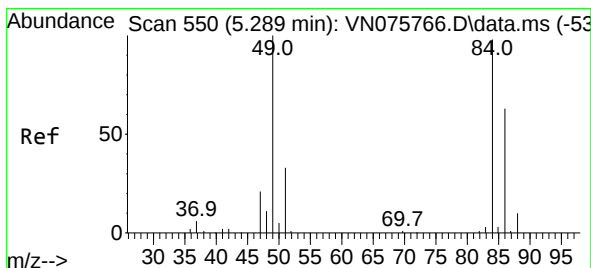
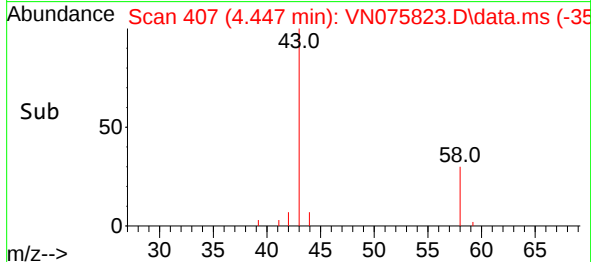
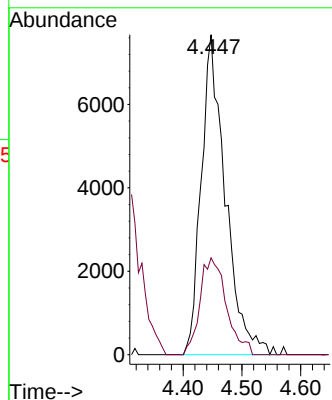
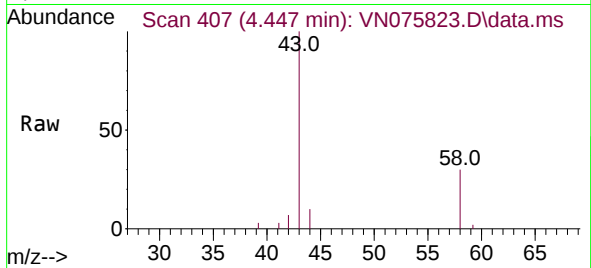




#16
Acetone
Concen: 17.182 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

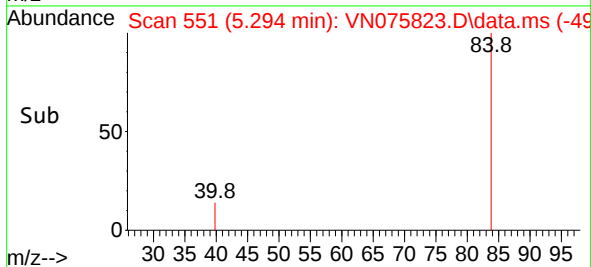
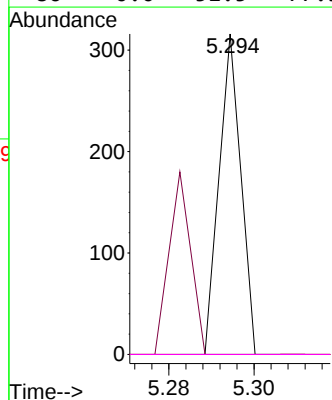
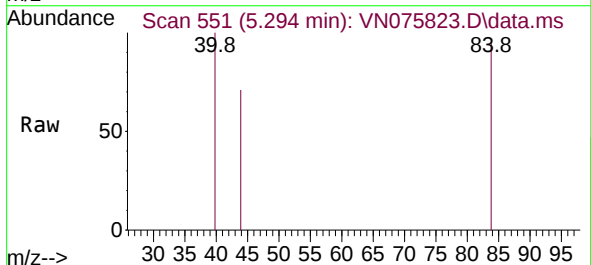
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUID-20221214

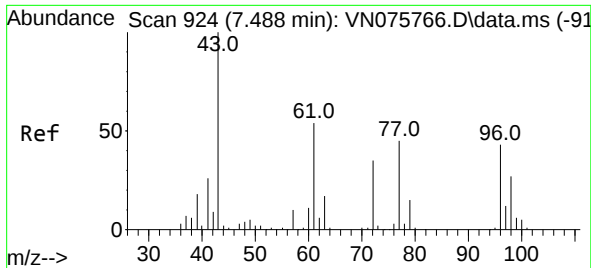
Tgt Ion: 43 Resp: 21908
Ion Ratio Lower Upper
43 100
58 30.2 28.6 43.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

Tgt Ion: 84 Resp: 112
Ion Ratio Lower Upper
84 100
49 0.0 81.8 122.6#
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#

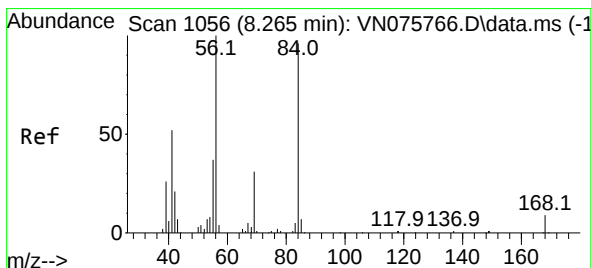
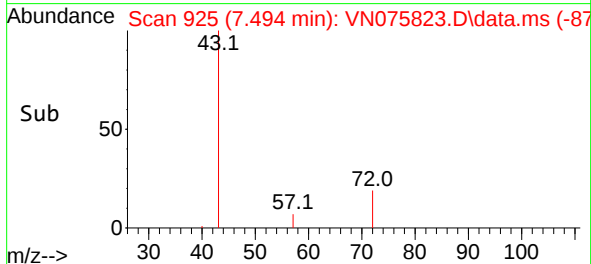
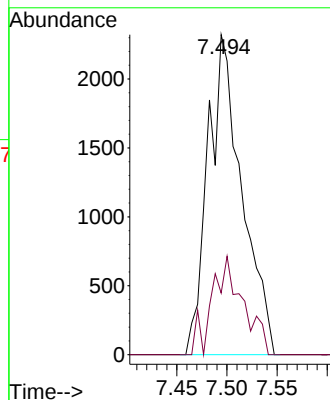
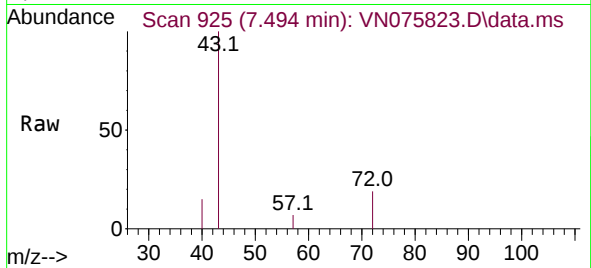




#25
2-Butanone
Concen: 3.058 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

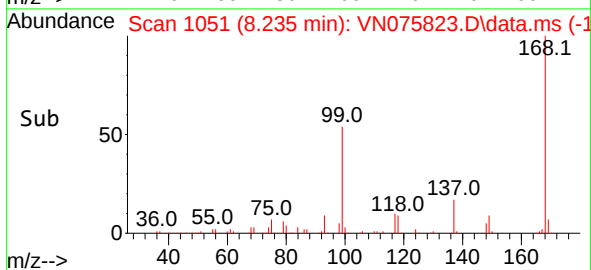
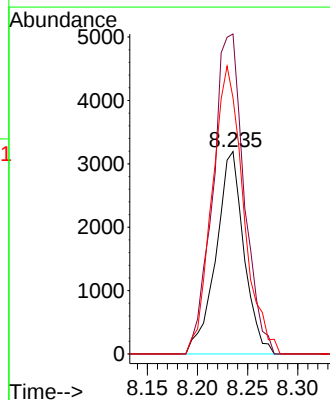
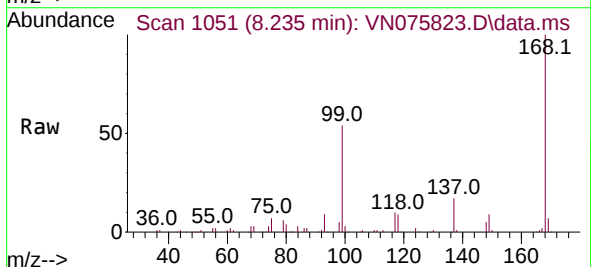
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUID-20221214

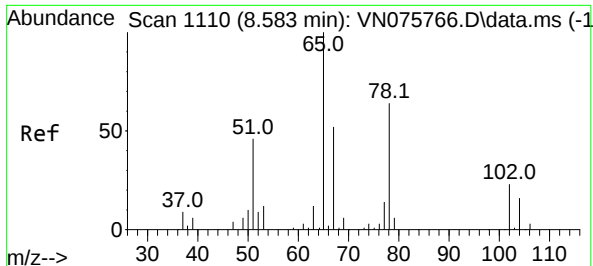
Tgt Ion: 43 Resp: 5459
Ion Ratio Lower Upper
43 100
72 19.3 28.0 42.0#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

Tgt Ion: 56 Resp: 6180
Ion Ratio Lower Upper
56 100
69 158.1 24.7 37.1#
84 126.6 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 47.887 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075823.D

Acq: 15 Dec 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

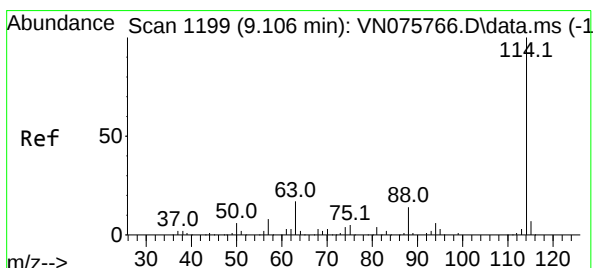
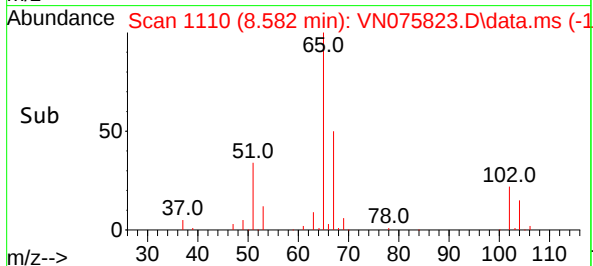
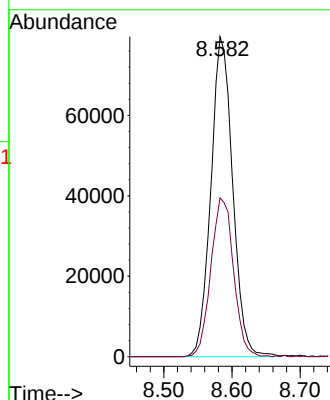
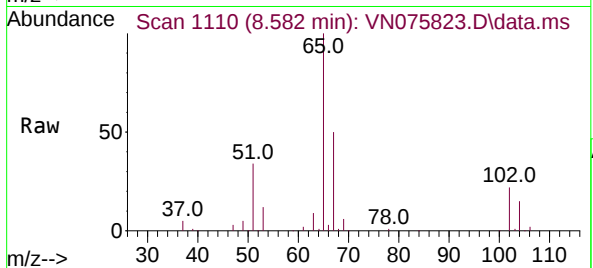
WC-LIQUID-20221214

Tgt Ion: 65 Resp: 177122

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075823.D

Acq: 15 Dec 2022 17:23

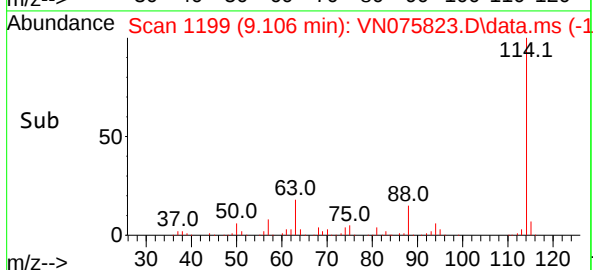
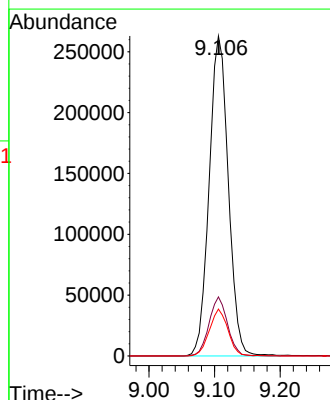
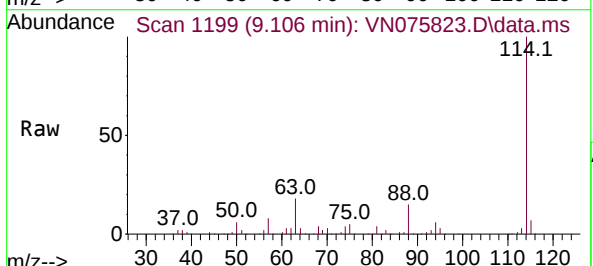
Tgt Ion: 114 Resp: 533522

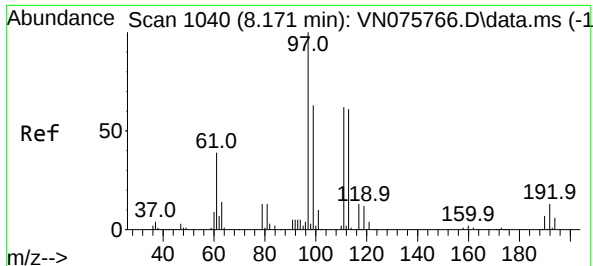
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.4

88 14.7 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.749 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075823.D

Acq: 15 Dec 2022 17:23

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ClientSampleId :

WC-LIQUID-20221214

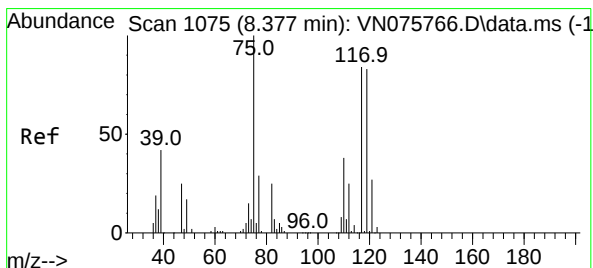
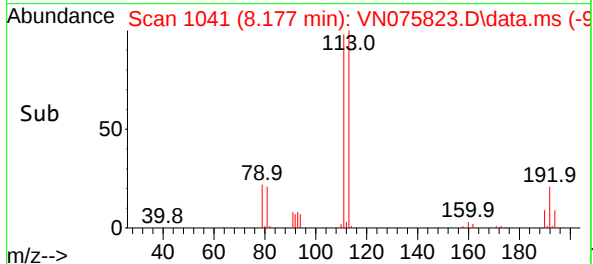
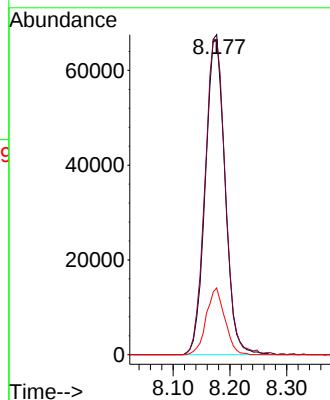
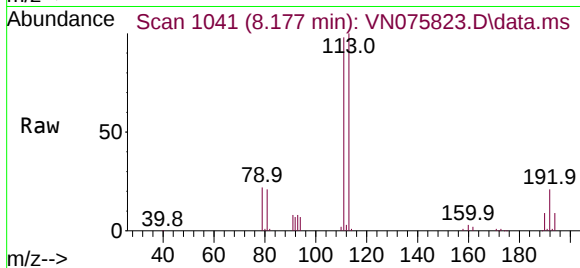
Tgt Ion:113 Resp: 161069

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

192 19.8 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.648 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075823.D

Acq: 15 Dec 2022 17:23

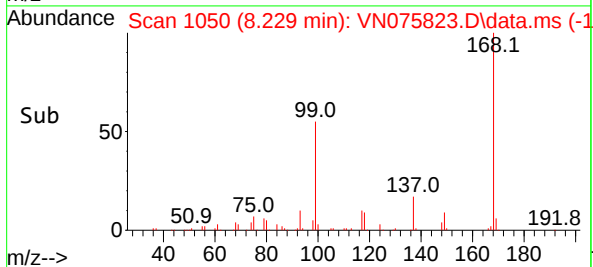
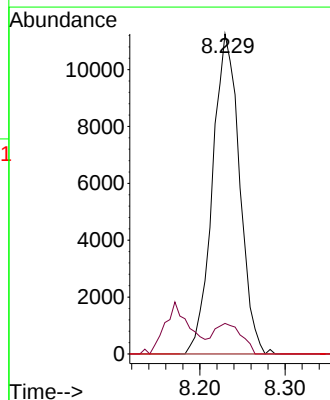
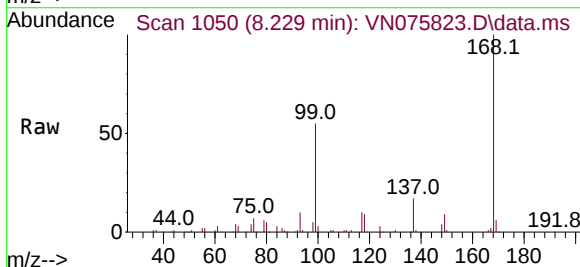
Tgt Ion: 75 Resp: 24789

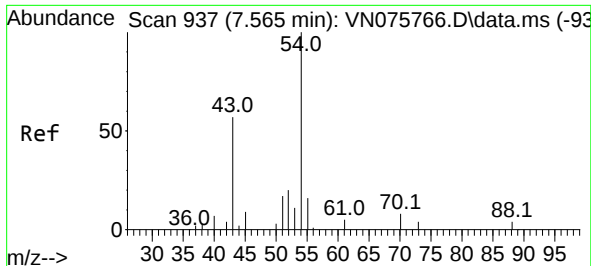
Ion Ratio Lower Upper

75 100

110 10.0 18.8 56.4#

77 0.0 24.1 36.1#

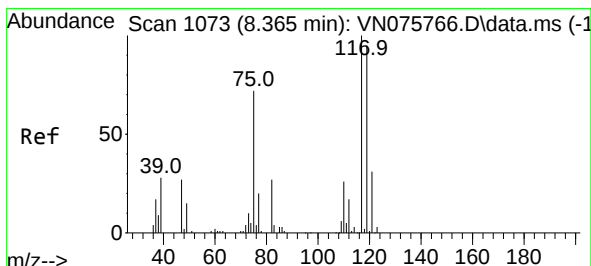
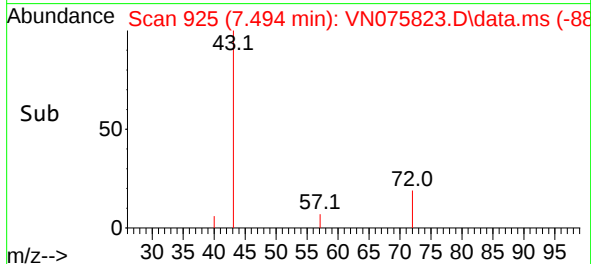
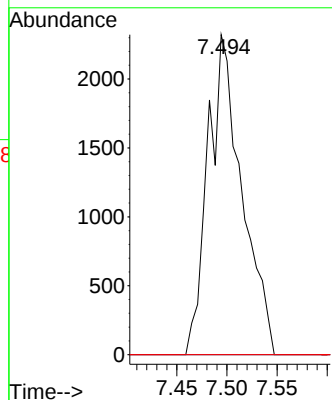
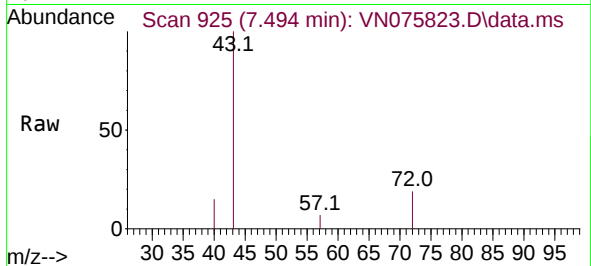




#37
Ethyl Acetate
Concen: 1.548 ug/l
RT: 7.494 min Scan# 91
Delta R.T. -0.071 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

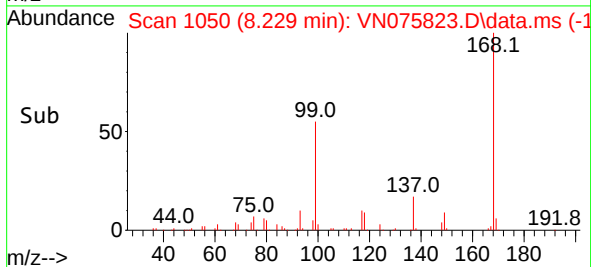
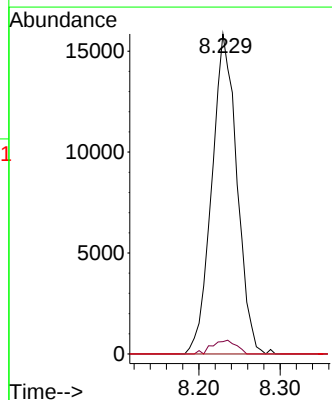
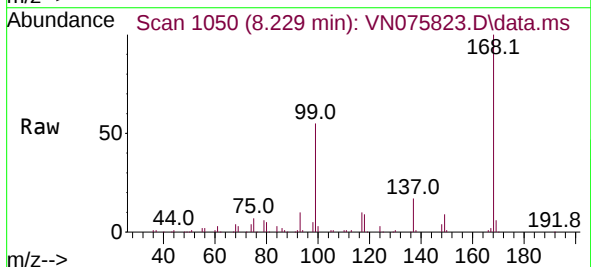
Instrument :
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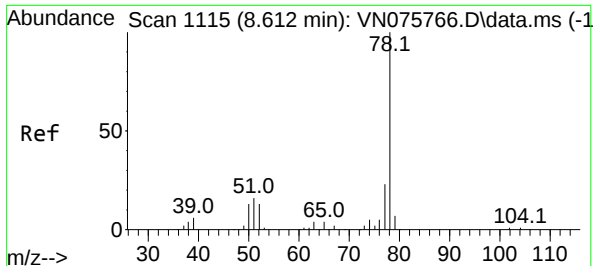
Tgt Ion: 43 Resp: 5459
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.950 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

Tgt Ion: 117 Resp: 34139
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.5 36.7#

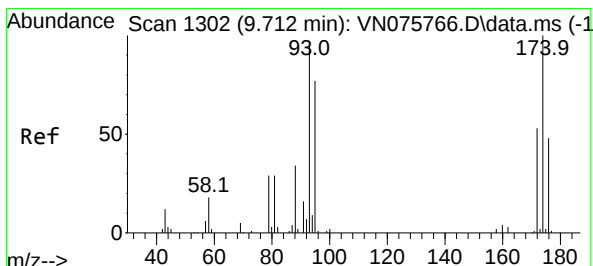
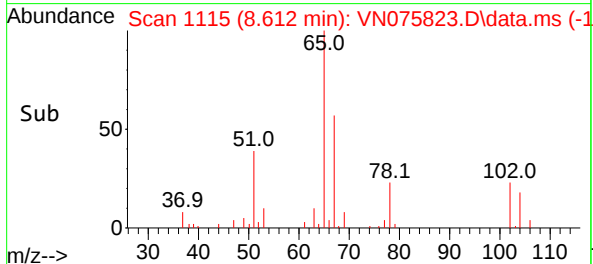
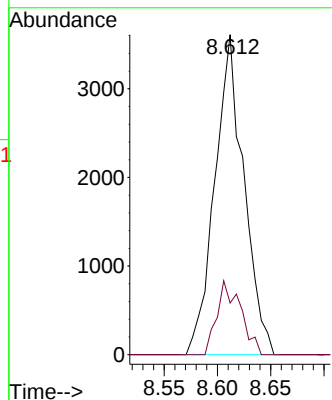
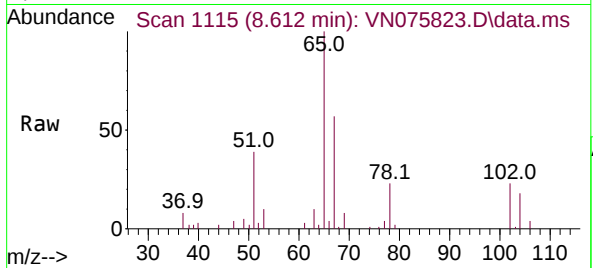




#40
Benzene
Concen: 0.506 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

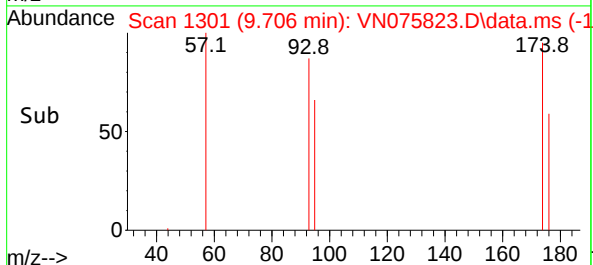
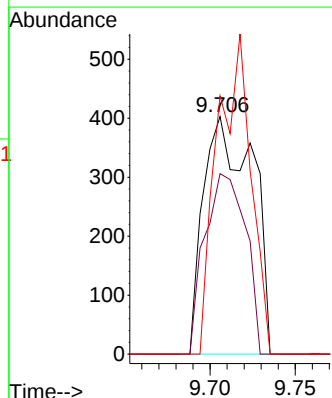
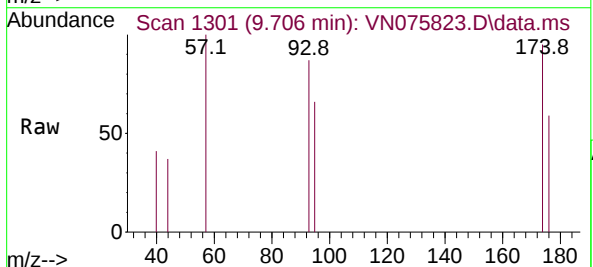
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUID-20221214

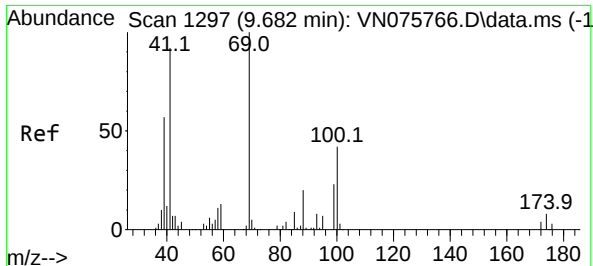
Tgt Ion: 78 Resp: 6853
Ion Ratio Lower Upper
78 100
77 16.2 18.5 27.7#



#46
Dibromomethane
Concen: 0.329 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. -0.006 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

Tgt Ion: 93 Resp: 804
Ion Ratio Lower Upper
93 100
95 63.3 65.2 97.8#
174 92.3 82.4 123.6





#48

Methyl methacrylate

Concen: 0.565 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.018 min

Lab File: VN075823.D

Acq: 15 Dec 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

WC-LIQUID-20221214

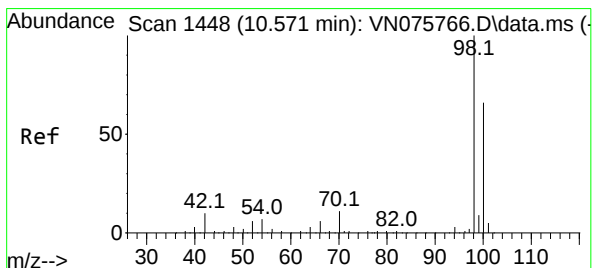
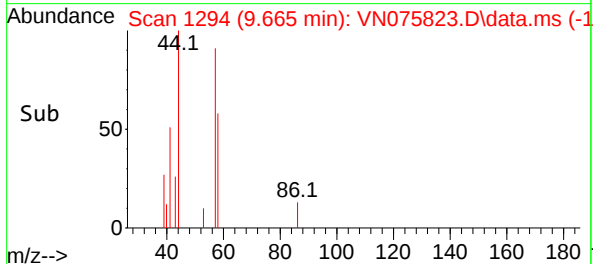
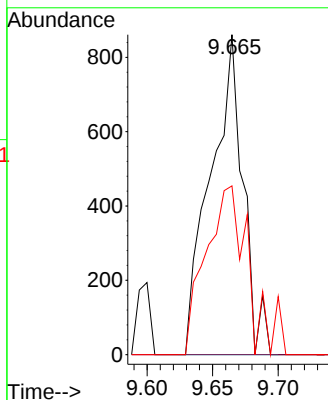
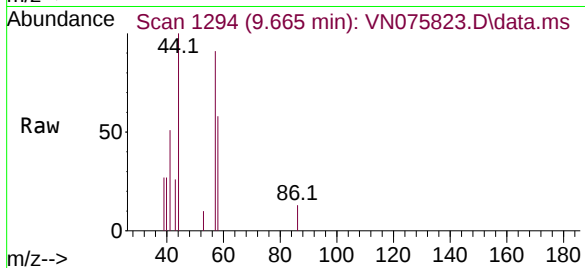
Tgt Ion: 41 Resp: 1479

Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 69.4 51.6 77.4



#50

Toluene-d8

Concen: 49.929 ug/l

RT: 10.570 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075823.D

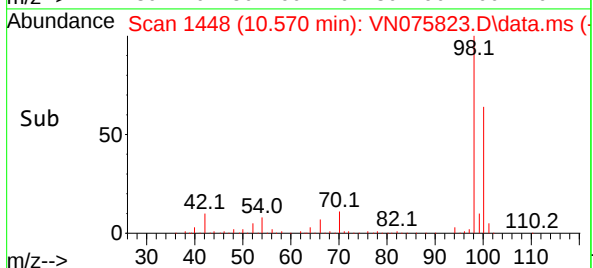
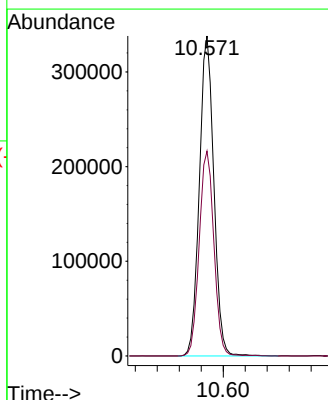
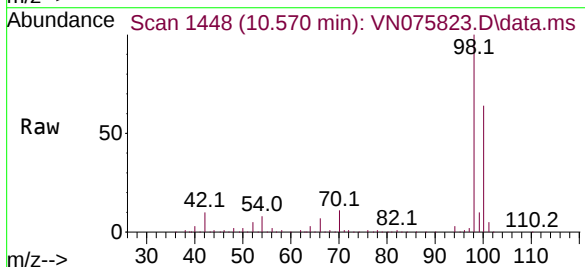
Acq: 15 Dec 2022 17:23

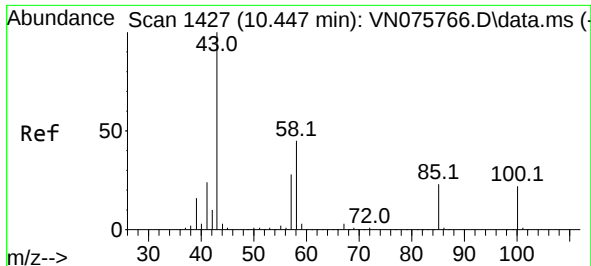
Tgt Ion: 98 Resp: 616794

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.278 ug/l

RT: 10.441 min Scan# 1426

Delta R.T. -0.006 min

Lab File: VN075823.D

Acq: 15 Dec 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

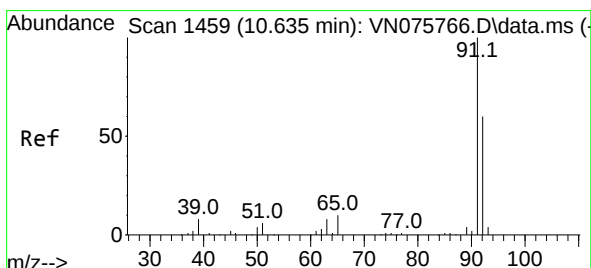
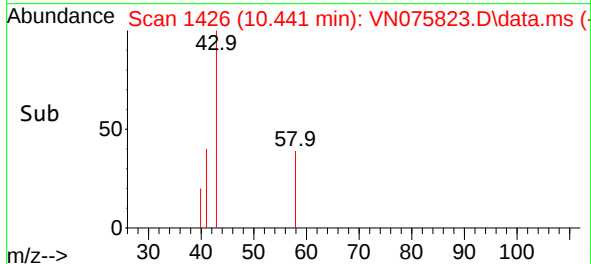
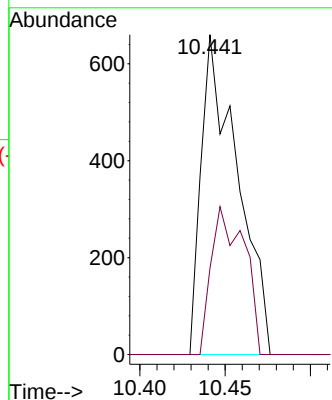
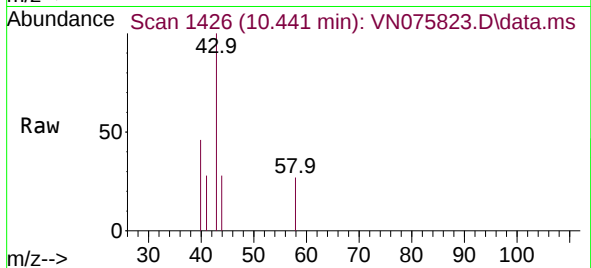
WC-LIQUID-20221214

Tgt Ion: 43 Resp: 976

Ion Ratio Lower Upper

43 100

58 42.1 35.5 53.3



#52

Toluene

Concen: 0.214 ug/l

RT: 10.647 min Scan# 1461

Delta R.T. 0.012 min

Lab File: VN075823.D

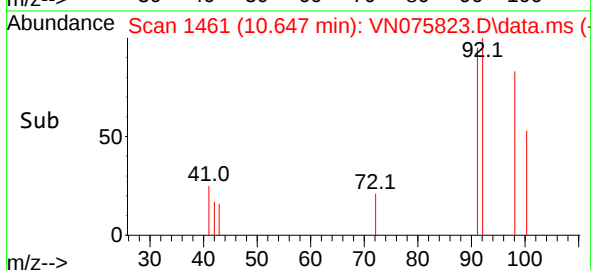
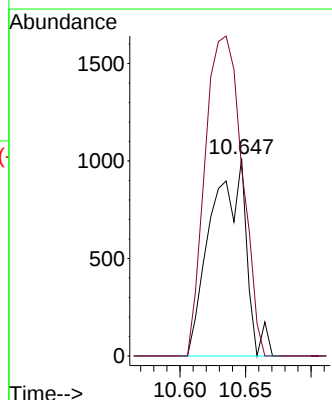
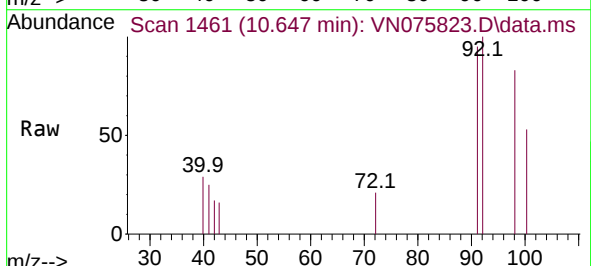
Acq: 15 Dec 2022 17:23

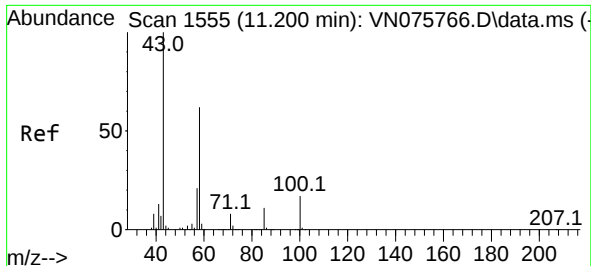
Tgt Ion: 92 Resp: 1886

Ion Ratio Lower Upper

92 100

91 170.4 137.3 205.9

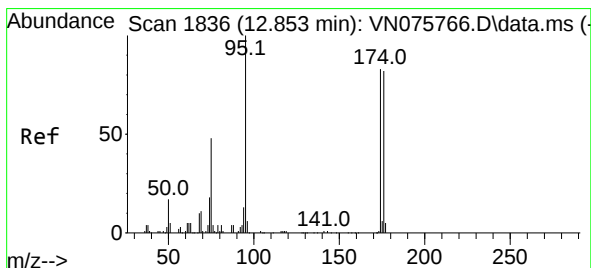
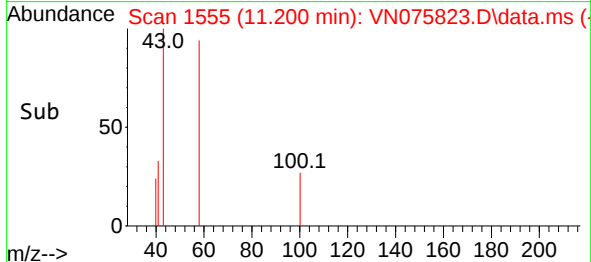
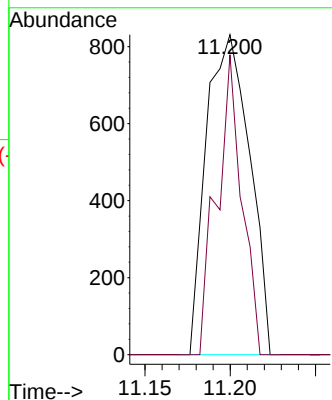
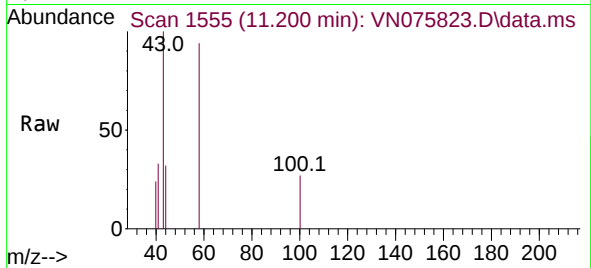




#59
2-Hexanone
Concen: 0.572 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

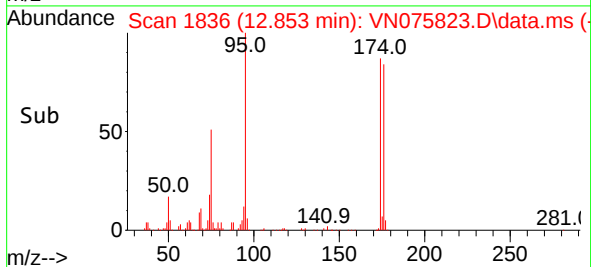
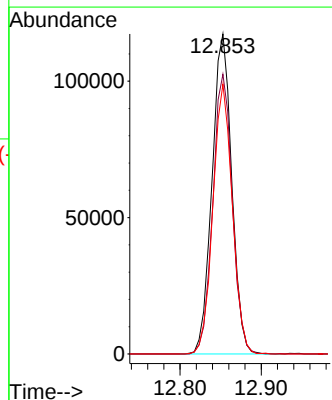
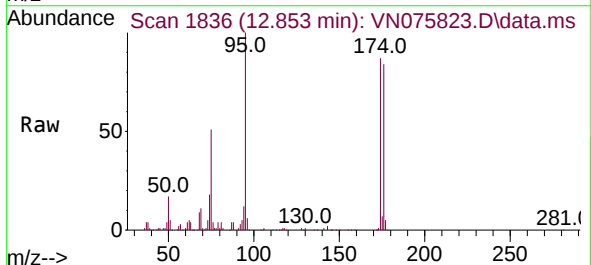
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUID-20221214

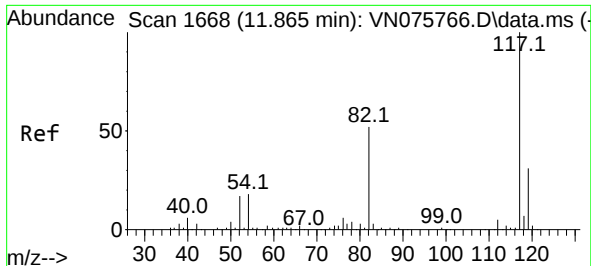
Tgt Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
58 54.2 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 48.312 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

Tgt Ion: 95 Resp: 197670
Ion Ratio Lower Upper
95 100
174 86.4 0.0 171.6
176 83.1 0.0 169.2

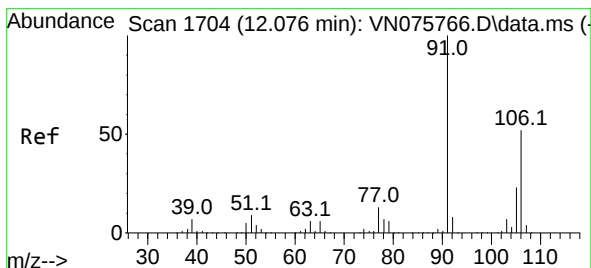
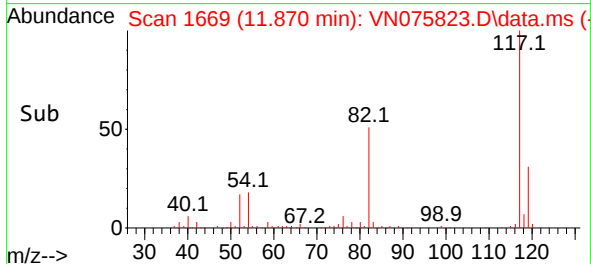
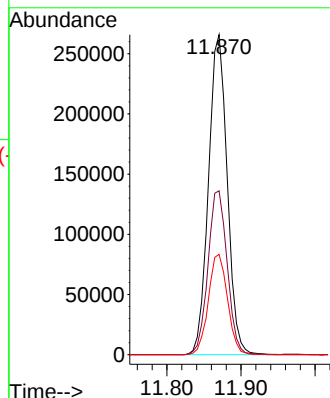
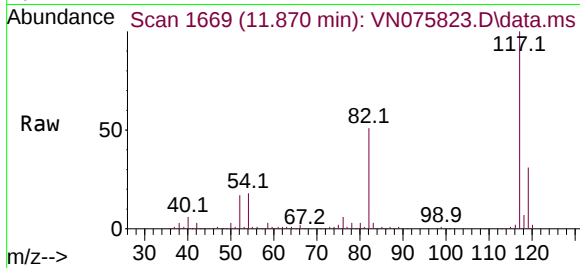




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

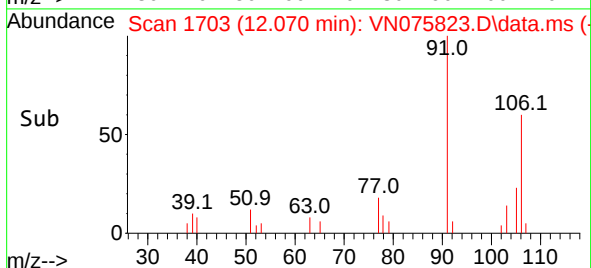
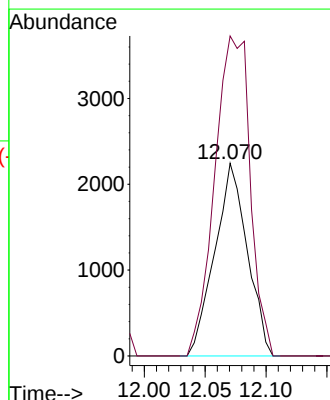
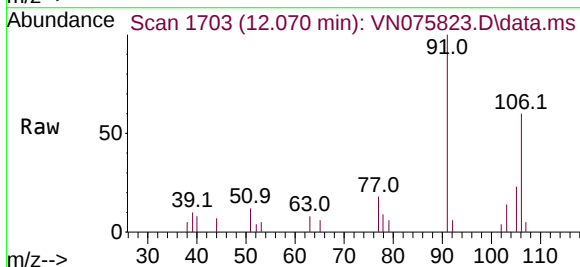
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUID-20221214

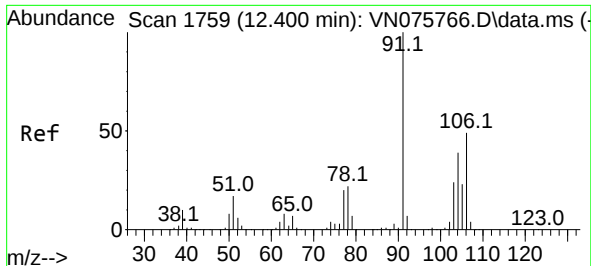
Tgt Ion:117 Resp: 466489
Ion Ratio Lower Upper
117 100
82 51.2 41.3 61.9
119 31.3 24.6 37.0



#68
m/p-Xylenes
Concen: 0.653 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

Tgt Ion:106 Resp: 4177
Ion Ratio Lower Upper
106 100
91 180.8 156.6 235.0

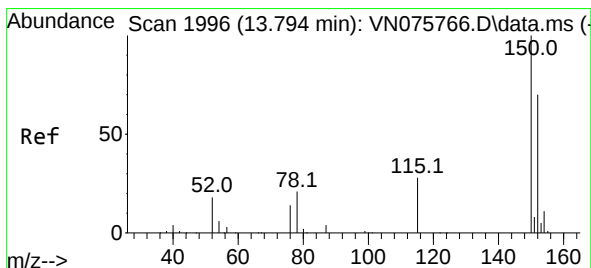
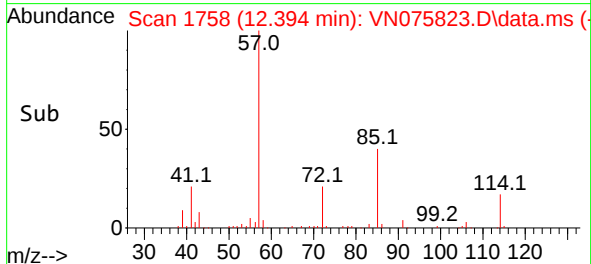
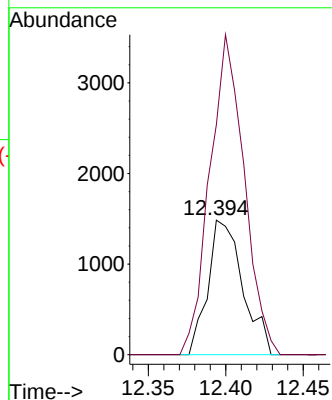
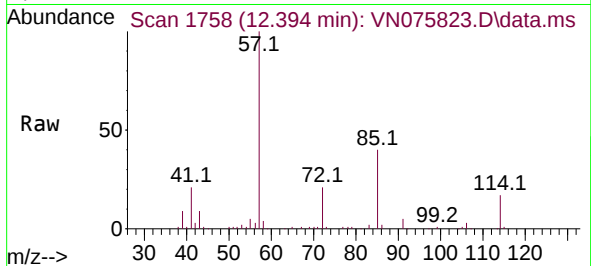




#69
o-Xylene
Concen: 0.367 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

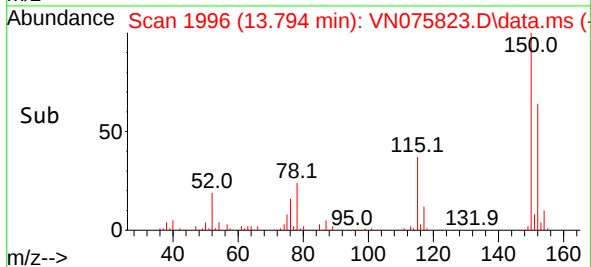
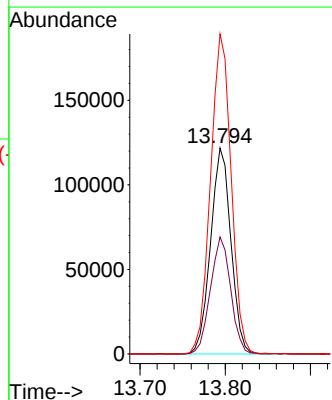
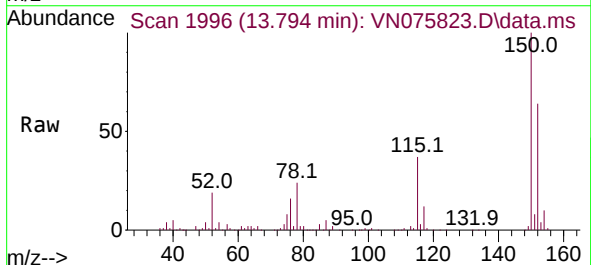
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUID-20221214

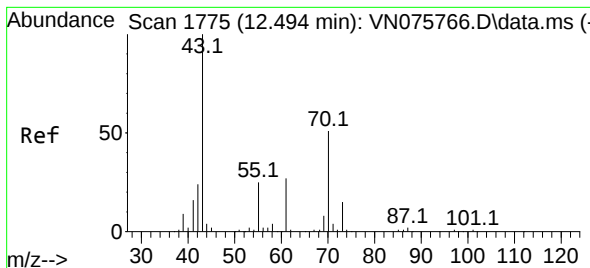
Tgt Ion:106 Resp: 2321
Ion Ratio Lower Upper
106 100
91 235.3 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

Tgt Ion:152 Resp: 201864
Ion Ratio Lower Upper
152 100
115 56.5 29.1 87.4
150 157.5 0.0 347.0





#74

N-amy1 acetate

Concen: 3.558 ug/l

RT: 12.464 min Scan# 1

Delta R.T. -0.030 min

Lab File: VN075823.D

Acq: 15 Dec 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

WC-LIQUID-20221214

Tgt Ion: 43 Resp: 15226

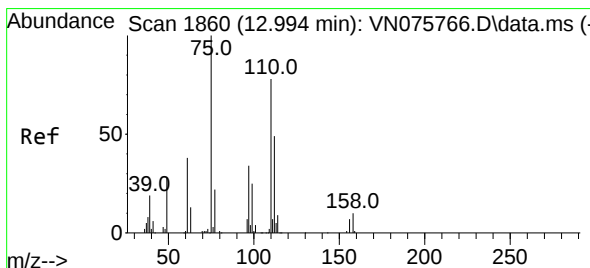
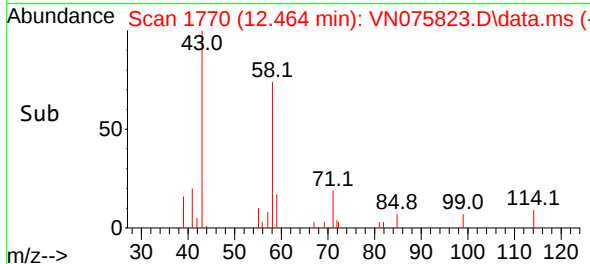
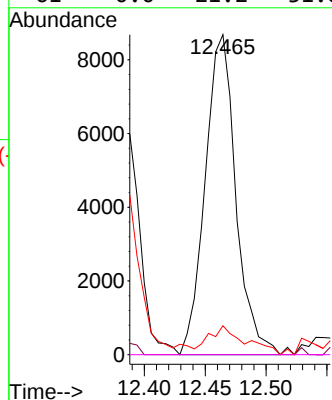
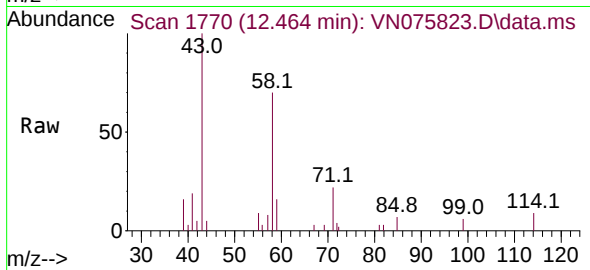
Ion Ratio Lower Upper

43 100

70 0.0 41.4 62.0#

55 10.6 21.3 31.9#

61 0.0 21.2 31.8#



#76

1,2,3-Trichloropropane

Concen: 24.788 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075823.D

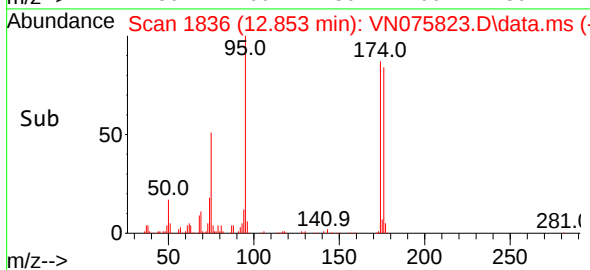
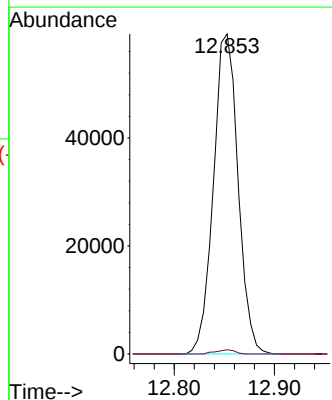
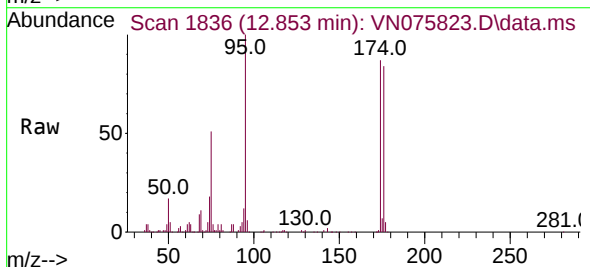
Acq: 15 Dec 2022 17:23

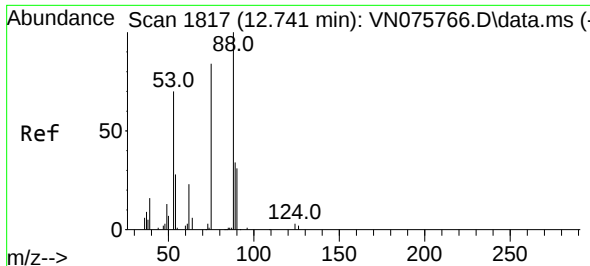
Tgt Ion: 75 Resp: 100865

Ion Ratio Lower Upper

75 100

77 1.0 82.6 247.8#

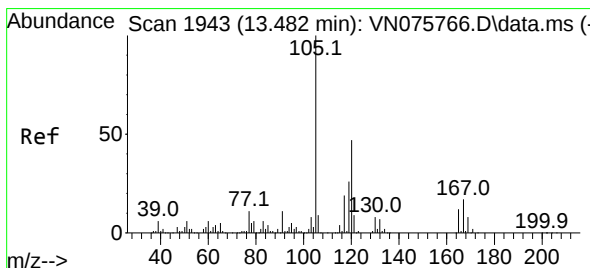
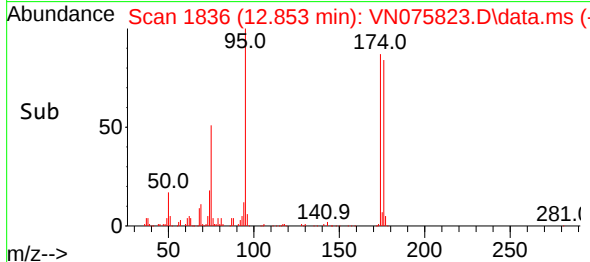
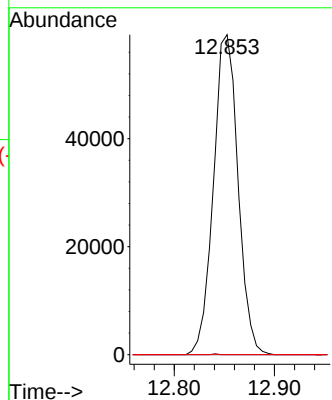
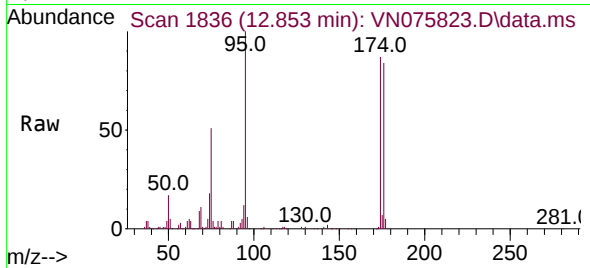




#81
trans-1,4-Dichloro-2-butene
Concen: 89.225 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

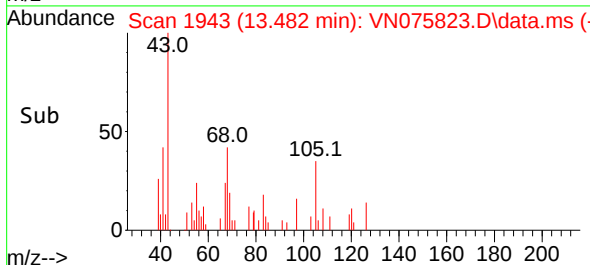
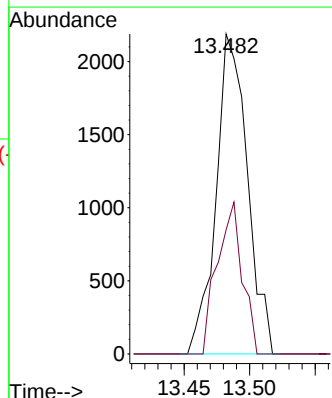
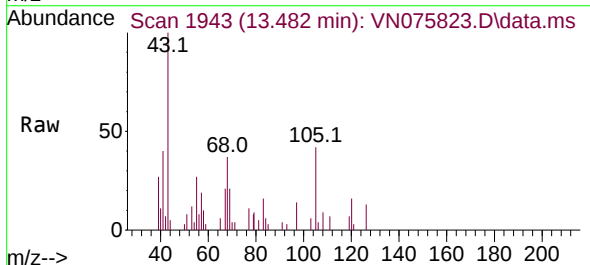
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUID-20221214

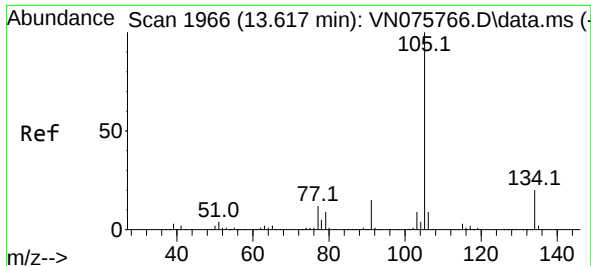
Tgt Ion: 75 Resp: 100865
Ion Ratio Lower Upper
75 100
53 0.1 73.8 110.6#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.300 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN075823.D
Acq: 15 Dec 2022 17:23

Tgt Ion: 105 Resp: 3632
Ion Ratio Lower Upper
105 100
120 37.9 23.3 69.8

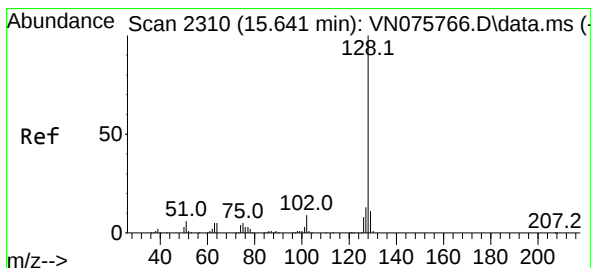
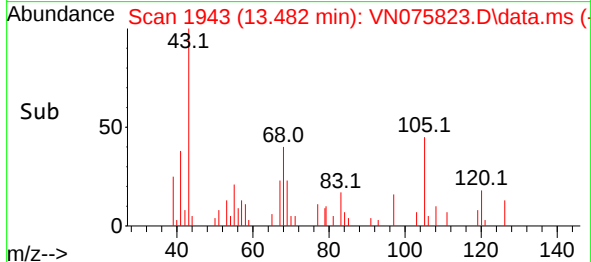
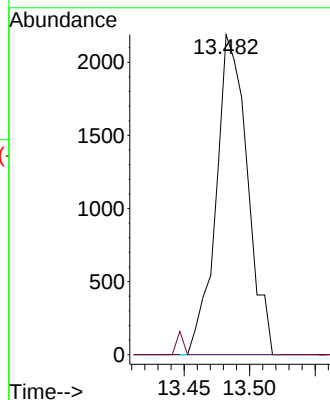
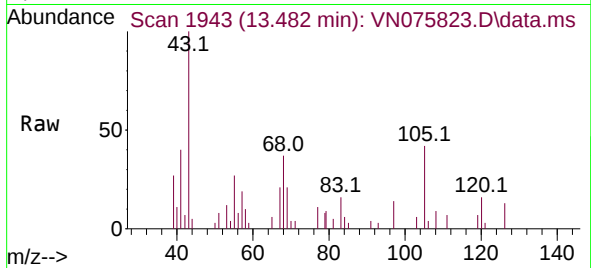




#85
 sec-Butylbenzene
 Concen: 0.244 ug/l
 RT: 13.482 min Scan# 1943
 Delta R.T. -0.135 min
 Lab File: VN075823.D
 Acq: 15 Dec 2022 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-LIQUID-20221214

Tgt Ion:105 Resp: 3632
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#95
 Naphthalene
 Concen: 3.439 ug/l
 RT: 15.641 min Scan# 2310
 Delta R.T. -0.000 min
 Lab File: VN075823.D
 Acq: 15 Dec 2022 17:23

Tgt Ion:128 Resp: 14489
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.4 15.6
 129 9.8 8.7 13.1

