

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)

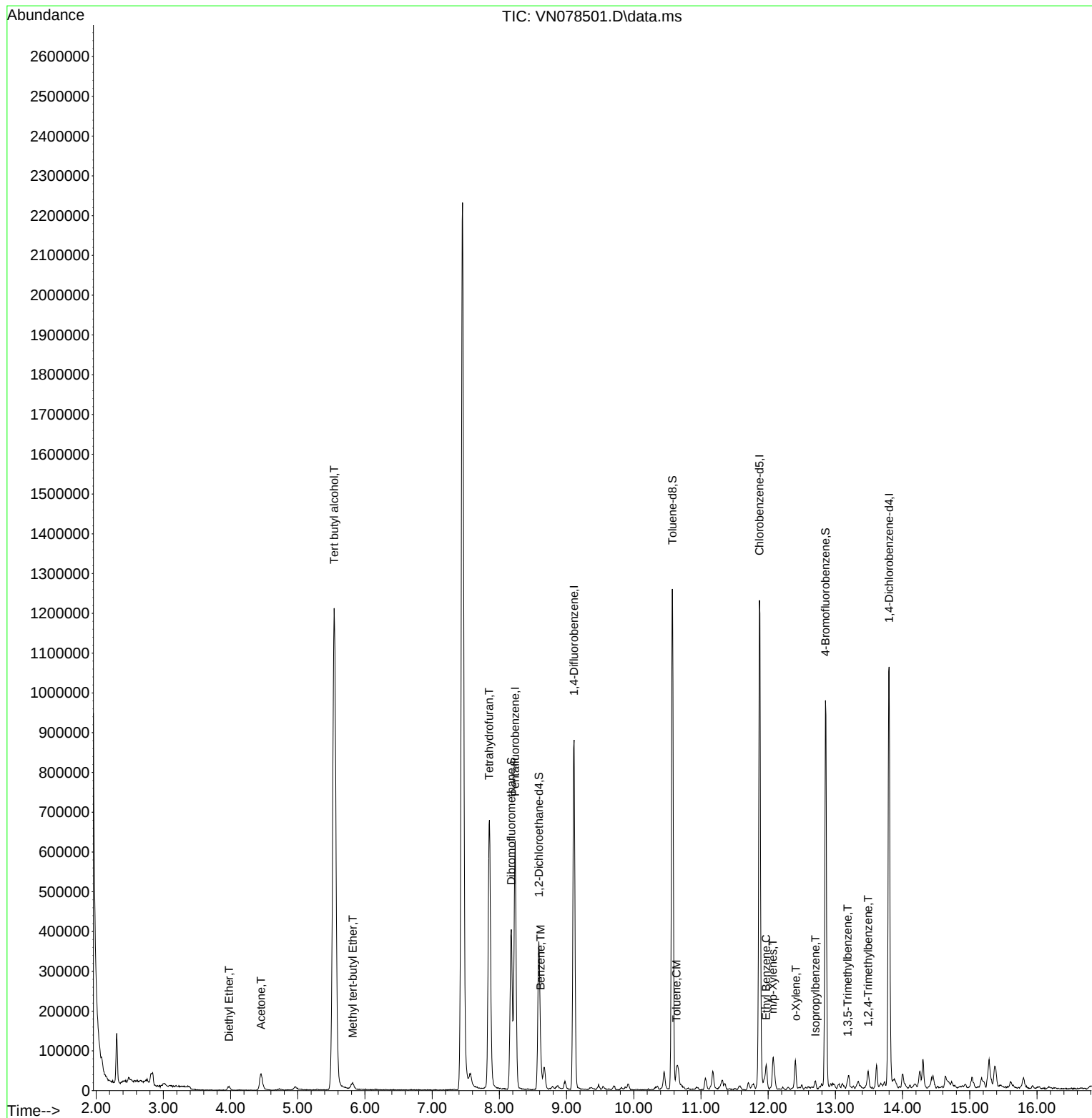
Internal Standards						
1) Pentafluorobenzene	8.236	168	443087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	787304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	742619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	293729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
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
16) Acetone	4.453	43	56304	30.429	ug/l	91
19) Methyl tert-butyl Ether	5.818	73	23200	1.506	ug/l	92
29) Tetrahydrofuran	7.847	42	504018	263.719	ug/l	86
40) Benzene	8.612	78	34140	1.493	ug/l	95
52) Toluene	10.635	92	20875	1.473	ug/l	96
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
73) Isopropylbenzene	12.706	105	11635	0.422	ug/l	96
80) 1,3,5-Trimethylbenzene	13.182	105	6647	0.305	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	21071	0.995	ug/l	98

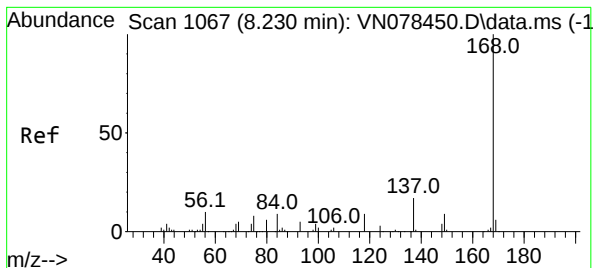
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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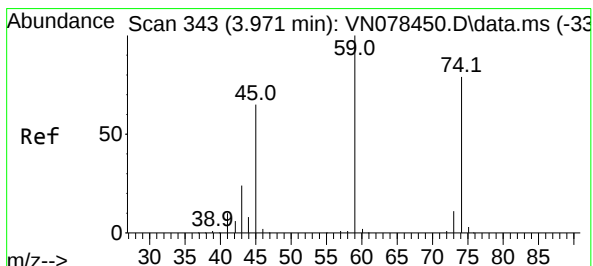
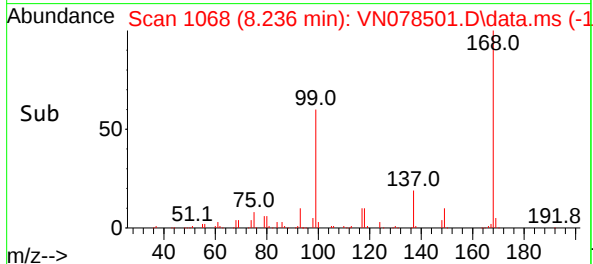
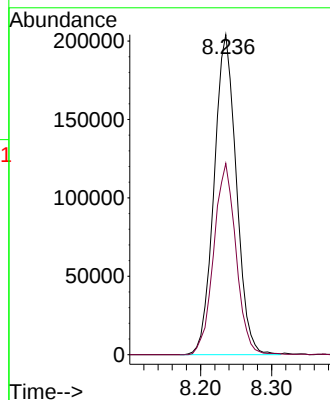
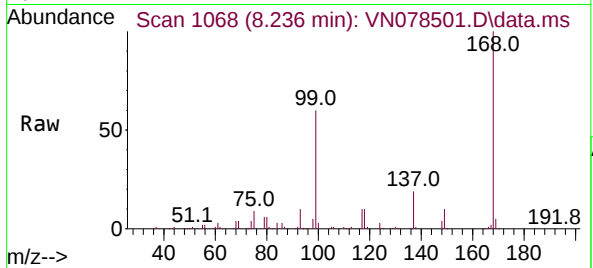




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

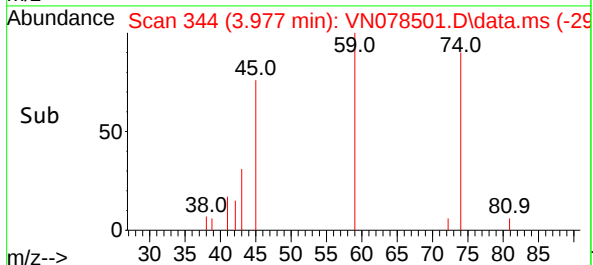
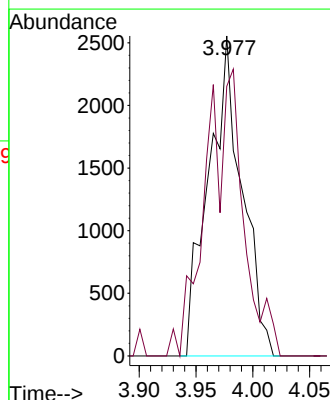
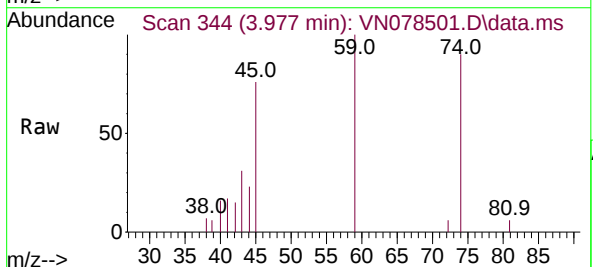
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

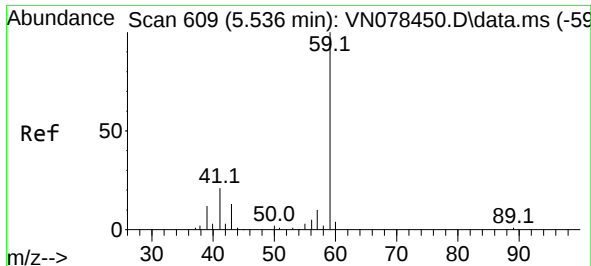
Tgt Ion:168 Resp: 443087
Ion Ratio Lower Upper
168 100
99 59.8 53.0 79.6



#8
Diethyl Ether
Concen: 1.718 ug/l
RT: 3.977 min Scan# 344
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

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

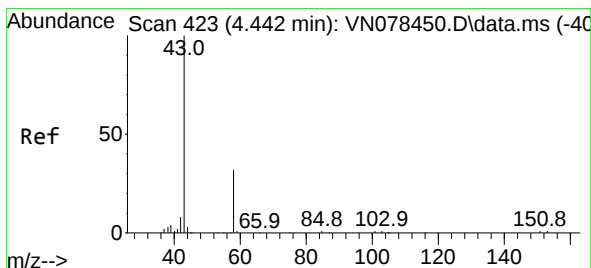
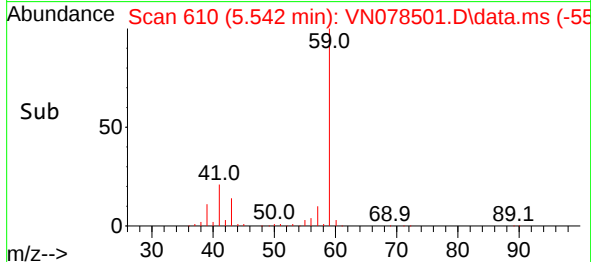
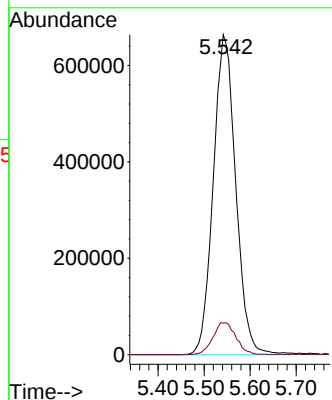
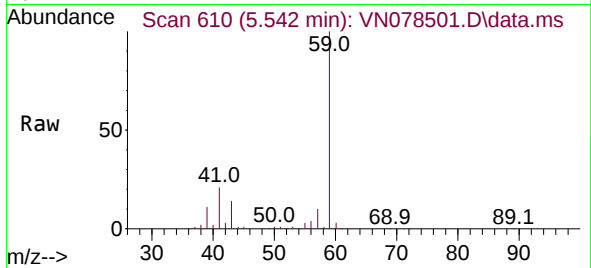




#11
Tert butyl alcohol
Concen: 2447.144 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

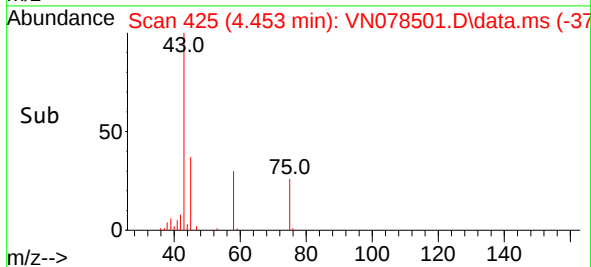
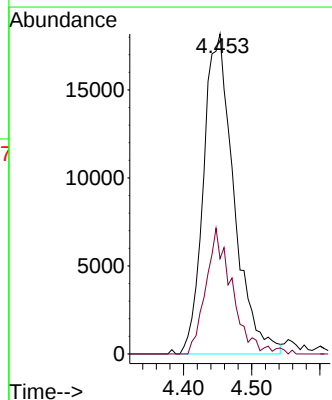
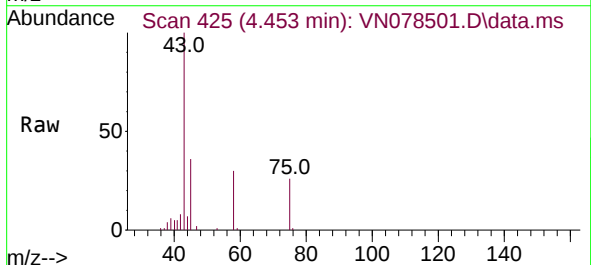
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

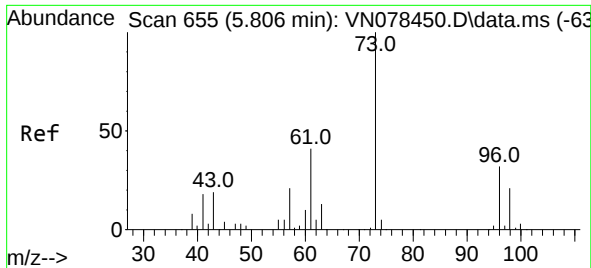
Tgt Ion: 59 Resp: 2241519
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4



#16
Acetone
Concen: 30.429 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

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

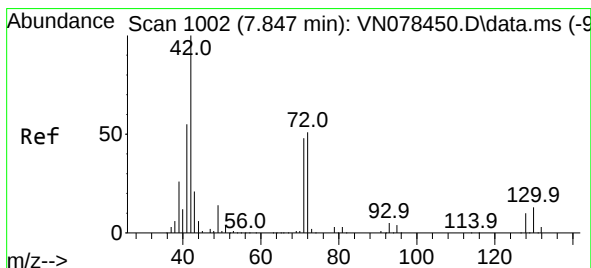
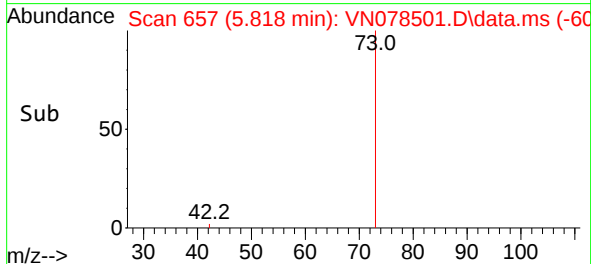
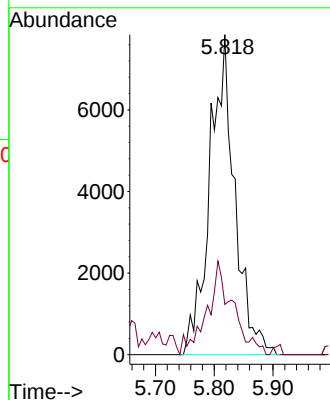
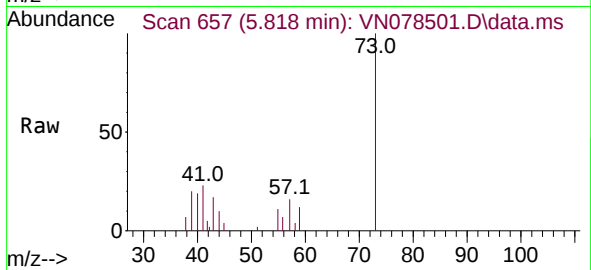




#19
Methyl tert-butyl Ether
Concen: 1.506 ug/l
RT: 5.818 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

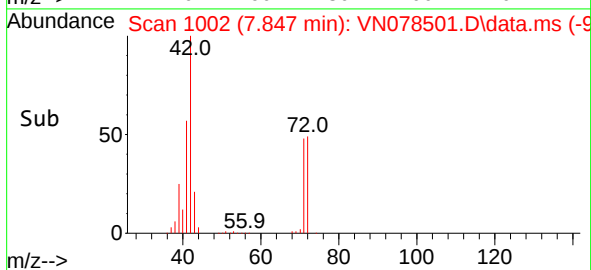
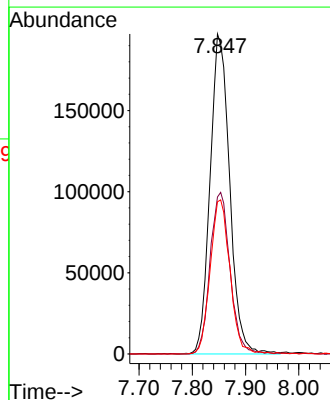
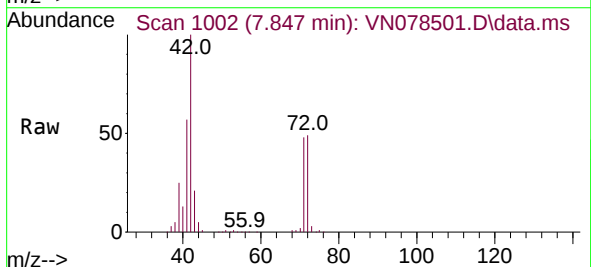
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

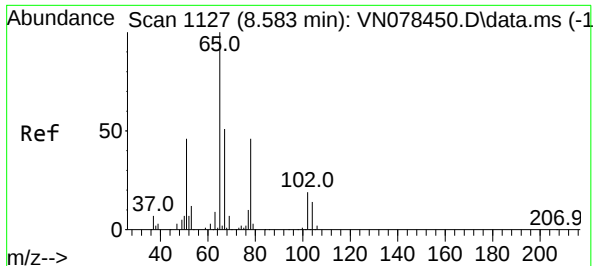
Tgt Ion: 73 Resp: 23200
Ion Ratio Lower Upper
73 100
57 15.7 15.6 23.4



#29
Tetrahydrofuran
Concen: 263.719 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

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





#33

1,2-Dichloroethane-d4

Concen: 48.501 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN078501.D

Acq: 13 Jul 2023 16:13

Instrument :

MSVOA_N

ClientSampleId :

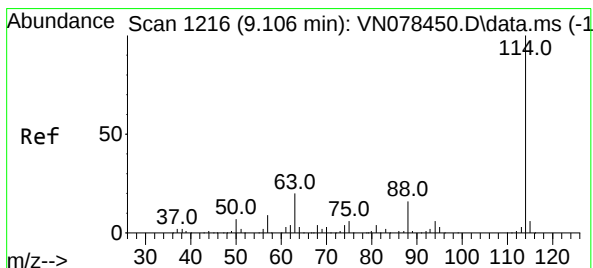
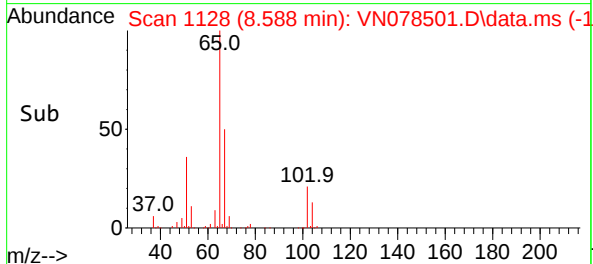
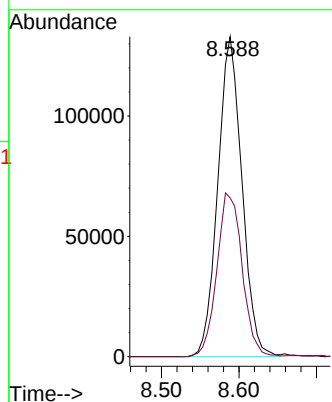
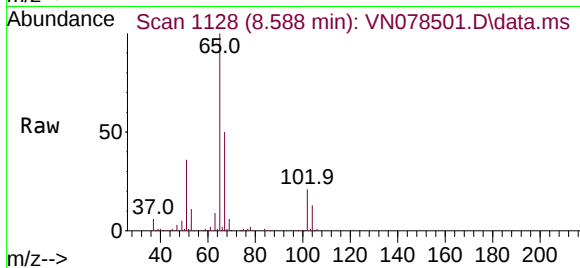
230712062-02-VOA

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

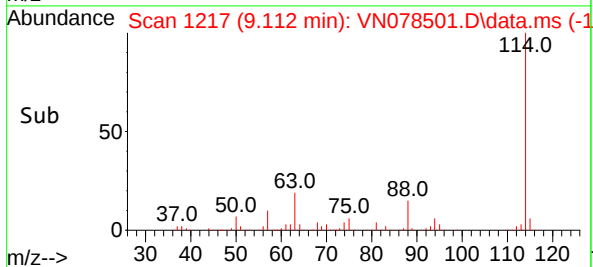
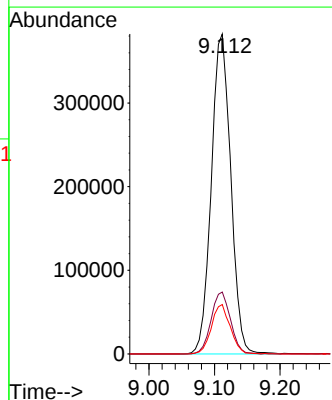
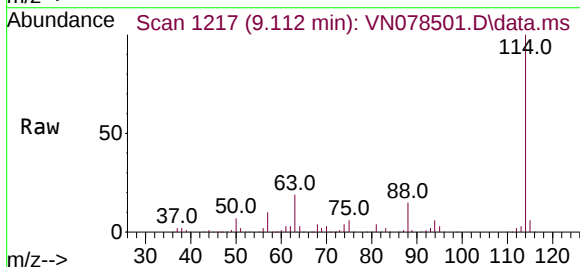
Tgt Ion: 114 Resp: 787304

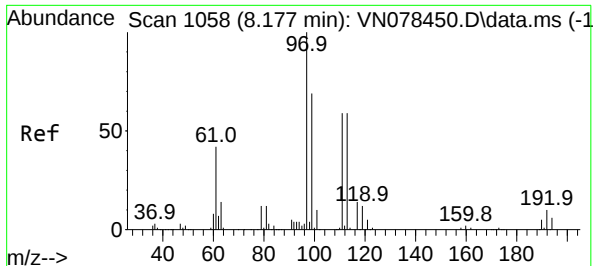
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 15.4 0.0 30.6

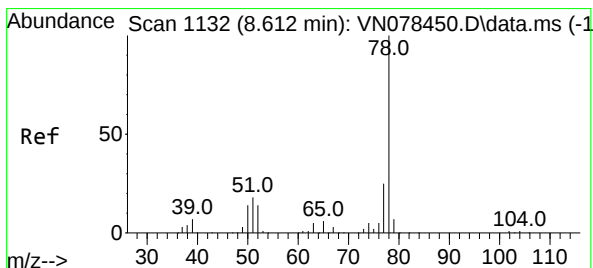
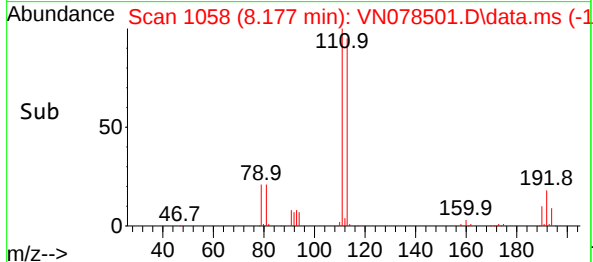
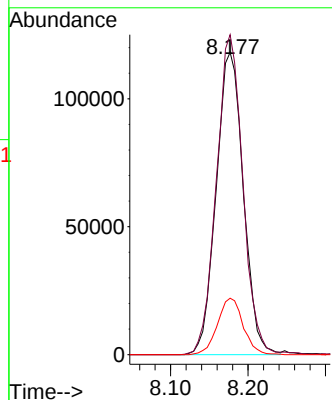
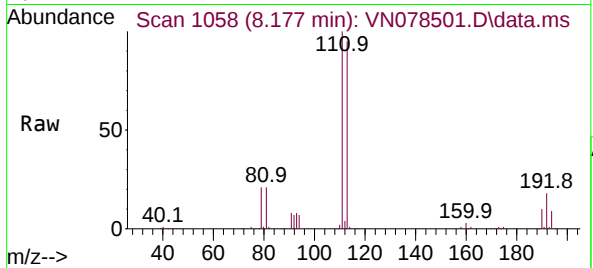




#35
Dibromofluoromethane
Concen: 53.869 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

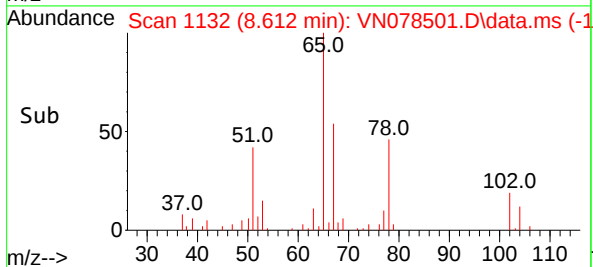
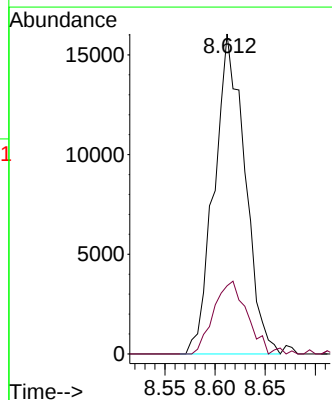
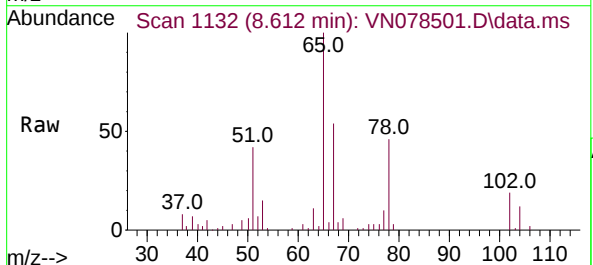
Instrument :
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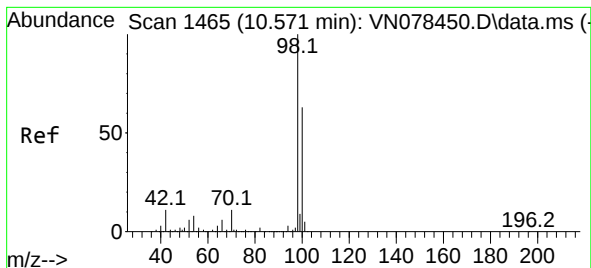
Tgt Ion:113 Resp: 287900
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.7 12.7 19.1



#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

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

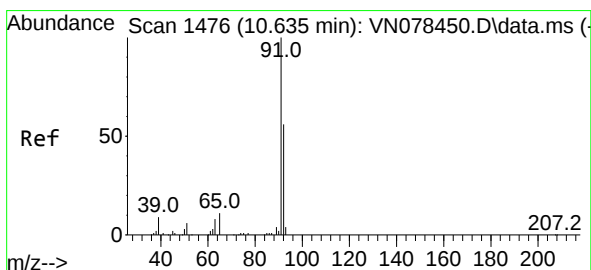
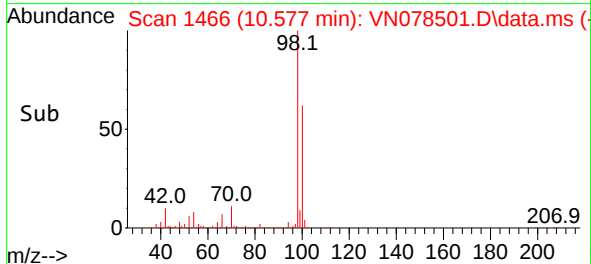
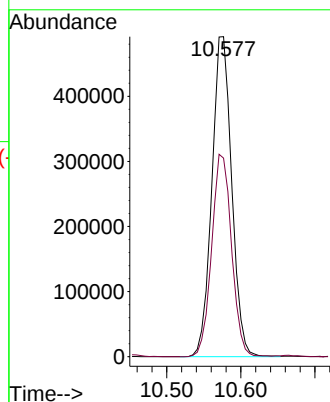
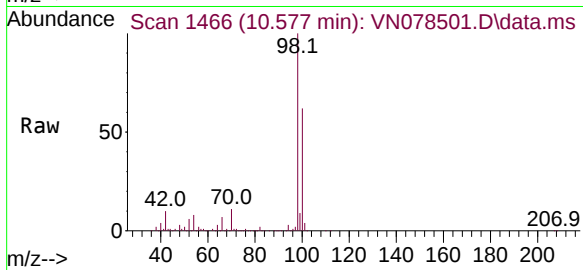




#50
Toluene-d8
Concen: 45.291 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

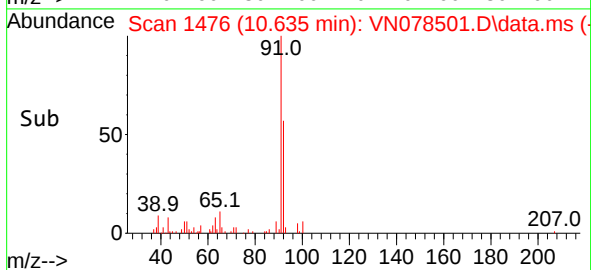
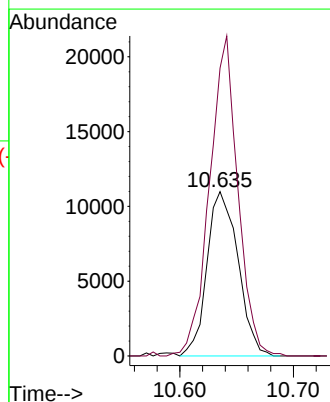
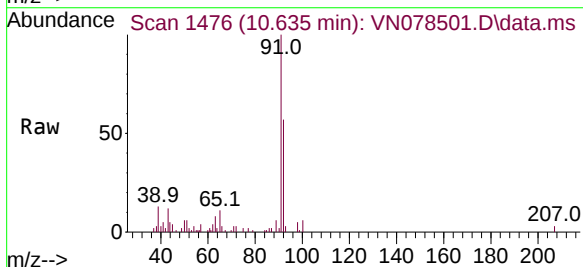
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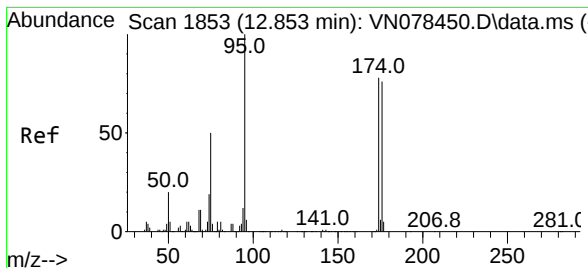
Tgt Ion: 98 Resp: 914415
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#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

Tgt Ion: 92 Resp: 20875
Ion Ratio Lower Upper
92 100
91 177.5 137.4 206.0

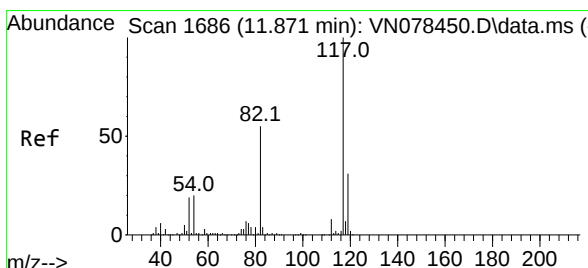
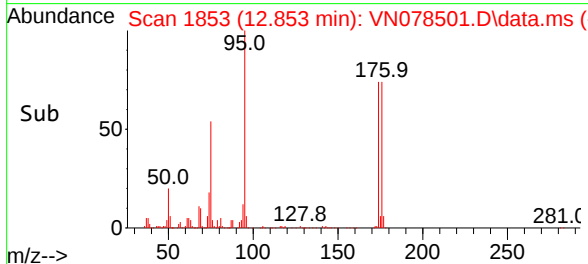
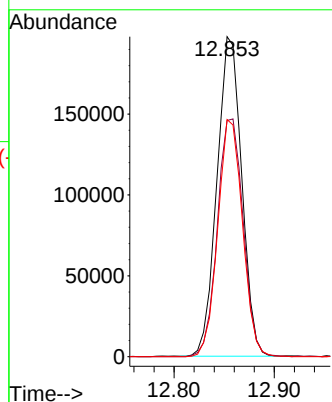
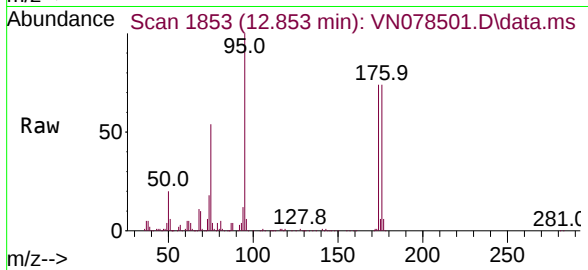




#62
4-Bromofluorobenzene
Concen: 54.487 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

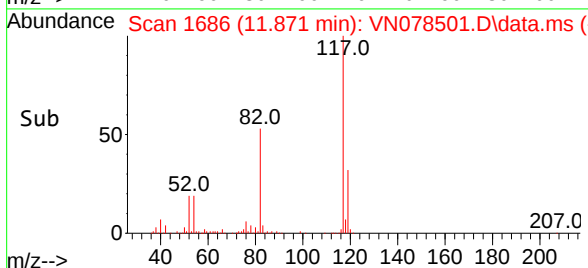
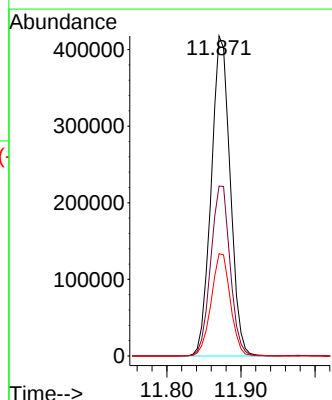
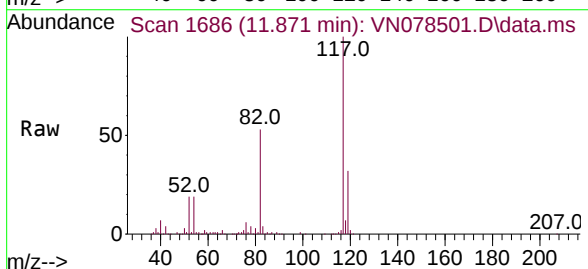
Instrument :
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230712062-02-VOA

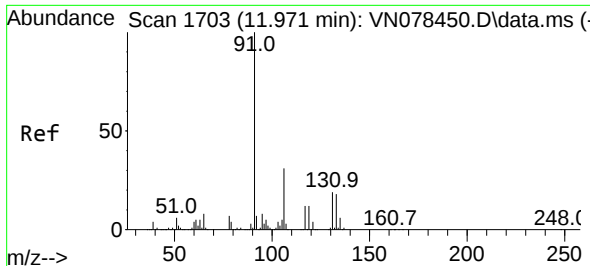
Tgt Ion: 95 Resp: 338848
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.8
176 74.1 0.0 135.8



#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

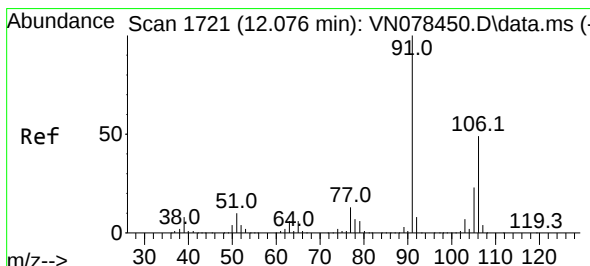
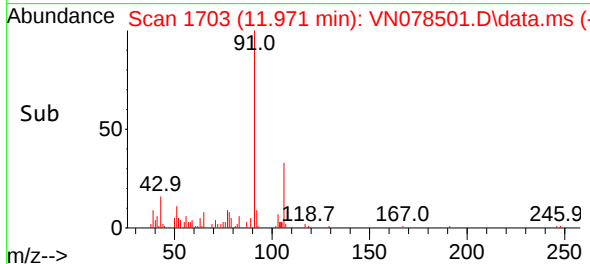
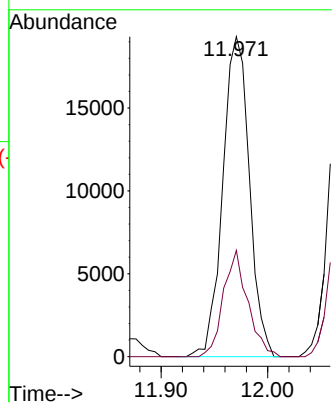
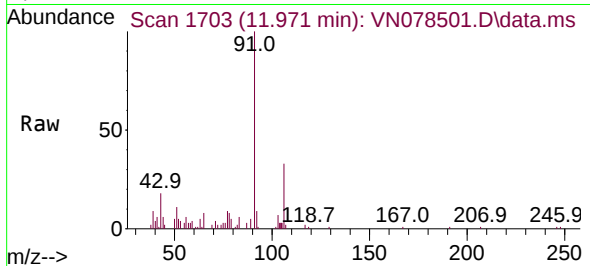




#67
Ethyl Benzene
Concen: 1.195 ug/l
RT: 11.971 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

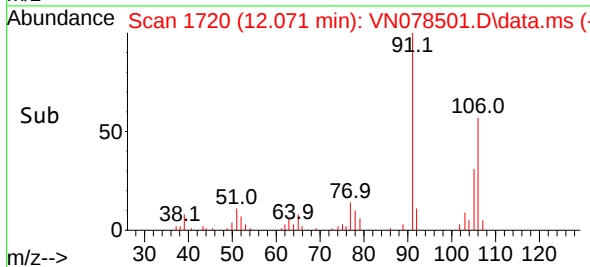
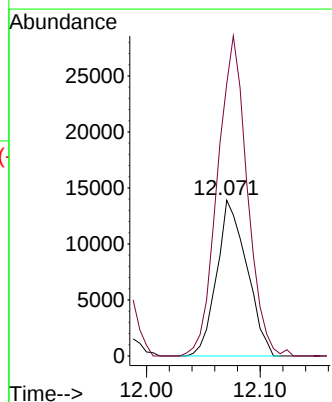
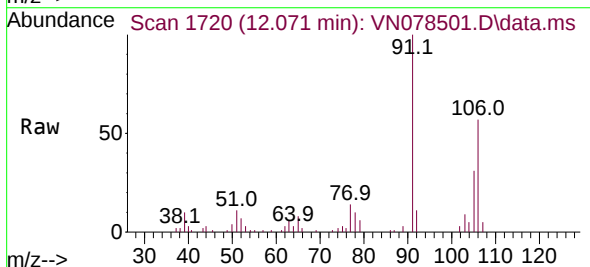
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

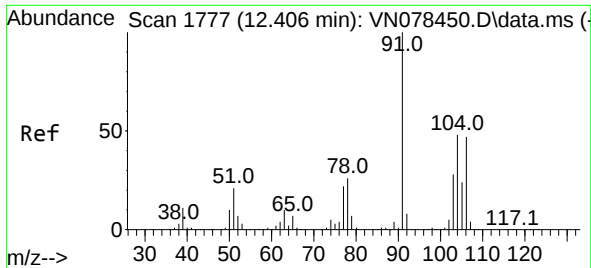
Tgt Ion: 91 Resp: 33526
Ion Ratio Lower Upper
91 100
106 33.2 25.6 38.4



#68
m/p-Xylenes
Concen: 2.470 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.005 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

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

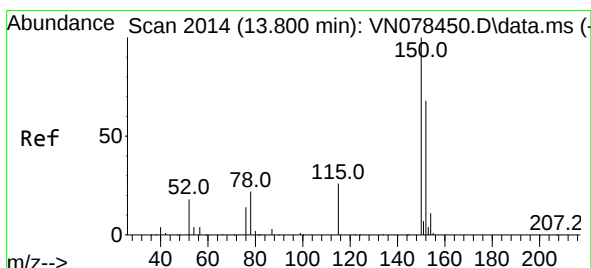
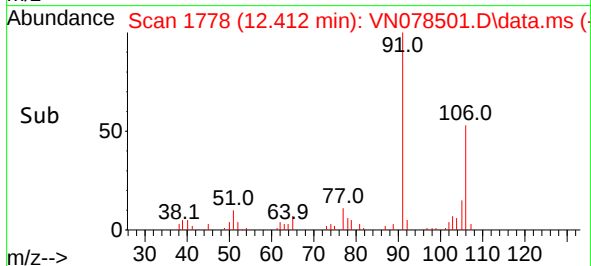
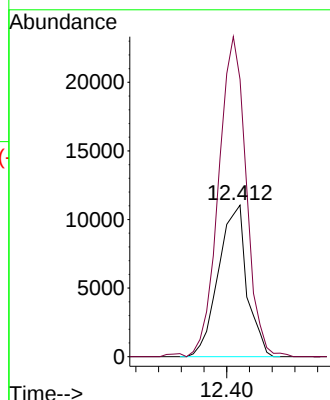
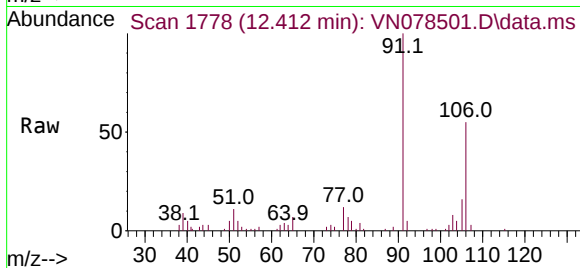




#69
o-Xylene
Concen: 1.835 ug/l
RT: 12.412 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

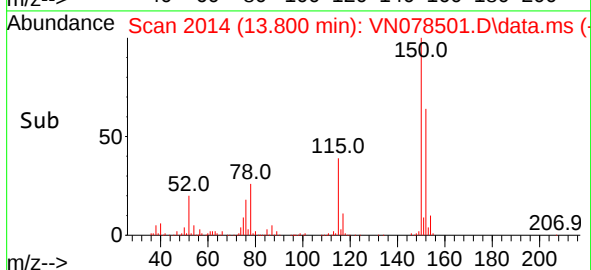
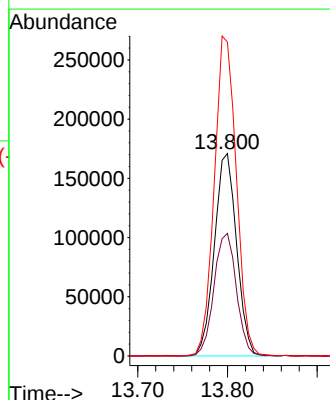
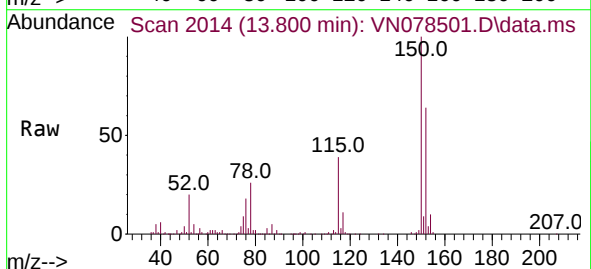
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

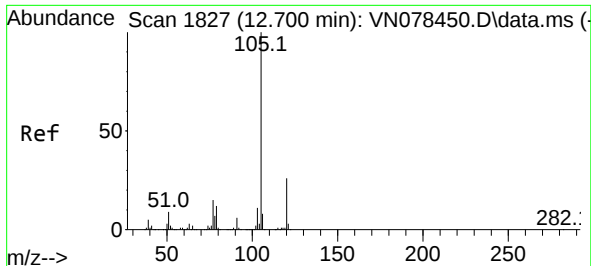
Tgt Ion:106 Resp: 19231
Ion Ratio Lower Upper
106 100
91 204.7 105.2 315.5



#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

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

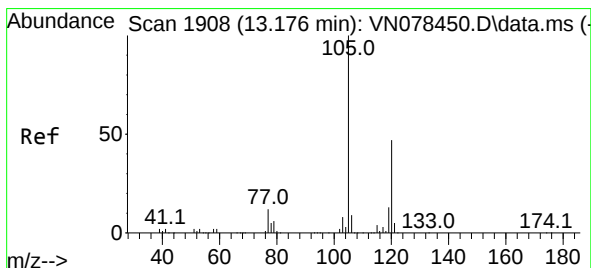
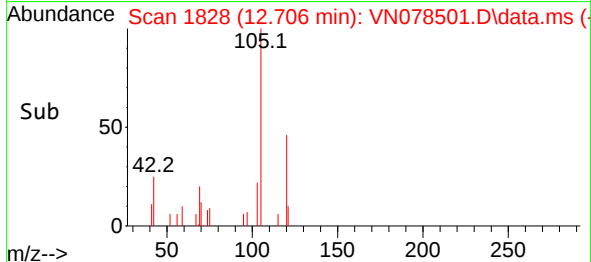
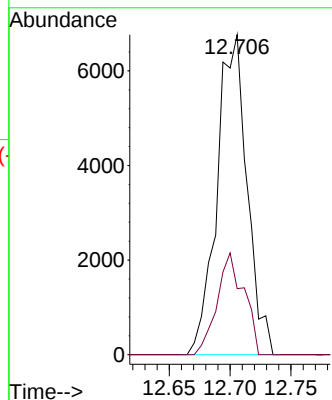
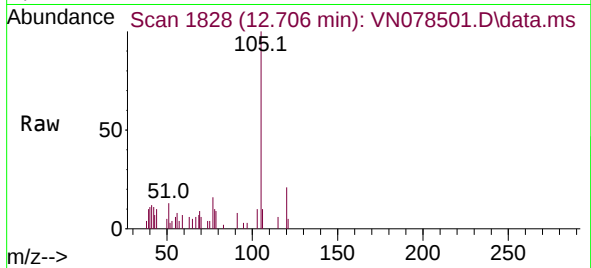




#73
Isopropylbenzene
Concen: 0.422 ug/l
RT: 12.706 min Scan# 11635
Delta R.T. 0.006 min
Lab File: VN078501.D
Acq: 13 Jul 2023 16:13

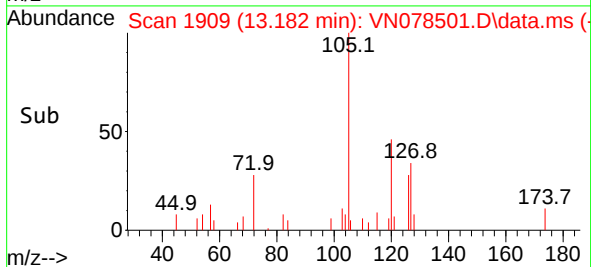
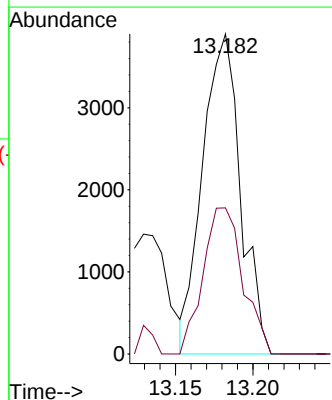
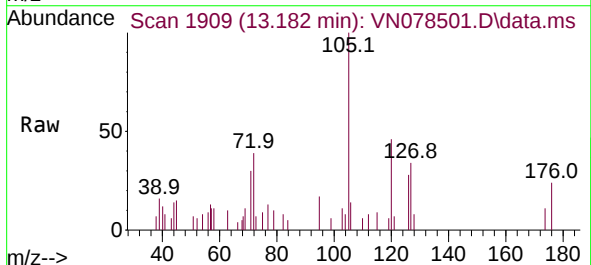
Instrument :
MSVOA_N
ClientSampleId :
230712062-02-VOA

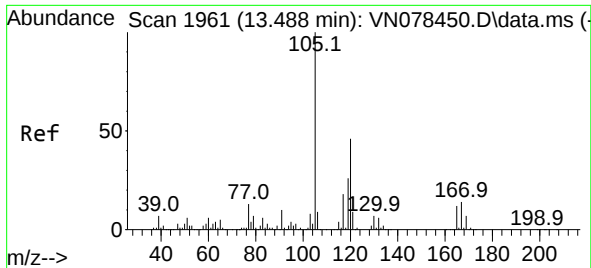
Tgt Ion:105 Resp: 11635
Ion Ratio Lower Upper
105 100
120 28.3 13.1 39.1



#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





#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

Instrument :
 MSVOA_N
 ClientSampleId :
 230712062-02-VOA

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

