

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080967.D
 Acq On : 08 Feb 2024 16:34
 Operator : JC\MD
 Sample : P1415-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240207098-02-VOA

Quant Time: Feb 09 01:23:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

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

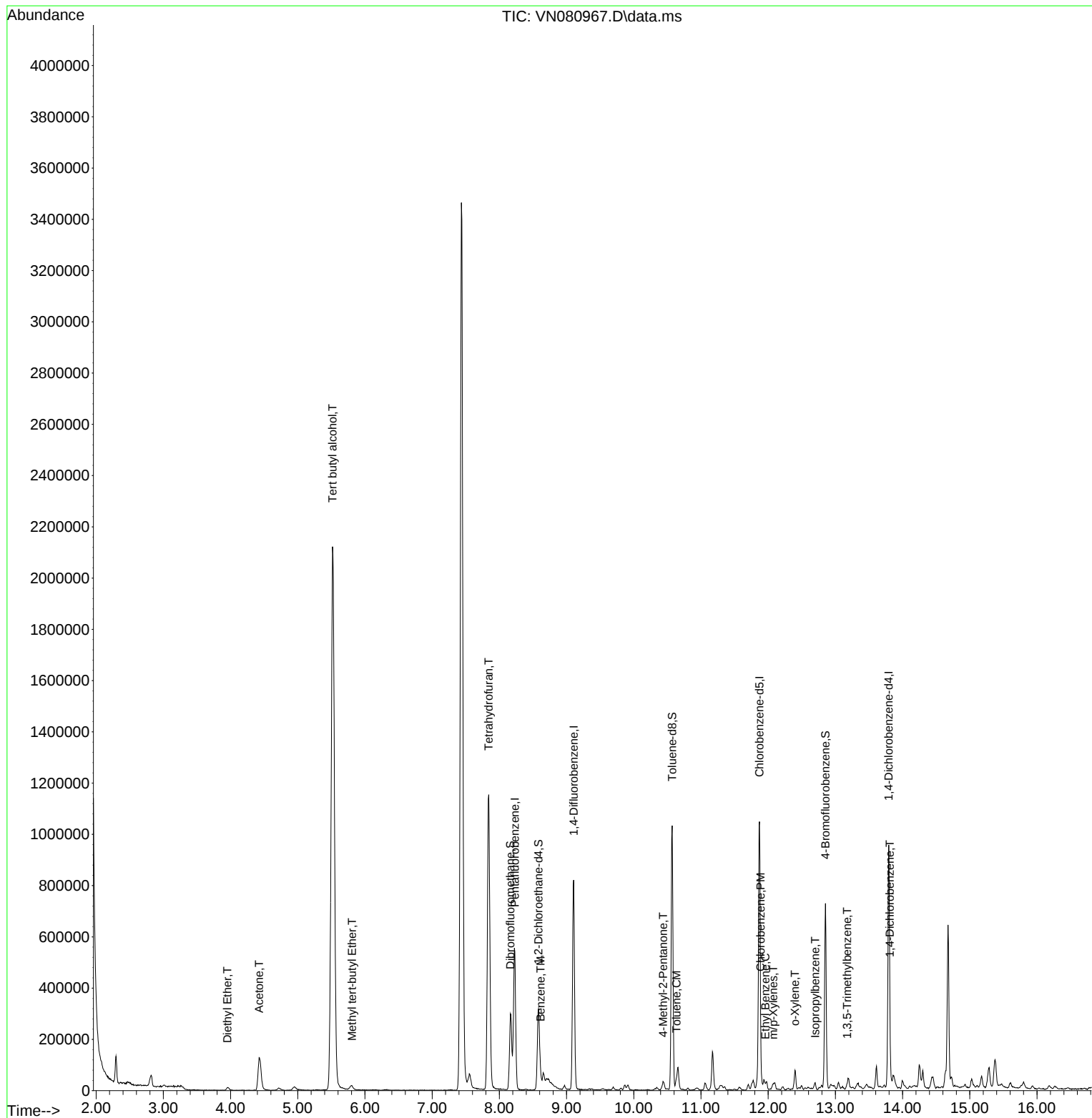
Internal Standards						
1) Pentafluorobenzene	8.229	168	386309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	721667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	628042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	244892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	249482	51.194	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.380%	
35) Dibromofluoromethane	8.165	113	215492	55.647	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.300%	
50) Toluene-d8	10.570	98	714906	51.039	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	12.853	95	244017	47.955	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.920%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.953	74	6710	2.509	ug/l	87
11) Tert butyl alcohol	5.518	59	4072145	6064.673	ug/l	99
16) Acetone	4.424	43	207606	129.486	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	25361	1.838	ug/l	91
29) Tetrahydrofuran	7.841	42	854192	542.902	ug/l #	77
40) Benzene	8.612	78	42692	2.435	ug/l	99
51) 4-Methyl-2-Pentanone	10.435	43	24110	4.991	ug/l #	80
52) Toluene	10.635	92	13745	1.170	ug/l	98
65) Chlorobenzene	11.888	112	9388	0.713	ug/l	91
67) Ethyl Benzene	11.959	91	8773	0.387	ug/l	94
68) m/p-Xylenes	12.076	106	7826	0.909	ug/l	83
69) o-Xylene	12.400	106	18319	2.192	ug/l	97
73) Isopropylbenzene	12.700	105	10177	0.534	ug/l	90
80) 1,3,5-Trimethylbenzene	13.176	105	6391	0.413	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	16305	1.877	ug/l	83

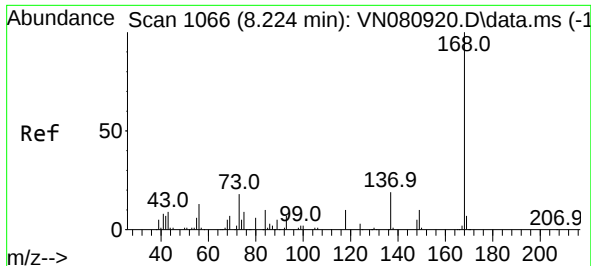
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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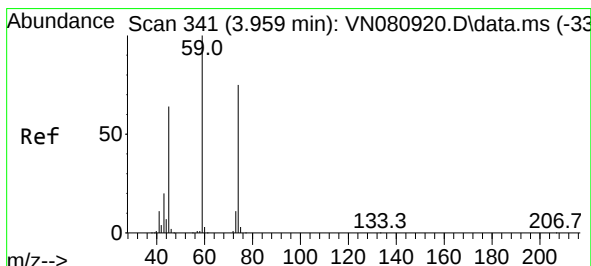
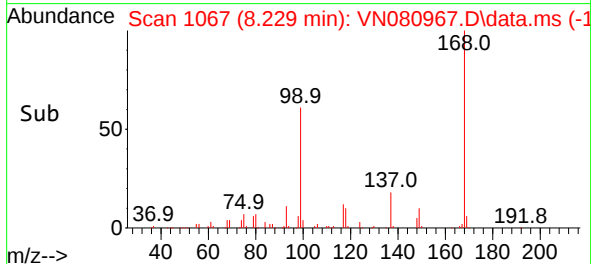
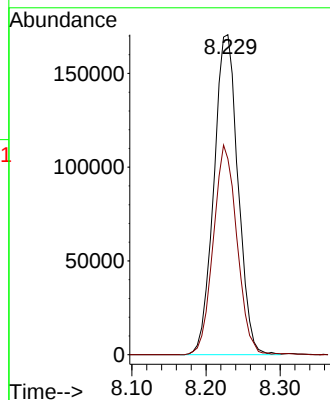
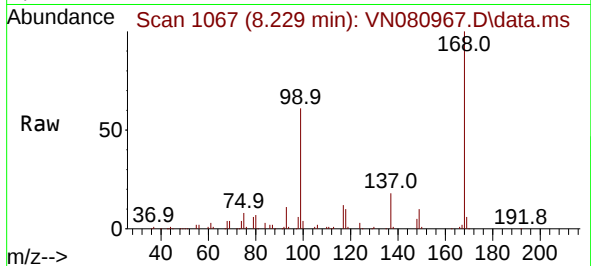




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

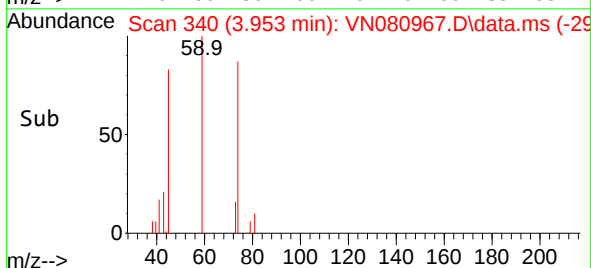
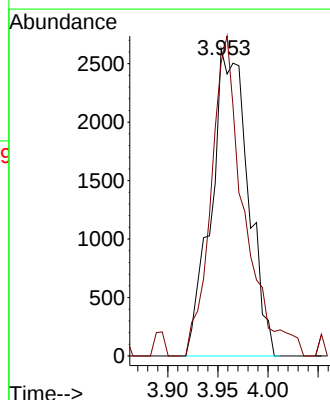
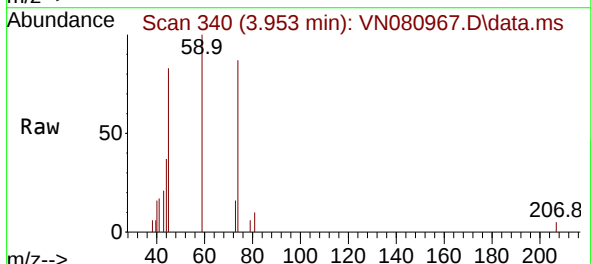
Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

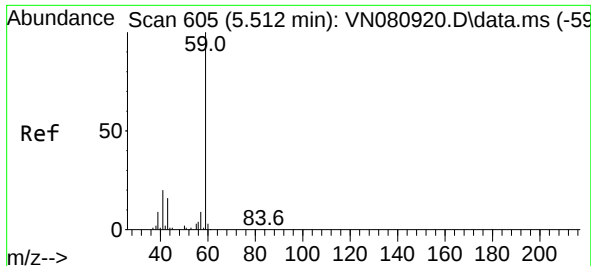
Tgt Ion:168 Resp: 386309
Ion Ratio Lower Upper
168 100
99 61.2 59.9 89.9



#8
Diethyl Ether
Concen: 2.509 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

Tgt Ion: 74 Resp: 6710
Ion Ratio Lower Upper
74 100
45 93.6 53.3 159.9

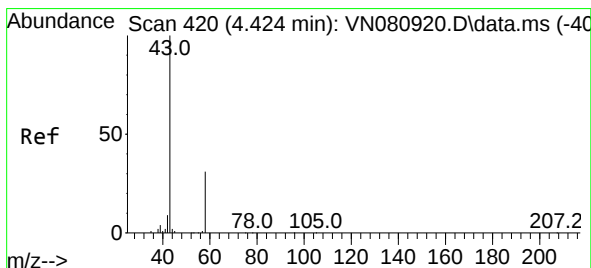
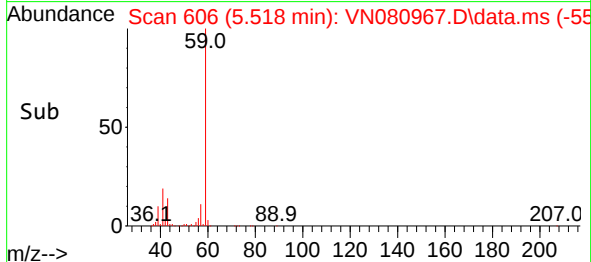
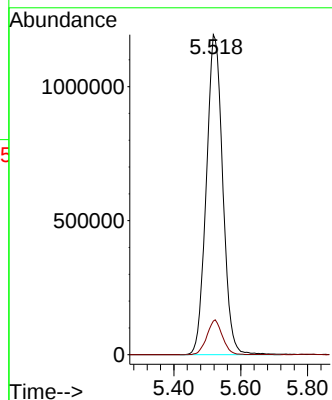
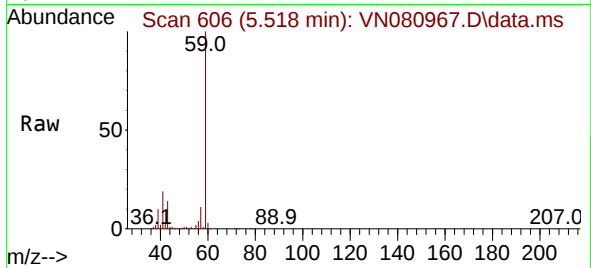




#11
Tert butyl alcohol
Concen: 6064.673 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

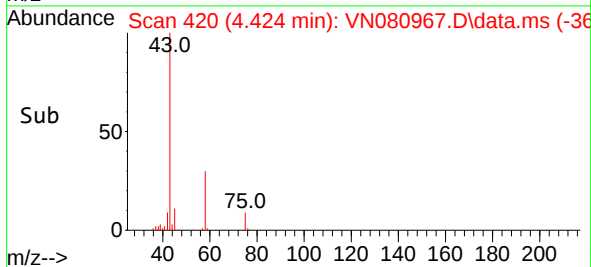
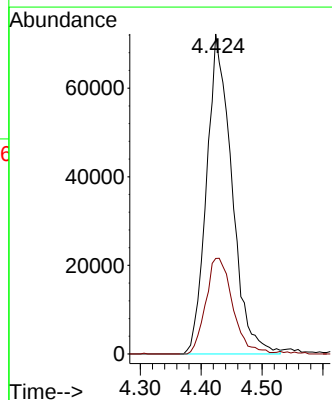
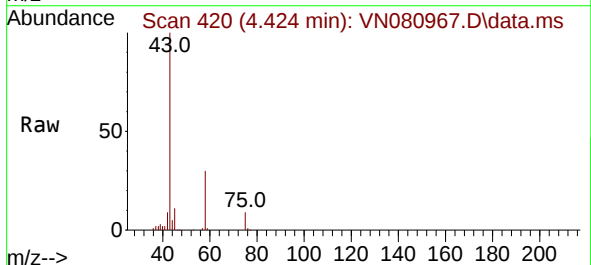
Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

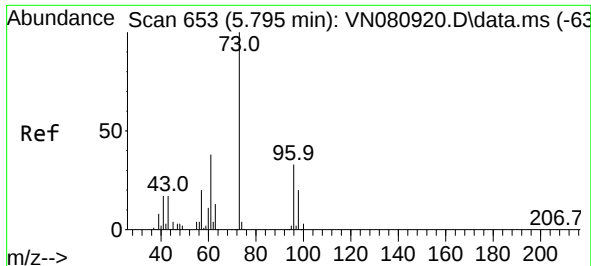
Tgt Ion: 59 Resp: 4072145
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8



#16
Acetone
Concen: 129.486 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

Tgt Ion: 43 Resp: 207606
Ion Ratio Lower Upper
43 100
58 29.8 24.8 37.2





#19

Methyl tert-butyl Ether

Concen: 1.838 ug/l

RT: 5.806 min Scan# 61

Delta R.T. 0.012 min

Lab File: VN080967.D

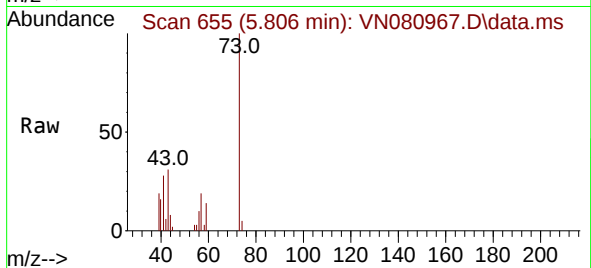
Acq: 08 Feb 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

240207098-02-VOA

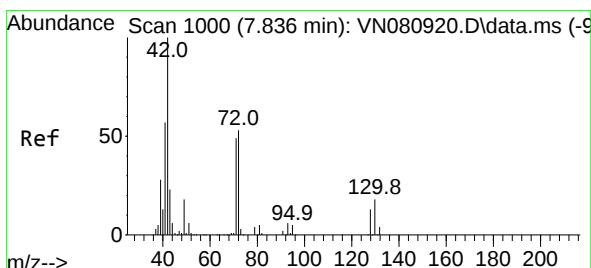
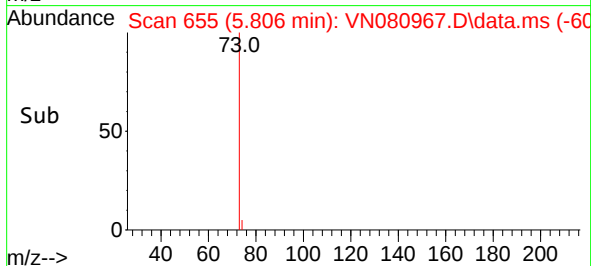
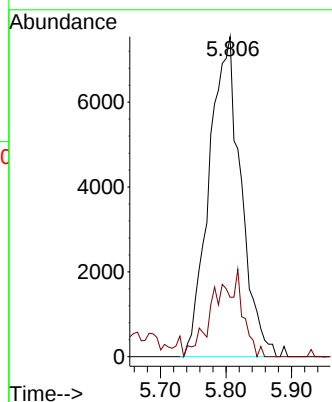


Tgt Ion: 73 Resp: 25361

Ion Ratio Lower Upper

73 100

57 18.6 18.2 27.4



#29

Tetrahydrofuran

Concen: 542.902 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN080967.D

Acq: 08 Feb 2024 16:34

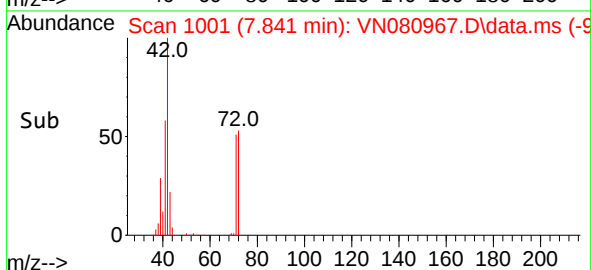
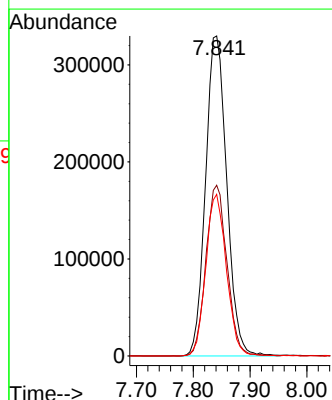
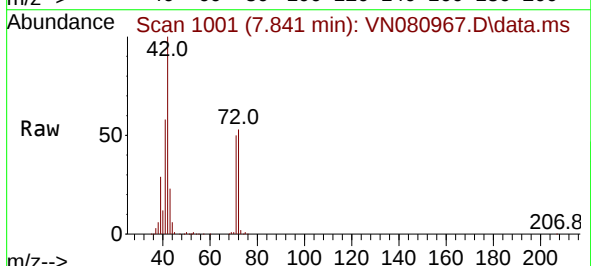
Tgt Ion: 42 Resp: 854192

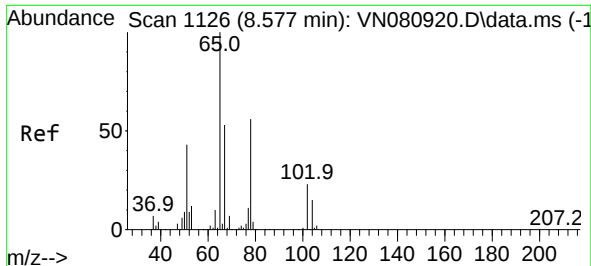
Ion Ratio Lower Upper

42 100

72 53.0 31.1 46.7#

71 49.2 28.3 42.5#





#33

1,2-Dichloroethane-d4

Concen: 51.194 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080967.D

Acq: 08 Feb 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

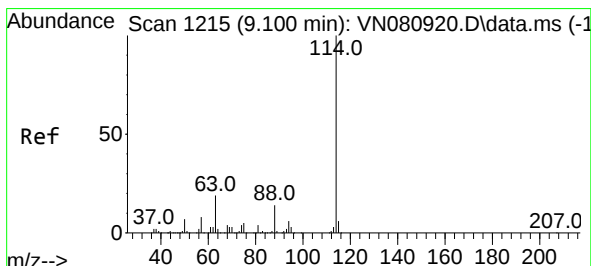
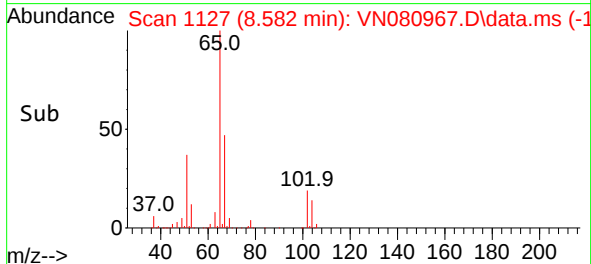
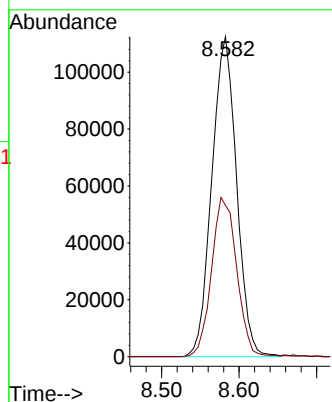
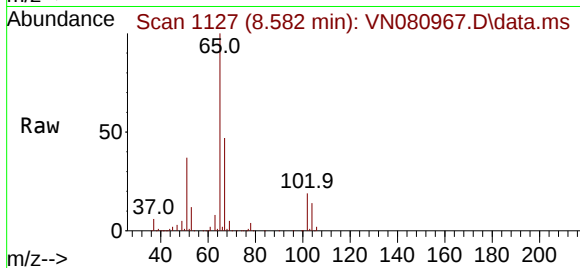
240207098-02-VOA

Tgt Ion: 65 Resp: 249482

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080967.D

Acq: 08 Feb 2024 16:34

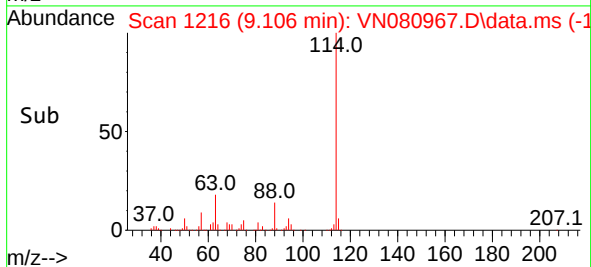
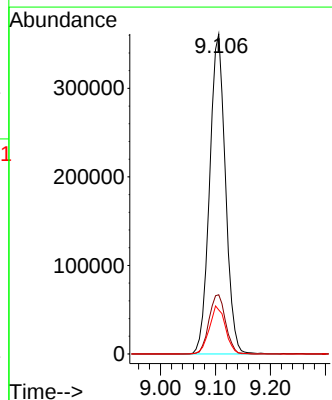
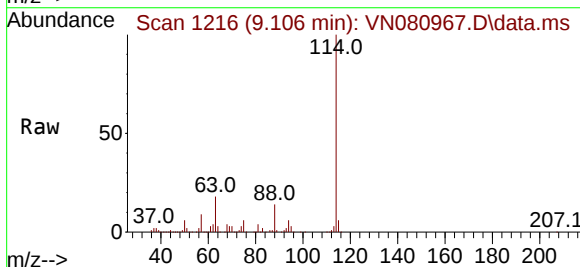
Tgt Ion: 114 Resp: 721667

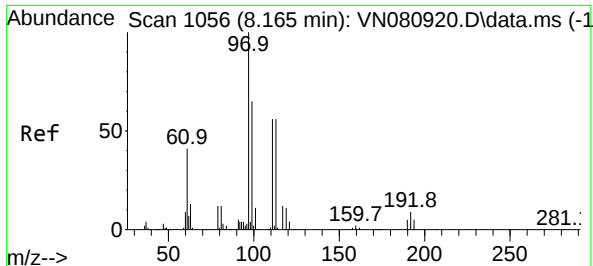
Ion Ratio Lower Upper

114 100

63 18.5 0.0 48.0

88 13.7 0.0 34.8

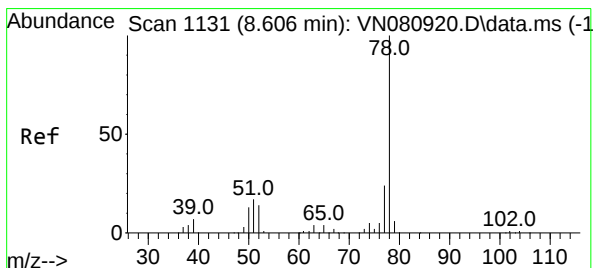
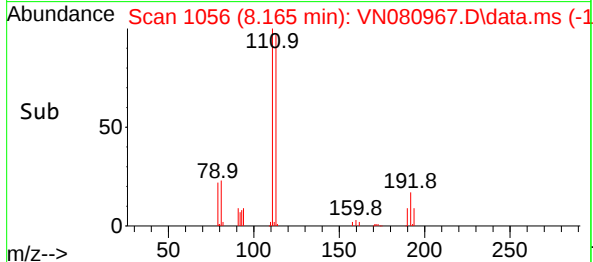
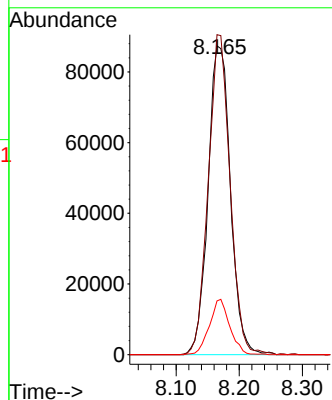
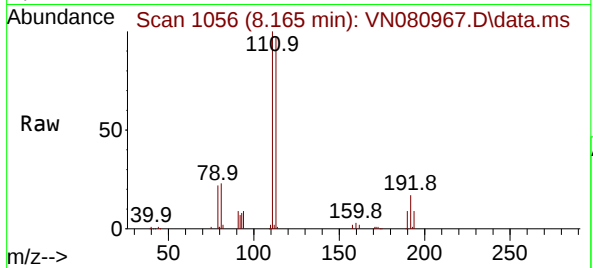




#35
Dibromofluoromethane
Concen: 55.647 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

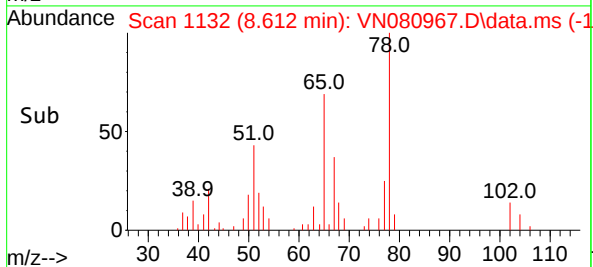
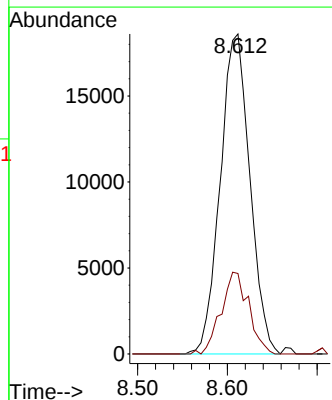
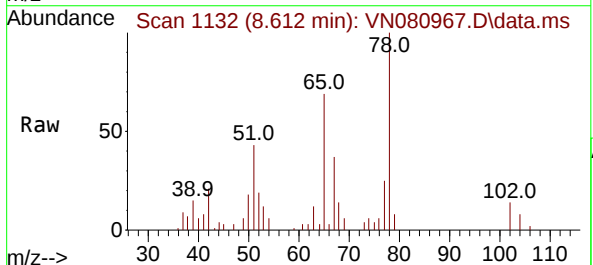
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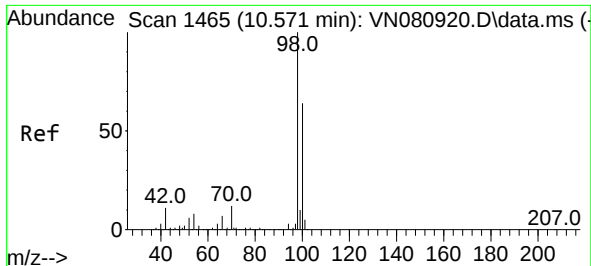
Tgt Ion:113 Resp: 215492
Ion Ratio Lower Upper
113 100
111 100.7 82.2 123.4
192 16.3 12.5 18.7



#40
Benzene
Concen: 2.435 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

Tgt Ion: 78 Resp: 42692
Ion Ratio Lower Upper
78 100
77 25.2 20.4 30.6

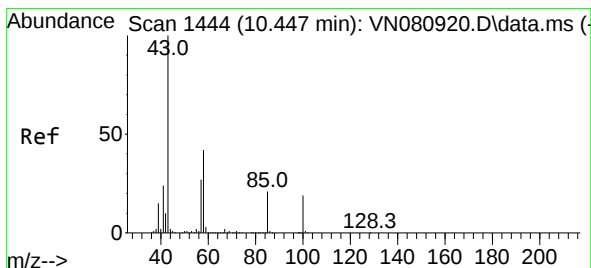
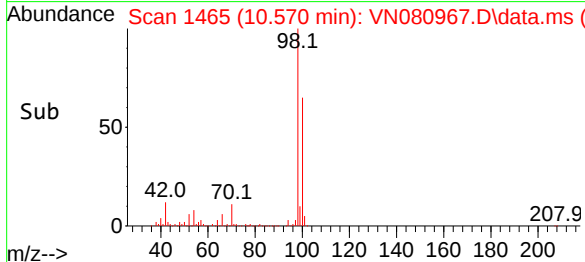
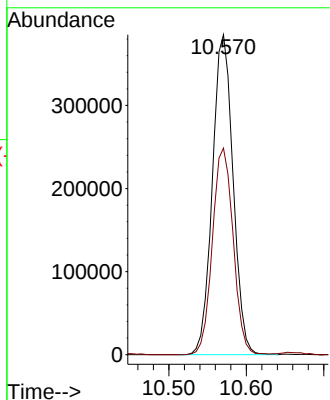
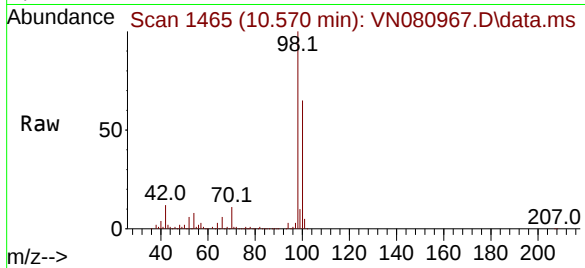




#50
Toluene-d8
Concen: 51.039 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

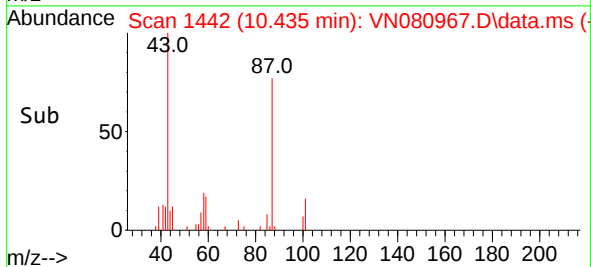
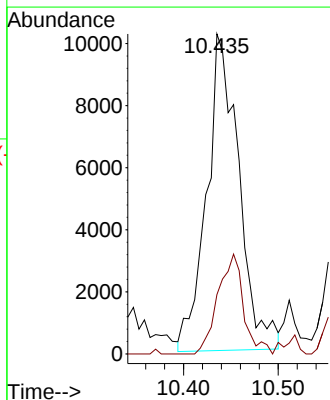
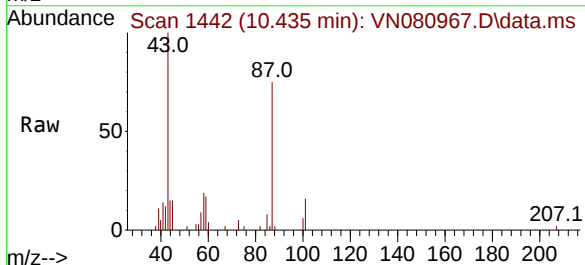
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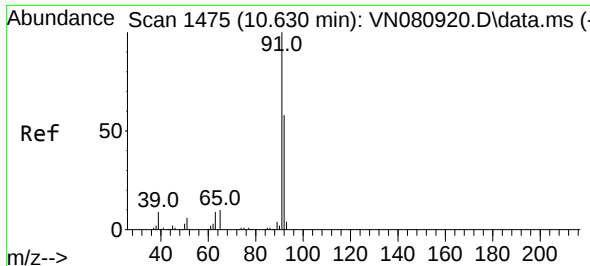
Tgt Ion: 98 Resp: 714906
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 4.991 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.012 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

Tgt Ion: 43 Resp: 24110
Ion Ratio Lower Upper
43 100
58 25.0 29.4 44.0#

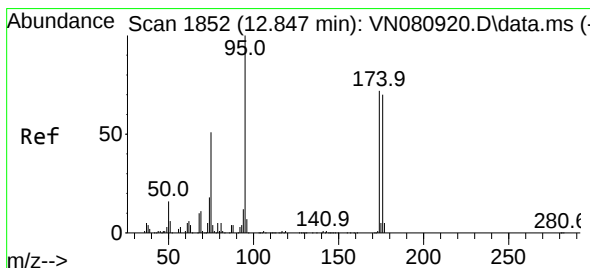
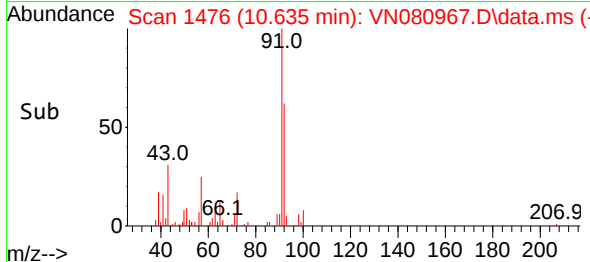
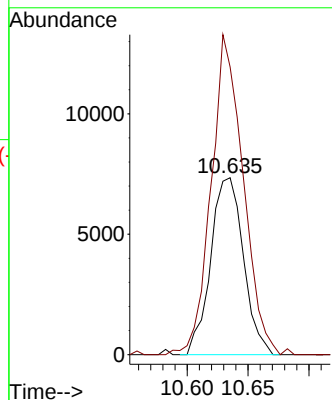
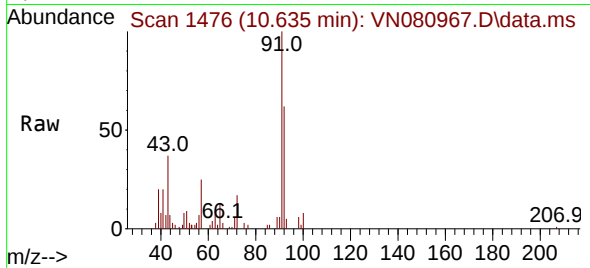




#52
Toluene
Concen: 1.170 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

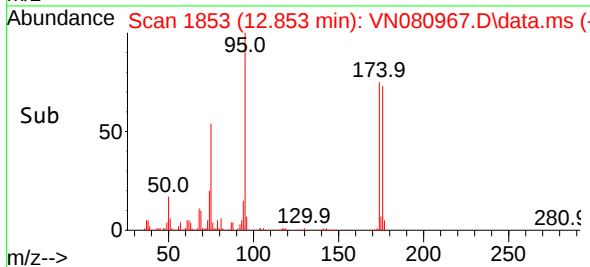
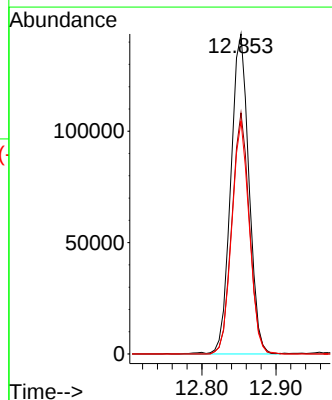
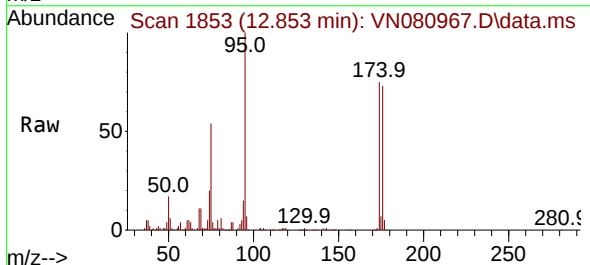
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240207098-02-VOA

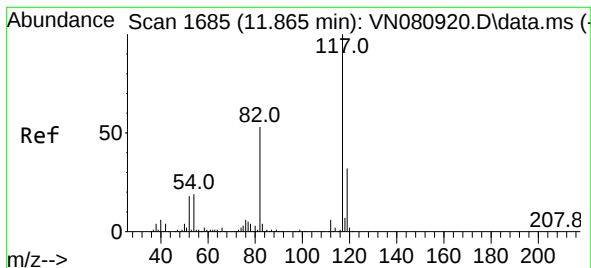
Tgt Ion: 92 Resp: 13745
Ion Ratio Lower Upper
92 100
91 177.2 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 47.955 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

Tgt Ion: 95 Resp: 244017
Ion Ratio Lower Upper
95 100
174 72.8 0.0 120.4
176 70.1 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080967.D

Acq: 08 Feb 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

240207098-02-VOA

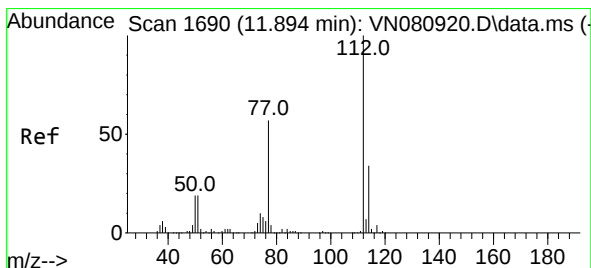
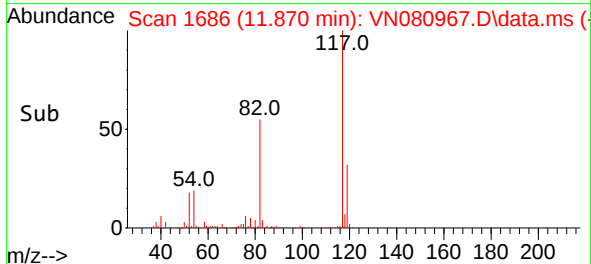
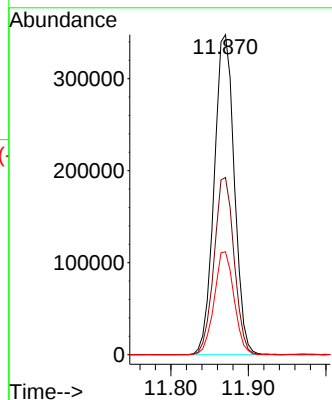
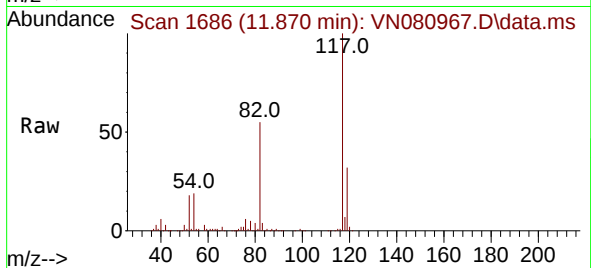
Tgt Ion:117 Resp: 628042

Ion Ratio Lower Upper

117 100

82 55.3 52.7 79.1

119 32.2 25.3 37.9



#65

Chlorobenzene

Concen: 0.713 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.006 min

Lab File: VN080967.D

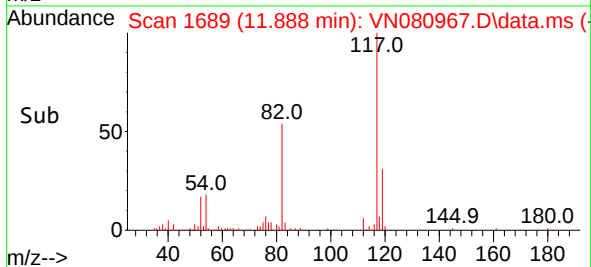
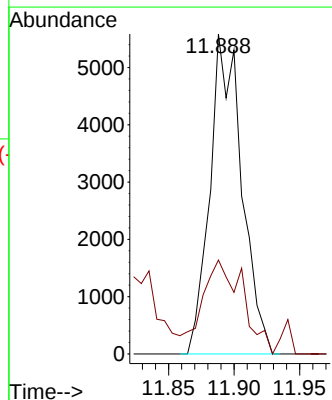
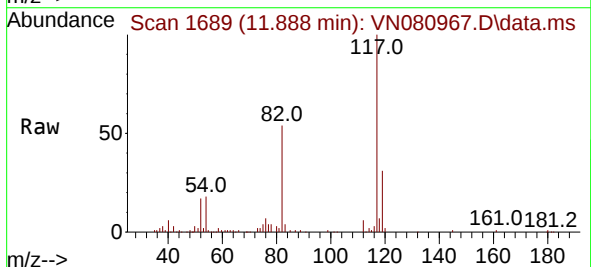
Acq: 08 Feb 2024 16:34

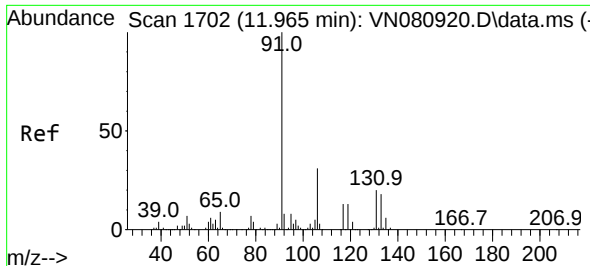
Tgt Ion:112 Resp: 9388

Ion Ratio Lower Upper

112 100

114 24.6 23.7 35.5

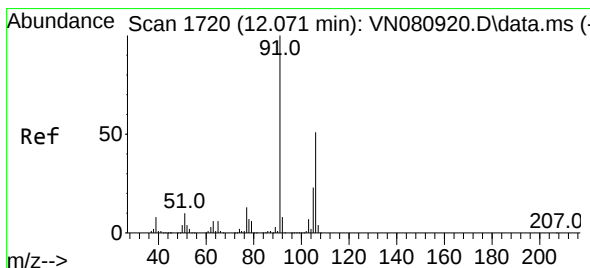
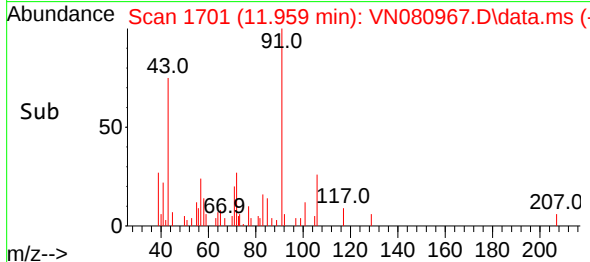
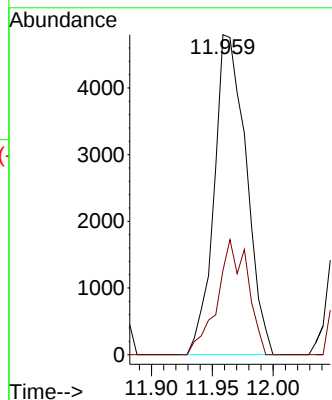
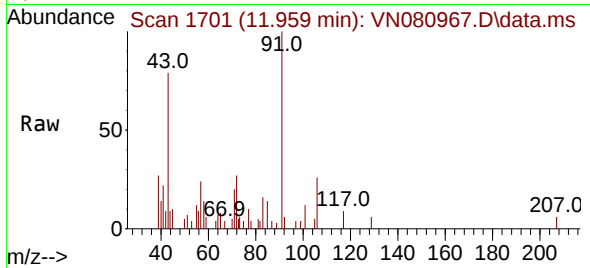




#67
Ethyl Benzene
Concen: 0.387 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

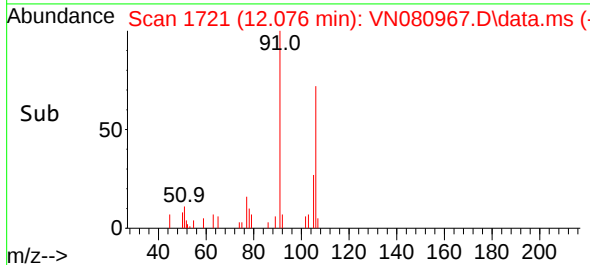
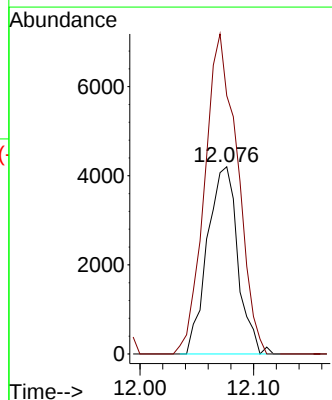
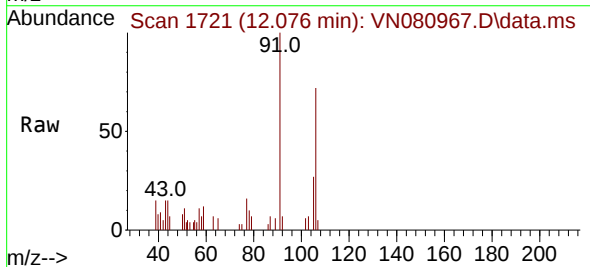
Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

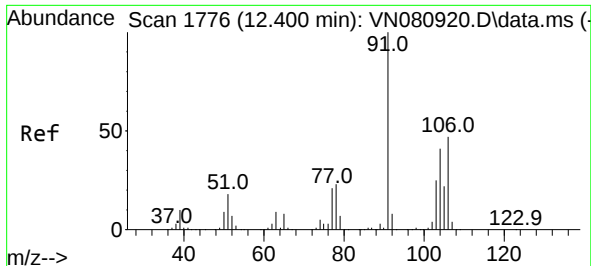
Tgt Ion: 91 Resp: 8773
Ion Ratio Lower Upper
91 100
106 26.3 23.8 35.6



#68
m/p-Xylenes
Concen: 0.909 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

Tgt Ion:106 Resp: 7826
Ion Ratio Lower Upper
106 100
91 183.9 169.0 253.6

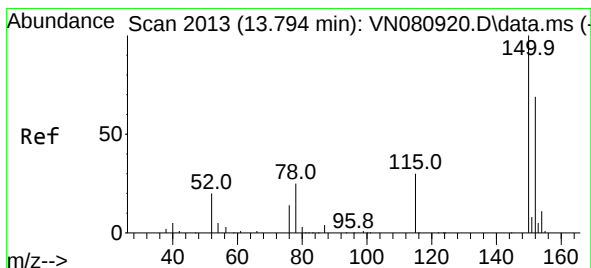
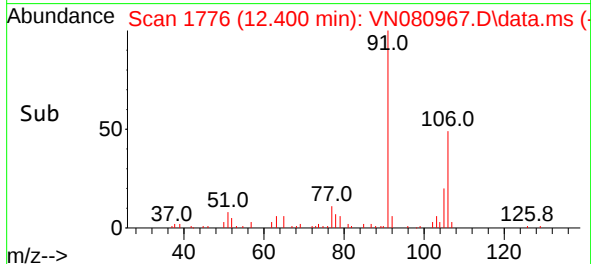
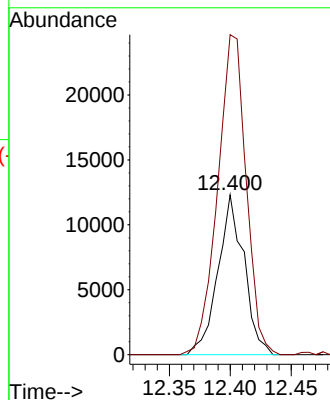
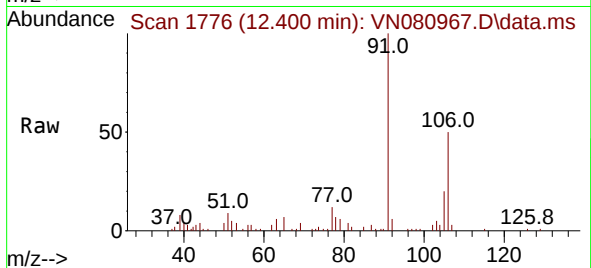




#69
o-Xylene
Concen: 2.192 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

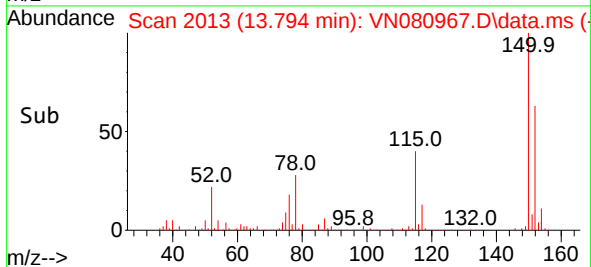
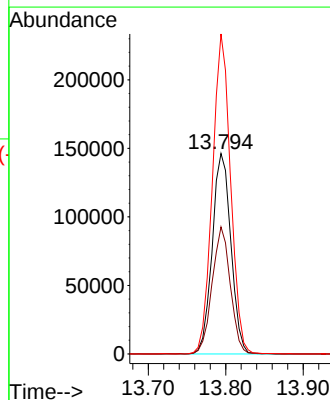
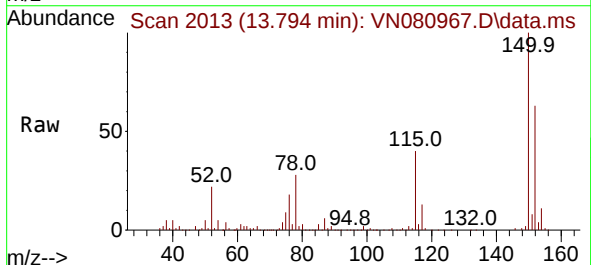
Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

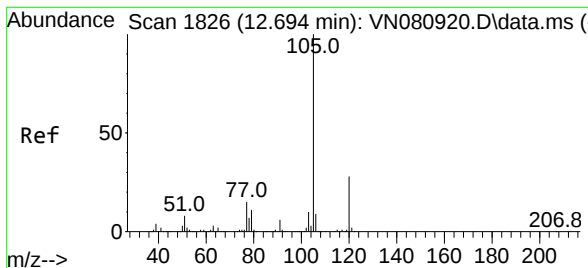
Tgt Ion:106 Resp: 18319
Ion Ratio Lower Upper
106 100
91 218.7 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080967.D
Acq: 08 Feb 2024 16:34

Tgt Ion:152 Resp: 244892
Ion Ratio Lower Upper
152 100
115 61.8 32.3 96.8
150 155.4 0.0 339.8





#73

Isopropylbenzene

Concen: 0.534 ug/l

RT: 12.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN080967.D

Acq: 08 Feb 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

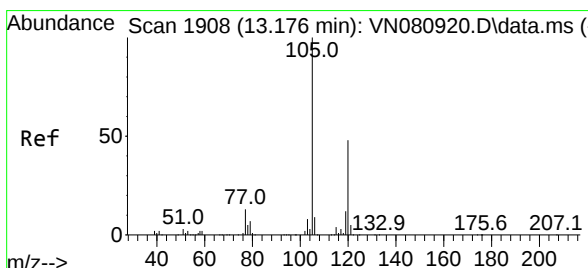
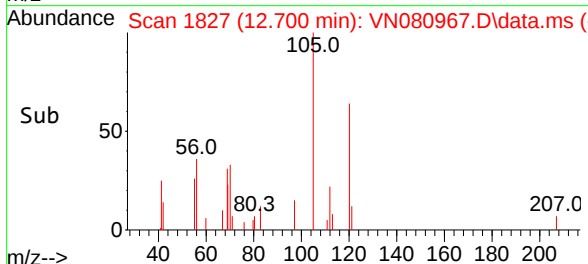
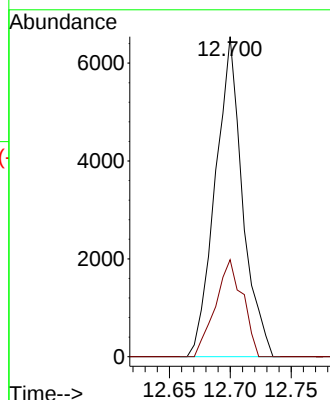
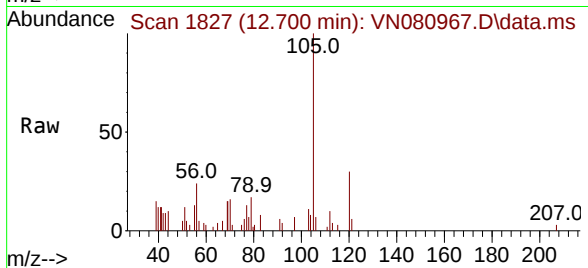
240207098-02-VOA

Tgt Ion:105 Resp: 10177

Ion Ratio Lower Upper

105 100

120 30.3 12.6 37.6



#80

1,3,5-Trimethylbenzene

Concen: 0.413 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN080967.D

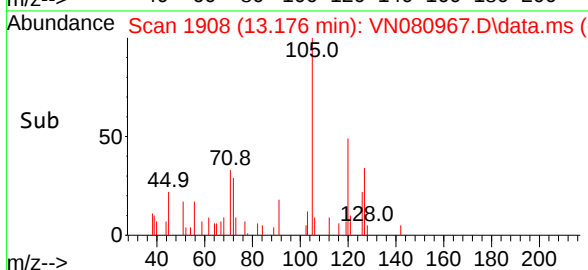
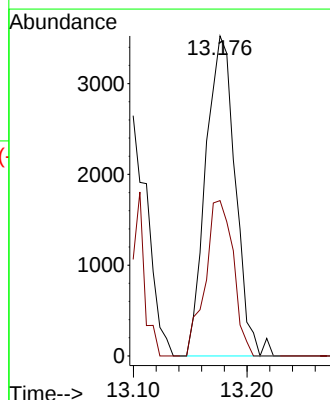
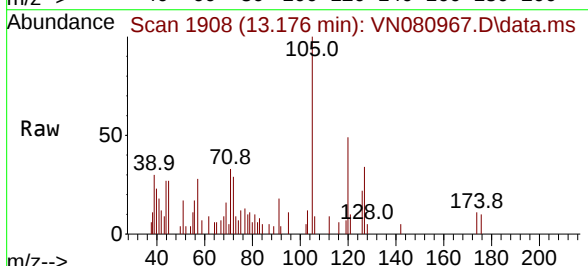
Acq: 08 Feb 2024 16:34

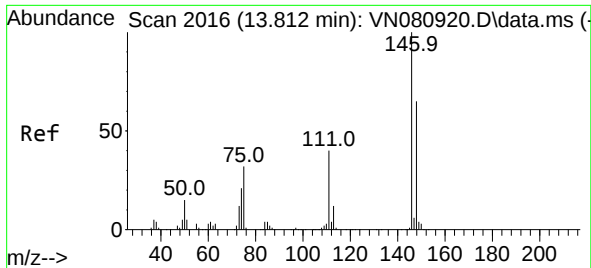
Tgt Ion:105 Resp: 6391

Ion Ratio Lower Upper

105 100

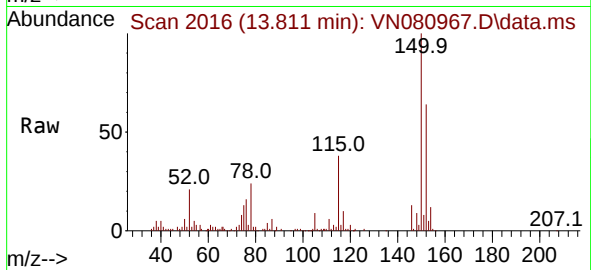
120 45.9 23.0 69.0





#88
 1,4-Dichlorobenzene
 Concen: 1.877 ug/l
 RT: 13.811 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080967.D
 Acq: 08 Feb 2024 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 240207098-02-VOA



Tgt Ion:	146	Resp:	16305
Ion	Ratio	Lower	Upper
146	100		
111	67.3	22.6	67.7
148	67.5	31.9	95.5

