

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
 Data File : VN071998.D
 Acq On : 14 Apr 2022 15:31
 Operator : JC\MD
 Sample : N2406-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220413003-02-VOA

Quant Time: Apr 15 01:38:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

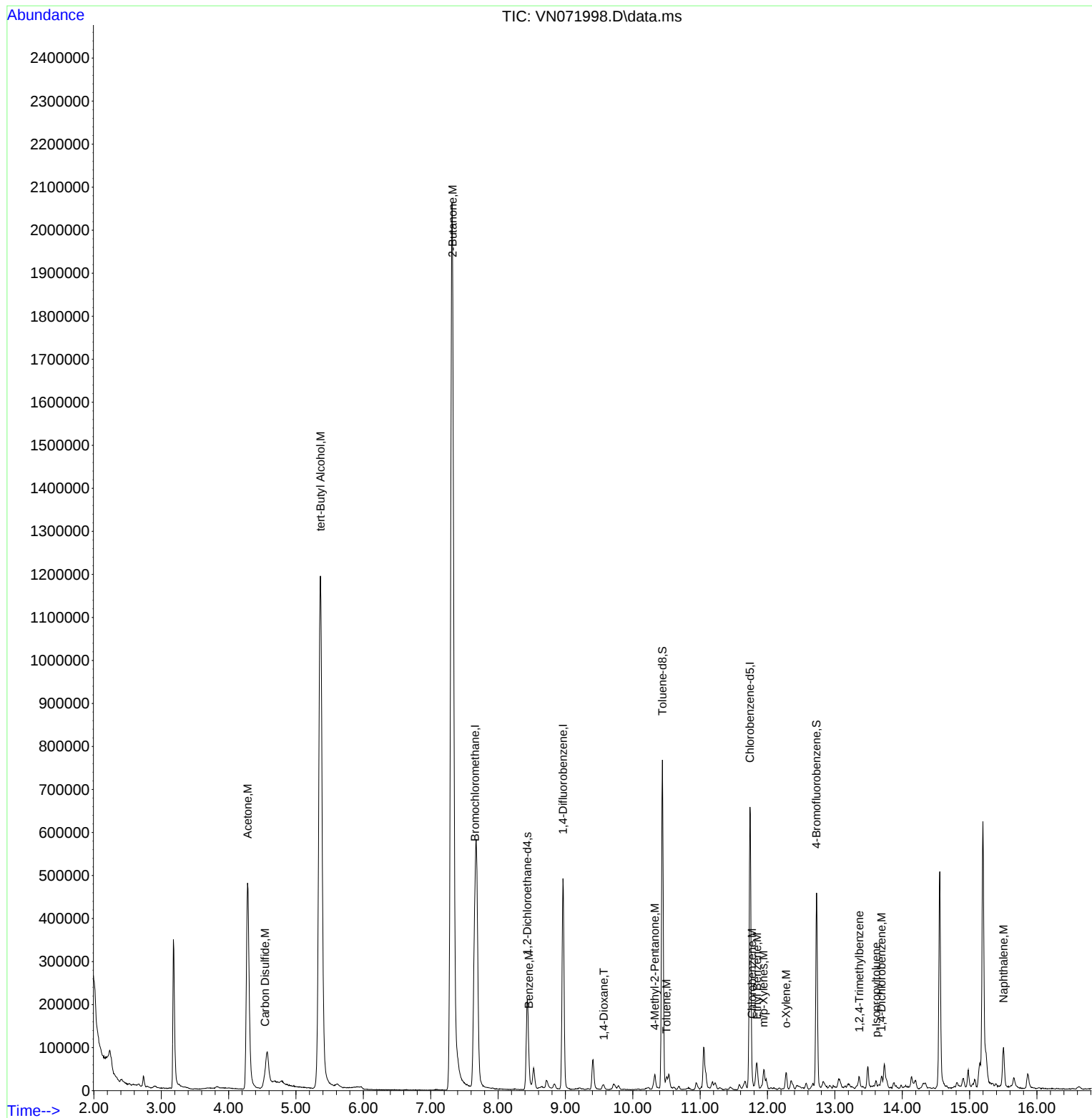
Internal Standards						
1) Bromochloromethane	7.657	128	82481	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	453516	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	412450	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	169135	29.105	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.000%
60) 4-Bromofluorobenzene	12.727	95	160528	26.249	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.500%
63) Toluene-d8	10.439	98	541127	28.902	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.333%
Target Compounds						
					Qvalue	
15) Acetone	4.281	58	315014	358.892	ug/l	73
16) Carbon Disulfide	4.540	76	59652	4.795	ug/l	100
23) tert-Butyl Alcohol	5.363	59	2421654	2225.095	ug/l #	100
30) 2-Butanone	7.328	43	1592783	389.807	ug/l	96
34) Benzene	8.457	78	15175	0.665	ug/l #	1
45) 1,4-Dioxane	9.569	88	5523	43.076	ug/l #	76
58) 4-Methyl-2-Pentanone	10.328	43	23618	3.017	ug/l	99
62) Toluene	10.498	91	17885	0.715	ug/l	94
64) Chlorobenzene	11.769	112	5599	0.363	ug/l	94
66) Ethyl Benzene	11.845	91	39994	1.472	ug/l	100
67) m/p-Xylenes	11.939	106	15419	1.458	ug/l	98
68) o-Xylene	12.275	106	9758	0.929	ug/l	96
80) 1,2,4-Trimethylbenzene	13.363	105	10621	0.517	ug/l #	78
82) p-Isopropyltoluene	13.616	119	7546	0.362	ug/l	95
84) 1,4-Dichlorobenzene	13.692	146	9029	0.898	ug/l	100
91) Naphthalene	15.504	128	94948	12.117	ug/l	99

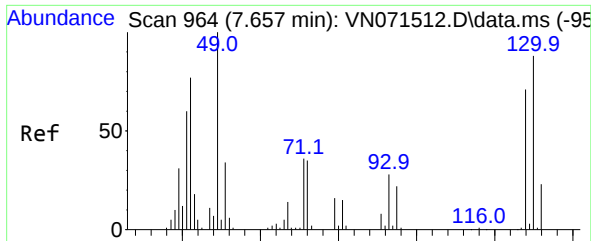
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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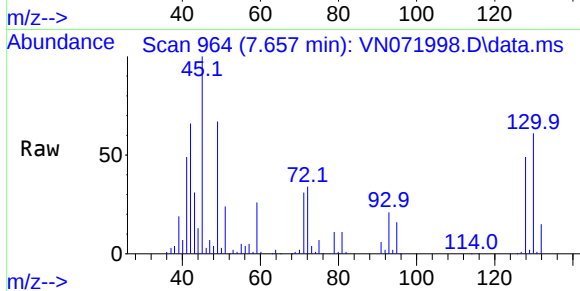
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 24 12:03:44 2022
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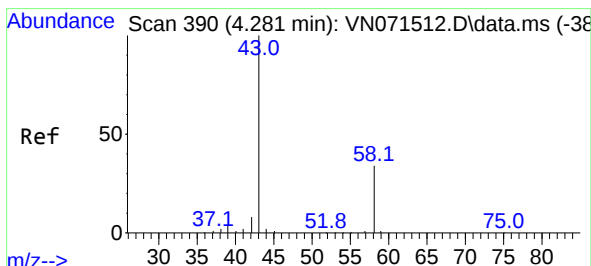
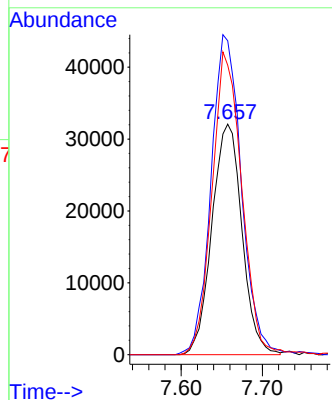
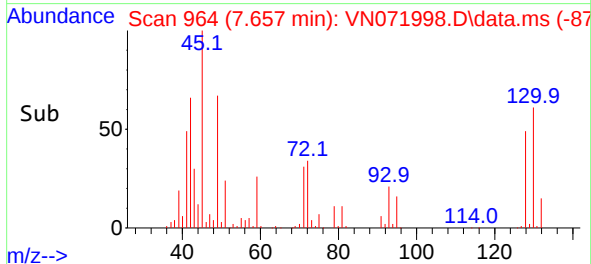


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

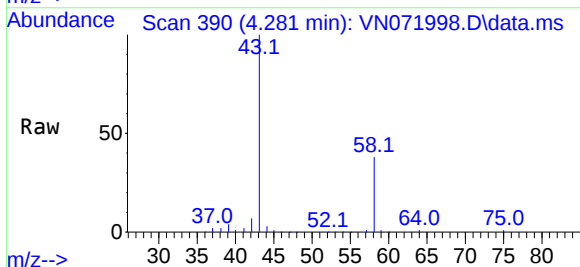
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MSVOA_N
ClientSampleId :
220413003-02-VOA



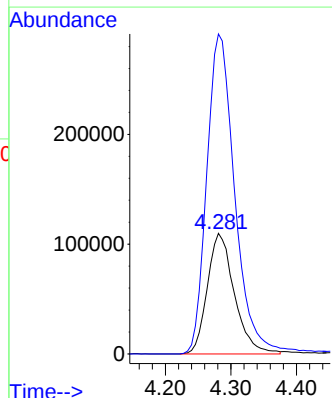
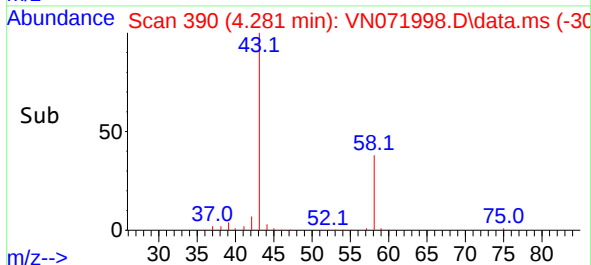
Tgt Ion:128 Resp: 82481
Ion Ratio Lower Upper
128 100
49 140.3 0.0 392.3
130 129.9 0.0 320.2

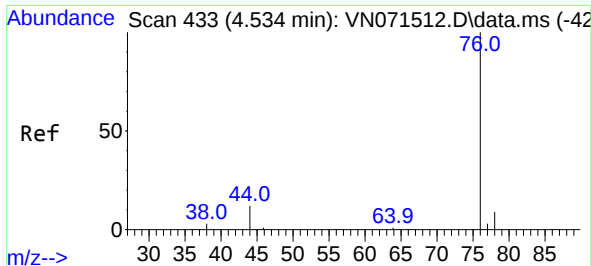


#15
Acetone
Concen: 358.892 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31



Tgt Ion: 58 Resp: 315014
Ion Ratio Lower Upper
58 100
43 265.3 256.6 384.8

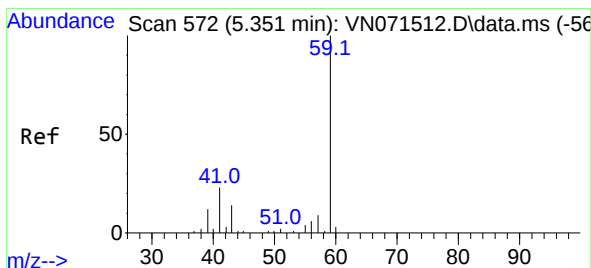
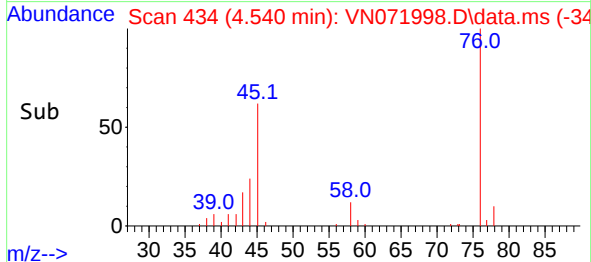
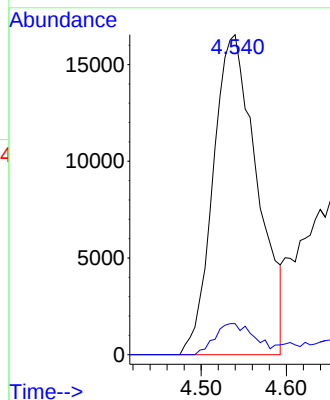
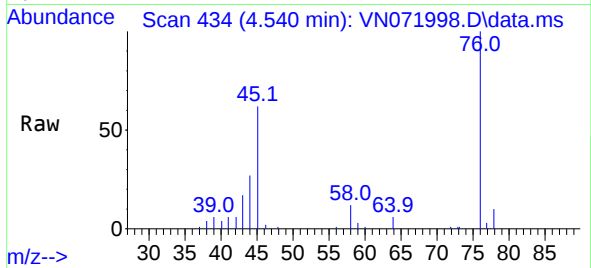




#16
Carbon Disulfide
Concen: 4.795 ug/l
RT: 4.540 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

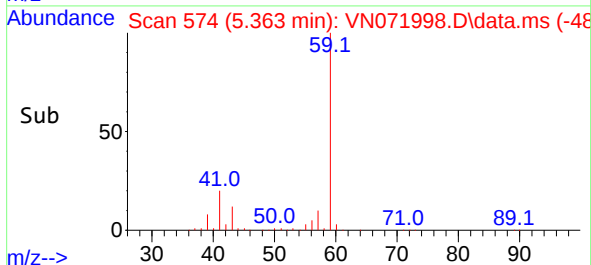
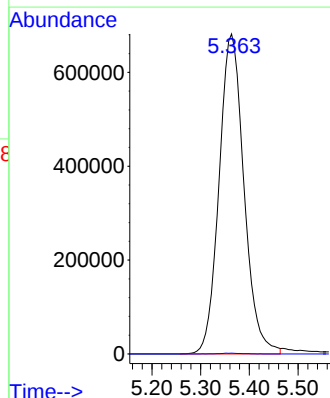
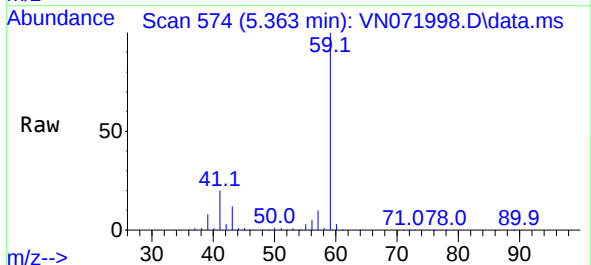
Instrument :
MSVOA_N
ClientSampleId :
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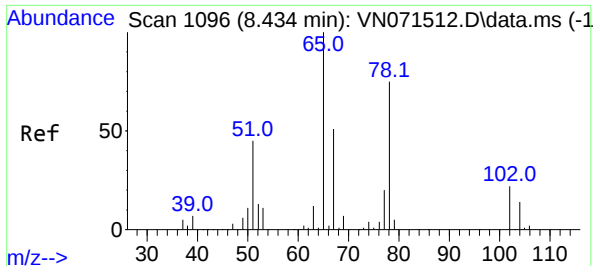
Tgt Ion: 76 Resp: 59652
Ion Ratio Lower Upper
76 100
78 9.7 7.8 11.8



#23
tert-Butyl Alcohol
Concen: 2225.095 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.012 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Tgt Ion: 59 Resp: 2421654
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

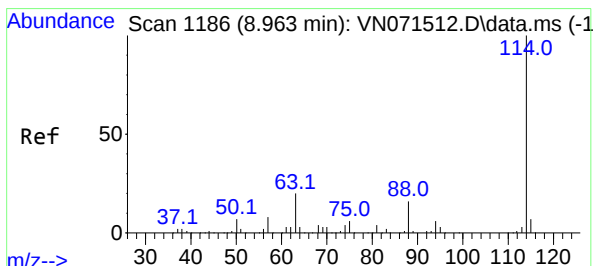
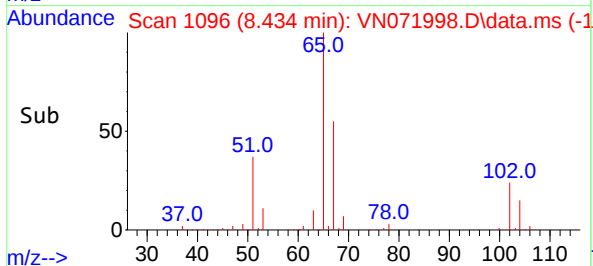
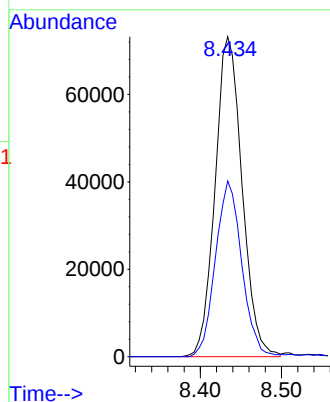
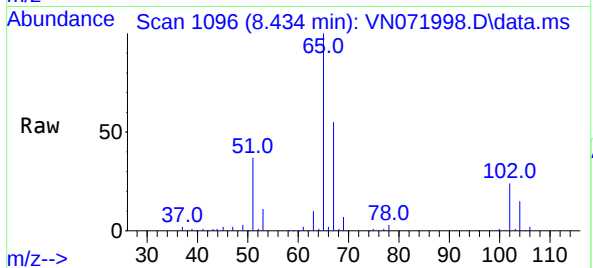




#27
1,2-Dichloroethane-d4
Concen: 29.105 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

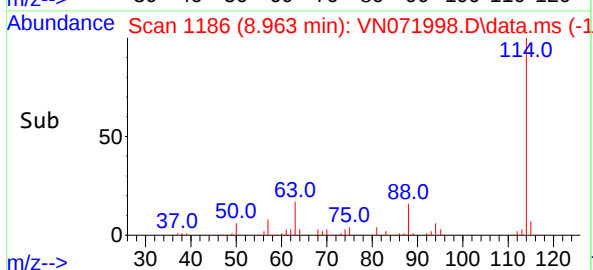
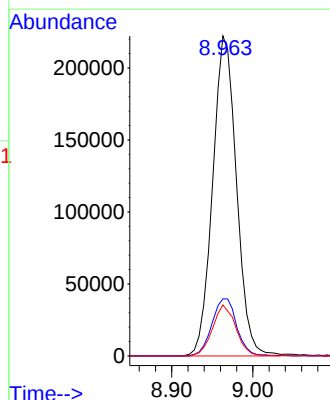
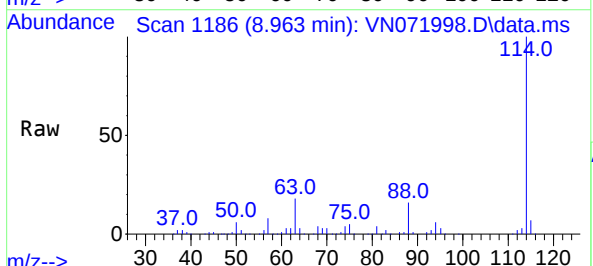
Instrument :
MSVOA_N
ClientSampleId :
220413003-02-VOA

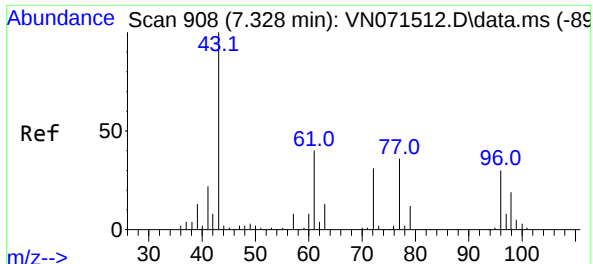
Tgt Ion: 65 Resp: 169135
Ion Ratio Lower Upper
65 100
67 53.4 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Tgt Ion: 114 Resp: 453516
Ion Ratio Lower Upper
114 100
63 18.6 15.8 23.6
88 15.6 11.6 17.4



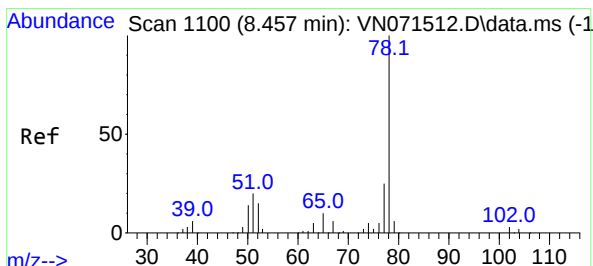
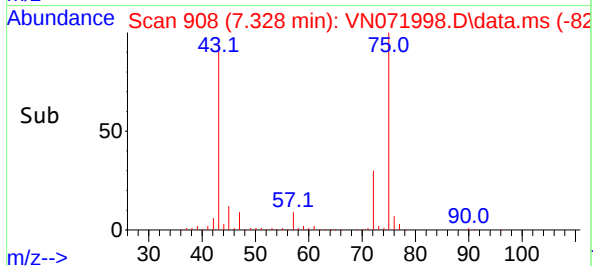
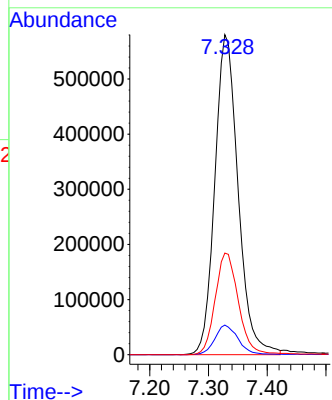
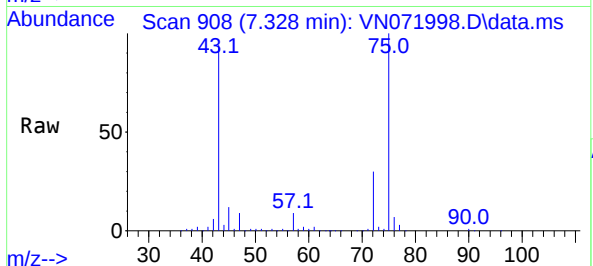


#30
2-Butanone
Concen: 389.807 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Instrument :
MSVOA_N
ClientSampleId :
220413003-02-VOA

Tgt Ion: 43 Resp: 1592783

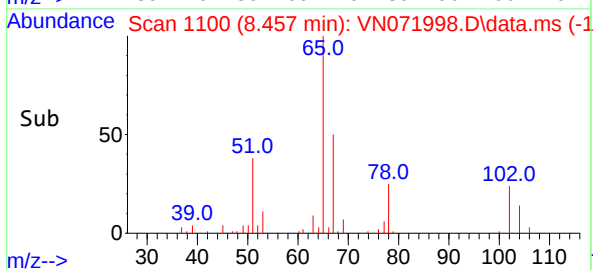
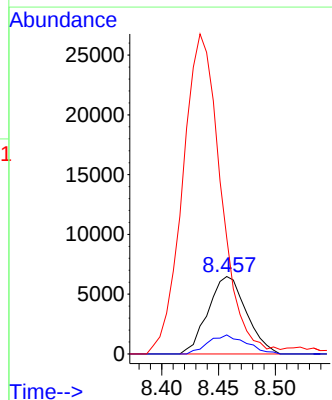
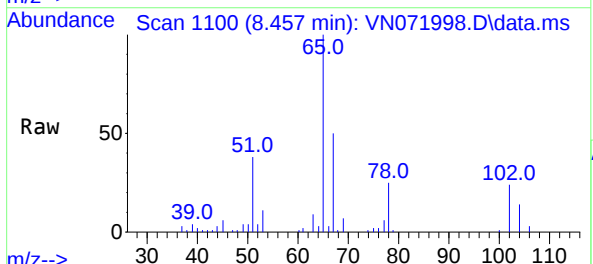
Ion	Ratio	Lower	Upper
43	100		
57	9.3	6.7	10.1
72	31.6	23.2	34.8

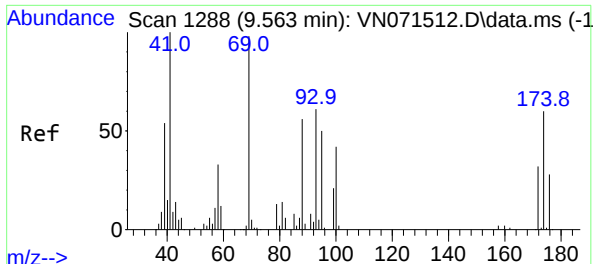


#34
Benzene
Concen: 0.665 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Tgt Ion: 78 Resp: 15175

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7
51	144.0	16.0	24.0

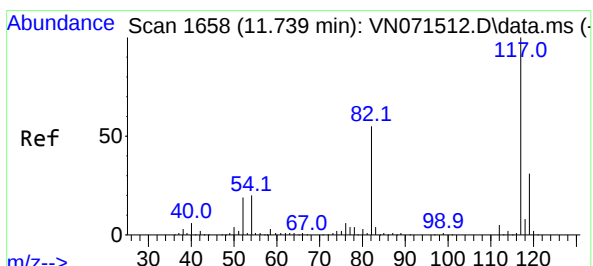
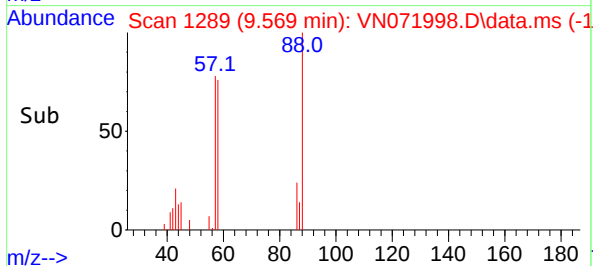
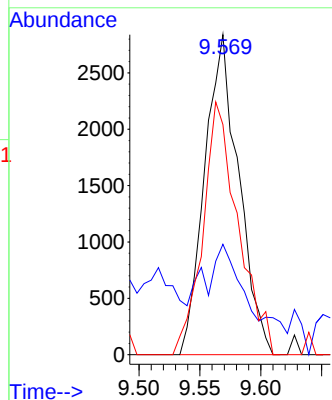
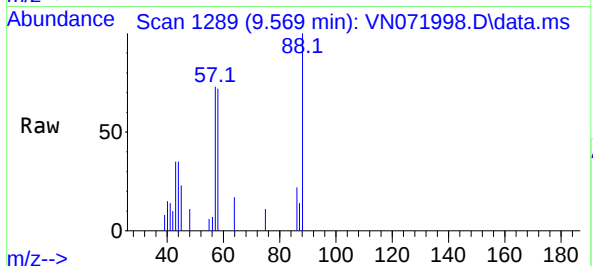




#45
1,4-Dioxane
Concen: 43.076 ug/l
RT: 9.569 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

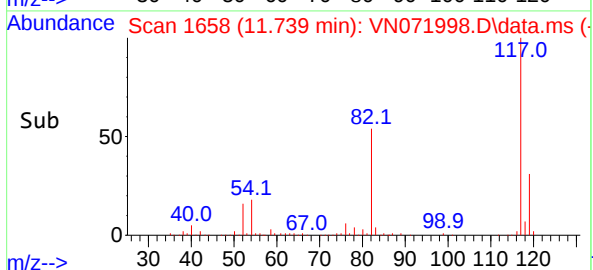
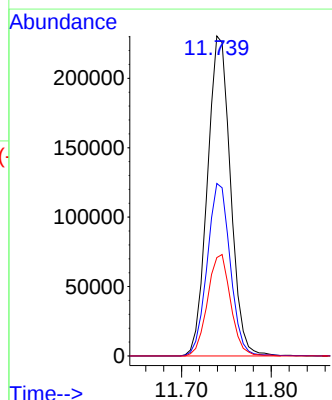
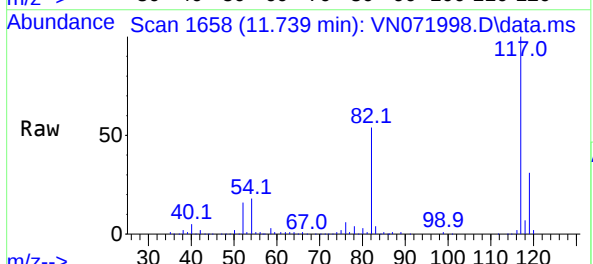
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MSVOA_N
ClientSampleId :
220413003-02-VOA

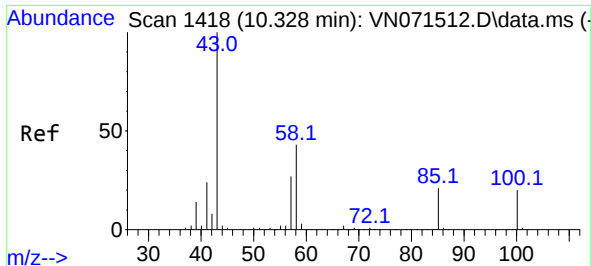
Tgt Ion: 88 Resp: 5523
Ion Ratio Lower Upper
88 100
43 20.0 25.0 37.6#
58 81.6 49.4 74.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Tgt Ion: 117 Resp: 412450
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 31.7 25.8 38.6



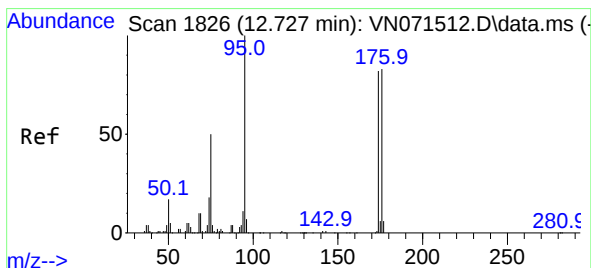
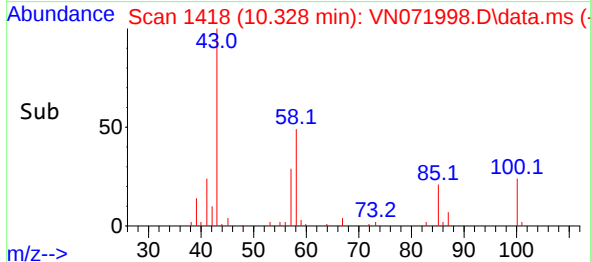
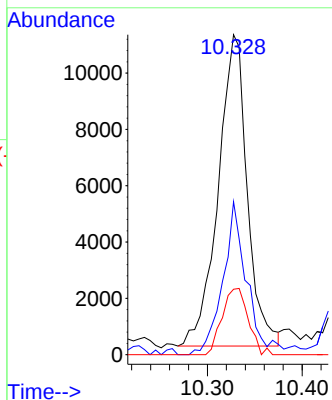
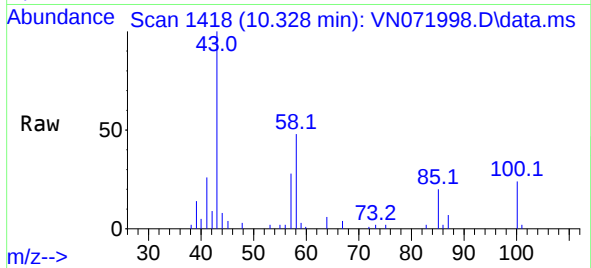


#58
4-Methyl-2-Pentanone
Concen: 3.017 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Instrument :
MSVOA_N
ClientSampleId :
220413003-02-VOA

Tgt Ion: 43 Resp: 23618

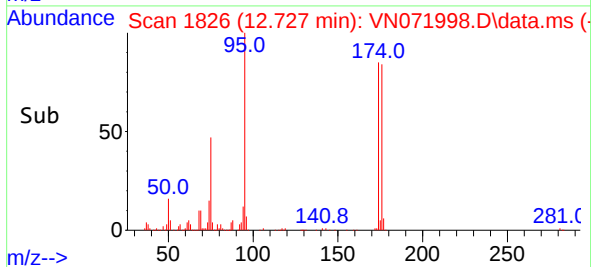
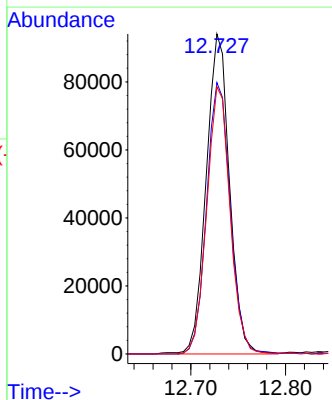
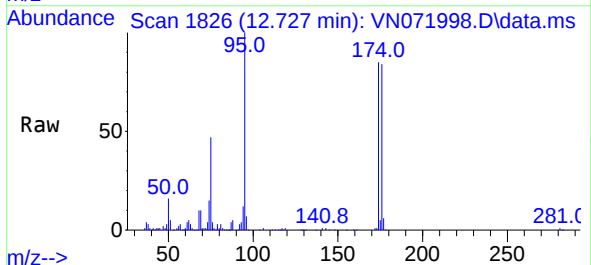
Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.0	45.0
85	18.7	15.0	22.6

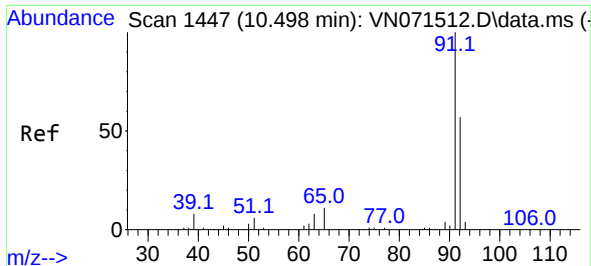


#60
4-Bromofluorobenzene
Concen: 26.249 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Tgt Ion: 95 Resp: 160528

Ion	Ratio	Lower	Upper
95	100		
174	86.2	62.9	94.3
176	83.2	61.0	91.4

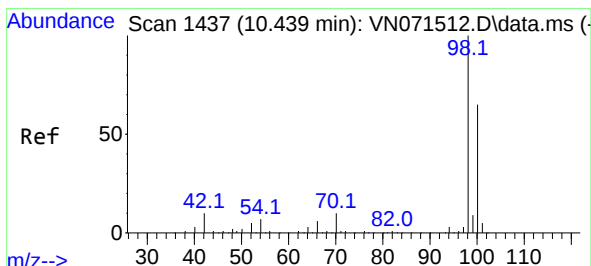
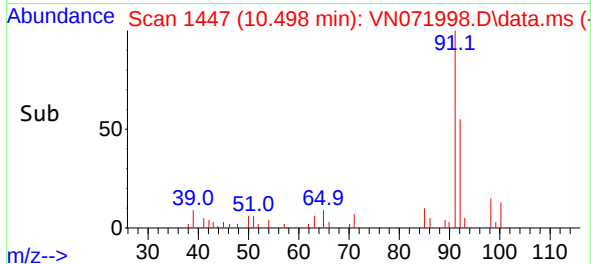
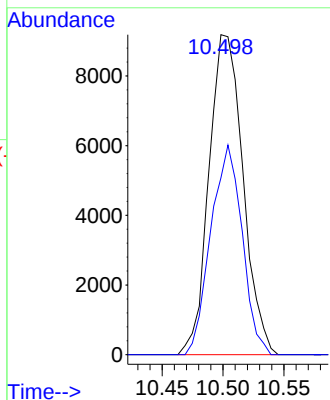
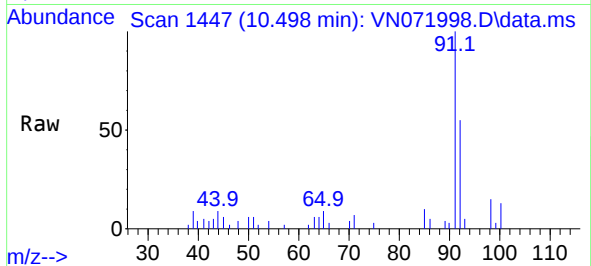




#62
Toluene
Concen: 0.715 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

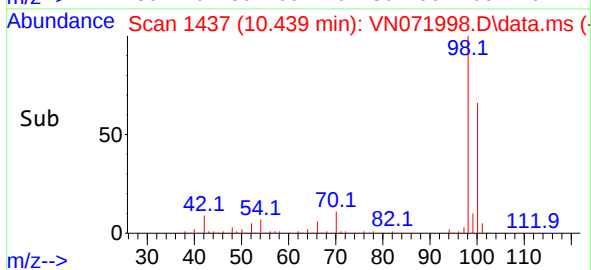
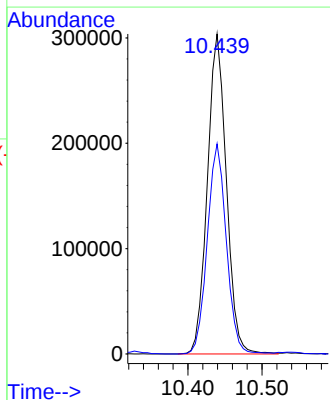
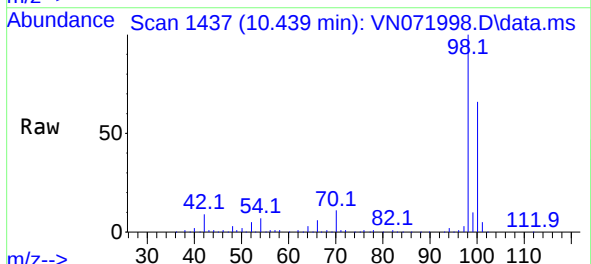
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ClientSampleId :
220413003-02-VOA

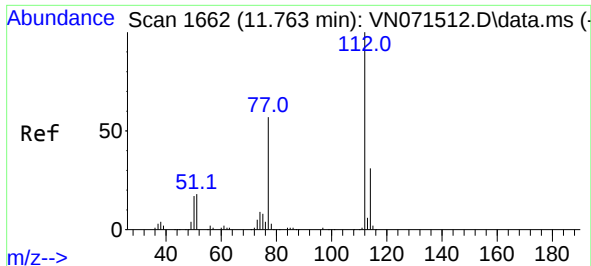
Tgt Ion: 91 Resp: 17885
Ion Ratio Lower Upper
91 100
92 60.2 44.6 67.0



#63
Toluene-d8
Concen: 28.902 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Tgt Ion: 98 Resp: 541127
Ion Ratio Lower Upper
98 100
100 65.8 50.6 76.0

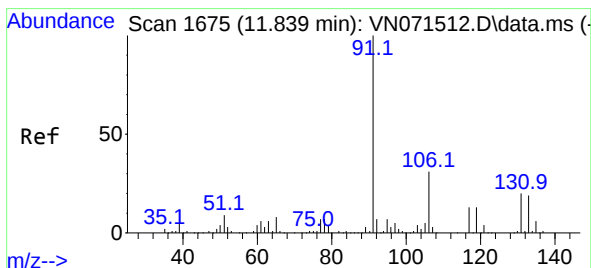
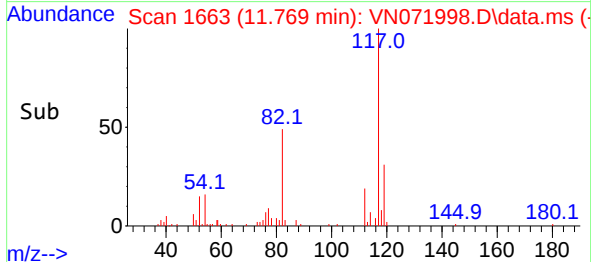
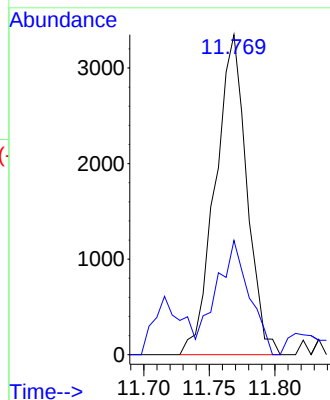
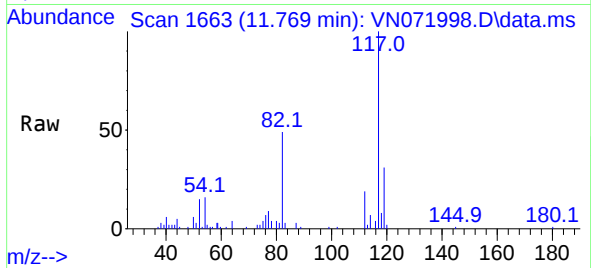




#64
Chlorobenzene
Concen: 0.363 ug/l
RT: 11.769 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

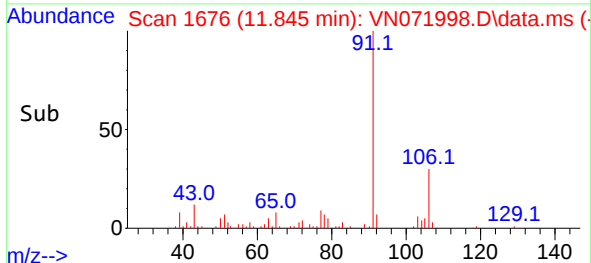
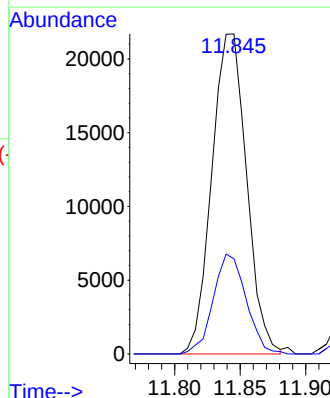
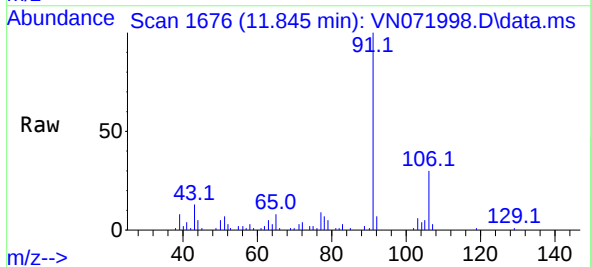
Instrument :
MSVOA_N
ClientSampleId :
220413003-02-VOA

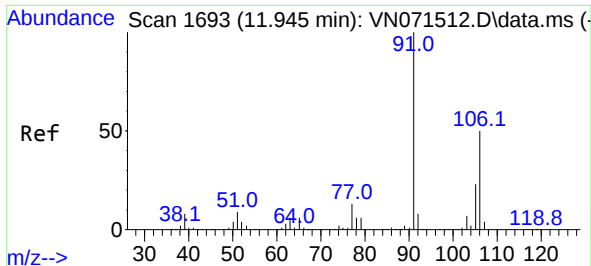
Tgt Ion:112 Resp: 5599
Ion Ratio Lower Upper
112 100
114 35.7 25.8 38.6



#66
Ethyl Benzene
Concen: 1.472 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Tgt Ion: 91 Resp: 39994
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0

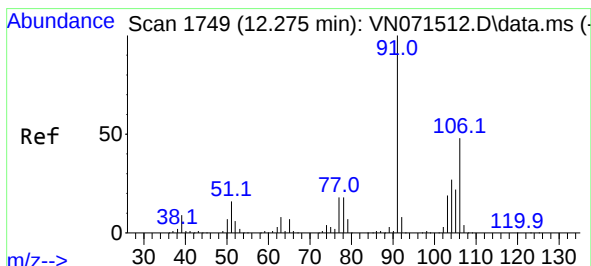
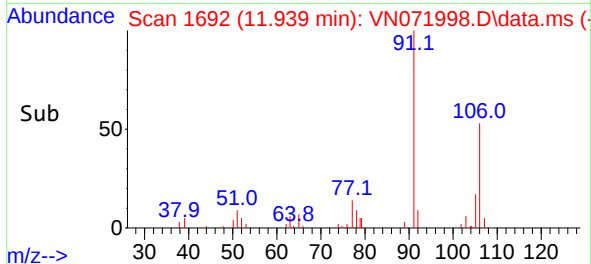
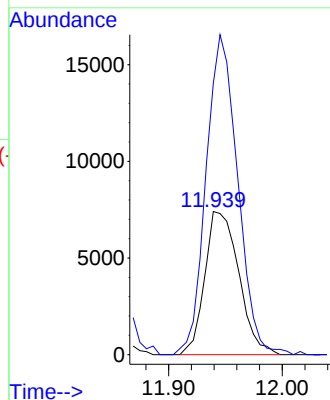
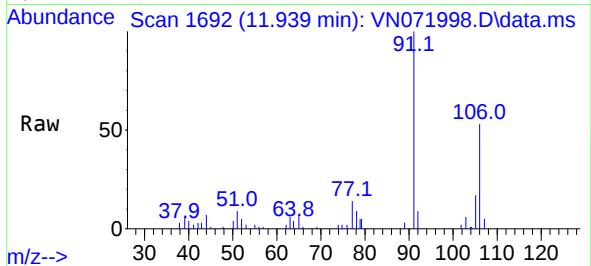




#67
m/p-Xylenes
Concen: 1.458 ug/l
RT: 11.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

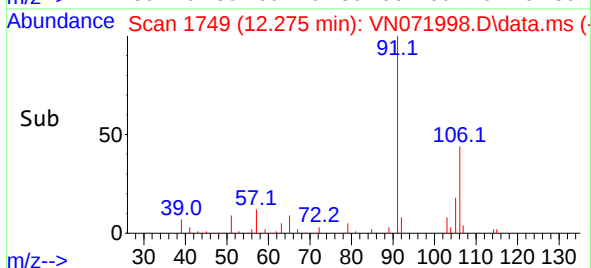
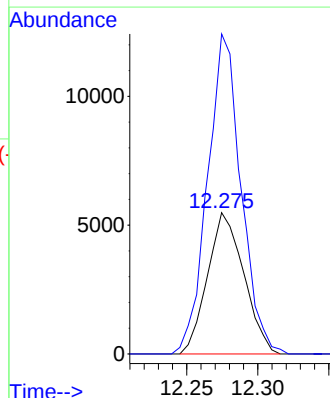
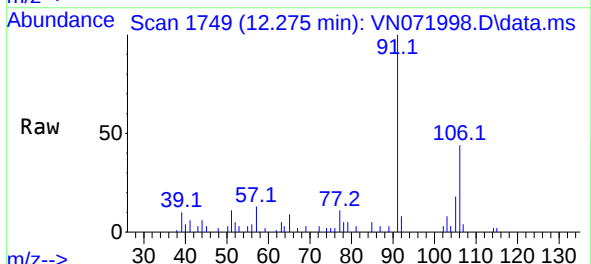
Instrument :
MSVOA_N
ClientSampleId :
220413003-02-VOA

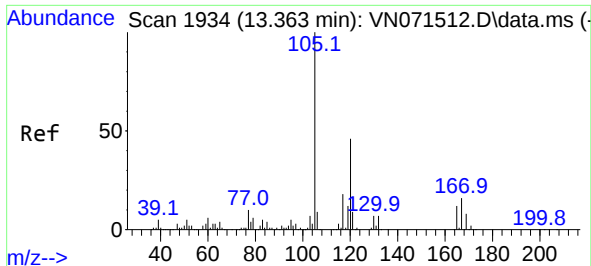
Tgt Ion:106 Resp: 15419
Ion Ratio Lower Upper
106 100
91 206.9 162.9 244.3



#68
o-Xylene
Concen: 0.929 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Tgt Ion:106 Resp: 9758
Ion Ratio Lower Upper
106 100
91 209.1 107.7 323.1

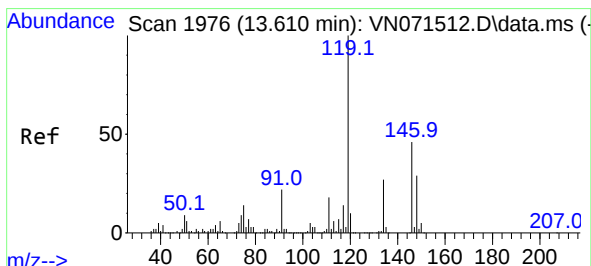
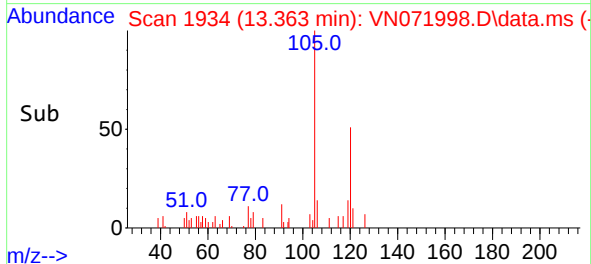
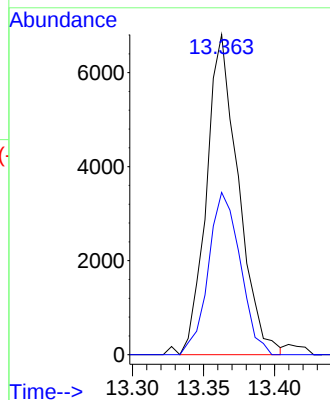
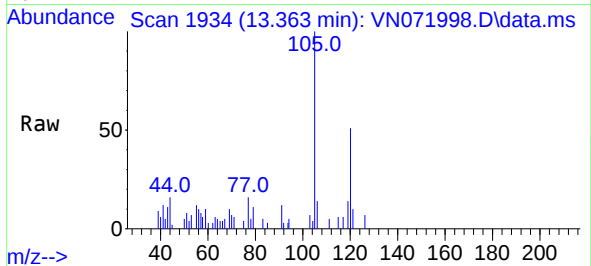




#80
1,2,4-Trimethylbenzene
Concen: 0.517 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

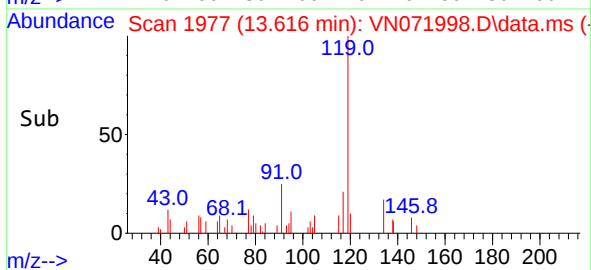
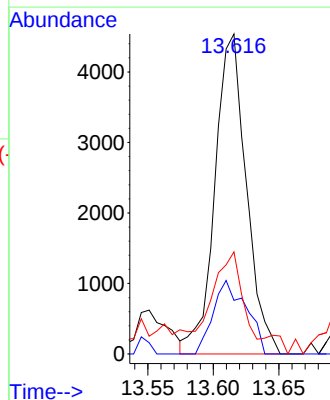
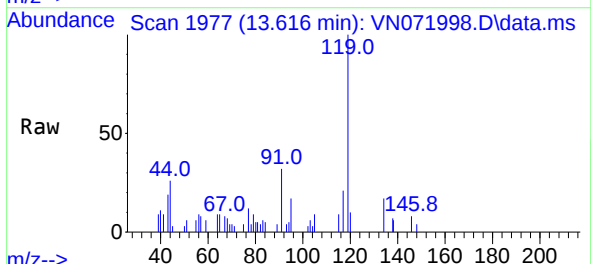
Instrument :
MSVOA_N
ClientSampleId :
220413003-02-VOA

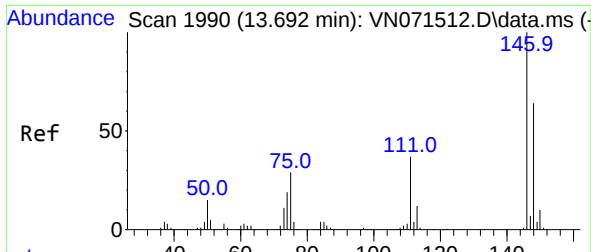
Tgt Ion:105 Resp: 10621
Ion Ratio Lower Upper
105 100
120 50.9 0.0 0.2#



#82
p-Isopropyltoluene
Concen: 0.362 ug/l
RT: 13.616 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Tgt Ion:119 Resp: 7546
Ion Ratio Lower Upper
119 100
134 24.1 0.0 51.8
91 28.9 0.0 50.4

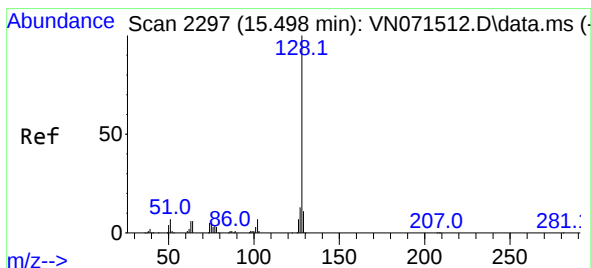
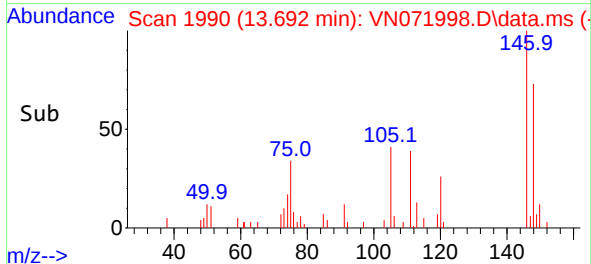
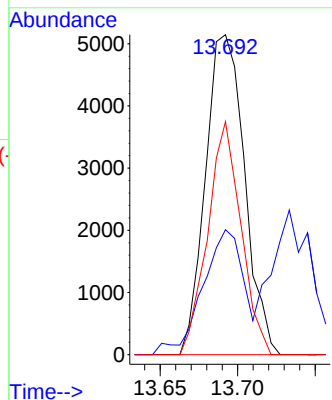
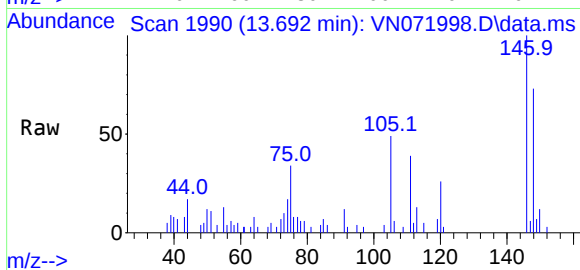




#84
1,4-Dichlorobenzene
Concen: 0.898 ug/l
RT: 13.692 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Instrument :
MSVOA_N
ClientSampleId :
220413003-02-VOA

Tgt Ion:	146	Resp:	9029
Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	62.0	31.1	93.5



#91
Naphthalene
Concen: 12.117 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071998.D
Acq: 14 Apr 2022 15:31

Tgt Ion:	128	Resp:	94948
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	10.9	9.0	13.6

