

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074357.D
 Acq On : 08 Sep 2022 14:24
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 09 05:27:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 09 05:24:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.580	128	69480	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	414918	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	343468	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	225245	31.575	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.267%	
60) 4-Bromofluorobenzene	12.674	95	183326	26.690	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 88.967%	
63) Toluene-d8	10.380	98	600513	31.127	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.767%	
Target Compounds						Qvalue
3) Chloromethane	2.263	50	4936	0.728	ug/l	91
5) Bromomethane	2.751	94	968	0.217	ug/l	95
6) Chloroethane	3.075	64	1294	0.263	ug/l	95
11) Methyl Iodide	4.340	142	1753	0.308	ug/l #	68
13) Acrolein	3.898	56	586	0.432	ug/l	85
14) Acrylonitrile	5.469	53	3806	0.976	ug/l #	44
15) Acetone	4.222	58	622	0.602	ug/l	86
16) Carbon Disulfide	4.457	76	19523	1.471	ug/l	96
18) Methylene Chloride	5.010	84	4442	0.754	ug/l #	84
19) trans-1,2-Dichloroethene	5.504	96	2530	0.478	ug/l #	68
22) cis-1,2-Dichloroethene	7.251	96	2160	0.336	ug/l #	74
23) tert-Butyl Alcohol	5.287	59	1005	0.595	ug/l #	100
29) 1,1-Dichloropropene	8.157	75	1886	0.229	ug/l	90
30) 2-Butanone	7.257	43	1278	0.219	ug/l #	35
31) 2,2-Dichloropropane	7.239	77	2720	0.270	ug/l	92
36) 1,2-Dichloroethane	8.457	62	2155	0.232	ug/l #	84
37) Trichloroethene	9.145	130	2714	0.466	ug/l #	52
40) Dibromomethane	9.516	93	1019	0.224	ug/l	72
42) Vinyl Acetate	6.345	43	8461	0.439	ug/l #	88
45) 1,4-Dioxane	9.510	88	578	3.390	ug/l #	54
47) n-amyl Acetate	12.333	43	5371	0.321	ug/l	92
48) t-1,3-Dichloropropene	10.657	75	3055	0.290	ug/l	99
49) cis-1,3-Dichloropropene	10.133	75	2682	0.249	ug/l #	56
50) 1,1,2-Trichloroethane	10.839	97	1877	0.292	ug/l #	66
55) 2-Chloroethyl vinyl ether	9.980	63	4811	0.876	ug/l	97
56) Bromoform	12.404	173	1177	0.224	ug/l #	86
58) 4-Methyl-2-Pentanone	10.274	43	4246	0.398	ug/l	91
59) 2-Hexanone	11.027	43	9458	1.137	ug/l	94
61) Tetrachloroethene	10.916	164	1681	0.394	ug/l #	78
62) Toluene	10.445	91	6634	0.267	ug/l	98
64) Chlorobenzene	11.716	112	6173	0.420	ug/l	94
66) Ethyl Benzene	11.786	91	7693	0.280	ug/l	94
67) m/p-Xylenes	11.904	106	6996	0.668	ug/l	89
68) o-Xylene	11.904	106	6996	0.655	ug/l	82
69) Styrene	12.239	104	6727	0.380	ug/l #	88
70) Isopropylbenzene	12.521	105	6060	0.218	ug/l #	82
71) 1,1,2,2-Tetrachloroethane	12.774	83	3415	0.353	ug/l #	63
72) 1,2,3-Trichloropropane	12.815	75	3998	0.503	ug/l	1
73) Bromobenzene	12.804	156	2957	0.491	ug/l	65

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

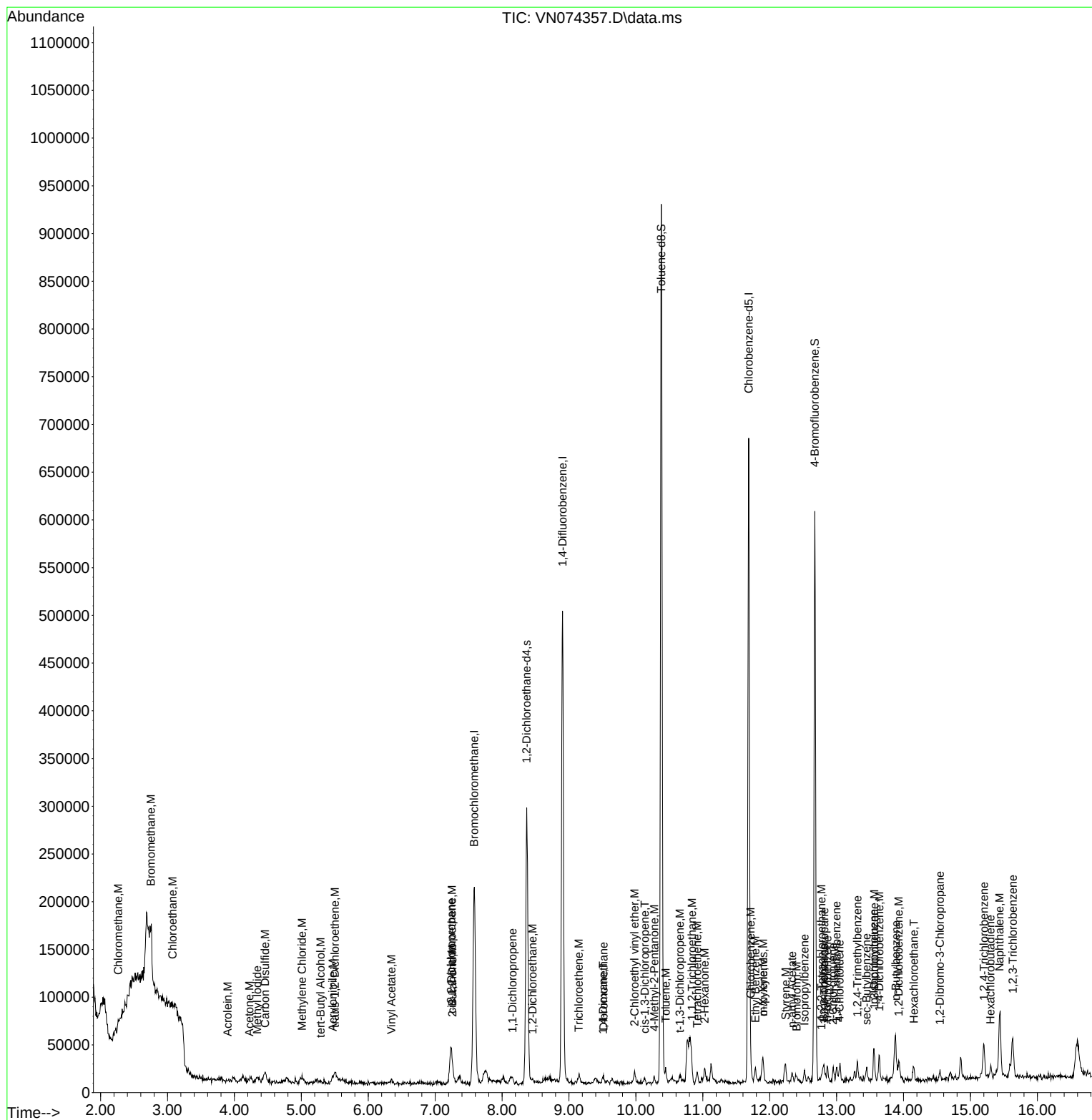
74) n-propylbenzene	12.863	91	11926	0.370	ug/l	96
75) 2-Chlorotoluene	12.945	91	8032	0.417	ug/l	97
76) 1,3,5-Trimethylbenzene	12.998	105	6823	0.292	ug/l	87
78) 4-Chlorotoluene	13.045	91	9572	0.505	ug/l	95
80) 1,2,4-Trimethylbenzene	13.310	105	7352	0.313	ug/l #	78
81) sec-Butylbenzene	13.445	105	7693	0.266	ug/l	95
82) p-Isopropyltoluene	13.557	119	7532	0.315	ug/l	92
83) 1,3-Dichlorobenzene	13.562	146	9597	0.848	ug/l	83
84) 1,4-Dichlorobenzene	13.639	146	9344	0.833	ug/l	95
85) n-Butylbenzene	13.886	91	9958	0.474	ug/l	92
86) Hexachloroethane	14.157	117	996	0.213	ug/l	84
87) 1,2-Dichlorobenzene	13.927	146	6291	0.537	ug/l	82
88) 1,2-Dibromo-3-Chloropr...	14.545	75	1990	0.839	ug/l #	71
89) 1,2,4-Trichlorobenzene	15.204	180	9811	1.603	ug/l	93
90) Hexachlorobutadiene	15.298	225	591	0.226	ug/l #	1
91) Naphthalene	15.433	128	70393	2.869	ug/l	97
92) 1,2,3-Trichlorobenzene	15.633	180	14630	2.354	ug/l	66

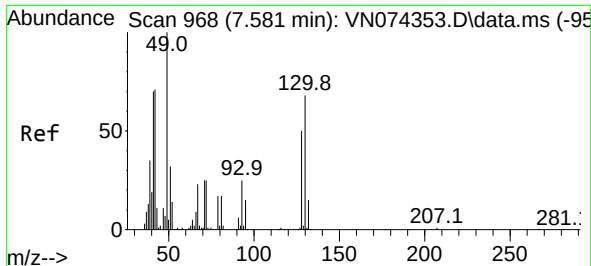
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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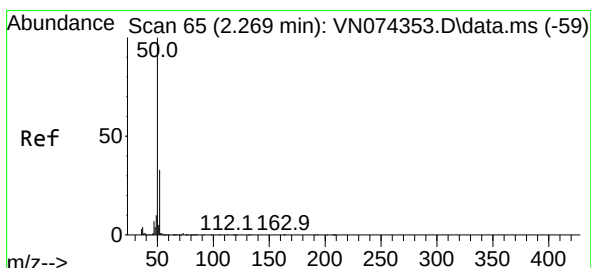
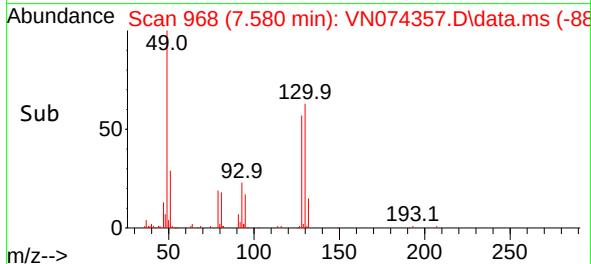
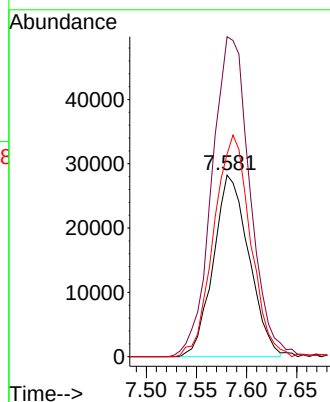
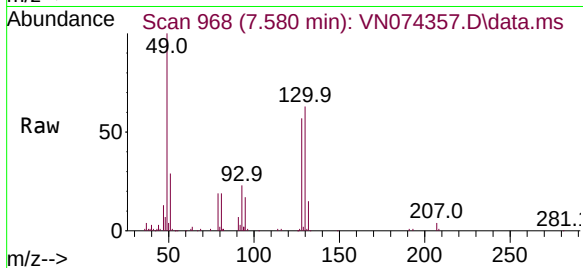




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.580 min Scan# 90
Delta R.T. -0.001 min
Lab File: VN074357.D
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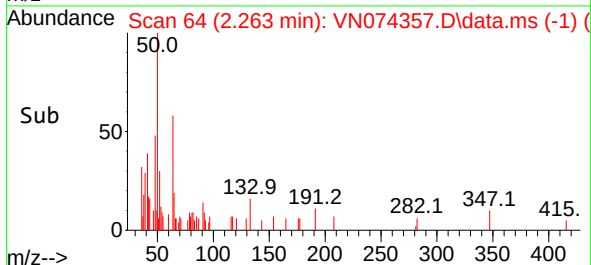
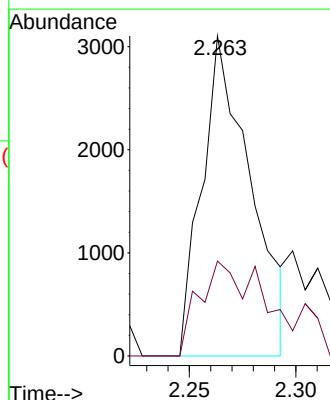
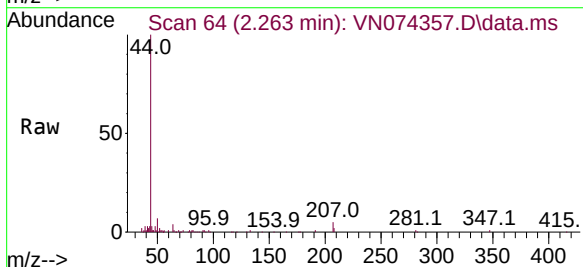
Instrument :
MSVOA_N
ClientSampleId :
IBLK

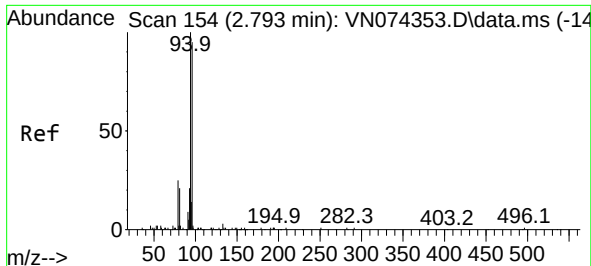
Tgt Ion:128 Resp: 69480
Ion Ratio Lower Upper
128 100
49 188.7 0.0 392.3
130 126.0 0.0 320.2



#3
Chloromethane
Concen: 0.728 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 50 Resp: 4936
Ion Ratio Lower Upper
50 100
52 29.6 27.8 41.6

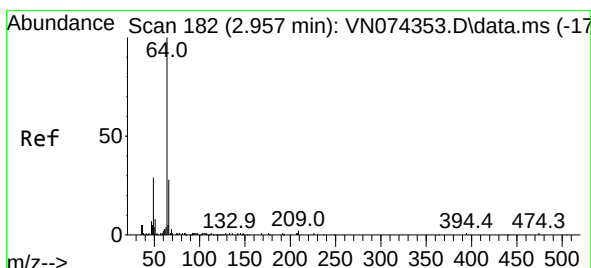
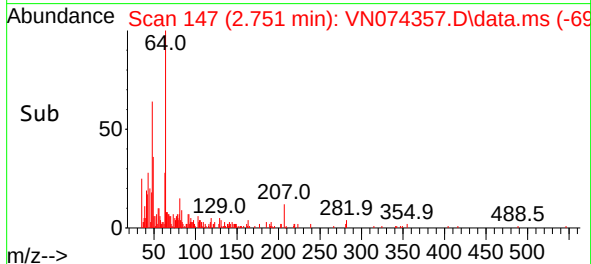
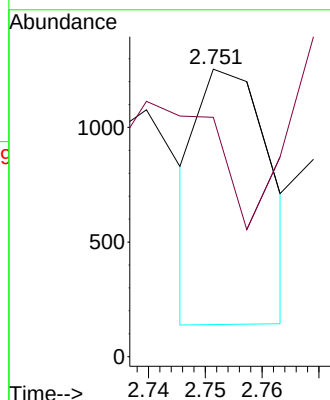
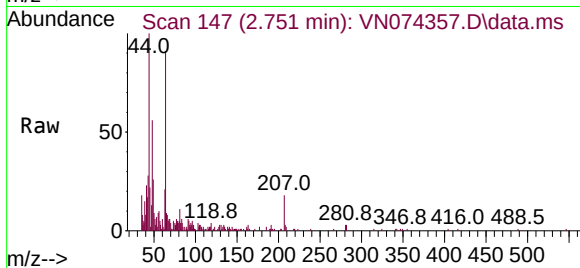




#5
Bromomethane
Concen: 0.217 ug/l
RT: 2.751 min Scan# 14
Delta R.T. -0.042 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

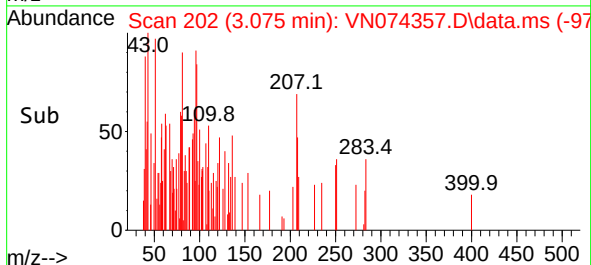
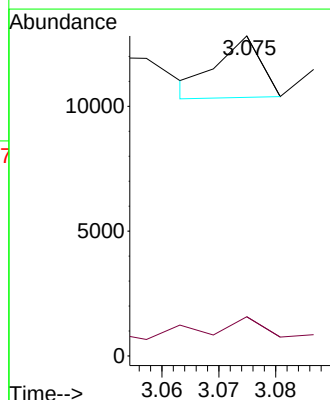
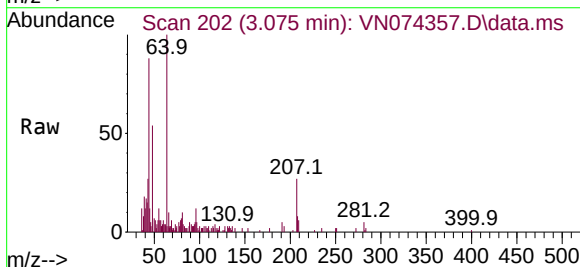
Instrument :
MSVOA_N
ClientSampleId :
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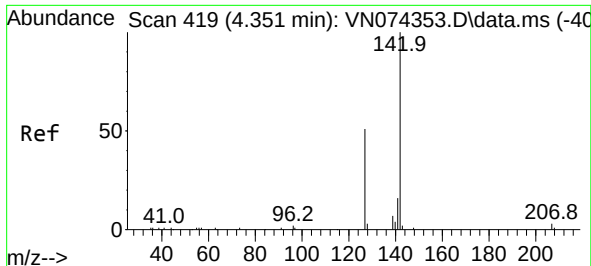
Tgt Ion: 94 Resp: 968
Ion Ratio Lower Upper
94 100
96 89.0 75.2 112.8



#6
Chloroethane
Concen: 0.263 ug/l
RT: 3.075 min Scan# 202
Delta R.T. 0.118 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 64 Resp: 1294
Ion Ratio Lower Upper
64 100
66 33.6 24.6 36.8

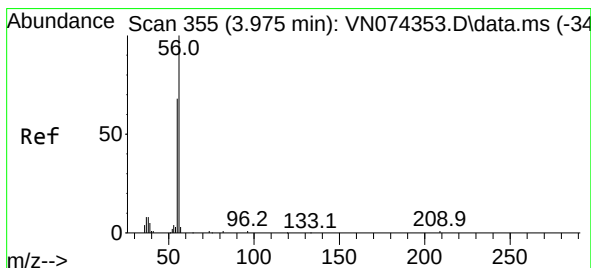
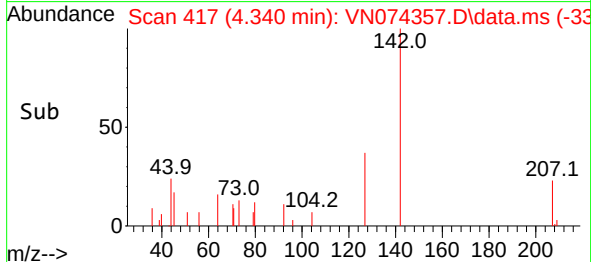
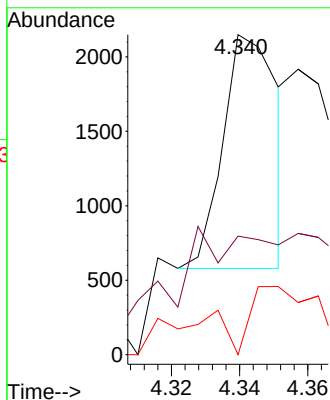
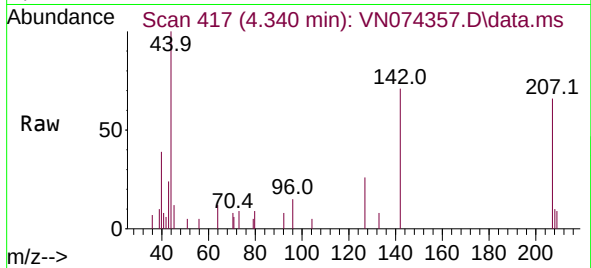




#11
Methyl Iodide
Concen: 0.308 ug/l
RT: 4.340 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

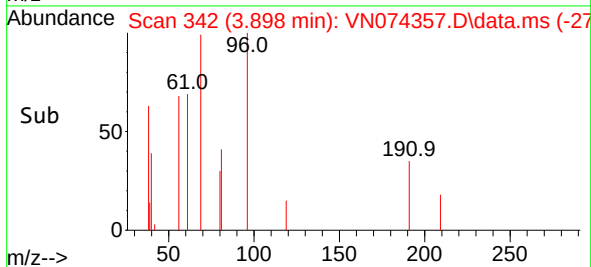
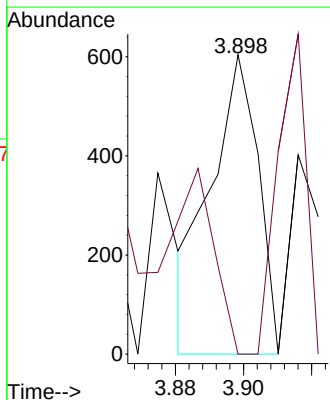
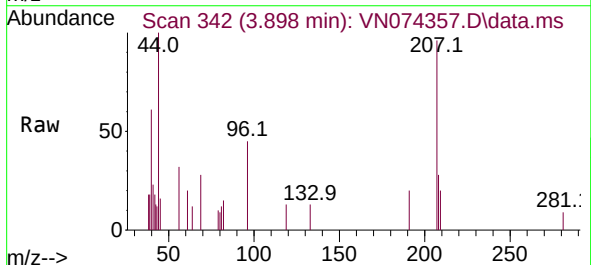
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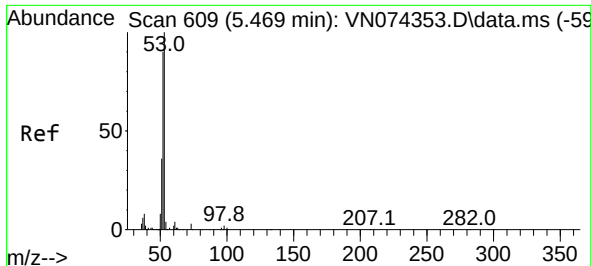
Tgt Ion:142 Resp: 1753
Ion Ratio Lower Upper
142 100
127 27.9 24.0 72.0
141 0.0 8.4 25.2#



#13
Acrolein
Concen: 0.432 ug/l
RT: 3.898 min Scan# 342
Delta R.T. -0.077 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 56 Resp: 586
Ion Ratio Lower Upper
56 100
55 59.4 57.6 86.4

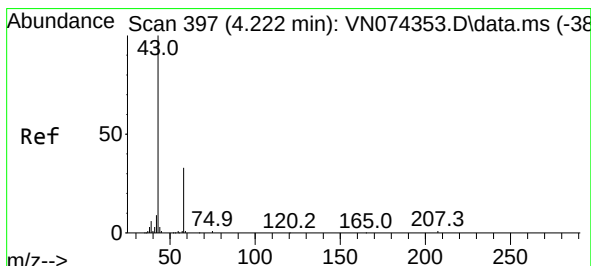
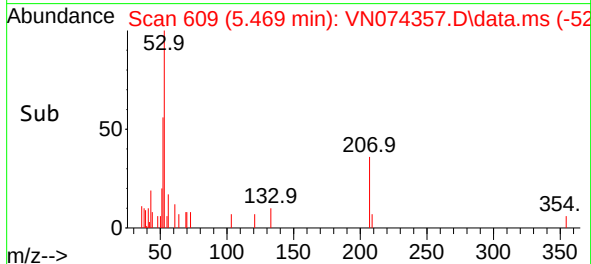
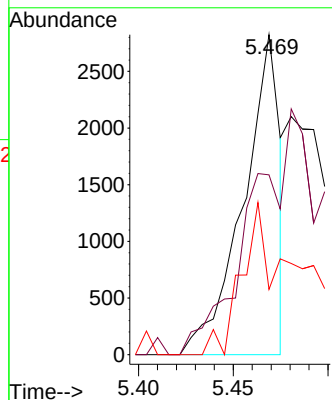
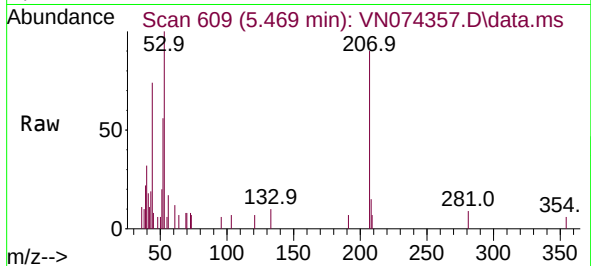




#14
Acrylonitrile
Concen: 0.976 ug/l
RT: 5.469 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

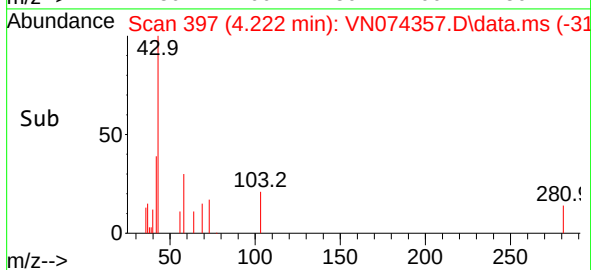
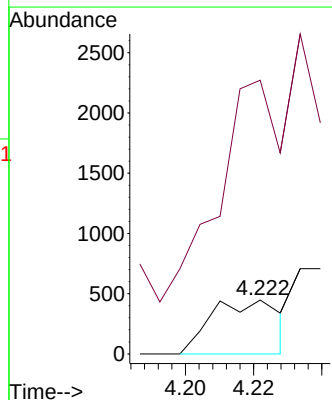
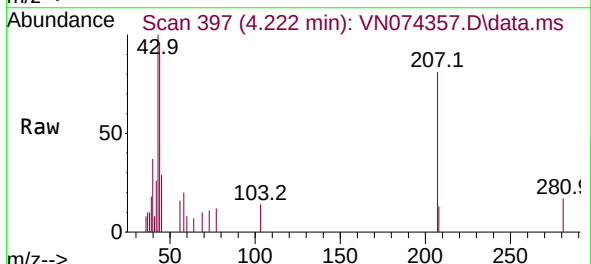
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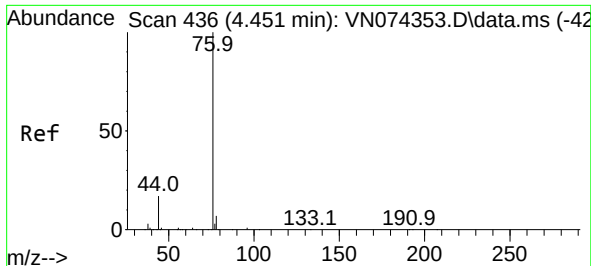
Tgt Ion: 53 Resp: 3806
Ion Ratio Lower Upper
53 100
52 20.2 41.8 125.4#
51 22.3 19.0 57.0



#15
Acetone
Concen: 0.602 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 58 Resp: 622
Ion Ratio Lower Upper
58 100
43 350.3 256.6 384.8

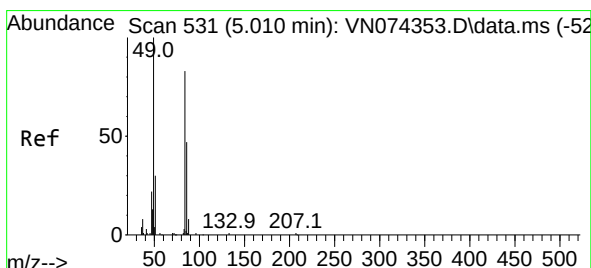
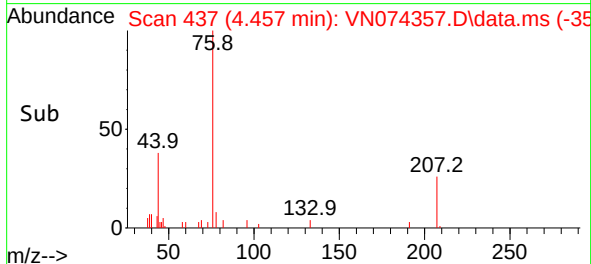
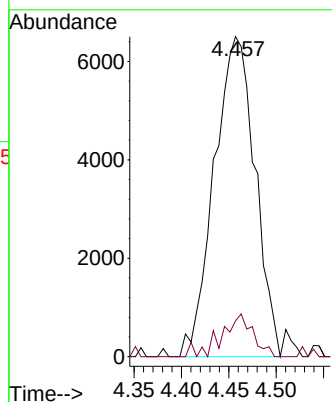
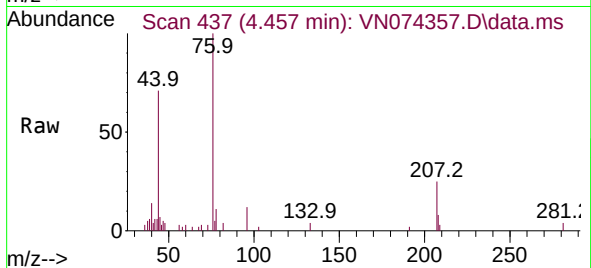




#16
Carbon Disulfide
Concen: 1.471 ug/l
RT: 4.457 min Scan# 41
Delta R.T. 0.006 min
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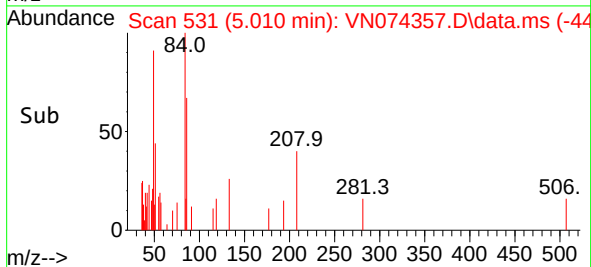
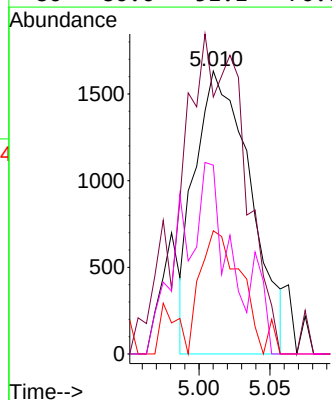
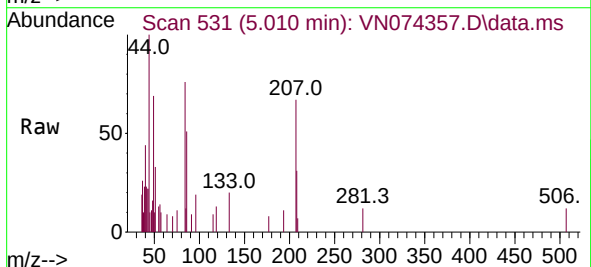
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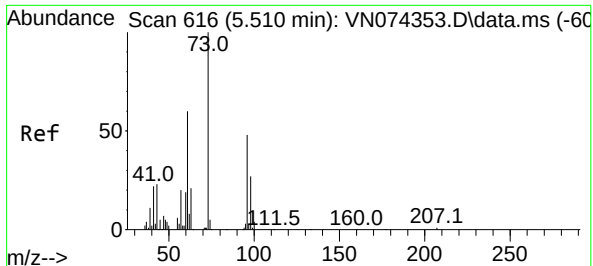
Tgt Ion: 76 Resp: 19523
Ion Ratio Lower Upper
76 100
78 11.2 7.8 11.8



#18
Methylene Chloride
Concen: 0.754 ug/l
RT: 5.010 min Scan# 531
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 84 Resp: 4442
Ion Ratio Lower Upper
84 100
49 117.9 91.4 137.0
51 56.6 29.4 44.0#
86 86.6 51.1 76.7#





#19

trans-1,2-Dichloroethene

Concen: 0.478 ug/l

RT: 5.504 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN074357.D

Acq: 08 Sep 2022 14:24

Instrument :

MSVOA_N

ClientSampleId :

IBLK

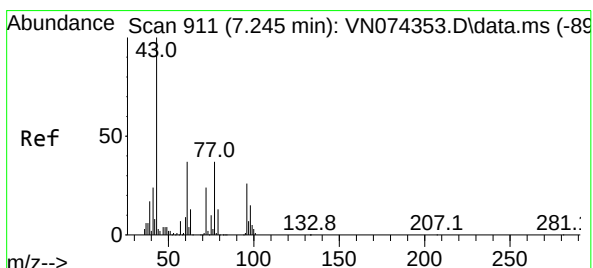
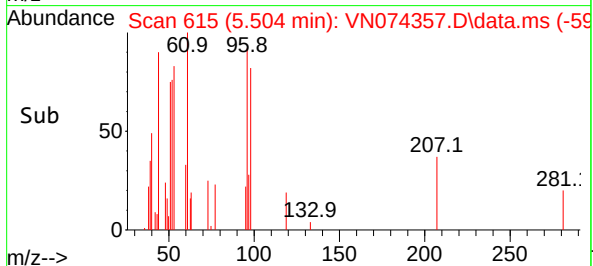
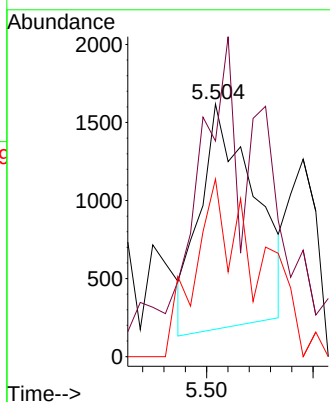
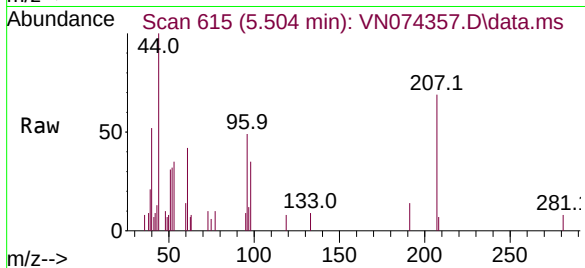
Tgt Ion: 96 Resp: 2530

Ion Ratio Lower Upper

96 100

61 79.3 102.8 154.2#

98 55.0 49.3 73.9



#22

cis-1,2-Dichloroethene

Concen: 0.336 ug/l

RT: 7.251 min Scan# 912

Delta R.T. 0.006 min

Lab File: VN074357.D

Acq: 08 Sep 2022 14:24

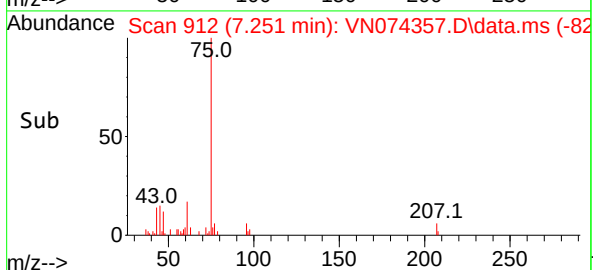
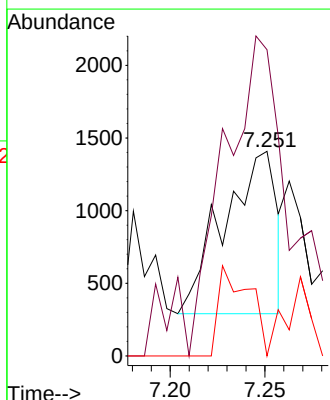
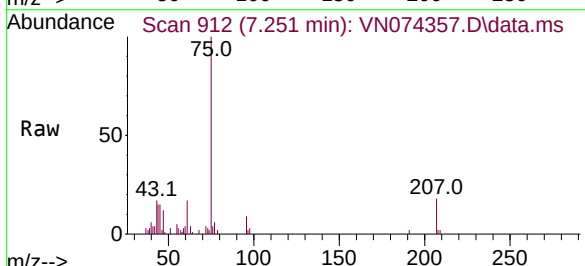
Tgt Ion: 96 Resp: 2160

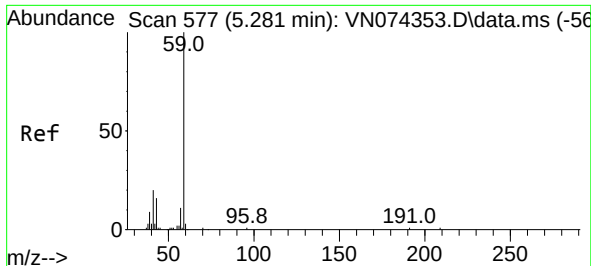
Ion Ratio Lower Upper

96 100

61 132.6 115.7 173.5

98 15.0 51.6 77.4#

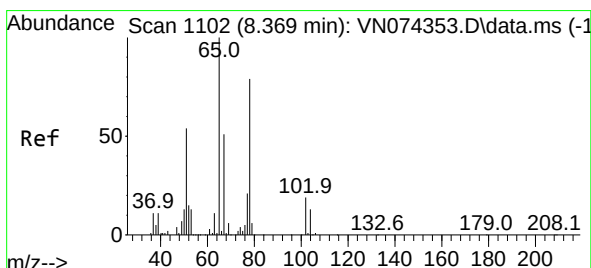
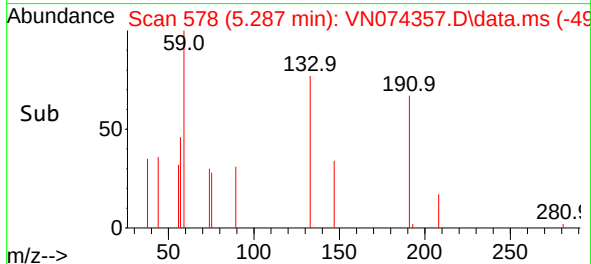
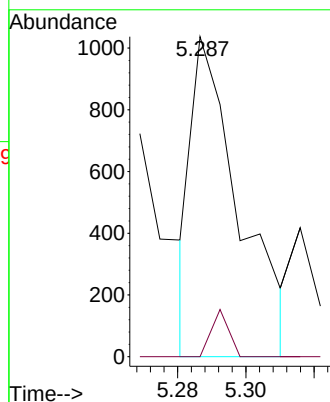
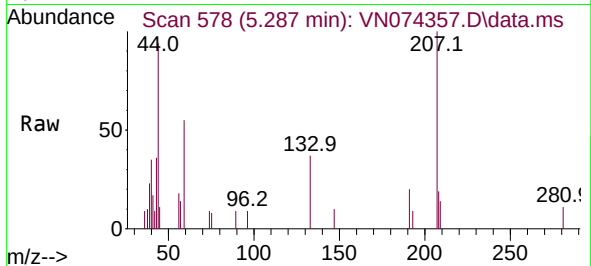




#23
tert-Butyl Alcohol
Concen: 0.595 ug/l
RT: 5.287 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

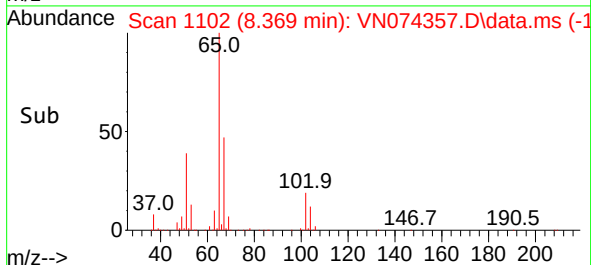
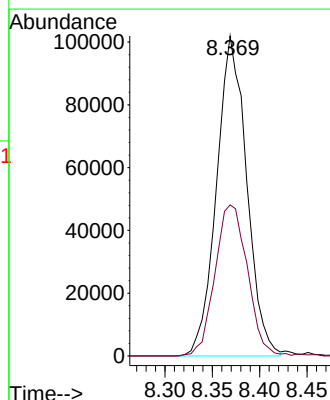
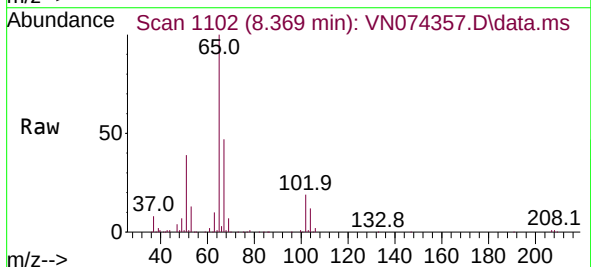
Instrument :
MSVOA_N
ClientSampleId :
IBLK

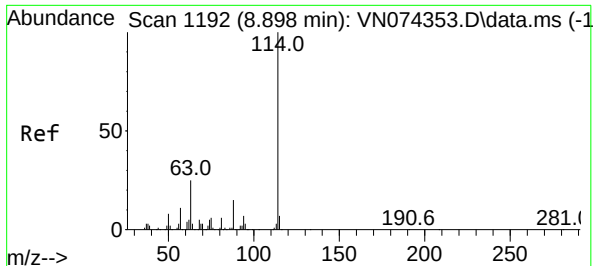
Tgt Ion: 59 Resp: 1005
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.575 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 65 Resp: 225245
Ion Ratio Lower Upper
65 100
67 50.7 40.2 60.2

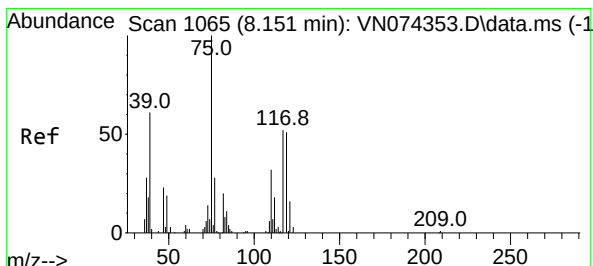
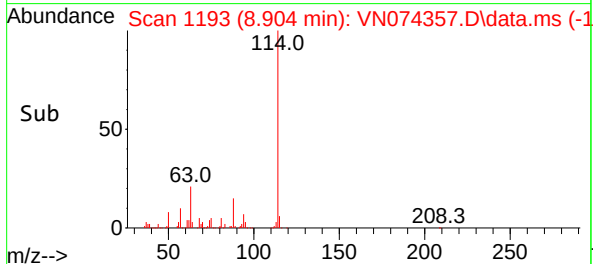
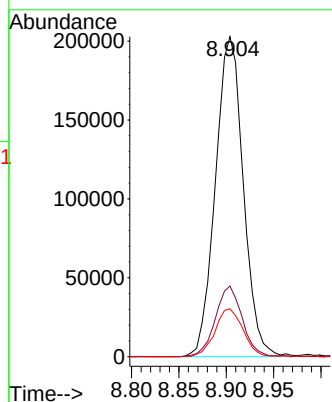
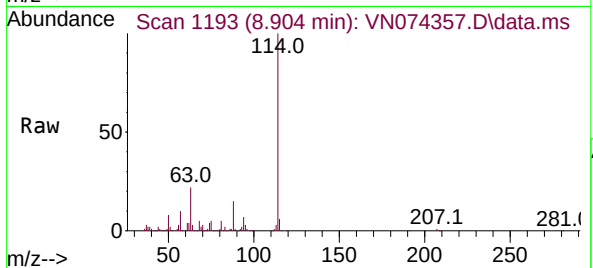




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

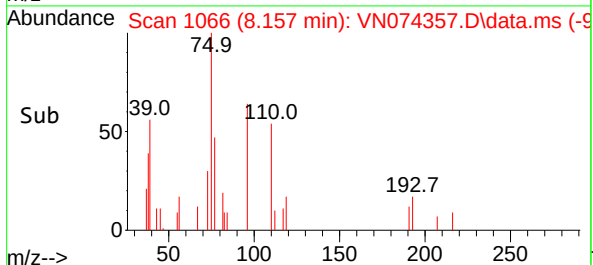
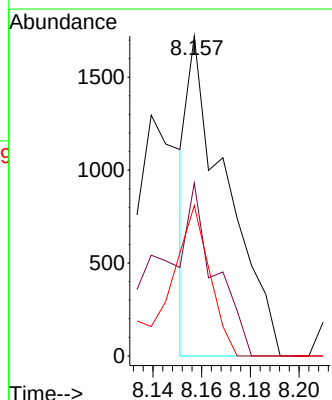
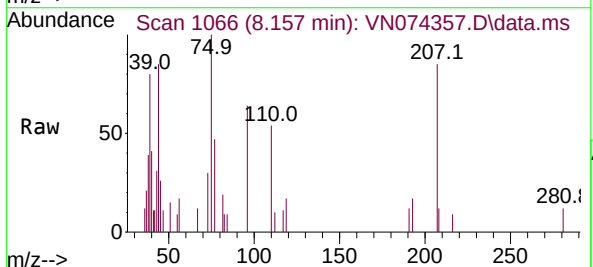
Instrument :
MSVOA_N
ClientSampleId :
IBLK

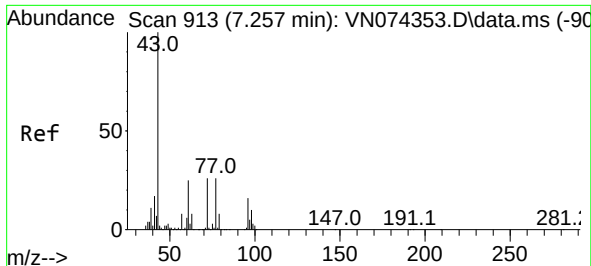
Tgt Ion:114 Resp: 414918
Ion Ratio Lower Upper
114 100
63 21.2 15.8 23.6
88 15.0 11.6 17.4



#29
1,1-Dichloropropene
Concen: 0.229 ug/l
RT: 8.157 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 75 Resp: 1886
Ion Ratio Lower Upper
75 100
110 38.3 0.0 74.2
77 42.9 0.0 63.2

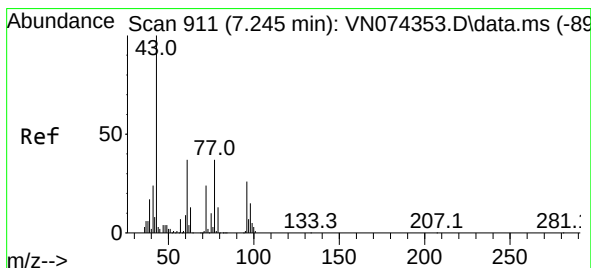
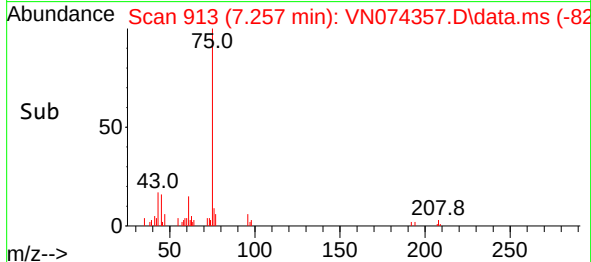
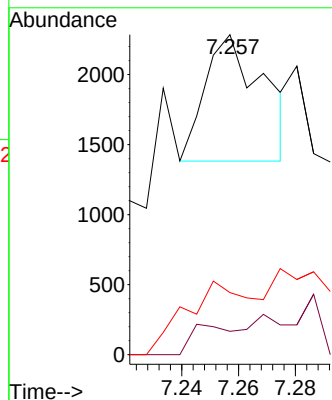
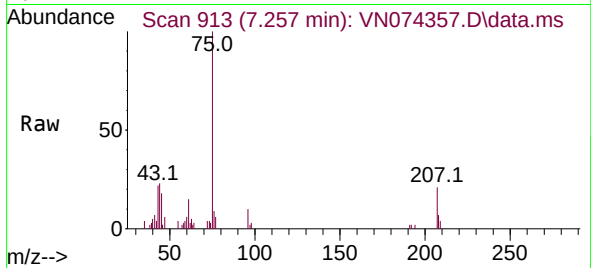




#30
2-Butanone
Concen: 0.219 ug/l
RT: 7.257 min Scan# 913
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

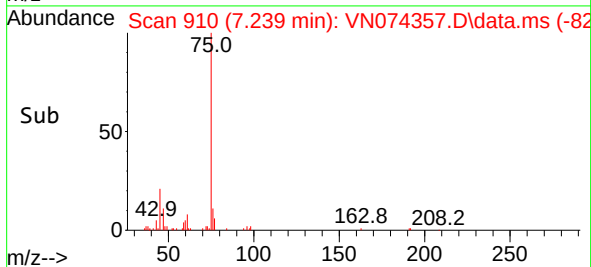
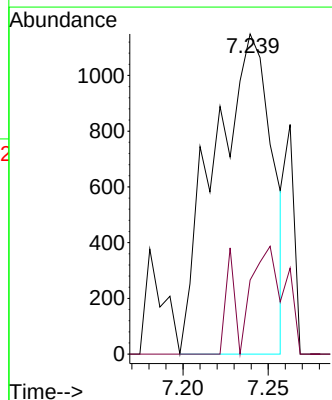
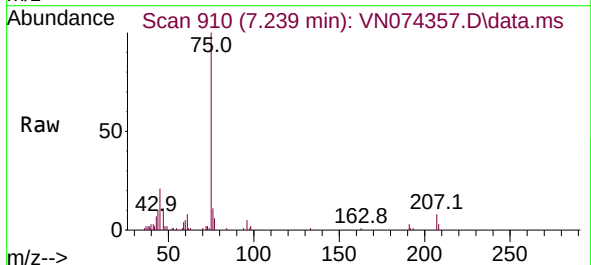
Instrument :
MSVOA_N
ClientSampleId :
IBLK

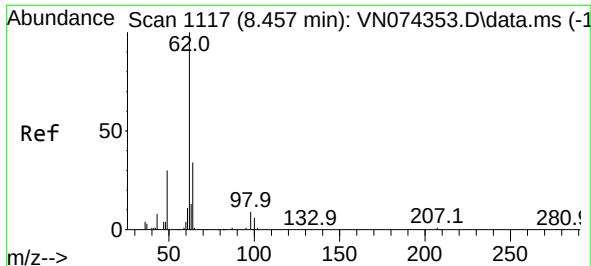
Tgt Ion: 43 Resp: 1278
Ion Ratio Lower Upper
43 100
57 16.1 6.7 10.1#
72 70.5 23.2 34.8#



#31
2,2-Dichloropropane
Concen: 0.270 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 77 Resp: 2720
Ion Ratio Lower Upper
77 100
97 19.2 18.3 27.5





#36

1,2-Dichloroethane

Concen: 0.232 ug/l

RT: 8.457 min Scan# 1117

Delta R.T. -0.000 min

Lab File: VN074357.D

Acq: 08 Sep 2022 14:24

Instrument :

MSVOA_N

ClientSampleId :

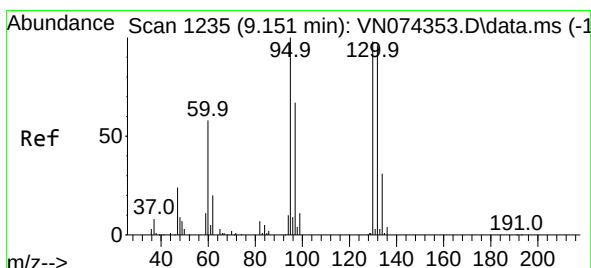
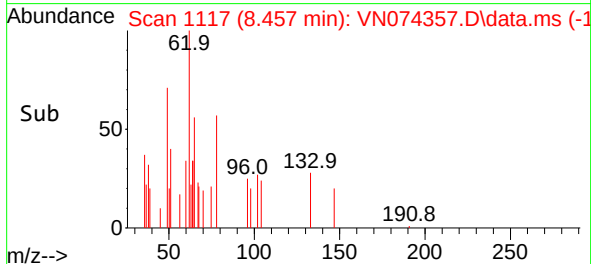
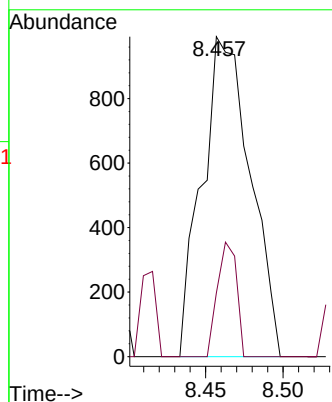
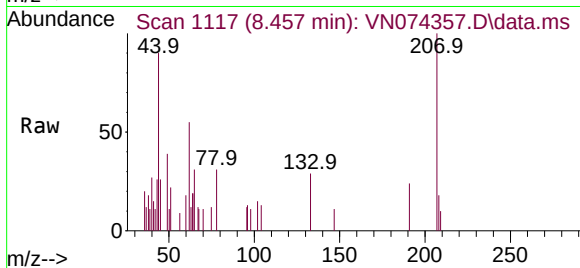
IBLK

Tgt Ion: 62 Resp: 2155

Ion Ratio Lower Upper

62 100

98 14.2 6.6 10.0#



#37

Trichloroethene

Concen: 0.466 ug/l

RT: 9.145 min Scan# 1234

Delta R.T. -0.006 min

Lab File: VN074357.D

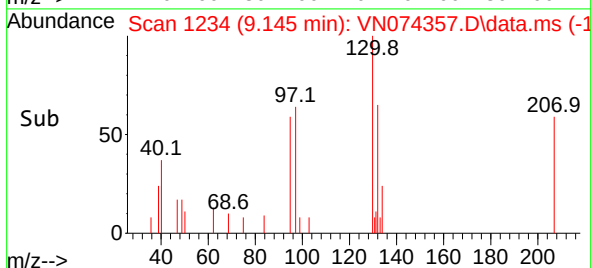
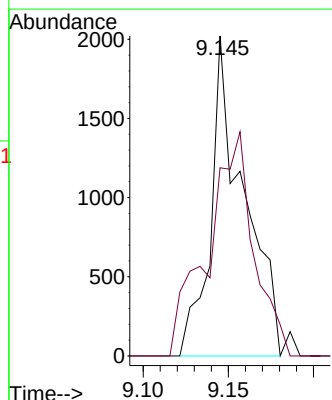
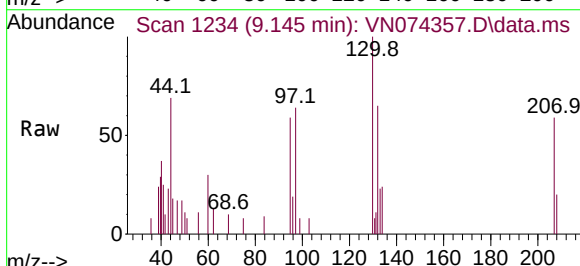
Acq: 08 Sep 2022 14:24

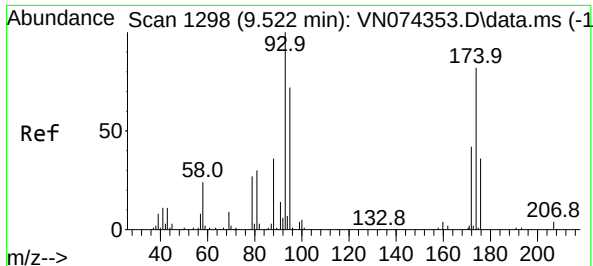
Tgt Ion:130 Resp: 2714

Ion Ratio Lower Upper

130 100

95 49.0 76.6 115.0#

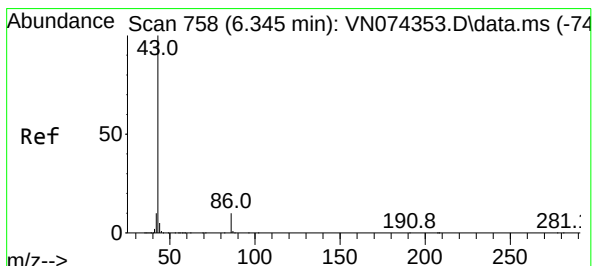
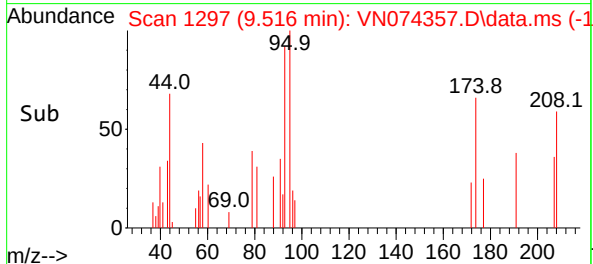
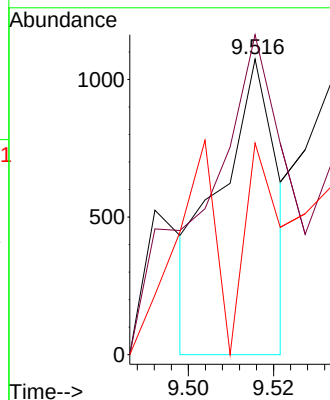
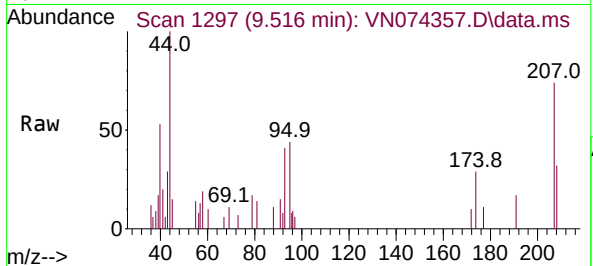




#40
Dibromomethane
Concen: 0.224 ug/l
RT: 9.516 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

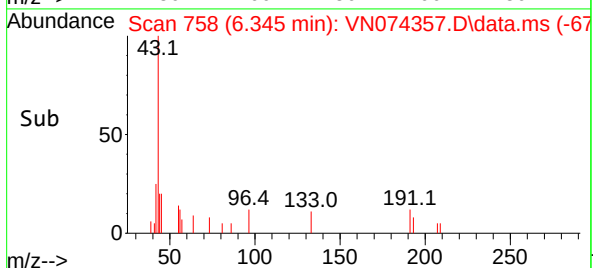
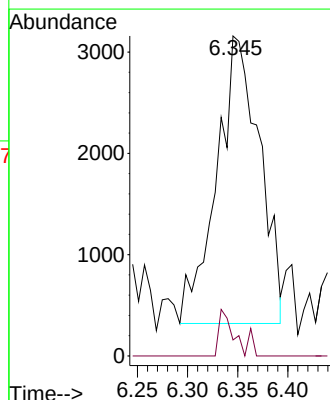
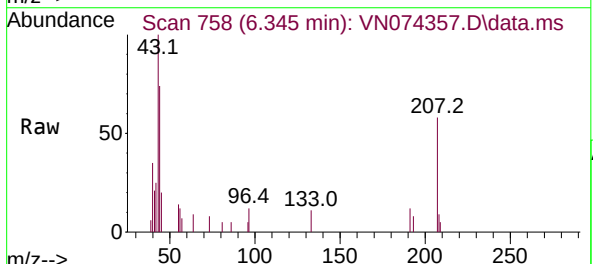
Instrument :
MSVOA_N
ClientSampleId :
IBLK

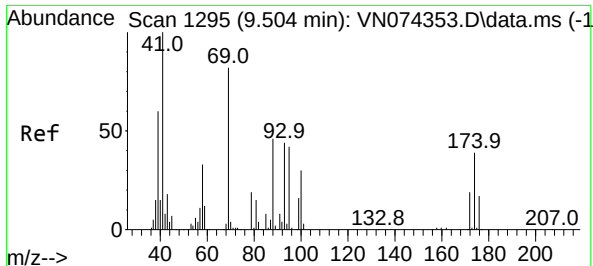
Tgt Ion: 93 Resp: 1019
Ion Ratio Lower Upper
93 100
95 77.9 0.0 168.8
174 42.7 0.0 173.6



#42
Vinyl Acetate
Concen: 0.439 ug/l
RT: 6.345 min Scan# 758
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

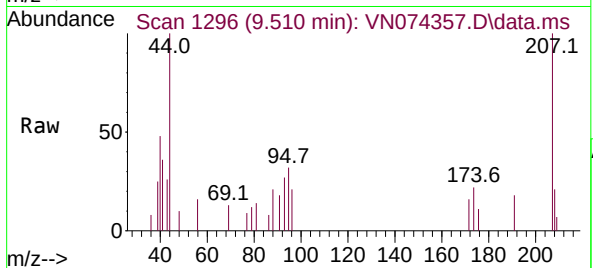
Tgt Ion: 43 Resp: 8461
Ion Ratio Lower Upper
43 100
86 5.0 7.5 11.3#



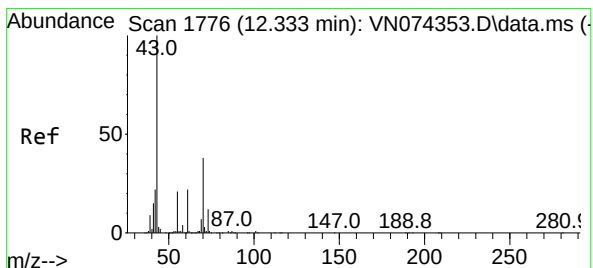
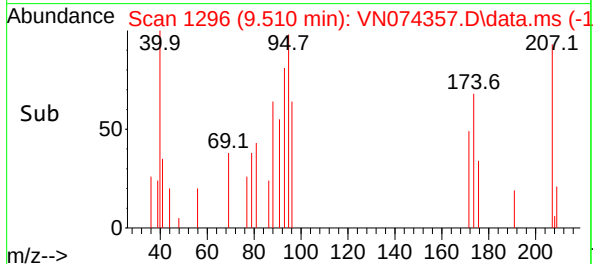
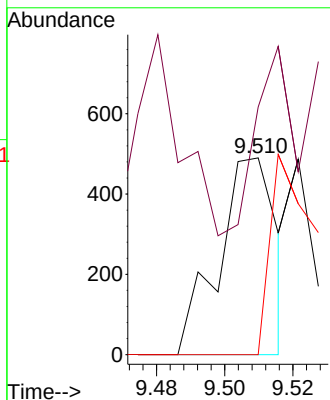


#45
1,4-Dioxane
Concen: 3.390 ug/l
RT: 9.510 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Instrument :
MSVOA_N
ClientSampleId :
IBLK

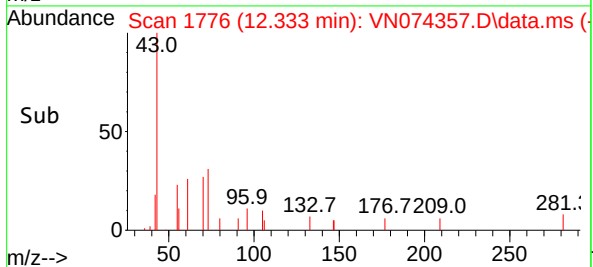
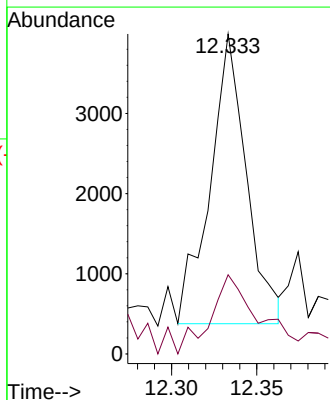
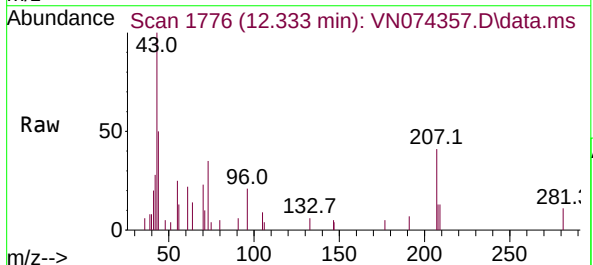


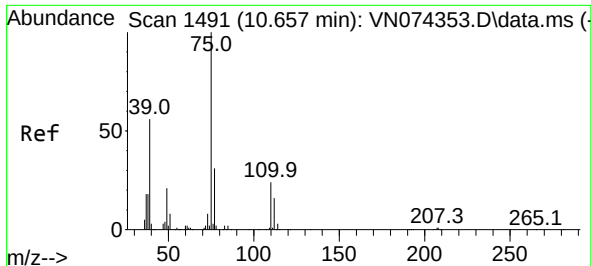
Tgt Ion: 88 Resp: 578
Ion Ratio Lower Upper
88 100
43 92.2 25.0 37.6#
58 72.0 49.4 74.2



#47
n-amy1 Acetate
Concen: 0.321 ug/l
RT: 12.333 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 43 Resp: 5371
Ion Ratio Lower Upper
43 100
55 20.0 19.0 28.6

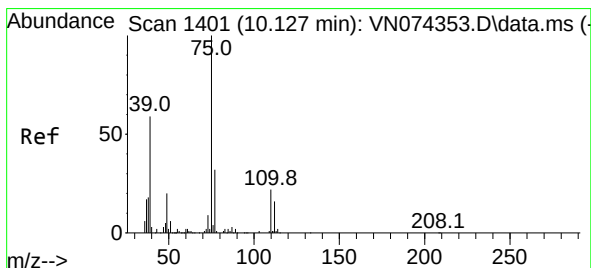
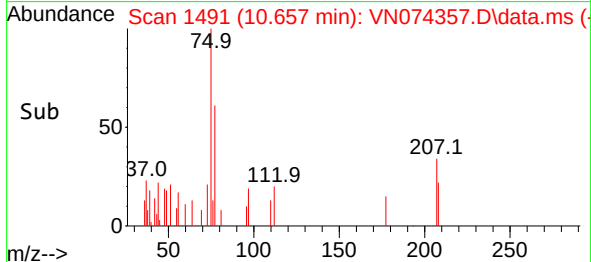
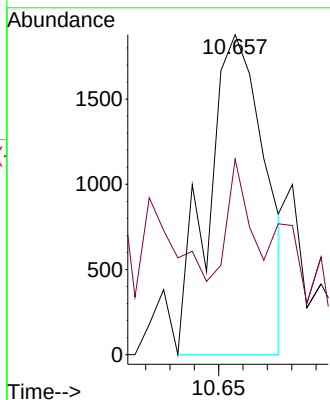
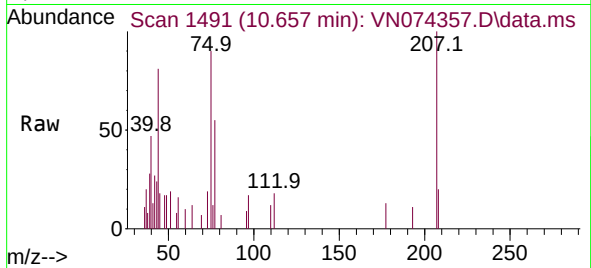




#48
t-1,3-Dichloropropene
Concen: 0.290 ug/l
RT: 10.657 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

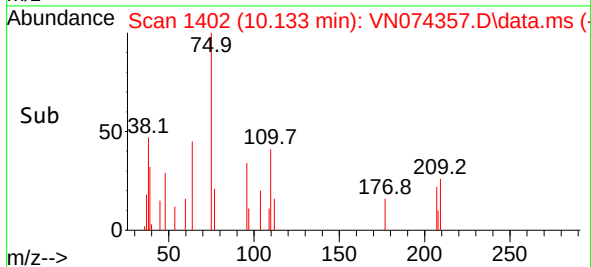
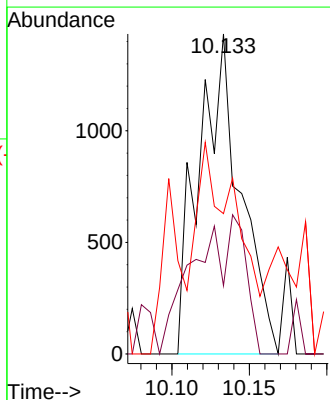
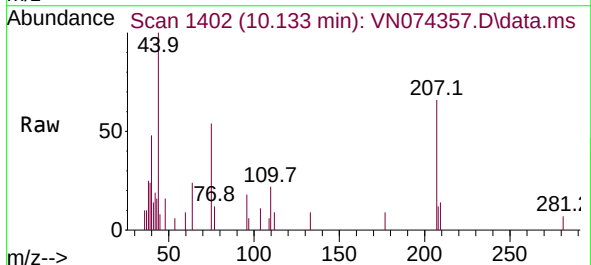
Instrument :
MSVOA_N
ClientSampleId :
IBLK

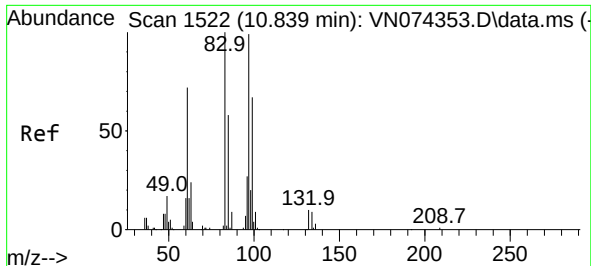
Tgt Ion: 75 Resp: 3055
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9



#49
cis-1,3-Dichloropropene
Concen: 0.249 ug/l
RT: 10.133 min Scan# 1402
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 75 Resp: 2682
Ion Ratio Lower Upper
75 100
77 21.3 25.3 37.9#
39 14.7 46.2 69.4#

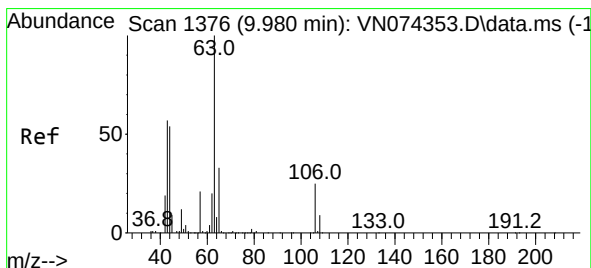
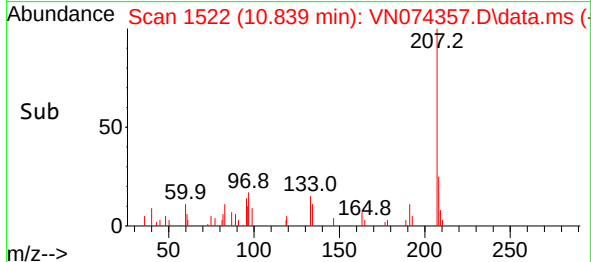
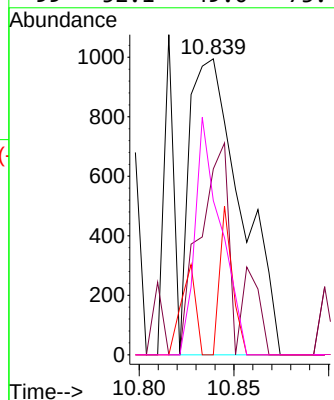
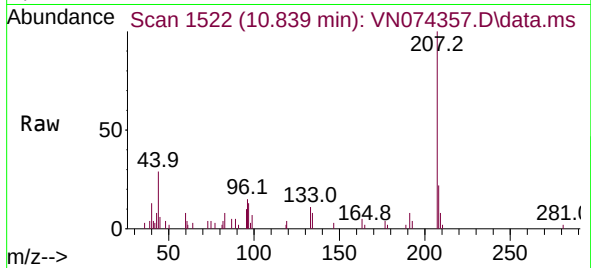




#50
1,1,2-Trichloroethane
Concen: 0.292 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

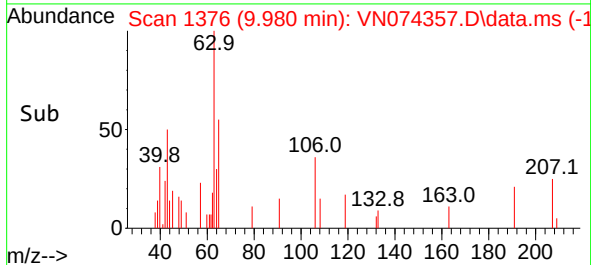
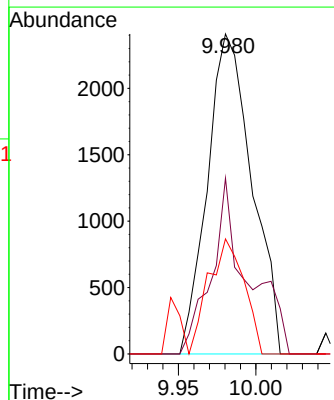
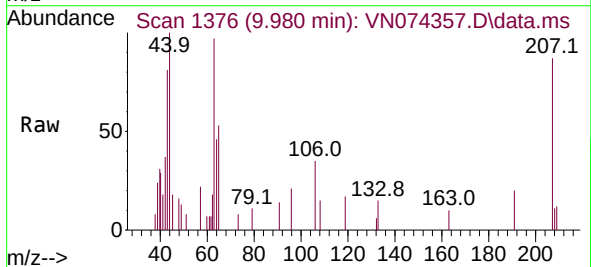
Instrument :
MSVOA_N
ClientSampleId :
IBLK

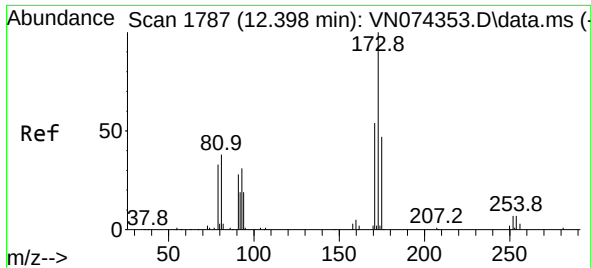
Tgt Ion:	97	Resp:	1877
Ion	Ratio	Lower	Upper
97	100		
83	62.8	67.2	100.8#
85	0.0	43.0	64.4#
99	52.1	49.0	73.4



#55
2-Chloroethyl vinyl ether
Concen: 0.876 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion:	63	Resp:	4811
Ion	Ratio	Lower	Upper
63	100		
65	34.6	25.4	38.0
106	28.8	23.2	34.8

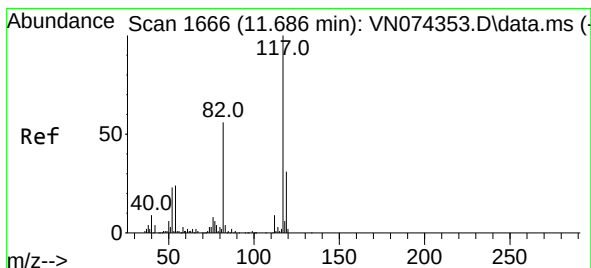
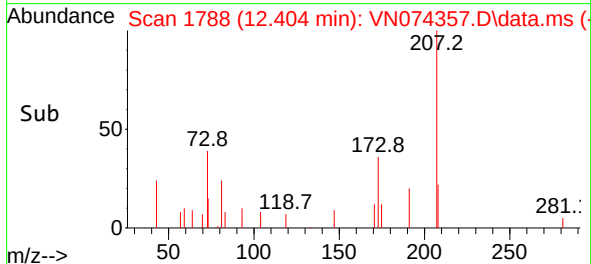
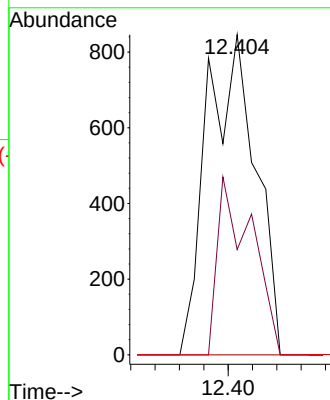
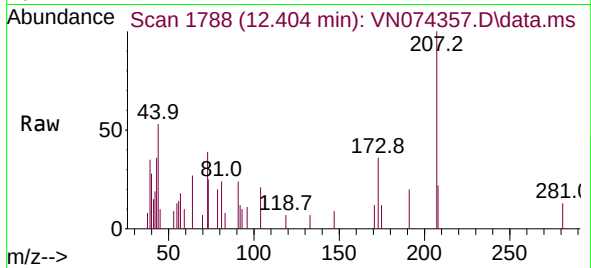




#56
Bromoform
Concen: 0.224 ug/l
RT: 12.404 min Scan# 1788
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

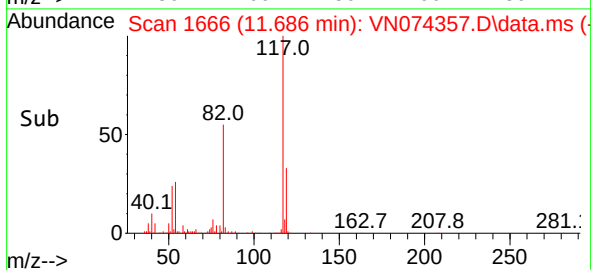
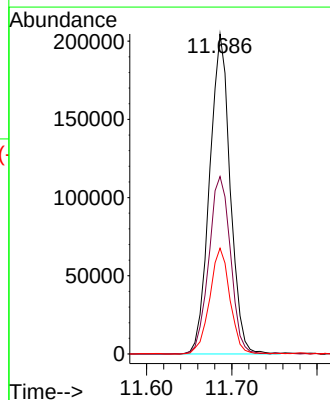
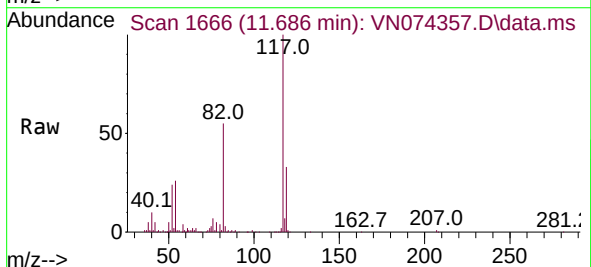
Instrument :
MSVOA_N
ClientSampleId :
IBLK

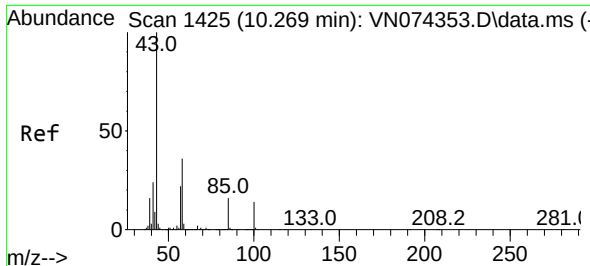
Tgt Ion:173 Resp: 1177
Ion Ratio Lower Upper
173 100
175 39.1 38.6 58.0
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion:117 Resp: 343468
Ion Ratio Lower Upper
117 100
82 58.3 43.6 65.4
119 32.4 25.8 38.6

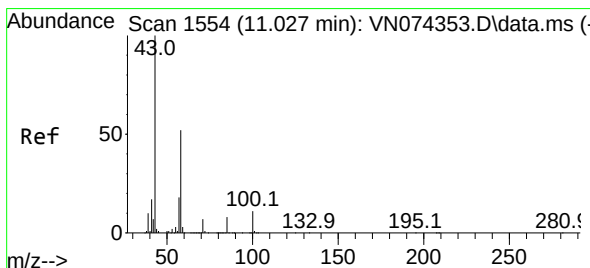
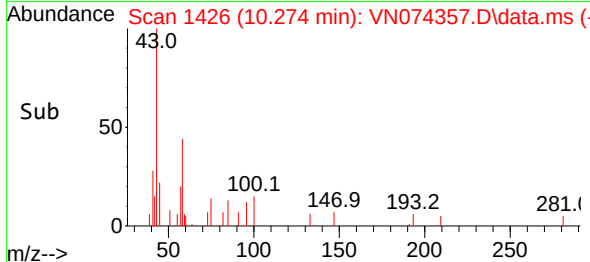
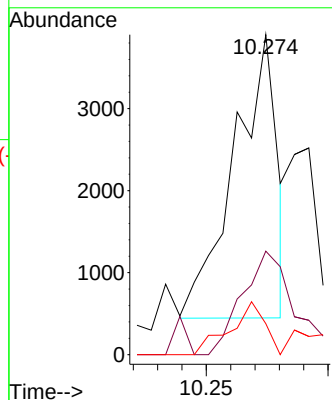
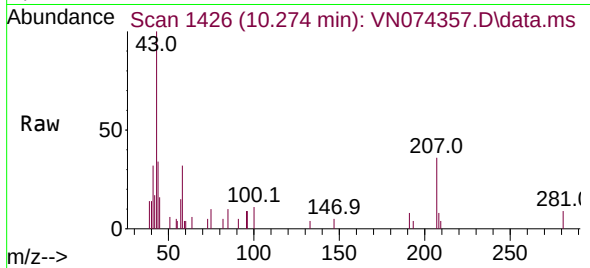




#58
4-Methyl-2-Pentanone
Concen: 0.398 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

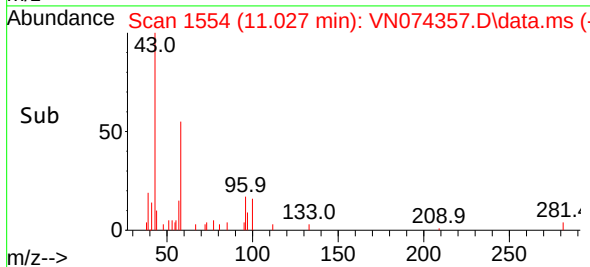
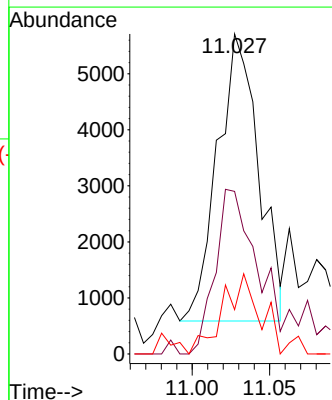
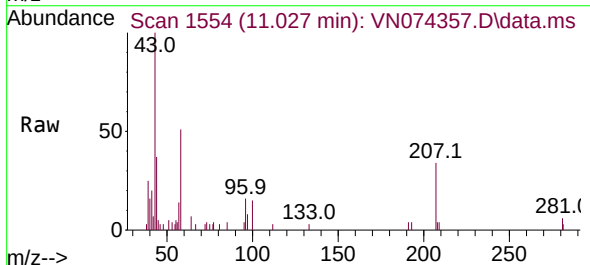
Instrument :
MSVOA_N
ClientSampleId :
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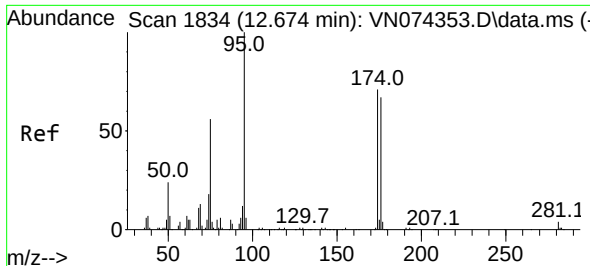
Tgt Ion: 43 Resp: 4246
Ion Ratio Lower Upper
43 100
58 43.2 30.0 45.0
85 15.1 15.0 22.6



#59
2-Hexanone
Concen: 1.137 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 43 Resp: 9458
Ion Ratio Lower Upper
43 100
58 58.3 42.2 63.2
57 19.1 15.0 22.4

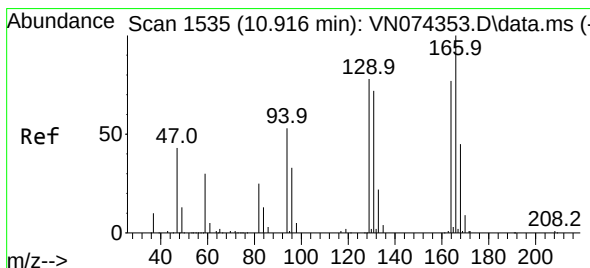
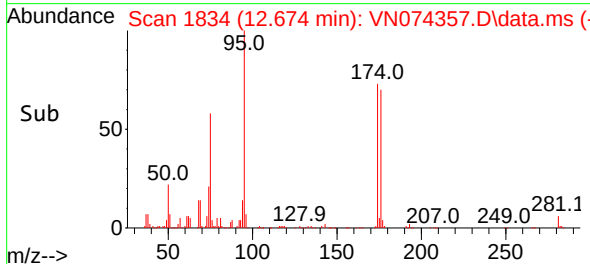
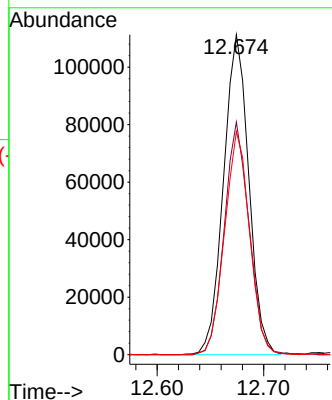
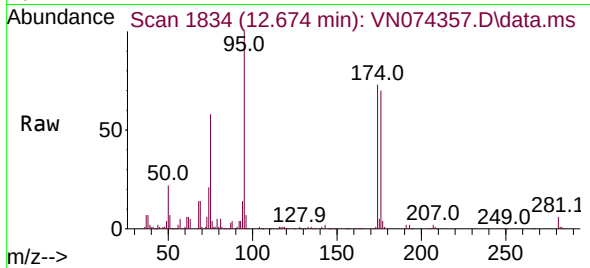




#60
4-Bromofluorobenzene
Concen: 26.690 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

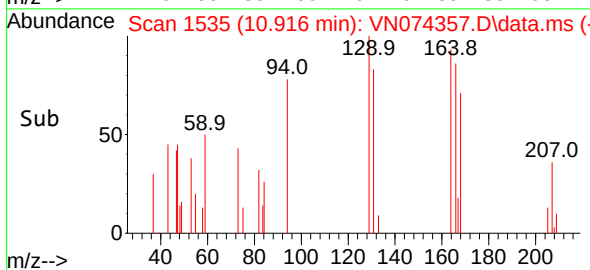
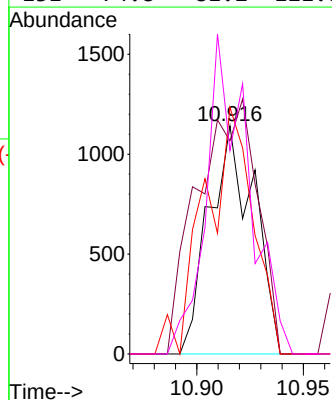
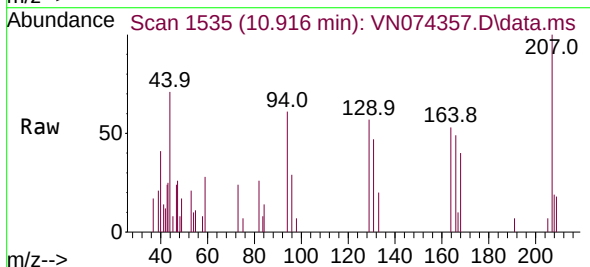
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MSVOA_N
ClientSampleId :
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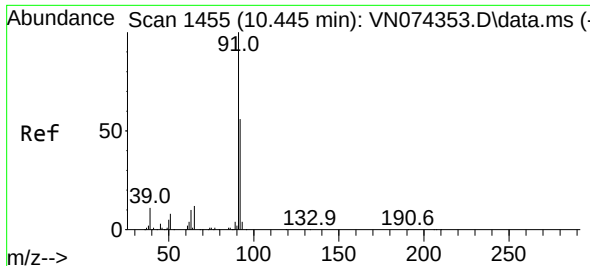
Tgt Ion: 95 Resp: 183326
Ion Ratio Lower Upper
95 100
174 71.3 62.9 94.3
176 69.1 61.0 91.4



#61
Tetrachloroethene
Concen: 0.394 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion:164 Resp: 1681
Ion Ratio Lower Upper
164 100
166 93.4 105.8 158.8#
129 108.1 82.5 123.7
131 74.8 81.2 121.8#

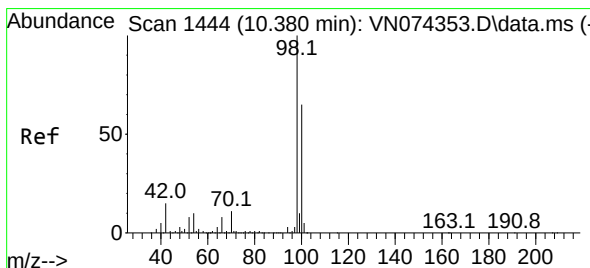
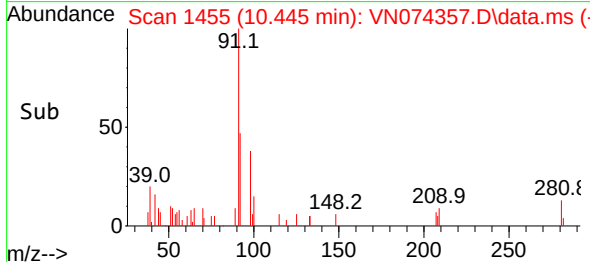
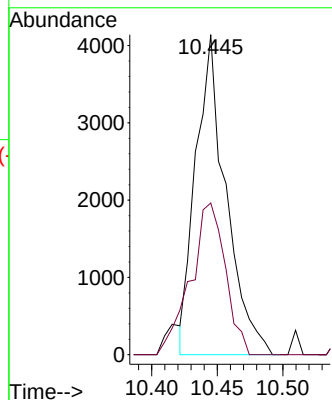
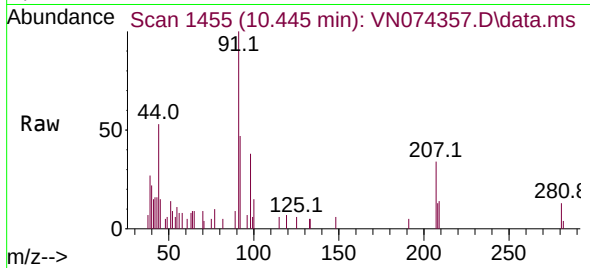




#62
Toluene
Concen: 0.267 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

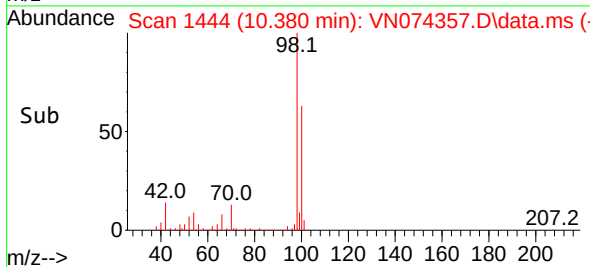
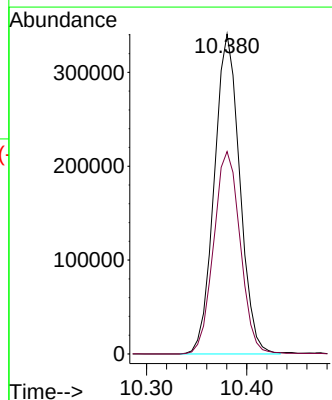
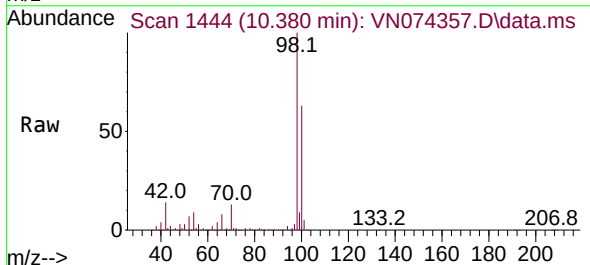
Instrument :
MSVOA_N
ClientSampleId :
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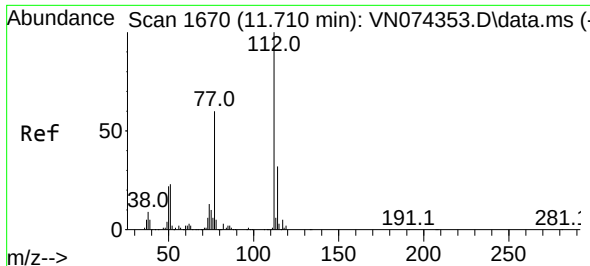
Tgt Ion: 91 Resp: 6634
Ion Ratio Lower Upper
91 100
92 54.5 44.6 67.0



#63
Toluene-d8
Concen: 31.127 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 98 Resp: 600513
Ion Ratio Lower Upper
98 100
100 65.9 50.6 76.0

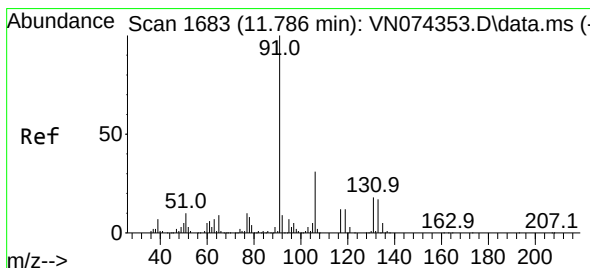
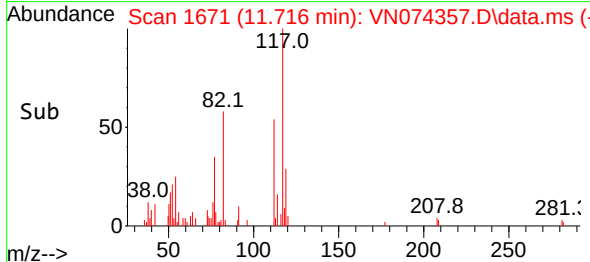
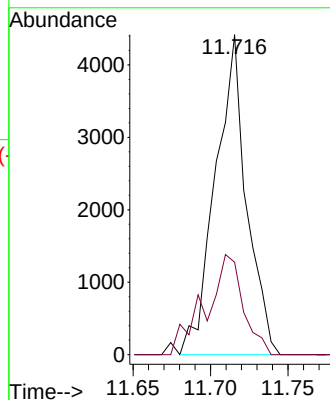
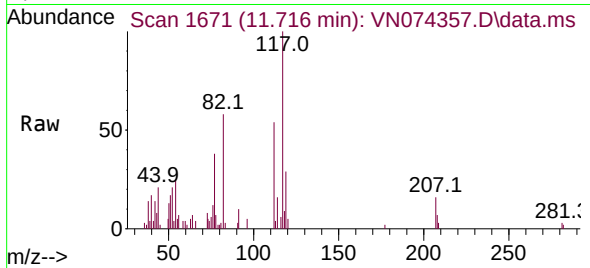




#64
Chlorobenzene
Concen: 0.420 ug/l
RT: 11.716 min Scan# 1671
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

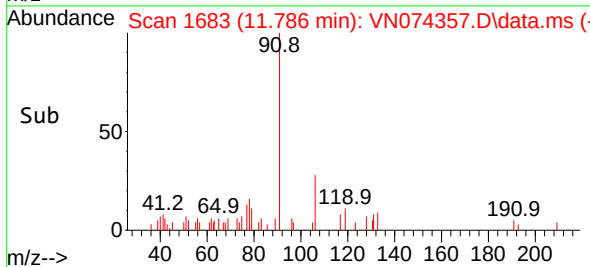
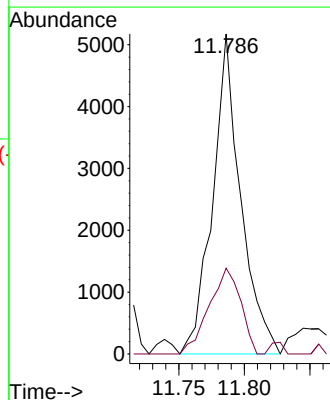
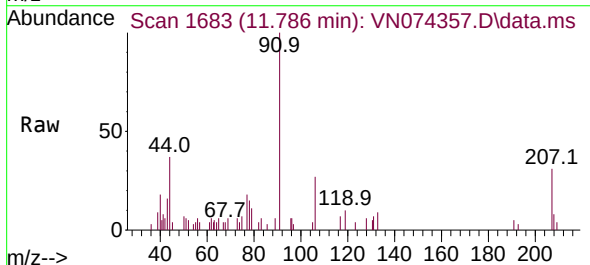
Instrument :
MSVOA_N
ClientSampleId :
IBLK

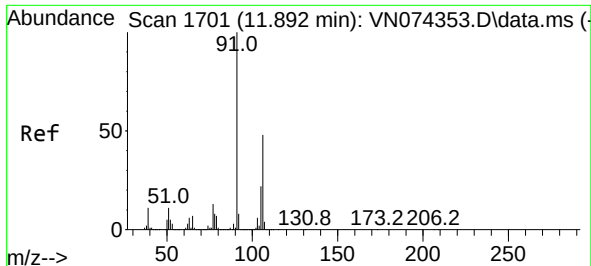
Tgt Ion:112 Resp: 6173
Ion Ratio Lower Upper
112 100
114 28.9 25.8 38.6



#66
Ethyl Benzene
Concen: 0.280 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 91 Resp: 7693
Ion Ratio Lower Upper
91 100
106 26.8 24.0 36.0

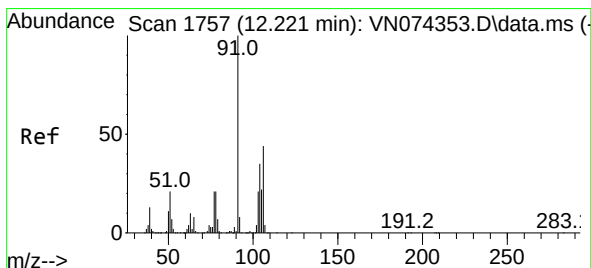
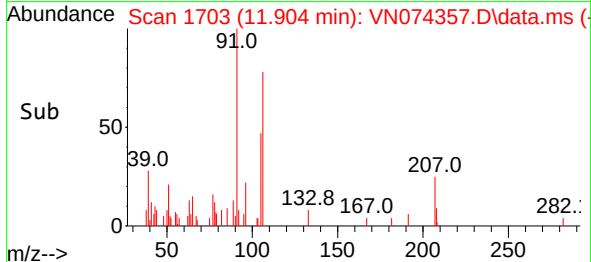
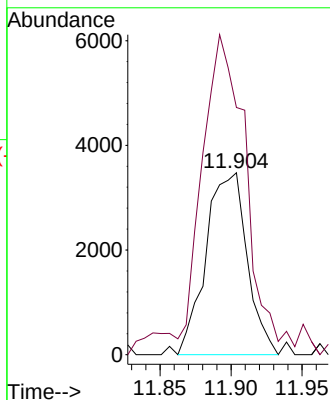
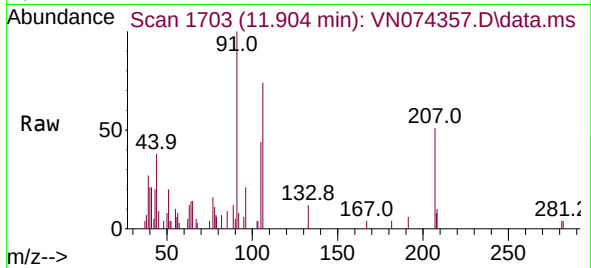




#67
m/p-Xylenes
Concen: 0.668 ug/l
RT: 11.904 min Scan# 1703
Delta R.T. 0.012 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

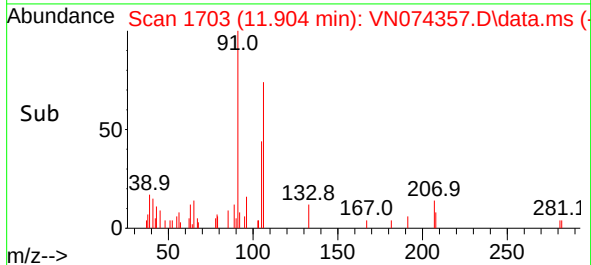
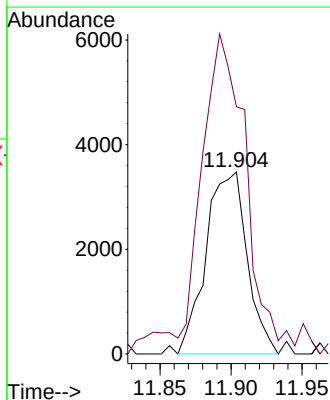
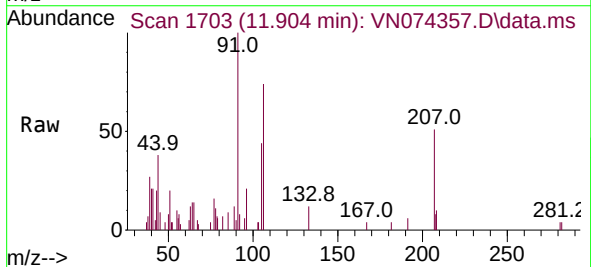
Instrument :
MSVOA_N
ClientSampleId :
IBLK

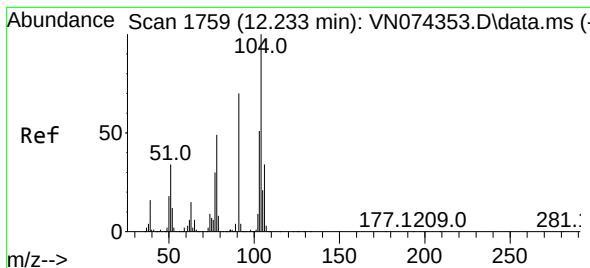
Tgt Ion:106 Resp: 6996
Ion Ratio Lower Upper
106 100
91 186.8 162.9 244.3



#68
o-Xylene
Concen: 0.655 ug/l
RT: 11.904 min Scan# 1703
Delta R.T. -0.318 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion:106 Resp: 6996
Ion Ratio Lower Upper
106 100
91 186.8 107.7 323.1





#69

Styrene

Concen: 0.380 ug/l

RT: 12.239 min Scan# 1759

Delta R.T. 0.006 min

Lab File: VN074357.D

Acq: 08 Sep 2022 14:24

Instrument :

MSVOA_N

ClientSampleId :

IBLK

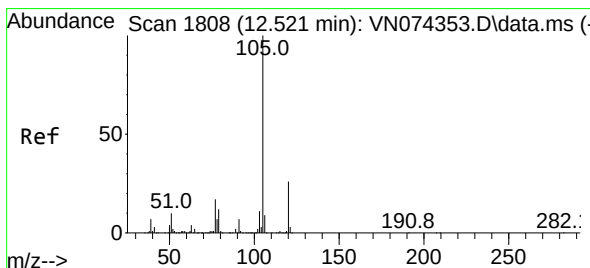
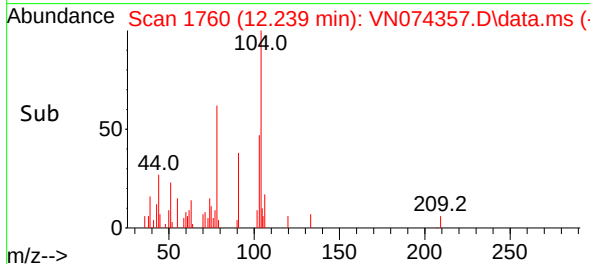
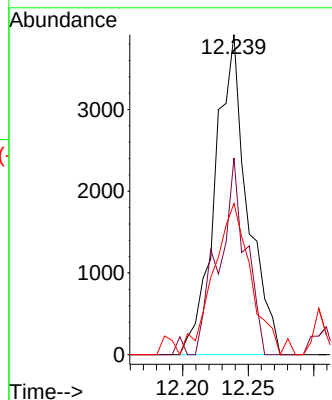
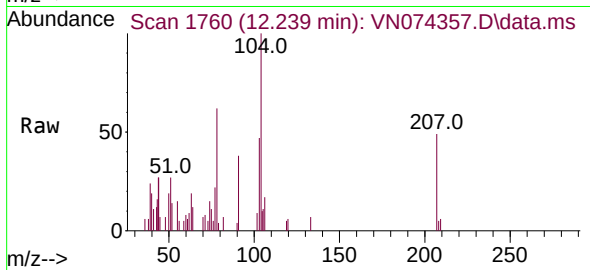
Tgt Ion:104 Resp: 6727

Ion Ratio Lower Upper

104 100

78 36.6 40.7 61.1#

103 54.2 45.8 68.8



#70

Isopropylbenzene

Concen: 0.218 ug/l

RT: 12.521 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VN074357.D

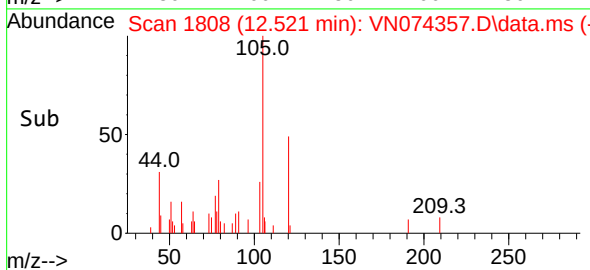
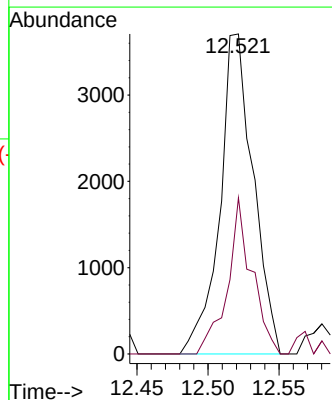
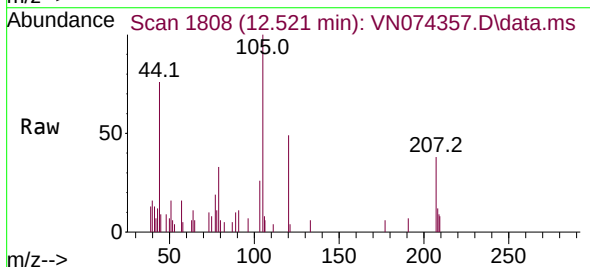
Acq: 08 Sep 2022 14:24

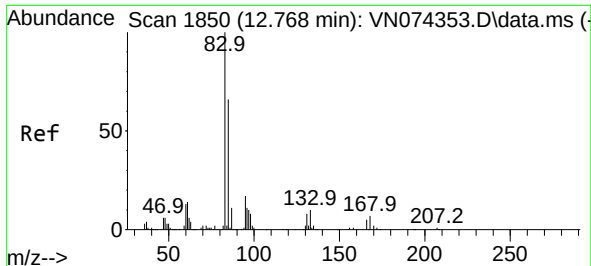
Tgt Ion:105 Resp: 6060

Ion Ratio Lower Upper

105 100

120 35.6 18.3 34.1#

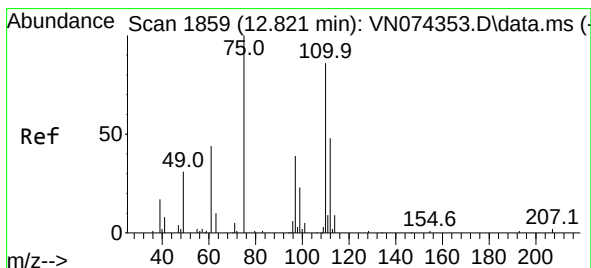
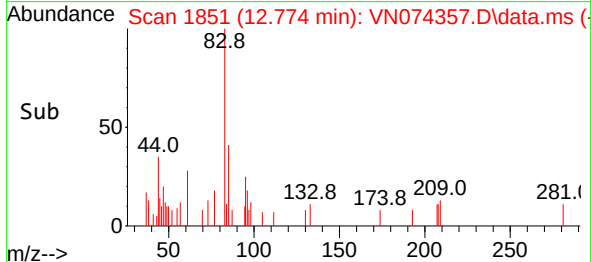
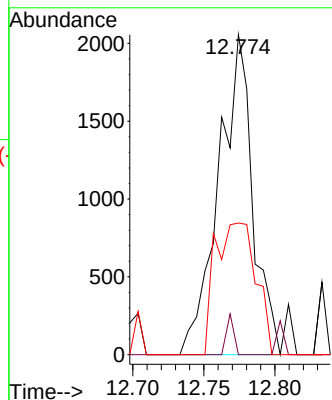
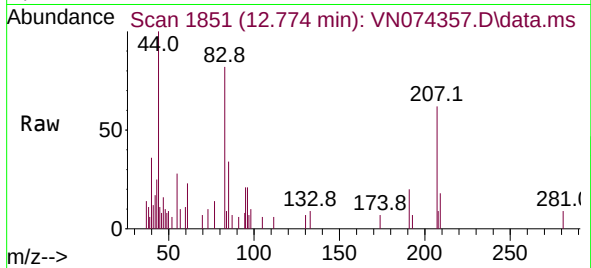




#71
 1,1,2,2-Tetrachloroethane
 Concen: 0.353 ug/l
 RT: 12.774 min Scan# 1851
 Delta R.T. 0.006 min
 Lab File: VN074357.D
 Acq: 08 Sep 2022 14:24

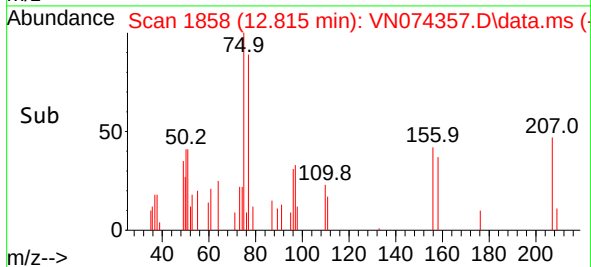
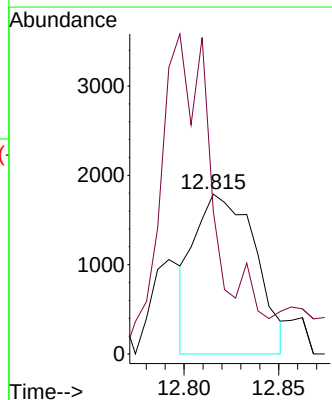
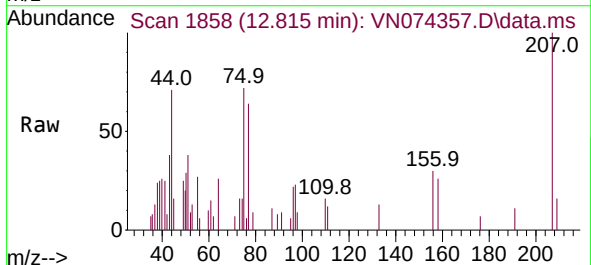
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

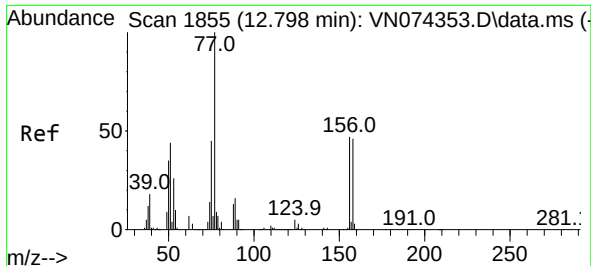
Tgt Ion: 83 Resp: 3415
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.3#
 85 35.3 33.1 99.2



#72
 1,2,3-Trichloropropane
 Concen: 0.503 ug/l
 RT: 12.815 min Scan# 1858
 Delta R.T. -0.006 min
 Lab File: VN074357.D
 Acq: 08 Sep 2022 14:24

Tgt Ion: 75 Resp: 3998
 Ion Ratio Lower Upper
 75 100
 77 16.8 0.0 378.0

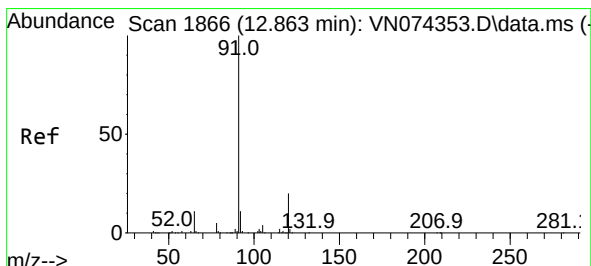
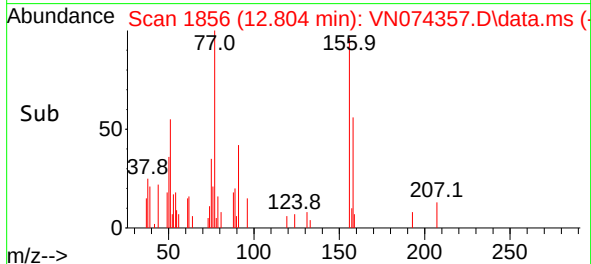
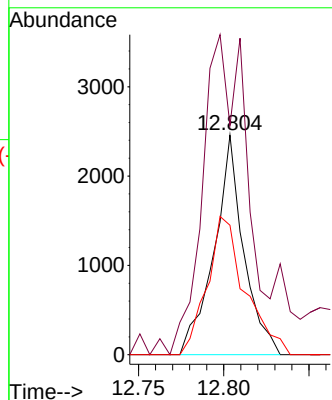
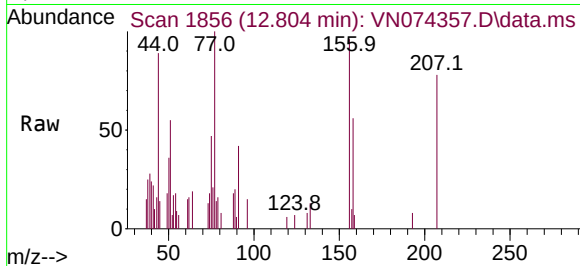




#73
Bromobenzene
Concen: 0.491 ug/l
RT: 12.804 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

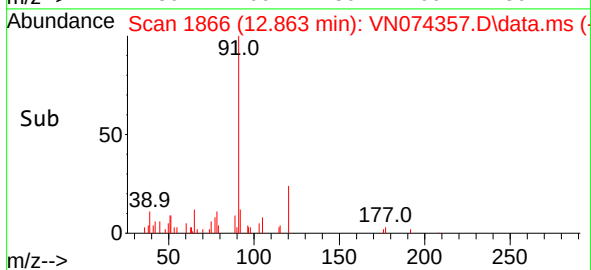
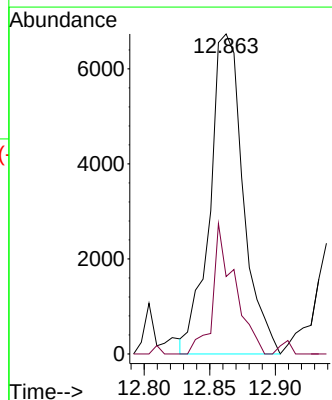
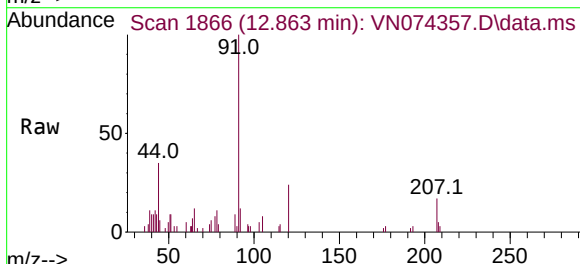
Instrument :
MSVOA_N
ClientSampleId :
IBLK

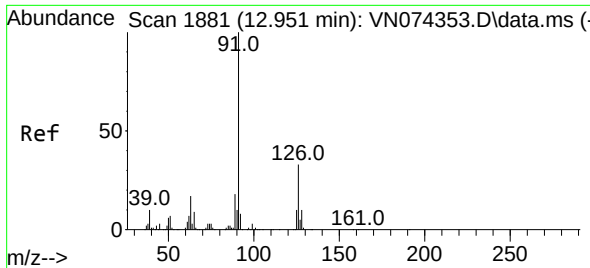
Tgt Ion:156 Resp: 2957
Ion Ratio Lower Upper
156 100
77 139.8 0.0 416.0
158 81.2 0.0 195.4



#74
n-propylbenzene
Concen: 0.370 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 91 Resp: 11926
Ion Ratio Lower Upper
91 100
120 24.6 0.0 45.0

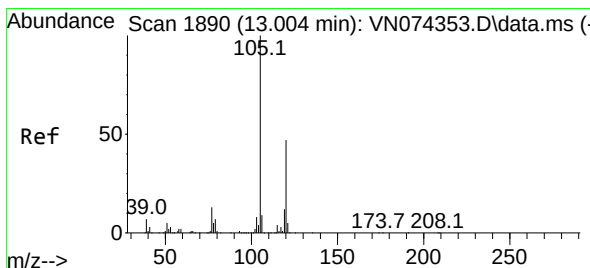
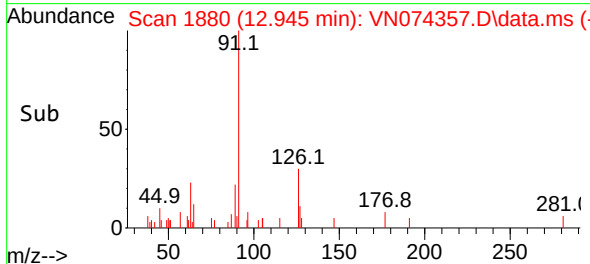
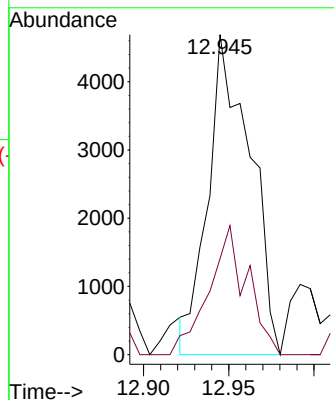
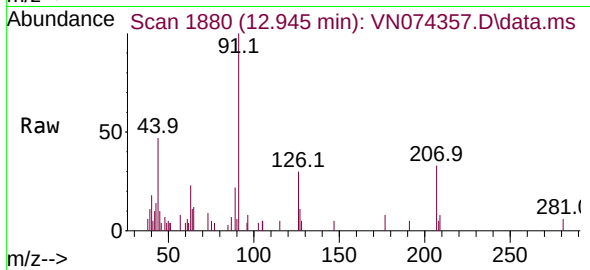




#75
2-Chlorotoluene
Concen: 0.417 ug/l
RT: 12.945 min Scan# 1880
Delta R.T. -0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

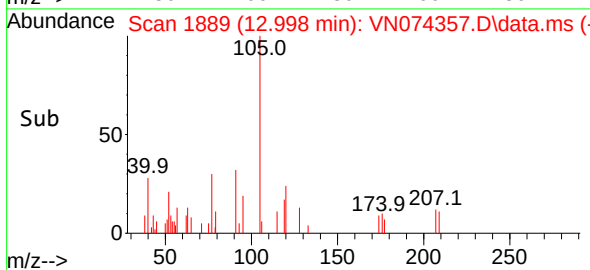
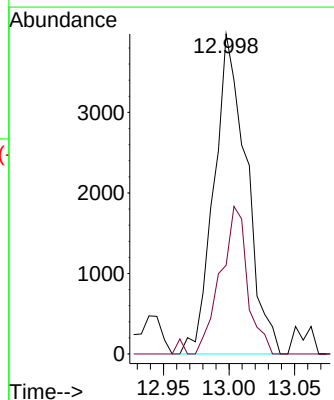
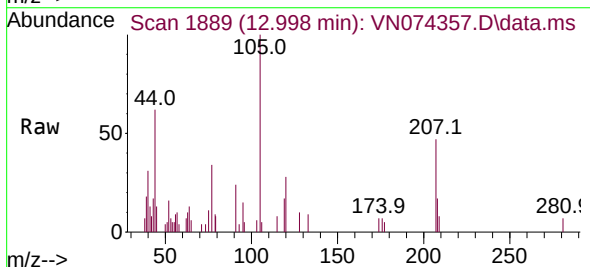
Instrument :
MSVOA_N
ClientSampleId :
IBLK

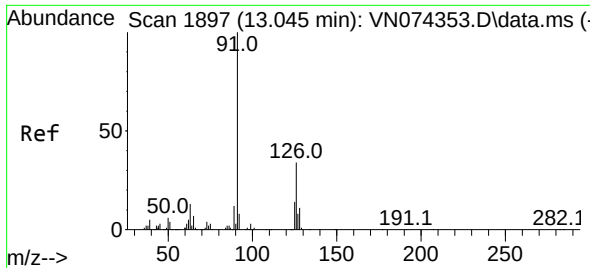
Tgt Ion: 91 Resp: 8032
Ion Ratio Lower Upper
91 100
126 36.8 0.0 69.8



#76
1,3,5-Trimethylbenzene
Concen: 0.292 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 105 Resp: 6823
Ion Ratio Lower Upper
105 100
120 38.2 0.0 93.8

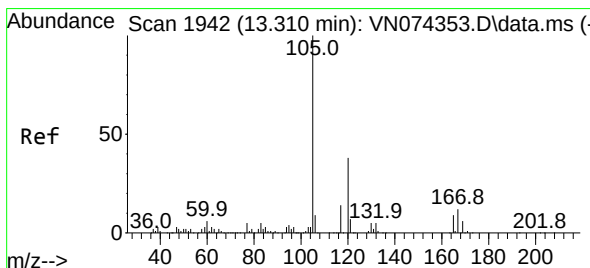
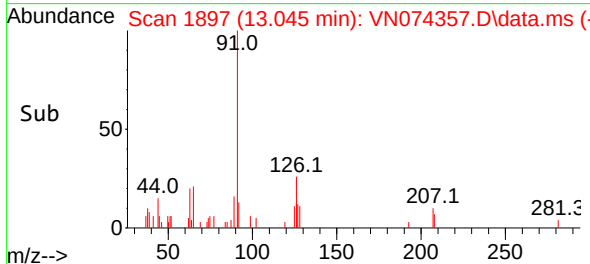
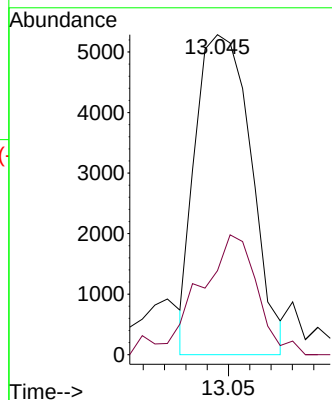
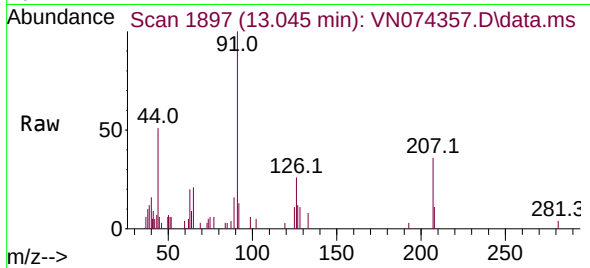




#78
4-Chlorotoluene
Concen: 0.505 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

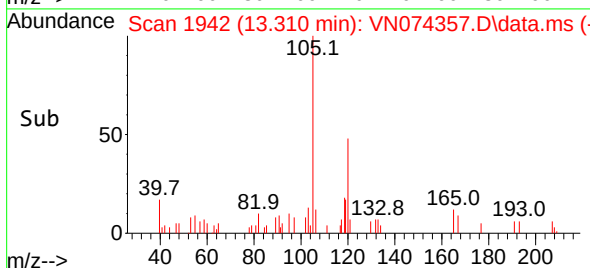
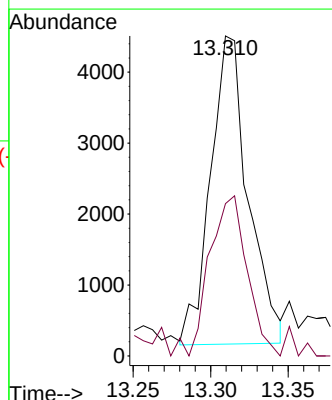
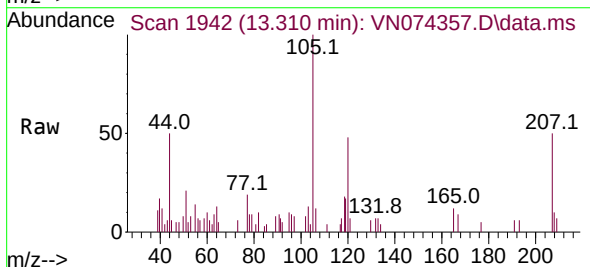
Instrument :
MSVOA_N
ClientSampleId :
IBLK

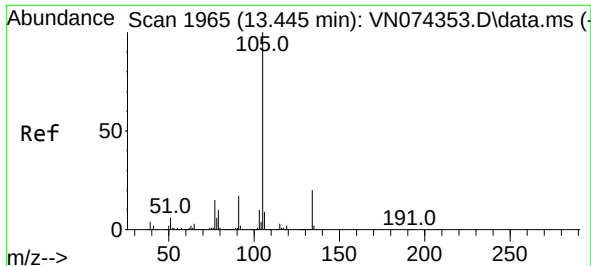
Tgt Ion: 91 Resp: 9572
Ion Ratio Lower Upper
91 100
126 38.0 0.0 70.6



#80
1,2,4-Trimethylbenzene
Concen: 0.313 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion: 105 Resp: 7352
Ion Ratio Lower Upper
105 100
120 51.0 0.0 0.2#

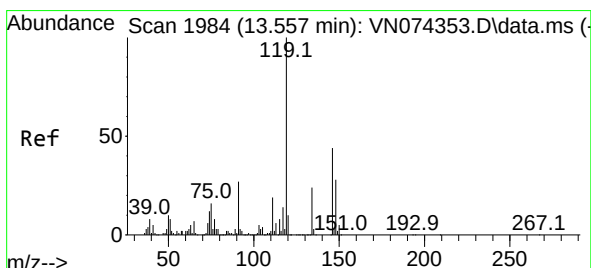
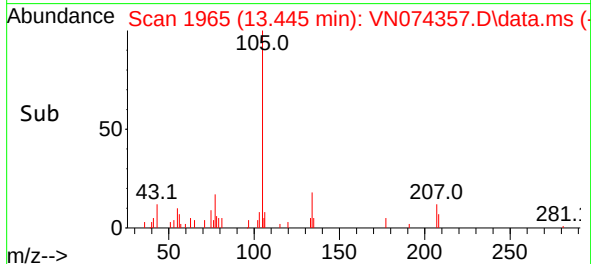
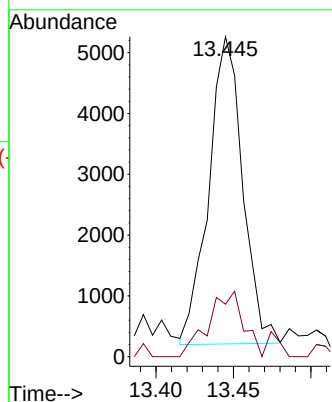
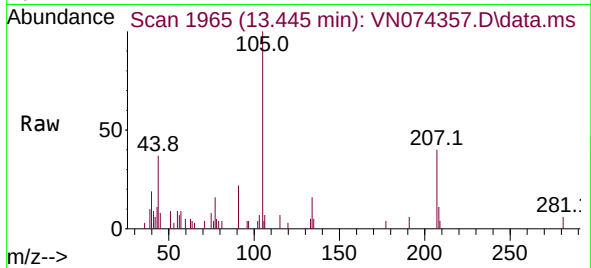




#81
 sec-Butylbenzene
 Concen: 0.266 ug/l
 RT: 13.445 min Scan# 1965
 Delta R.T. -0.000 min
 Lab File: VN074357.D
 Acq: 08 Sep 2022 14:24

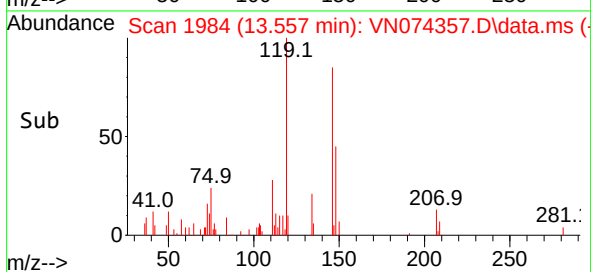
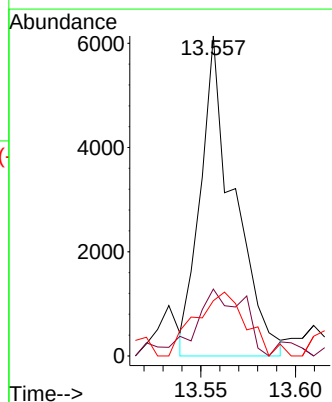
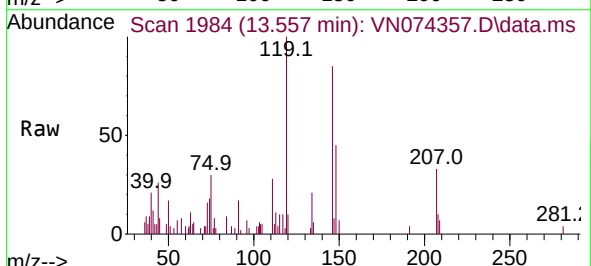
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

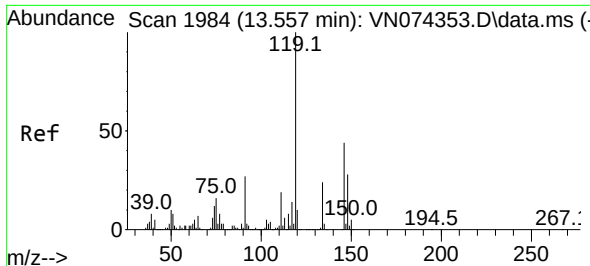
Tgt Ion:105 Resp: 7693
 Ion Ratio Lower Upper
 105 100
 134 17.2 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 0.315 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN074357.D
 Acq: 08 Sep 2022 14:24

Tgt Ion:119 Resp: 7532
 Ion Ratio Lower Upper
 119 100
 134 22.2 0.0 51.8
 91 29.6 0.0 50.4

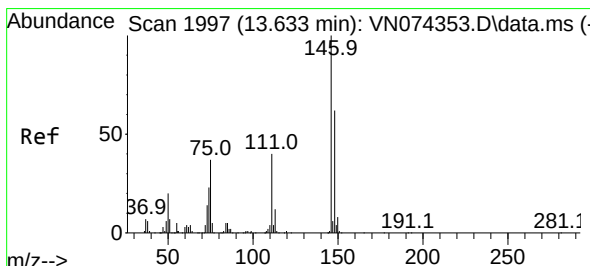
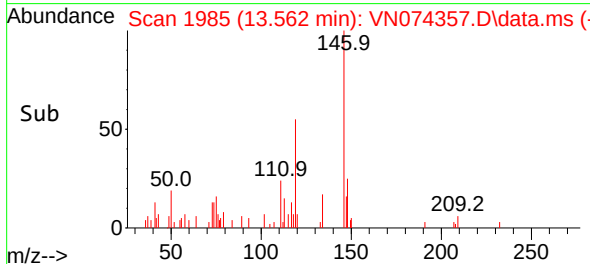
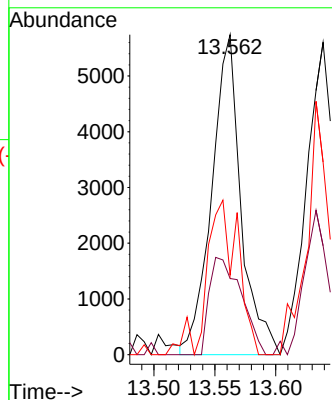
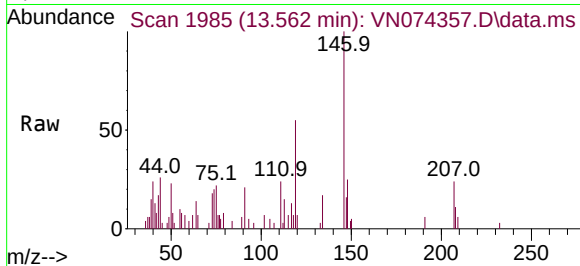




#83
1,3-Dichlorobenzene
Concen: 0.848 ug/l
RT: 13.562 min Scan# 1985
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

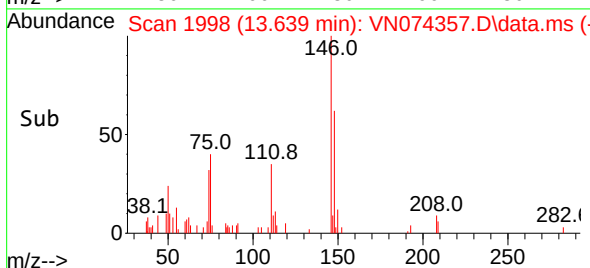
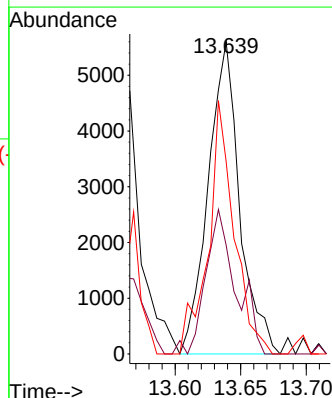
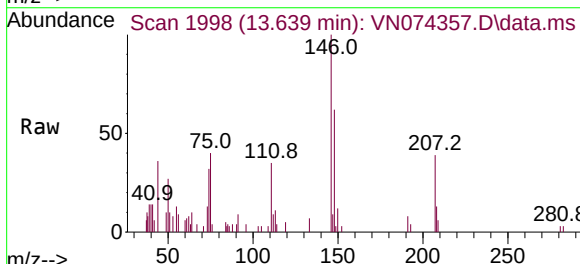
Instrument :
MSVOA_N
ClientSampleId :
IBLK

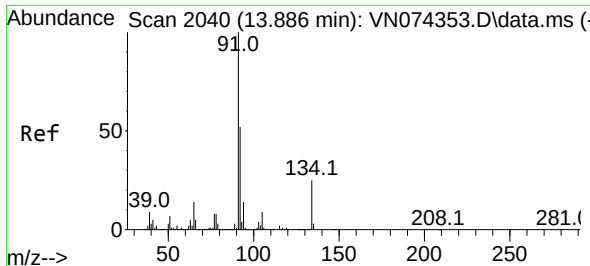
Tgt Ion:146 Resp: 9597
Ion Ratio Lower Upper
146 100
111 33.2 20.8 62.2
148 48.0 31.4 94.3



#84
1,4-Dichlorobenzene
Concen: 0.833 ug/l
RT: 13.639 min Scan# 1998
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion:146 Resp: 9344
Ion Ratio Lower Upper
146 100
111 37.4 19.5 58.5
148 66.7 31.1 93.5

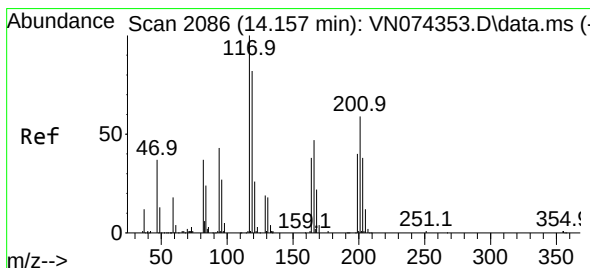
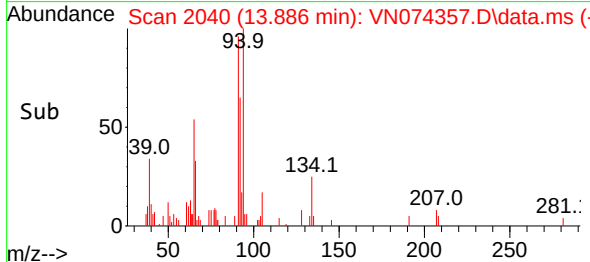
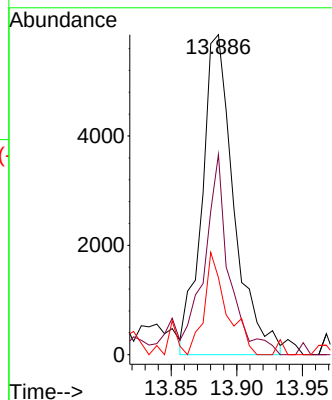
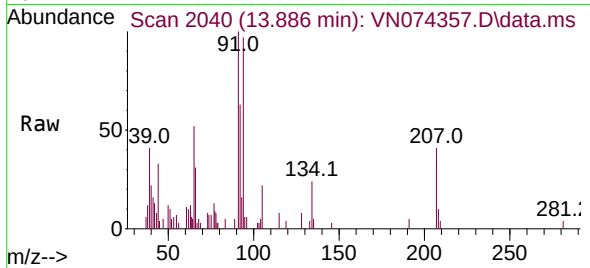




#85
n-Butylbenzene
Concen: 0.474 ug/l
RT: 13.886 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

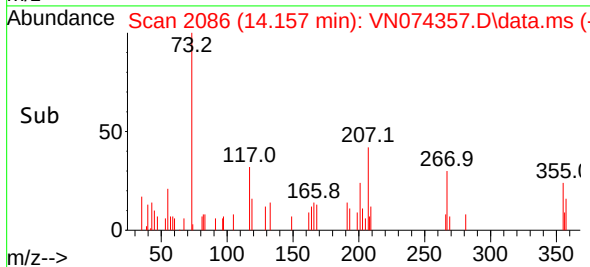
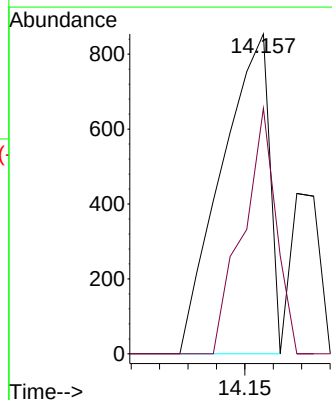
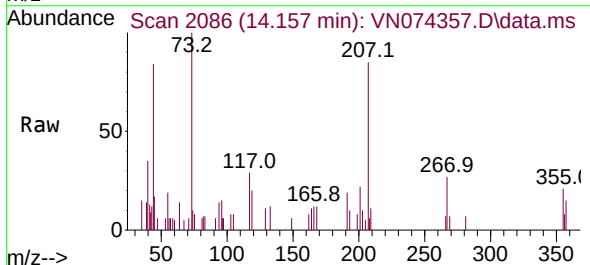
Instrument :
MSVOA_N
ClientSampleId :
IBLK

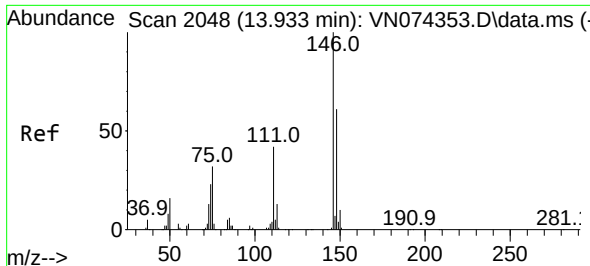
Tgt Ion:	91	Resp:	9958
Ion	Ratio	Lower	Upper
91	100		
92	45.5	0.0	100.6
134	19.6	0.0	50.2



#86
Hexachloroethane
Concen: 0.213 ug/l
RT: 14.157 min Scan# 2086
Delta R.T. -0.000 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion:	117	Resp:	996
Ion	Ratio	Lower	Upper
117	100		
201	53.5	33.3	99.8

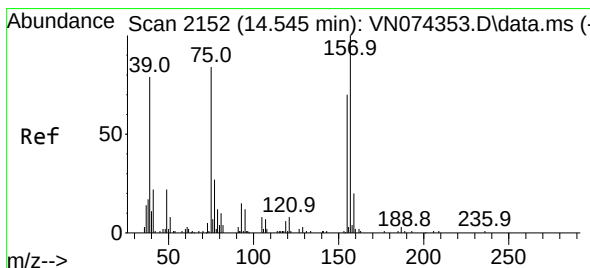
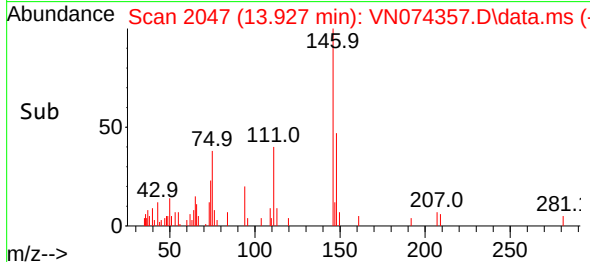
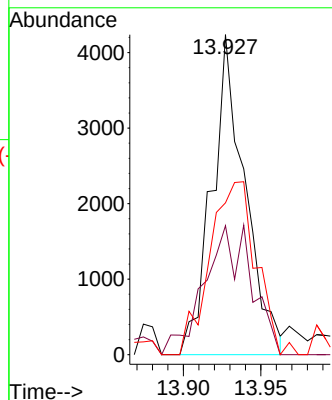
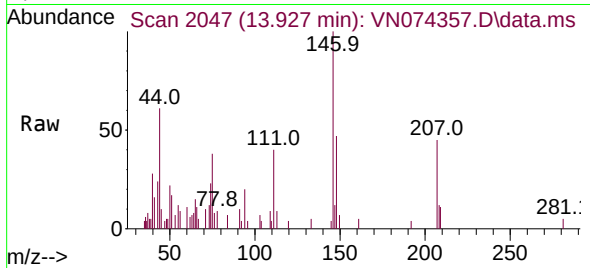




#87
 1,2-Dichlorobenzene
 Concen: 0.537 ug/l
 RT: 13.927 min Scan# 2047
 Delta R.T. -0.006 min
 Lab File: VN074357.D
 Acq: 08 Sep 2022 14:24

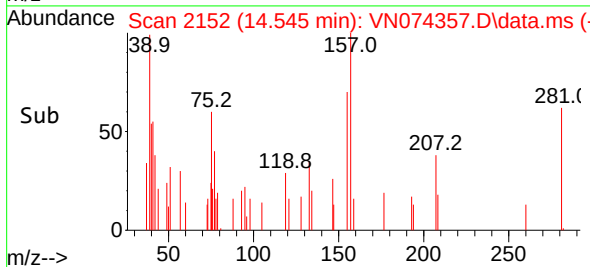
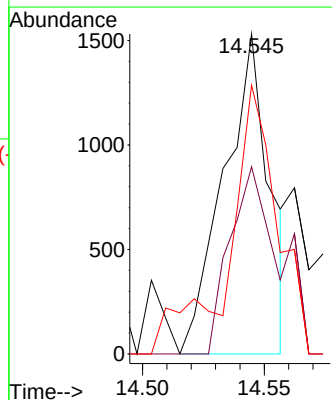
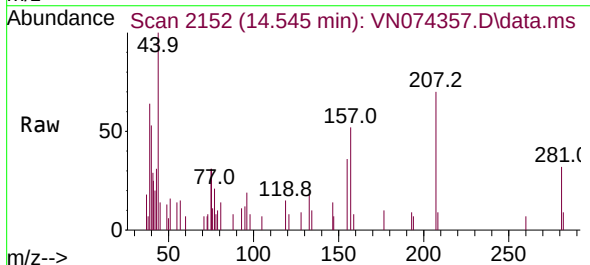
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

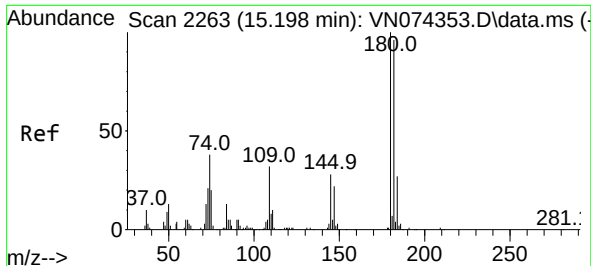
Tgt Ion:146 Resp: 6291
 Ion Ratio Lower Upper
 146 100
 111 26.2 21.4 64.2
 148 74.8 32.5 97.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.839 ug/l
 RT: 14.545 min Scan# 2152
 Delta R.T. -0.000 min
 Lab File: VN074357.D
 Acq: 08 Sep 2022 14:24

Tgt Ion: 75 Resp: 1990
 Ion Ratio Lower Upper
 75 100
 155 52.8 63.8 95.8#
 157 70.3 77.9 116.9#

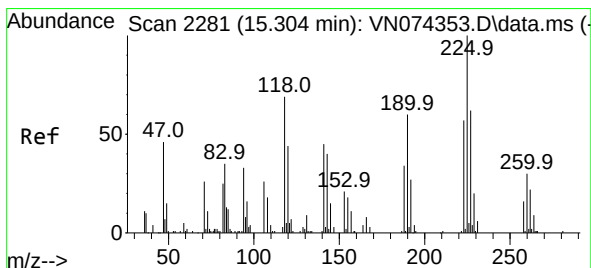
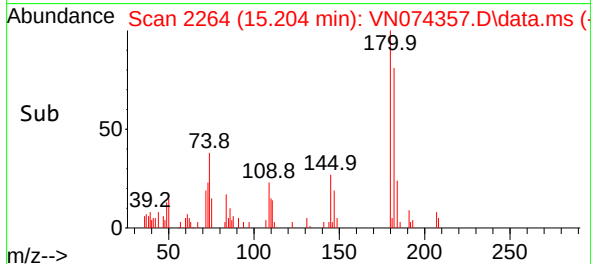
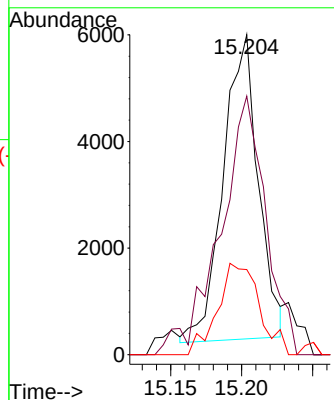
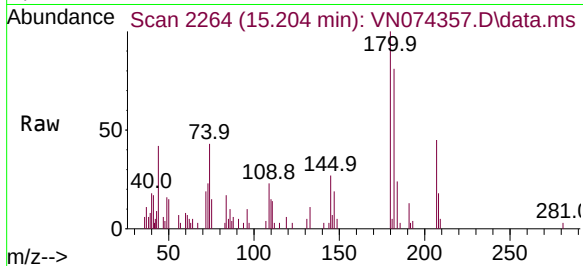




#89
1,2,4-Trichlorobenzene
Concen: 1.603 ug/l
RT: 15.204 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

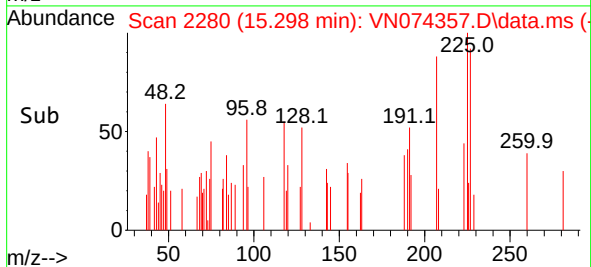
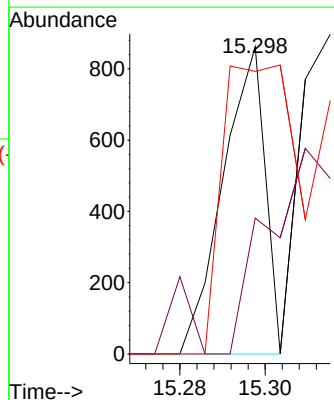
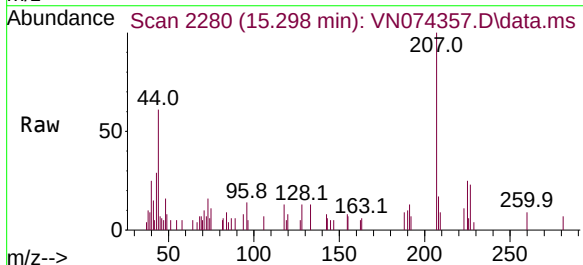
Instrument :
MSVOA_N
ClientSampleId :
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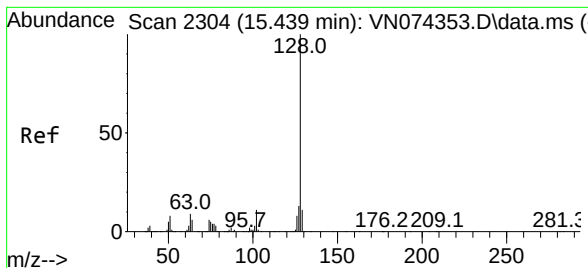
Tgt Ion:180 Resp: 9811
Ion Ratio Lower Upper
180 100
182 105.4 77.7 116.5
145 33.8 26.6 39.8



#90
Hexachlorobutadiene
Concen: 0.226 ug/l
RT: 15.298 min Scan# 2280
Delta R.T. -0.006 min
Lab File: VN074357.D
Acq: 08 Sep 2022 14:24

Tgt Ion:225 Resp: 591
Ion Ratio Lower Upper
225 100
223 0.0 0.0 126.8
227 166.5 0.0 123.0#





#91

Naphthalene

Concen: 2.869 ug/l

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN074357.D

Acq: 08 Sep 2022 14:24

Instrument :

MSVOA_N

ClientSampleId :

IBLK

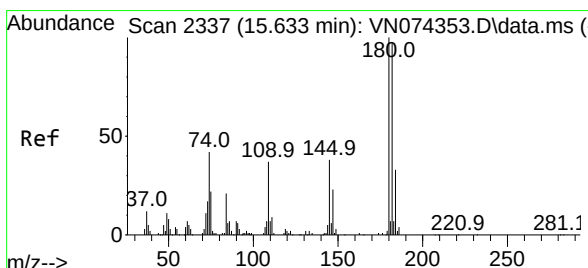
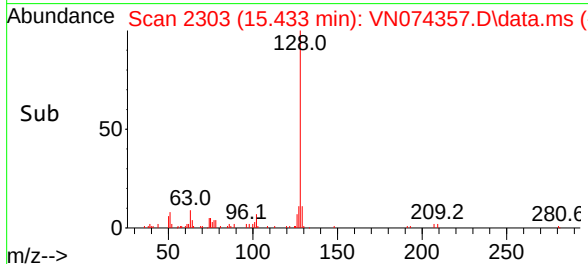
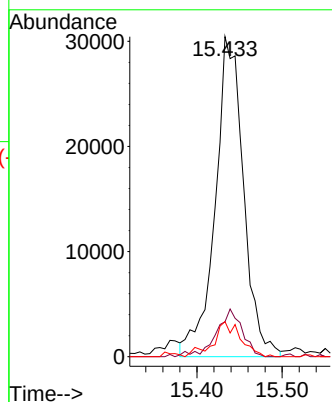
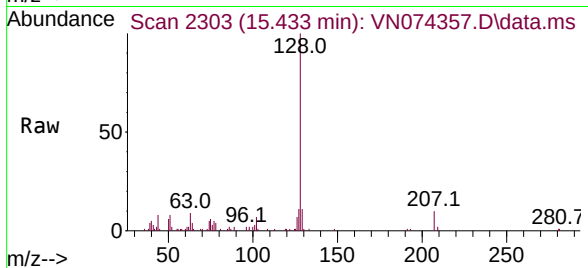
Tgt Ion:128 Resp: 70393

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

129 9.2 9.0 13.6



#92

1,2,3-Trichlorobenzene

Concen: 2.354 ug/l

RT: 15.633 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VN074357.D

Acq: 08 Sep 2022 14:24

Tgt Ion:180 Resp: 14630

Ion Ratio Lower Upper

180 100

182 52.1 0.0 190.0

145 31.6 0.0 67.8

