

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074873.D
 Acq On : 12 Oct 2022 12:38
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 13 07:54:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	75218	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	428445	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	362416	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	222403	31.582	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.267%	
60) 4-Bromofluorobenzene	12.853	95	159712	24.850	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 82.833%	
63) Toluene-d8	10.571	98	651295	31.137	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	2050	0.491	ug/l #	41
6) Chloroethane	2.965	64	6270	0.840	ug/l	96
10) 1,1-Dichloroethene	4.359	96	1466	0.319	ug/l #	46
12) Methyl Acetate	5.065	43	10919	0.987	ug/l #	86
13) Acrolein	4.224	56	1453	0.929	ug/l	99
14) Acrylonitrile	5.741	53	3220	0.780	ug/l	84
15) Acetone	4.471	58	584	0.516	ug/l #	19
16) Carbon Disulfide	4.742	76	16409	1.391	ug/l	98
18) Methylene Chloride	5.294	84	3428	0.576	ug/l #	16
19) trans-1,2-Dichloroethene	5.806	96	3496	0.694	ug/l #	54
23) tert-Butyl Alcohol	5.536	59	984	0.566	ug/l #	100
26) Cyclohexane	8.265	56	2782	0.292	ug/l #	65
29) 1,1-Dichloropropene	8.377	75	3786	0.490	ug/l	73
30) 2-Butanone	7.500	43	1239	0.201	ug/l #	82
35) Methacrylonitrile	7.783	41	1691	0.267	ug/l #	43
37) Trichloroethene	9.359	130	1311	0.247	ug/l #	21
38) Methylcyclohexane	9.612	83	4217	0.449	ug/l #	28
40) Dibromomethane	9.712	93	1183	0.269	ug/l	75
42) Vinyl Acetate	6.624	43	5613	0.305	ug/l #	90
45) 1,4-Dioxane	9.700	88	965	5.675	ug/l #	50
48) t-1,3-Dichloropropene	10.841	75	2934	0.299	ug/l #	76
54) 1,2-Dibromoethane	11.476	107	2013	0.324	ug/l #	30
55) 2-Chloroethyl vinyl ether	10.171	63	2731	0.636	ug/l	96
56) Bromoform	12.582	173	1359	0.298	ug/l #	83
58) 4-Methyl-2-Pentanone	10.453	43	6542	0.580	ug/l	99
59) 2-Hexanone	11.206	43	19454	2.243	ug/l #	36
61) Tetrachloroethene	11.100	164	2360	0.611	ug/l #	56
62) Toluene	10.624	91	9818	0.392	ug/l	88
64) Chlorobenzene	11.888	112	8799	0.618	ug/l #	75
66) Ethyl Benzene	12.070	91	14013	0.515	ug/l	93
67) m/p-Xylenes	12.076	106	6024	0.589	ug/l	82
68) o-Xylene	12.076	106	6024	0.579	ug/l	90
69) Styrene	12.412	104	6829	0.401	ug/l #	79
70) Isopropylbenzene	12.700	105	9223	0.344	ug/l	94
71) 1,1,2,2-Tetrachloroethane	12.941	83	3985	0.397	ug/l	90
72) 1,2,3-Trichloropropane	12.988	75	4972	0.590	ug/l #	1
73) Bromobenzene	12.988	156	3489	0.621	ug/l	76
74) n-propylbenzene	13.041	91	17338	0.555	ug/l	95
75) 2-Chlorotoluene	13.129	91	10686	0.584	ug/l	86

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

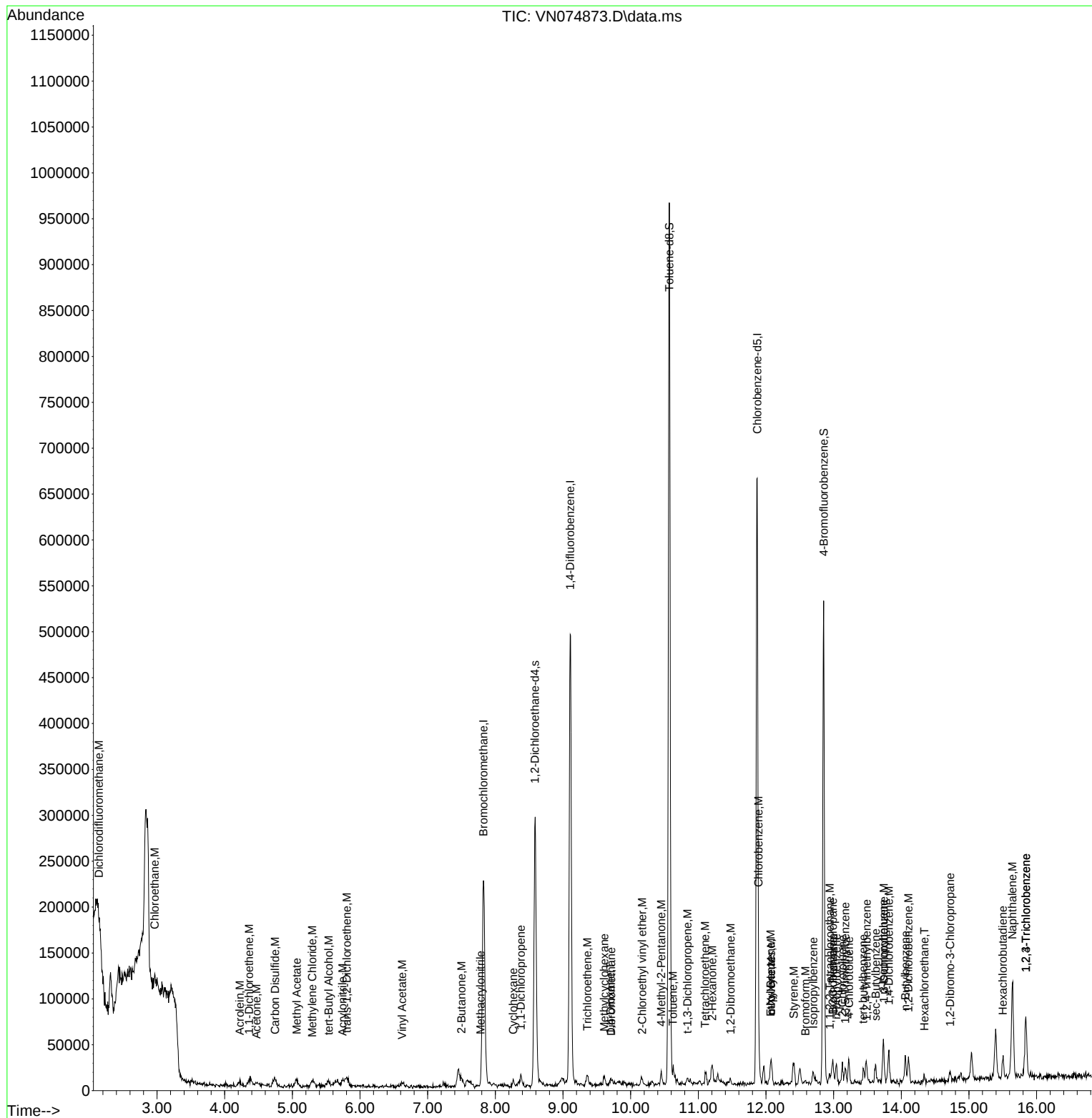
76) 1,3,5-Trimethylbenzene	13.170	105	9474	0.435	ug/l	77
78) 4-Chlorotoluene	13.229	91	13794	0.790	ug/l	100
79) tert-butylbenzene	13.435	119	7849	0.405	ug/l	85
80) 1,2,4-Trimethylbenzene	13.488	105	10812	0.493	ug/l	93
81) sec-Butylbenzene	13.623	105	15021	0.539	ug/l	92
82) p-Isopropyltoluene	13.735	119	11879	0.537	ug/l	84
83) 1,3-Dichlorobenzene	13.741	146	11698	1.067	ug/l	89
84) 1,4-Dichlorobenzene	13.817	146	11492	1.091	ug/l	95
85) n-Butylbenzene	14.059	91	14541	0.744	ug/l	98
86) Hexachloroethane	14.341	117	1983	0.457	ug/l	63
87) 1,2-Dichlorobenzene	14.106	146	8631	0.793	ug/l	87
88) 1,2-Dibromo-3-Chloropr...	14.723	75	1245	0.615	ug/l #	32
89) 1,2,4-Trichlorobenzene	15.841	180	18584	3.738	ug/l	98
90) Hexachlorobutadiene	15.500	225	3089	1.274	ug/l	63
91) Naphthalene	15.641	128	105071	5.326	ug/l #	78
92) 1,2,3-Trichlorobenzene	15.841	180	21393	4.113	ug/l	96

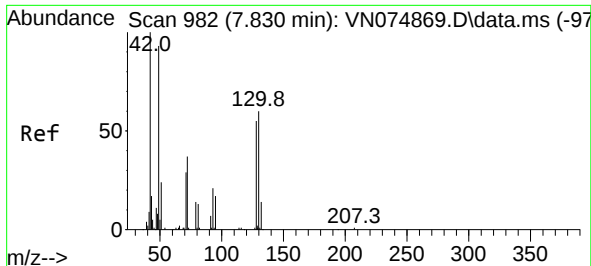
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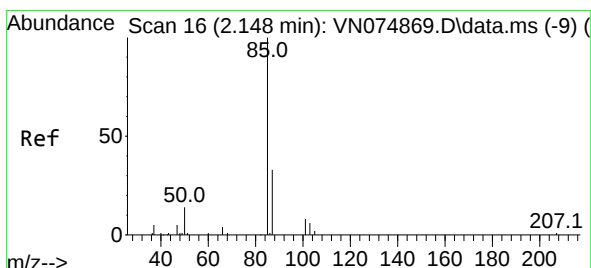
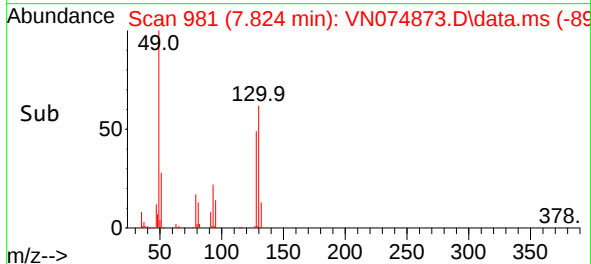
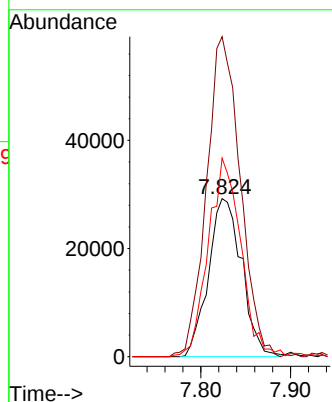
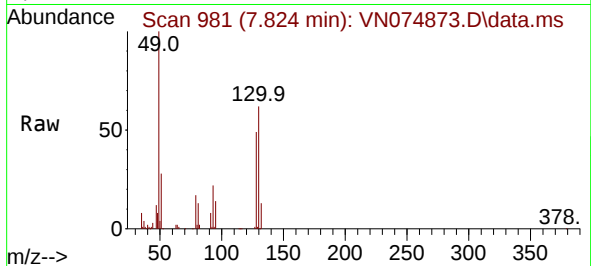




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

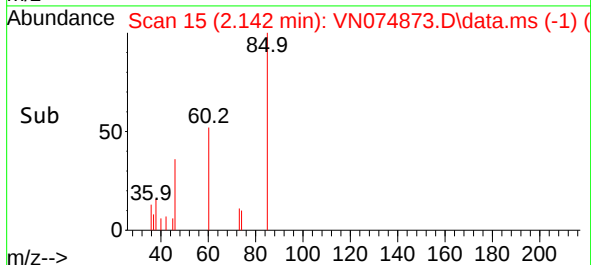
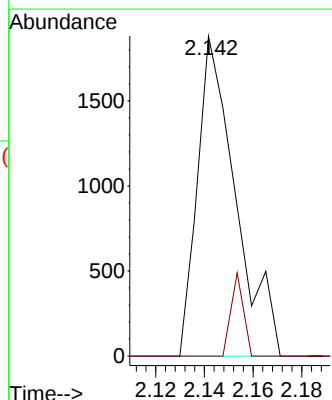
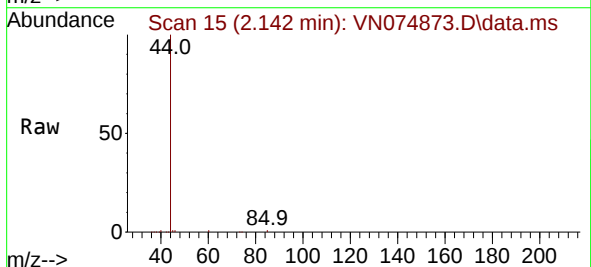
Instrument :
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ClientSampleId :
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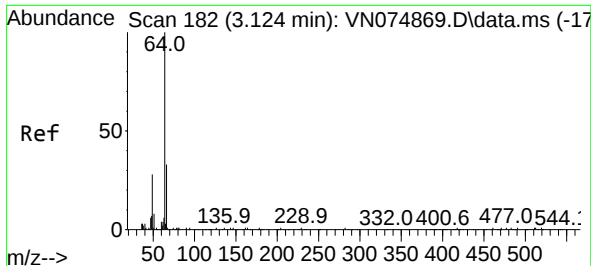
Tgt Ion:128 Resp: 75218
Ion Ratio Lower Upper
128 100
49 204.0 0.0 492.0
130 122.9 0.0 313.3



#2
Dichlorodifluoromethane
Concen: 0.491 ug/l
RT: 2.142 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 85 Resp: 2050
Ion Ratio Lower Upper
85 100
87 0.0 16.7 50.1#

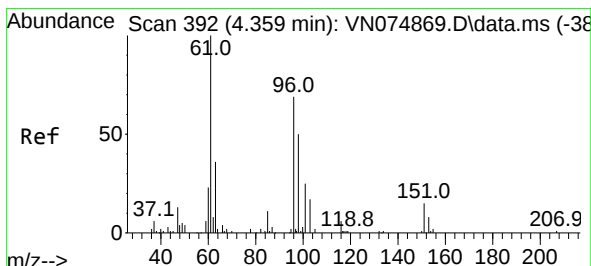
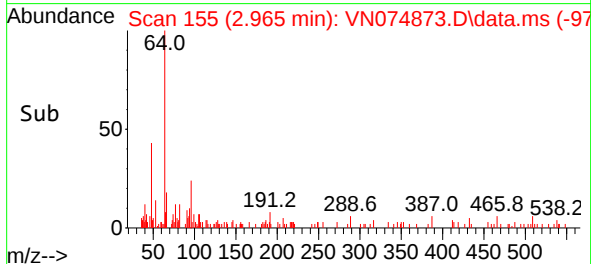
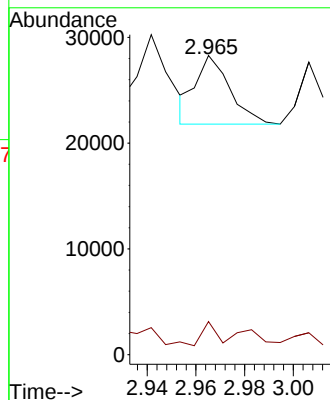
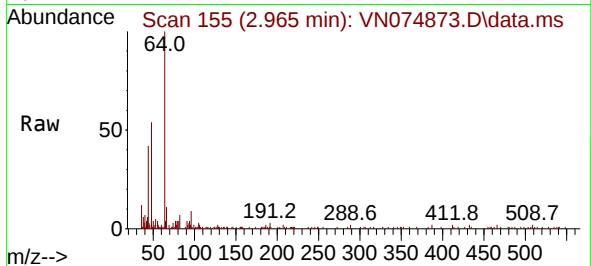




#6
Chloroethane
Concen: 0.840 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.159 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

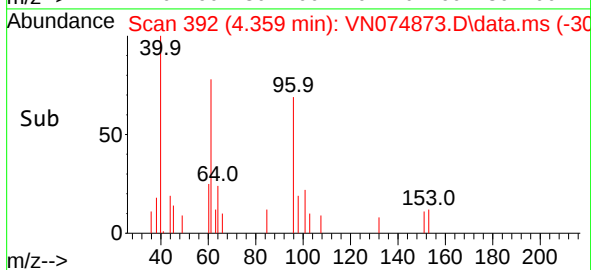
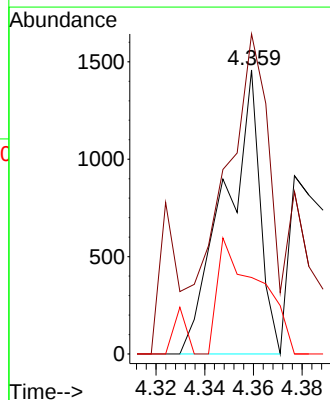
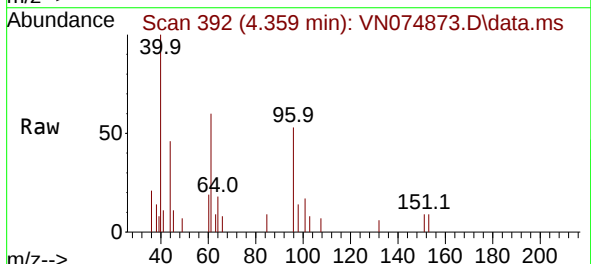
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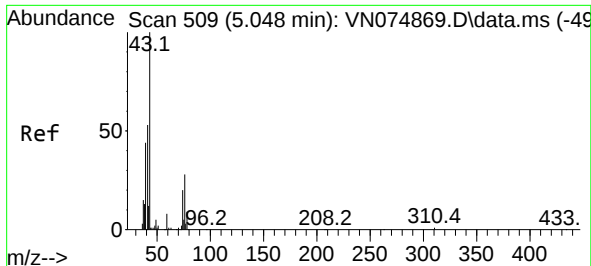
Tgt Ion: 64 Resp: 6270
Ion Ratio Lower Upper
64 100
66 29.6 21.8 32.8



#10
1,1-Dichloroethene
Concen: 0.319 ug/l
RT: 4.359 min Scan# 392
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 96 Resp: 1466
Ion Ratio Lower Upper
96 100
61 91.1 125.5 188.3#
98 10.5 45.0 67.4#

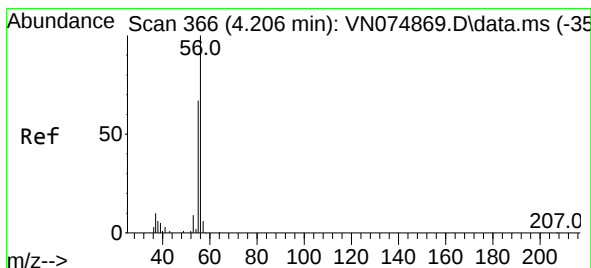
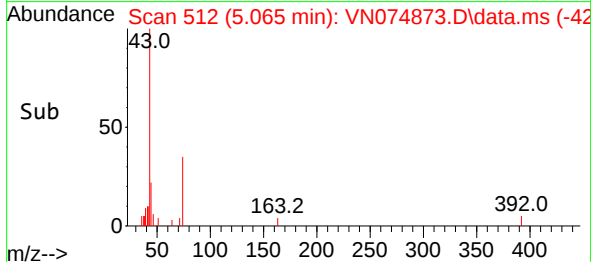
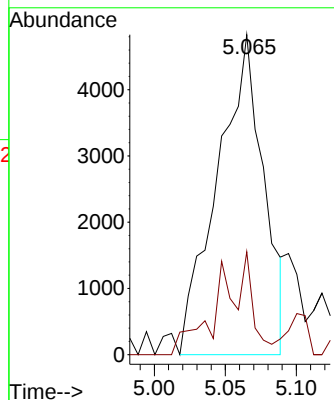
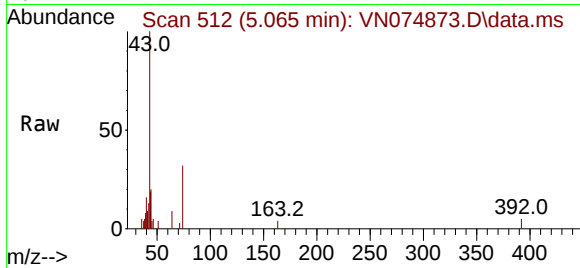




#12
Methyl Acetate
Concen: 0.987 ug/l
RT: 5.065 min Scan# 512
Delta R.T. 0.017 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

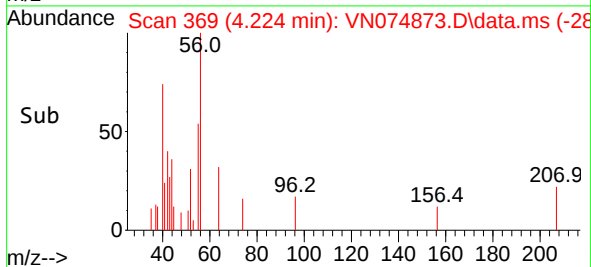
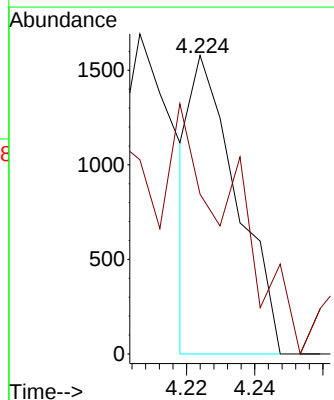
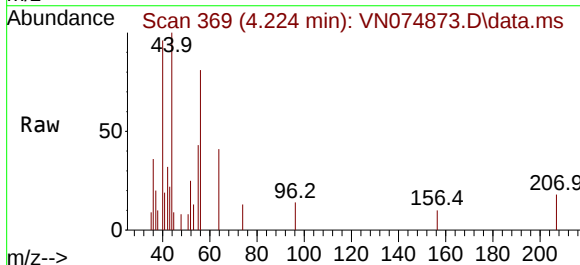
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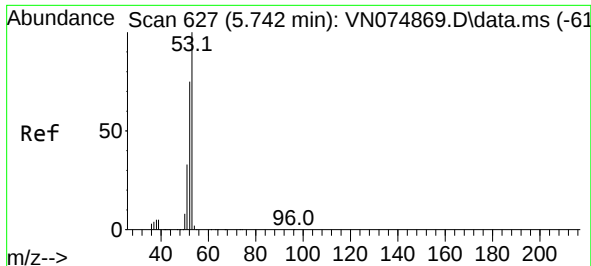
Tgt Ion: 43 Resp: 10919
Ion Ratio Lower Upper
43 100
74 30.9 19.0 28.6#



#13
Acrolein
Concen: 0.929 ug/l
RT: 4.224 min Scan# 369
Delta R.T. 0.018 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 56 Resp: 1453
Ion Ratio Lower Upper
56 100
55 69.1 56.2 84.2

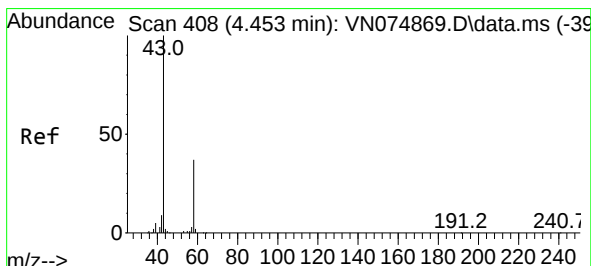
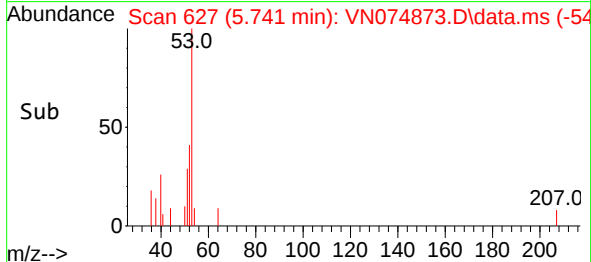
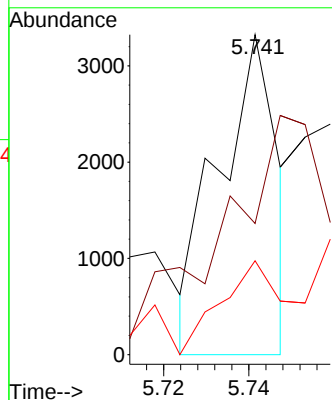
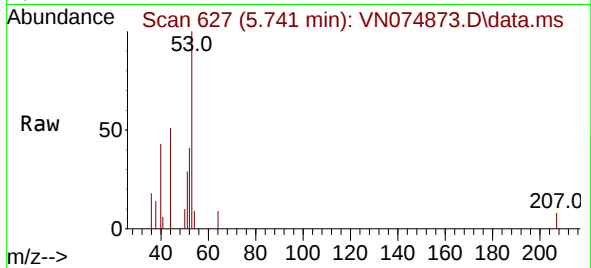




#14
Acrylonitrile
Concen: 0.780 ug/l
RT: 5.741 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

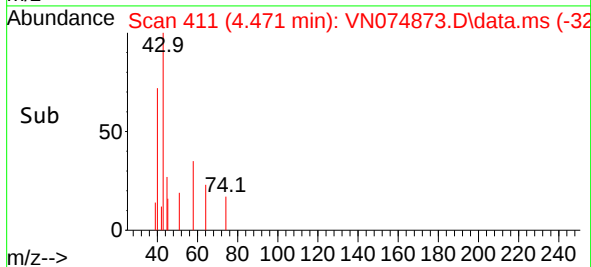
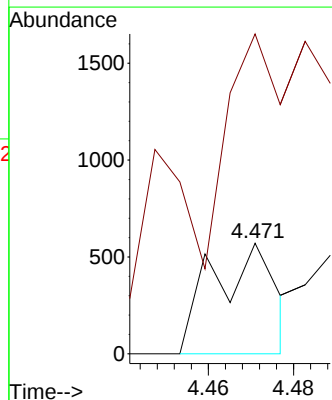
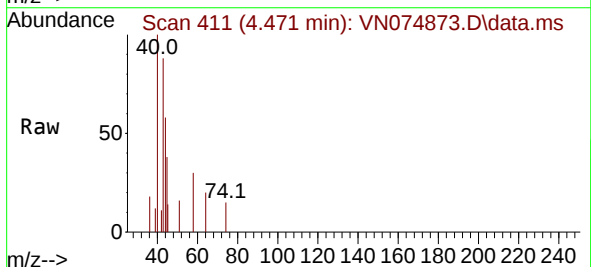
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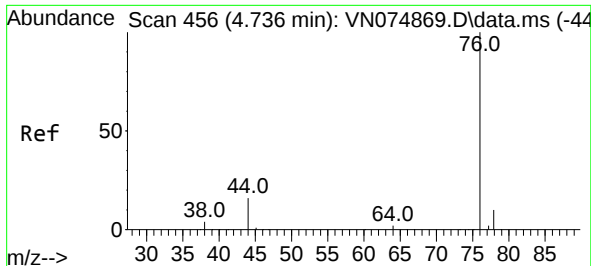
Tgt Ion: 53 Resp: 3220
Ion Ratio Lower Upper
53 100
52 101.5 40.8 122.4
51 34.0 17.0 51.0



#15
Acetone
Concen: 0.516 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 58 Resp: 584
Ion Ratio Lower Upper
58 100
43 133.8 232.2 348.4#

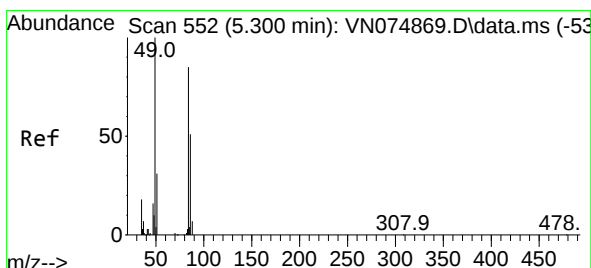
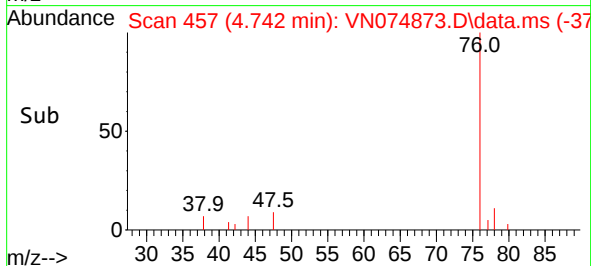
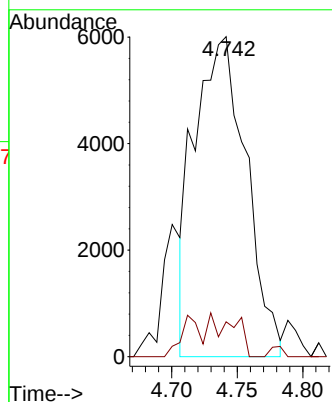
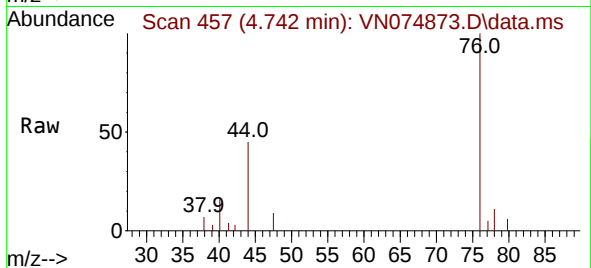




#16
Carbon Disulfide
Concen: 1.391 ug/l
RT: 4.742 min Scan# 41
Delta R.T. 0.006 min
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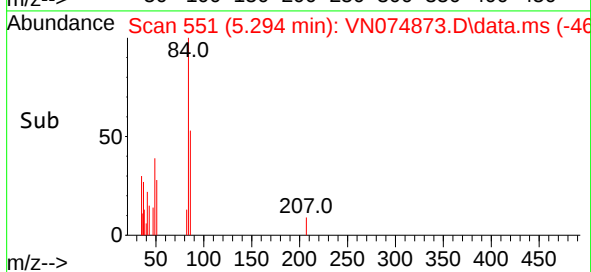
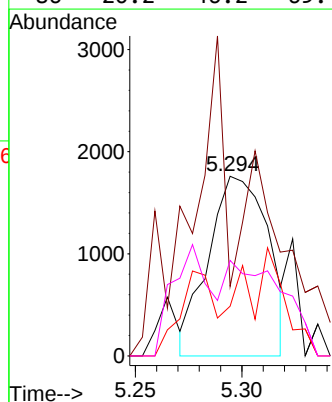
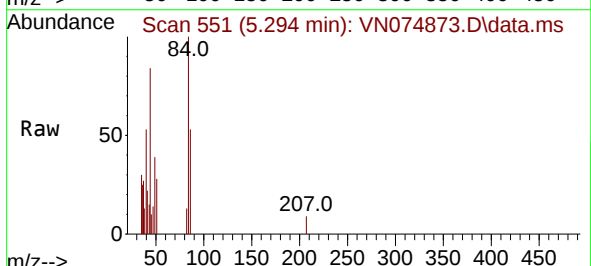
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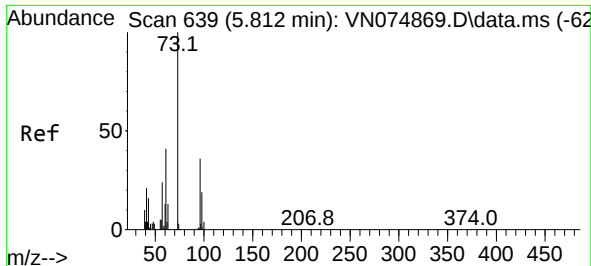
Tgt Ion: 76 Resp: 16409
Ion Ratio Lower Upper
76 100
78 8.1 7.2 10.8



#18
Methylene Chloride
Concen: 0.576 ug/l
RT: 5.294 min Scan# 551
Delta R.T. -0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 84 Resp: 3428
Ion Ratio Lower Upper
84 100
49 0.0 99.6 149.4#
51 8.2 28.2 42.2#
86 20.2 46.2 69.4#

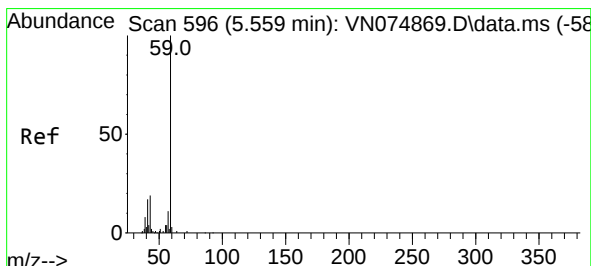
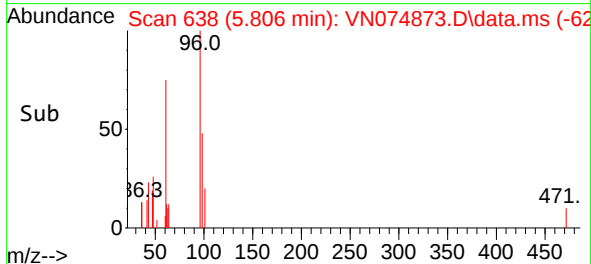
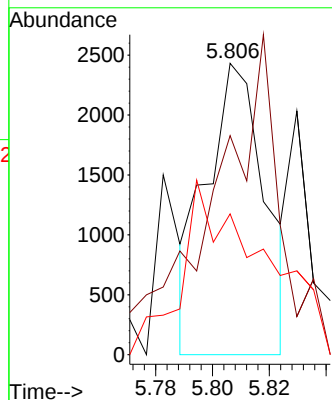
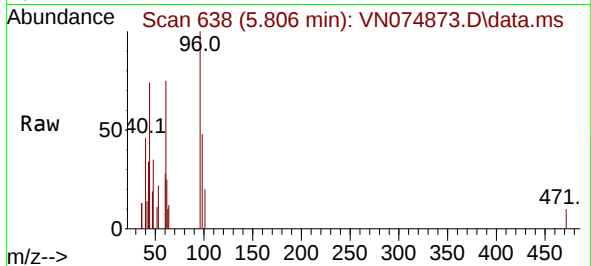




#19
trans-1,2-Dichloroethene
Concen: 0.694 ug/l
RT: 5.806 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN074873.D
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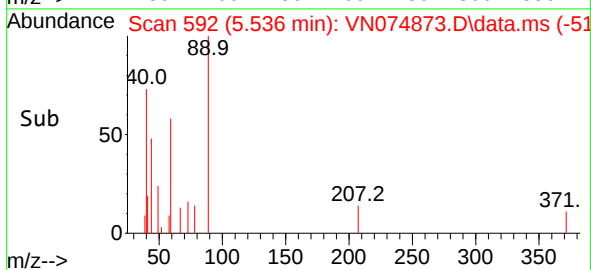
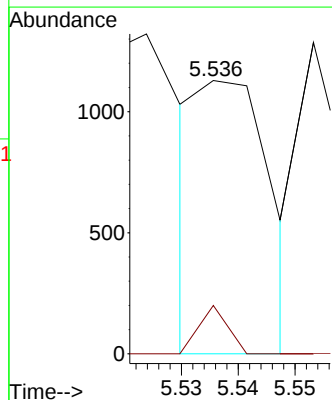
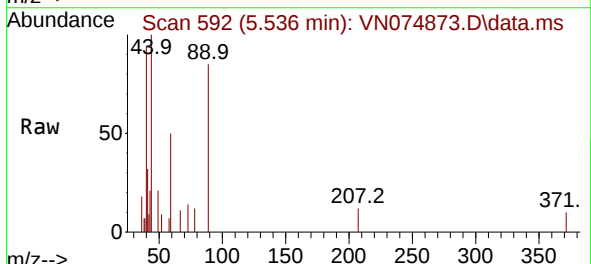
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ClientSampleId :
IBLK

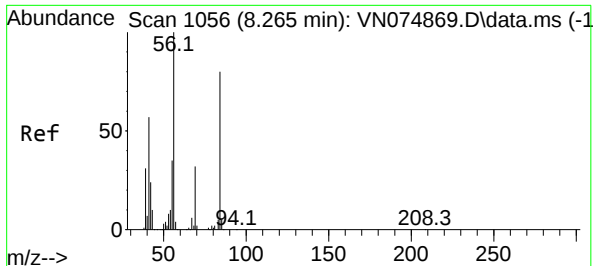
Tgt Ion: 96 Resp: 3496
Ion Ratio Lower Upper
96 100
61 63.8 110.2 165.4#
98 52.5 50.0 75.0



#23
tert-Butyl Alcohol
Concen: 0.566 ug/l
RT: 5.536 min Scan# 592
Delta R.T. -0.024 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 59 Resp: 984
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#





#26

Cyclohexane

Concen: 0.292 ug/l

RT: 8.265 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN074873.D

Acq: 12 Oct 2022 12:38

Instrument :

MSVOA_N

ClientSampleId :

IBLK

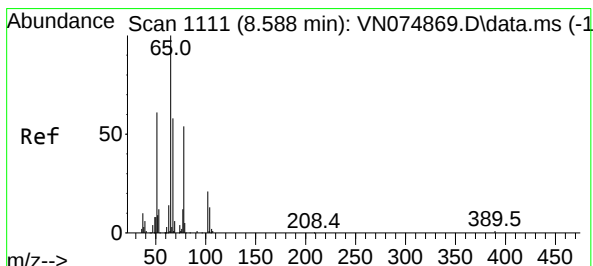
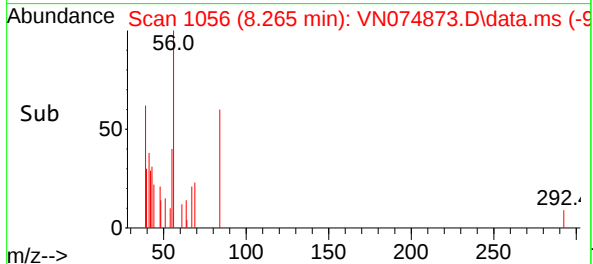
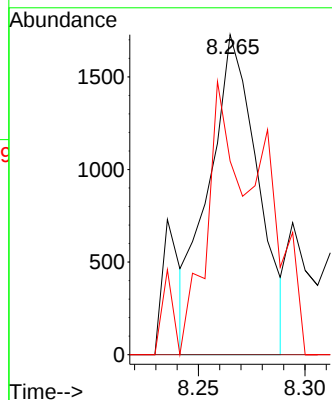
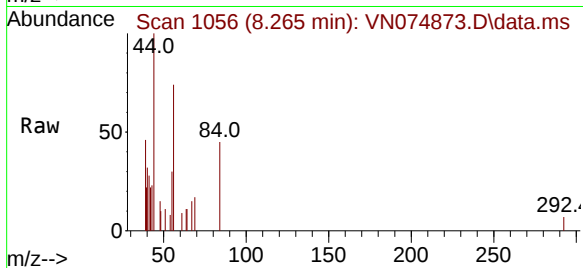
Tgt Ion: 56 Resp: 2782

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 53.6 68.4 102.6#



#27

1,2-Dichloroethane-d4

Concen: 31.582 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VN074873.D

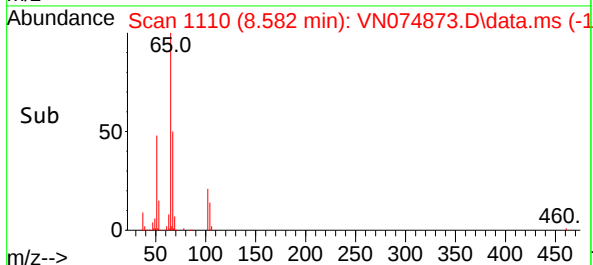
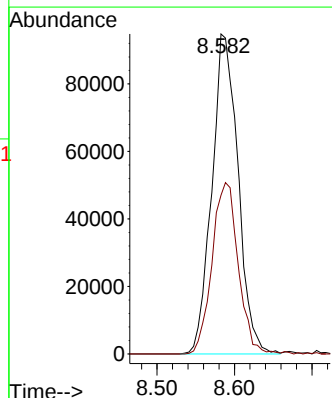
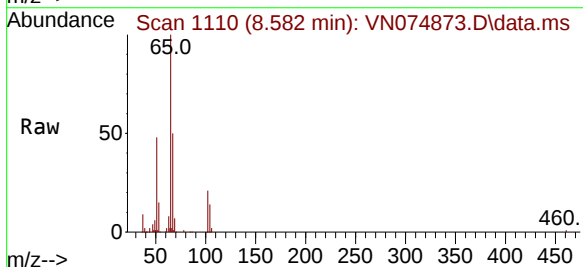
Acq: 12 Oct 2022 12:38

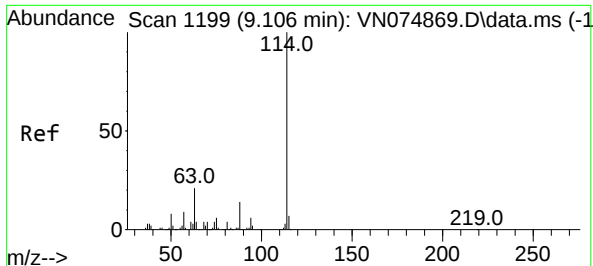
Tgt Ion: 65 Resp: 222403

Ion Ratio Lower Upper

65 100

67 53.3 45.2 67.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN074873.D

Acq: 12 Oct 2022 12:38

Instrument :

MSVOA_N

ClientSampleId :

IBLK

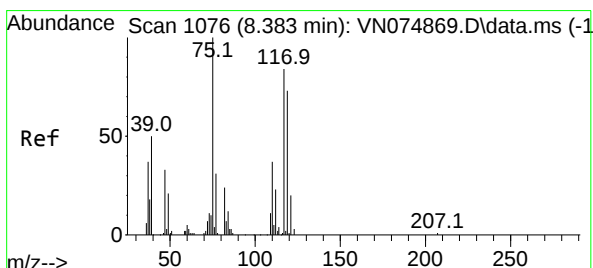
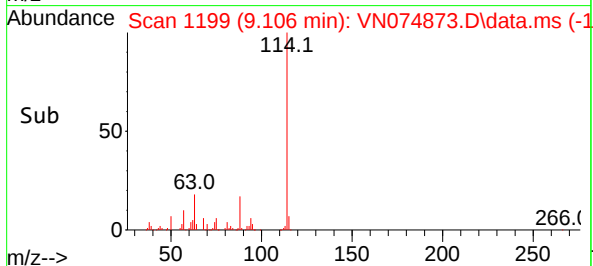
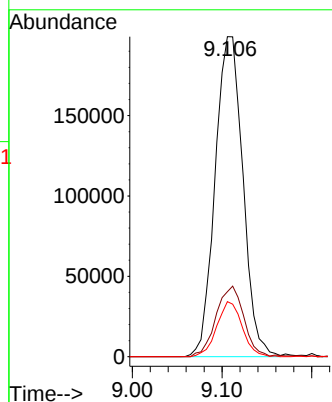
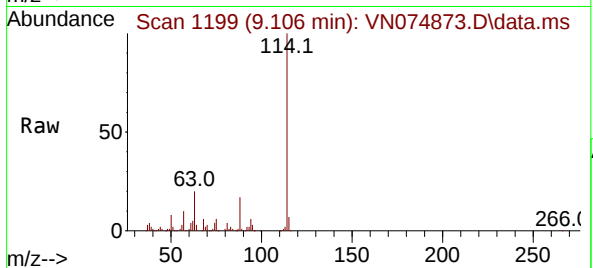
Tgt Ion:114 Resp: 428445

Ion Ratio Lower Upper

114 100

63 21.9 16.6 25.0

88 15.7 12.2 18.4



#29

1,1-Dichloropropene

Concen: 0.490 ug/l

RT: 8.377 min Scan# 1075

Delta R.T. -0.006 min

Lab File: VN074873.D

Acq: 12 Oct 2022 12:38

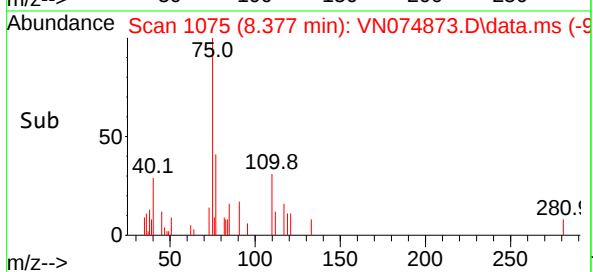
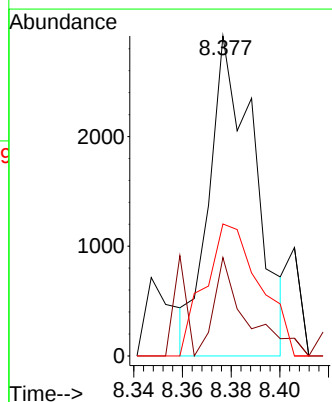
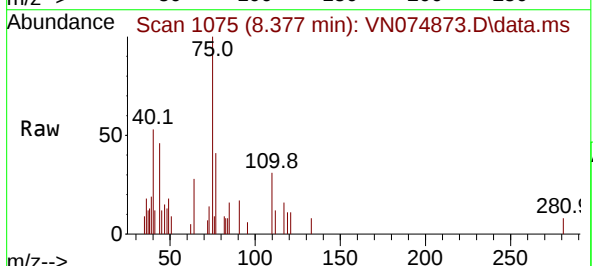
Tgt Ion: 75 Resp: 3786

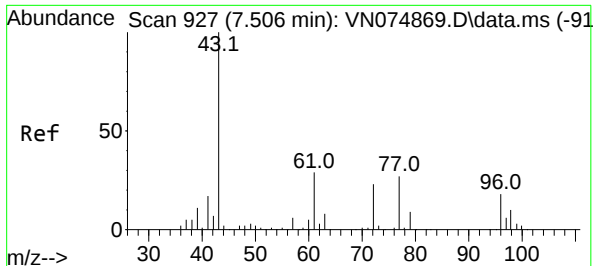
Ion Ratio Lower Upper

75 100

110 22.3 0.0 72.2

77 49.9 0.0 64.0

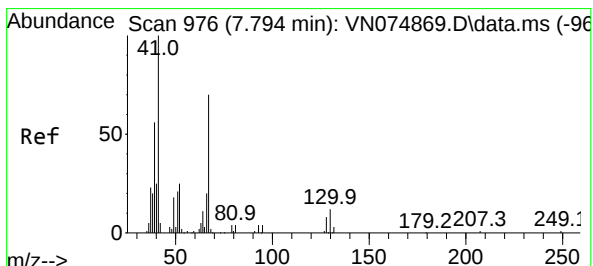
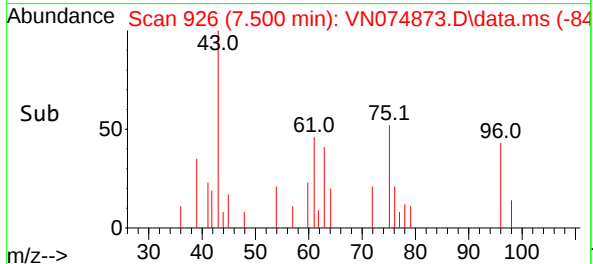
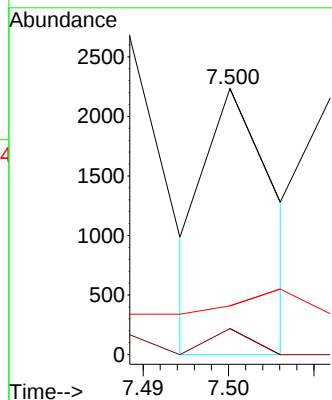
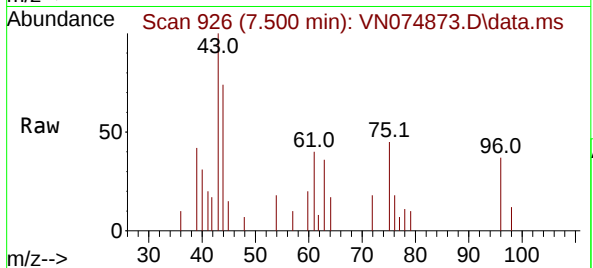




#30
2-Butanone
Concen: 0.201 ug/l
RT: 7.500 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

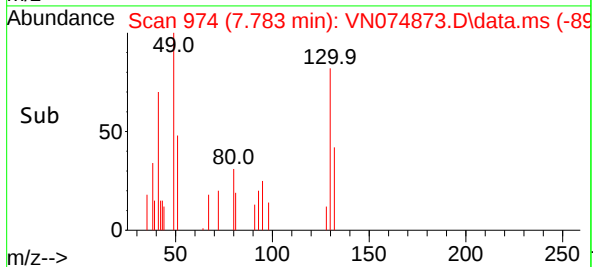
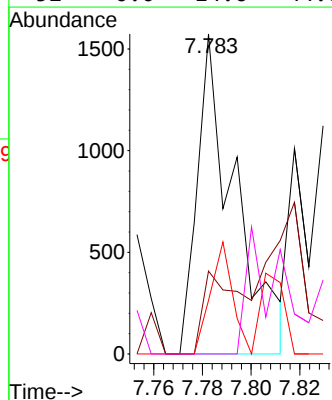
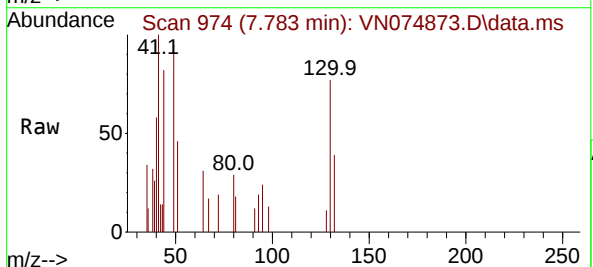
Instrument :
MSVOA_N
ClientSampleId :
IBLK

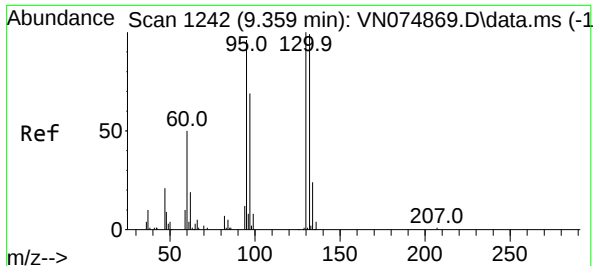
Tgt Ion: 43 Resp: 1239
Ion Ratio Lower Upper
43 100
57 6.2 6.3 9.5#
72 37.1 21.0 31.4#



#35
Methacrylonitrile
Concen: 0.267 ug/l
RT: 7.783 min Scan# 974
Delta R.T. -0.012 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 41 Resp: 1691
Ion Ratio Lower Upper
41 100
39 25.9 27.7 83.1#
67 16.8 38.0 113.9#
52 0.0 14.6 44.0#





#37

Trichloroethene

Concen: 0.247 ug/l

RT: 9.359 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VN074873.D

Acq: 12 Oct 2022 12:38

Instrument :

MSVOA_N

ClientSampleId :

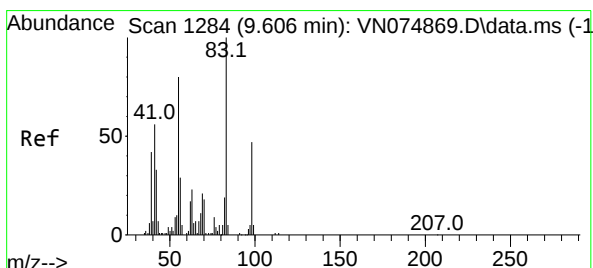
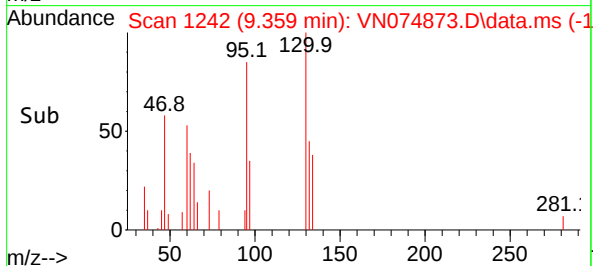
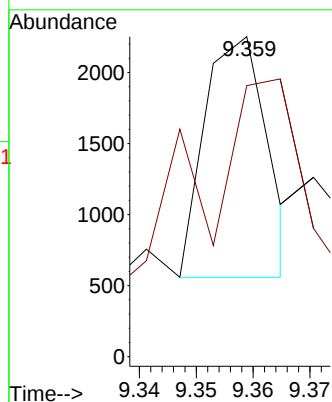
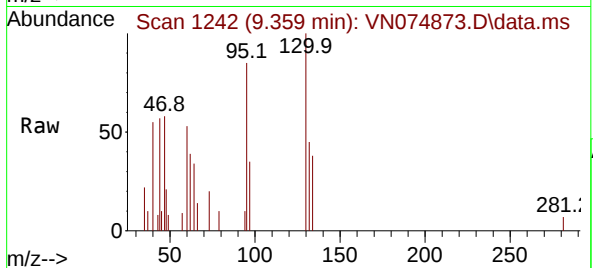
IBLK

Tgt Ion:130 Resp: 1311

Ion Ratio Lower Upper

130 100

95 18.1 75.9 113.9#



#38

Methylcyclohexane

Concen: 0.449 ug/l

RT: 9.612 min Scan# 1285

Delta R.T. 0.006 min

Lab File: VN074873.D

Acq: 12 Oct 2022 12:38

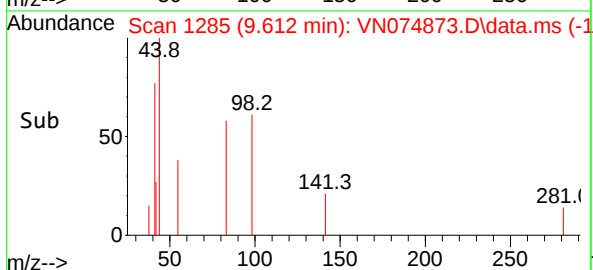
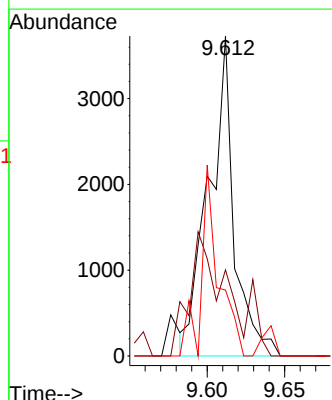
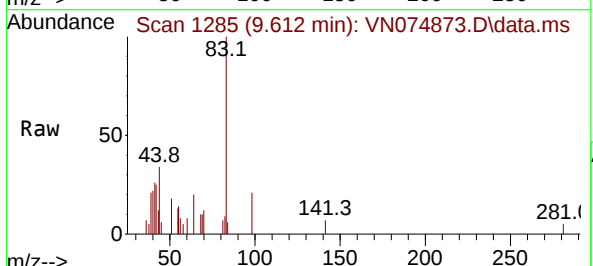
Tgt Ion: 83 Resp: 4217

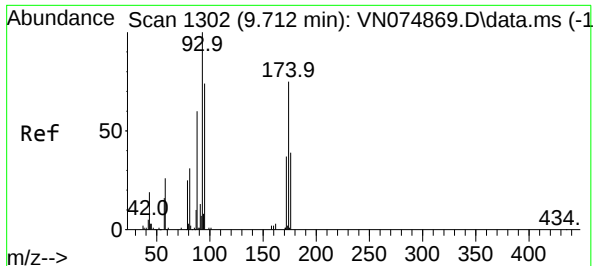
Ion Ratio Lower Upper

83 100

55 9.0 37.4 112.2#

98 4.7 24.5 73.5#

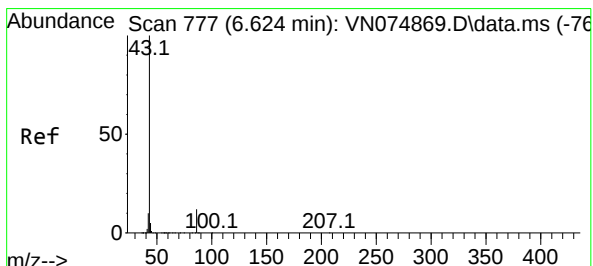
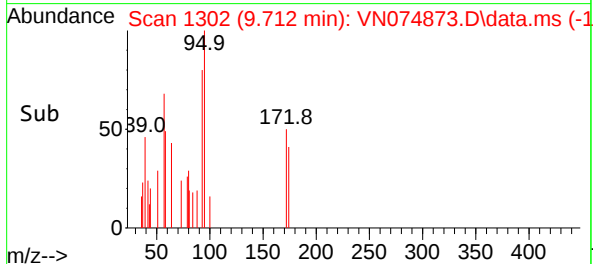
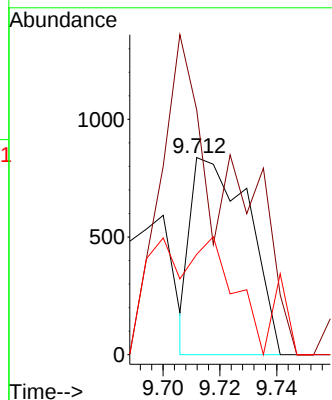
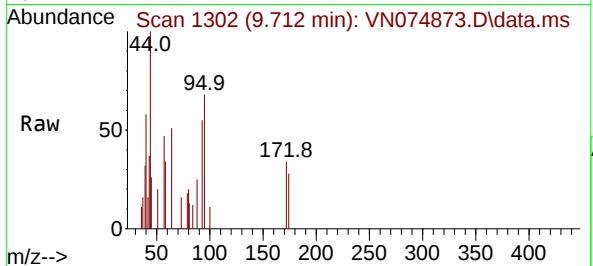




#40
Dibromomethane
Concen: 0.269 ug/l
RT: 9.712 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

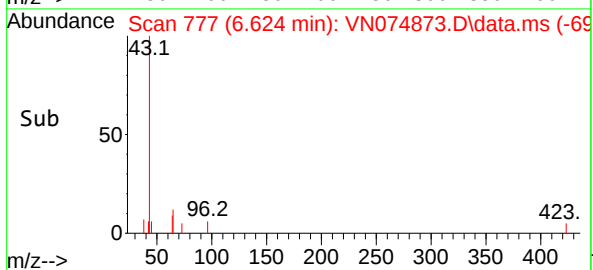
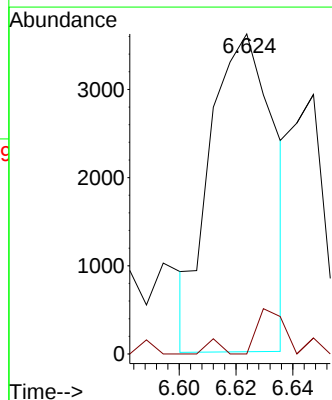
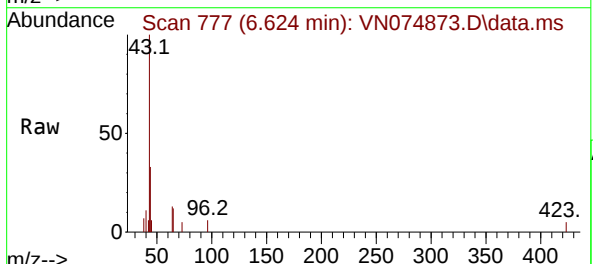
Instrument :
MSVOA_N
ClientSampleId :
IBLK

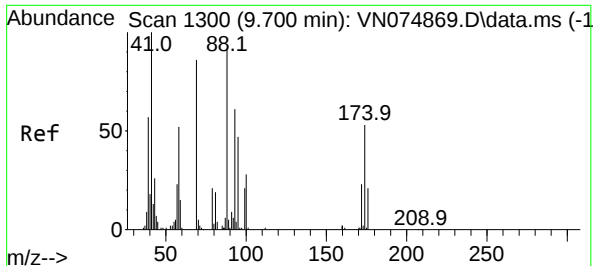
Tgt Ion: 93 Resp: 1183
Ion Ratio Lower Upper
93 100
95 74.4 0.0 168.0
174 43.5 0.0 158.4



#42
Vinyl Acetate
Concen: 0.305 ug/l
RT: 6.624 min Scan# 777
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 43 Resp: 5613
Ion Ratio Lower Upper
43 100
86 5.9 7.5 11.3#





#45

1,4-Dioxane

Concen: 5.675 ug/l

RT: 9.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN074873.D

Acq: 12 Oct 2022 12:38

Instrument :

MSVOA_N

ClientSampleId :

IBLK

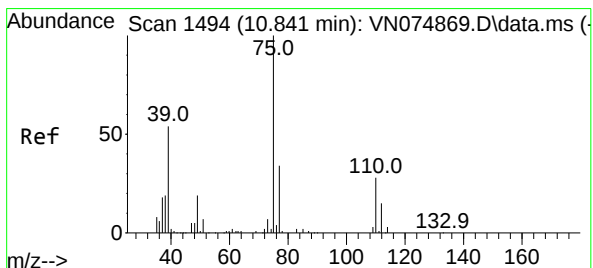
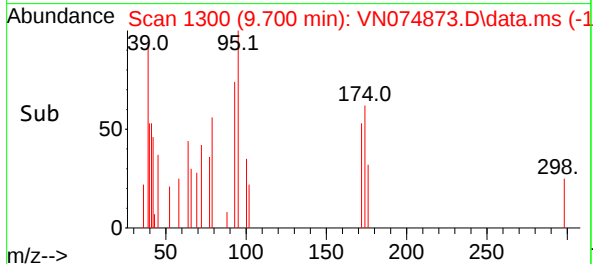
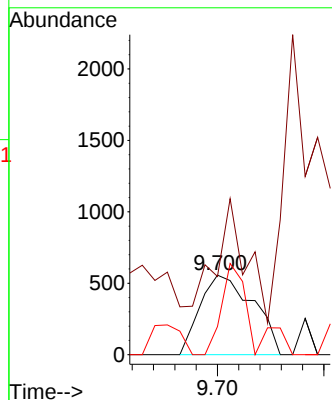
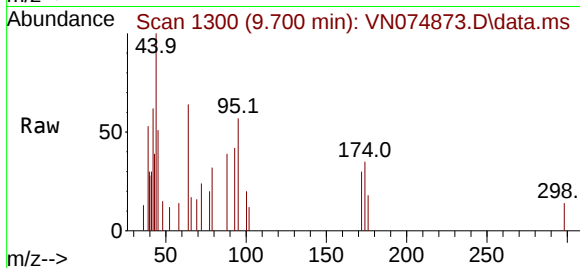
Tgt Ion: 88 Resp: 965

Ion Ratio Lower Upper

88 100

43 93.5 25.7 38.5#

58 49.3 53.4 80.2#



#48

t-1,3-Dichloropropene

Concen: 0.299 ug/l

RT: 10.841 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VN074873.D

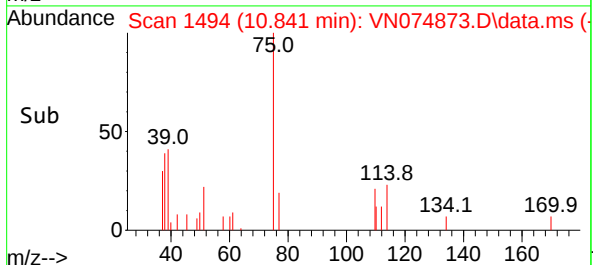
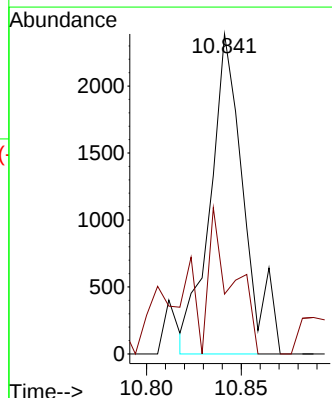
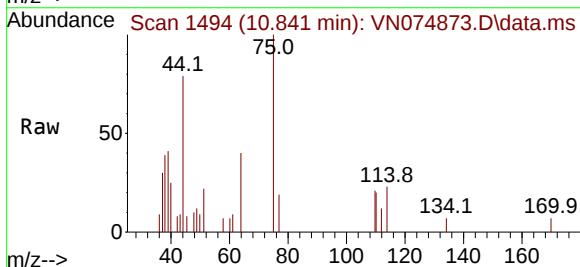
Acq: 12 Oct 2022 12:38

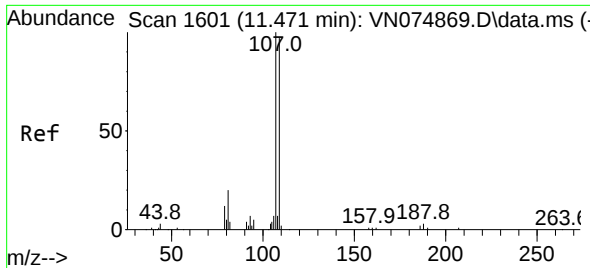
Tgt Ion: 75 Resp: 2934

Ion Ratio Lower Upper

75 100

77 18.7 25.8 38.8#

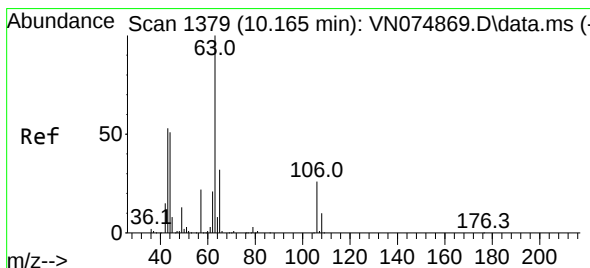
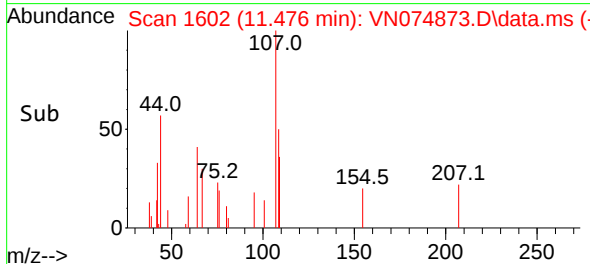
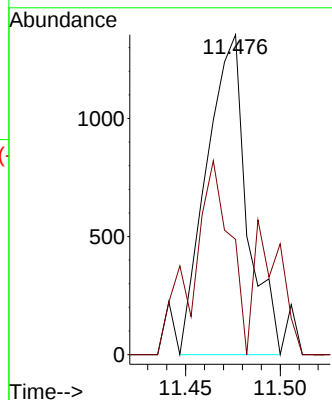
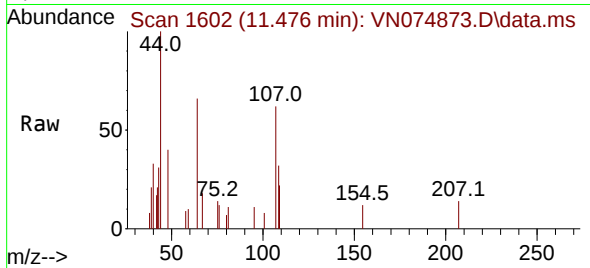




#54
1,2-Dibromoethane
Concen: 0.324 ug/l
RT: 11.476 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

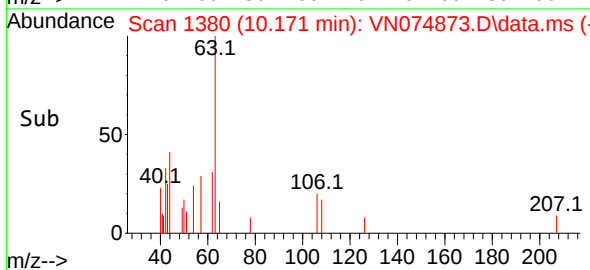
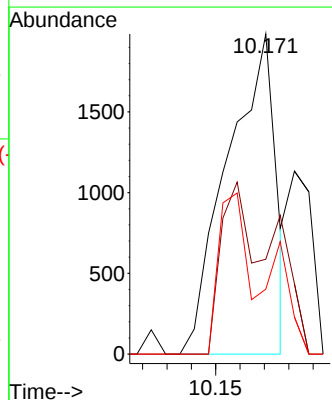
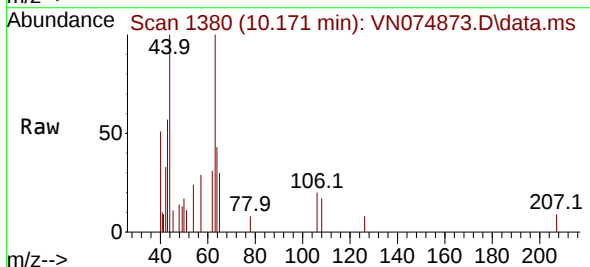
Instrument :
MSVOA_N
ClientSampleId :
IBLK

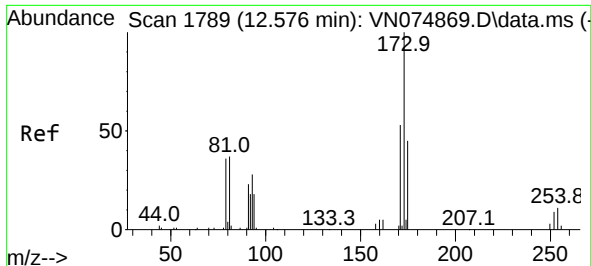
Tgt Ion:107 Resp: 2013
Ion Ratio Lower Upper
107 100
109 26.7 76.2 114.2#



#55
2-Chloroethyl vinyl ether
Concen: 0.636 ug/l
RT: 10.171 min Scan# 1380
Delta R.T. 0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 63 Resp: 2731
Ion Ratio Lower Upper
63 100
65 31.9 24.6 36.8
106 29.3 21.3 31.9

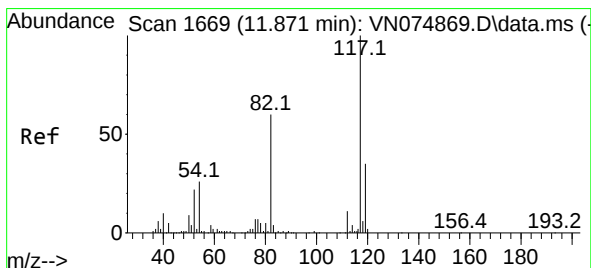
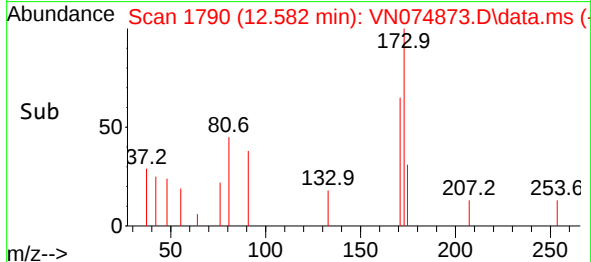
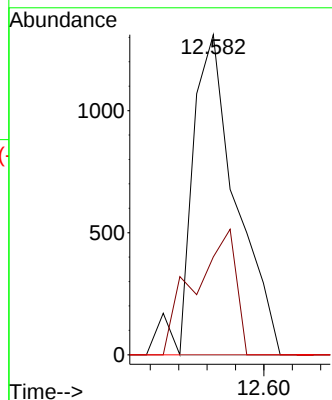
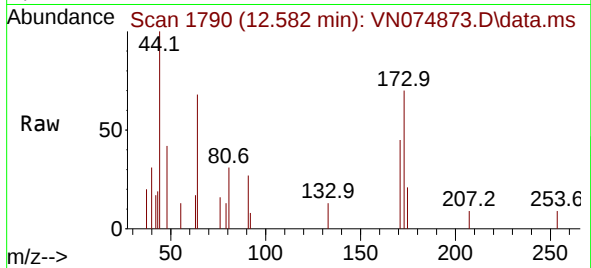




#56
Bromoform
Concen: 0.298 ug/l
RT: 12.582 min Scan# 1790
Delta R.T. 0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

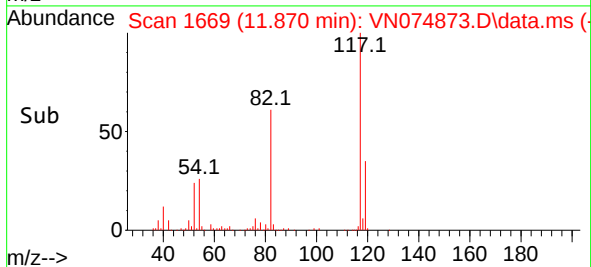
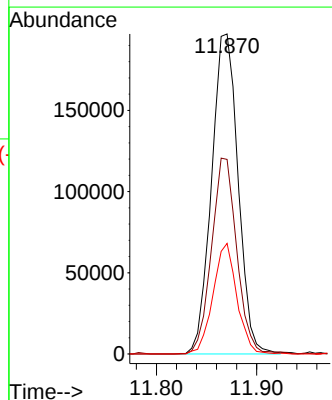
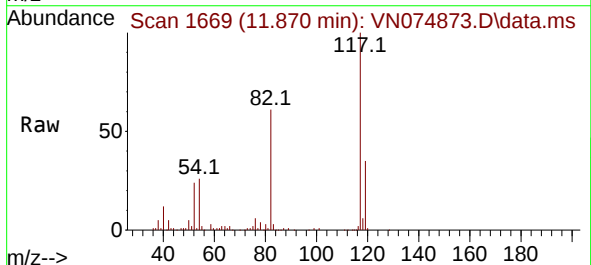
Instrument :
MSVOA_N
ClientSampleId :
IBLK

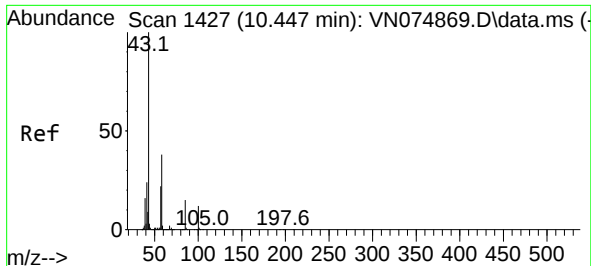
Tgt Ion:173 Resp: 1359
Ion Ratio Lower Upper
173 100
175 38.5 39.1 58.7#
254 0.0 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion:117 Resp: 362416
Ion Ratio Lower Upper
117 100
82 58.5 44.6 67.0
119 31.0 25.6 38.4

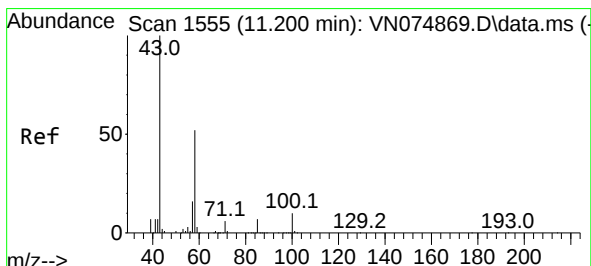
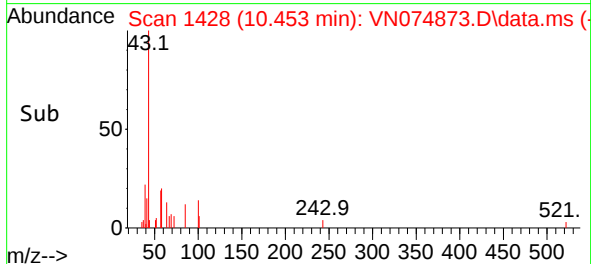
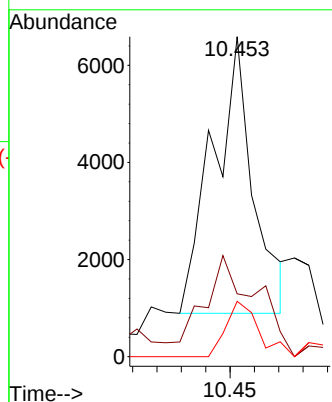
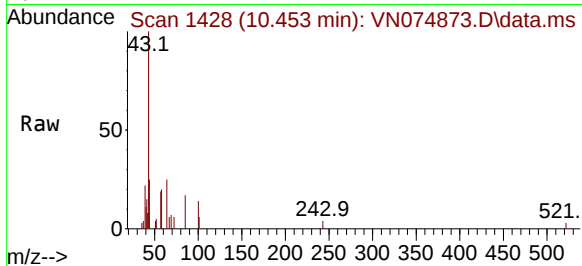




#58
4-Methyl-2-Pentanone
Concen: 0.580 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

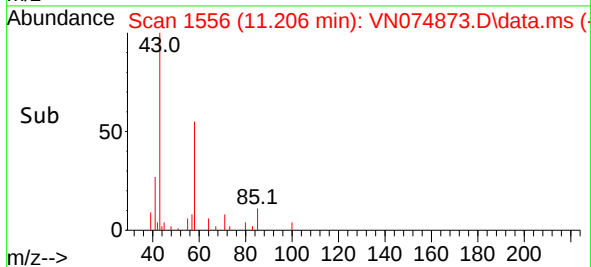
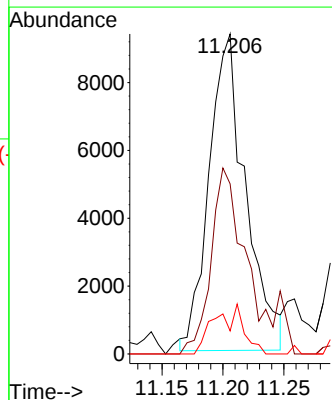
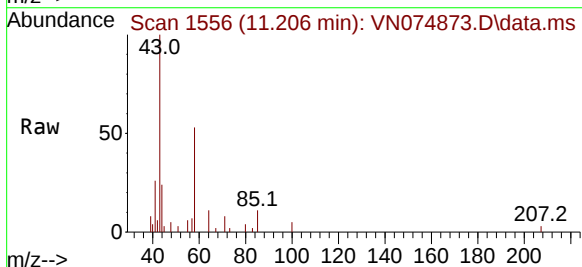
Instrument :
MSVOA_N
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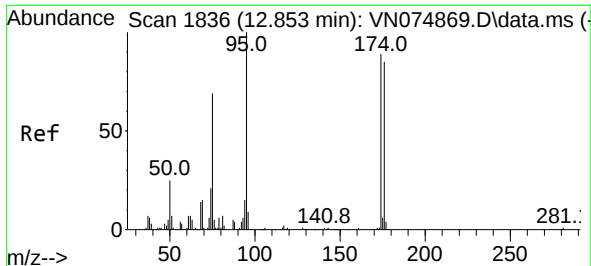
Tgt Ion:	43	Resp:	6542
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.8	46.2
85	16.2	13.3	19.9



#59
2-Hexanone
Concen: 2.243 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion:	43	Resp:	19454
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.6	65.4#
57	4.8	14.3	21.5#

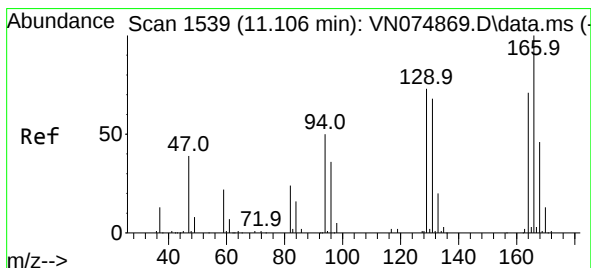
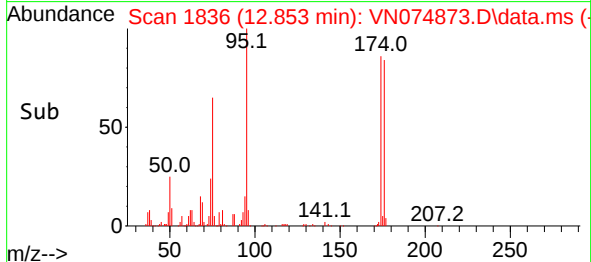
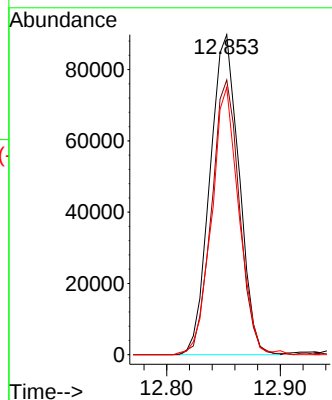
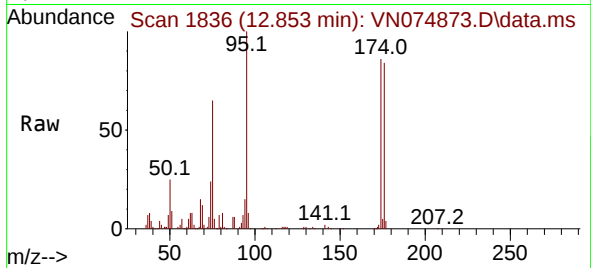




#60
4-Bromofluorobenzene
Concen: 24.850 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

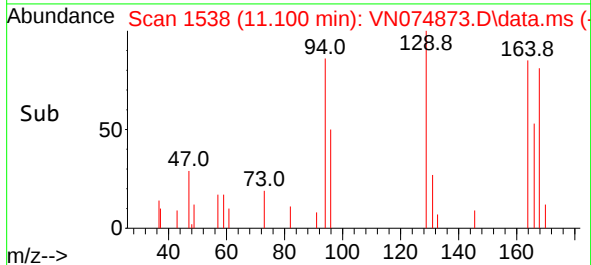
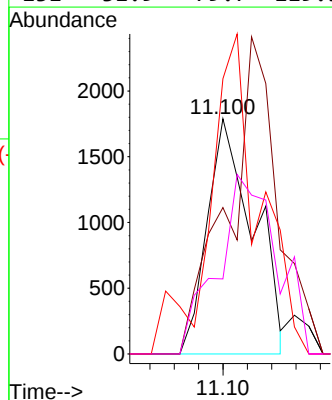
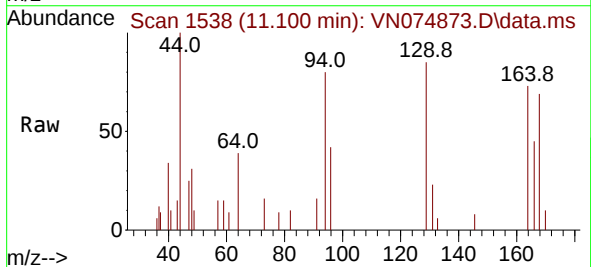
Instrument :
MSVOA_N
ClientSampleId :
IBLK

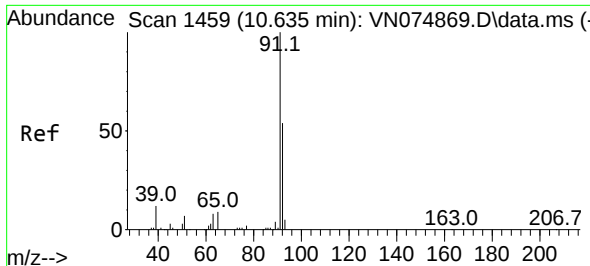
Tgt Ion: 95 Resp: 159712
Ion Ratio Lower Upper
95 100
174 82.0 57.8 86.8
176 78.2 57.0 85.4



#61
Tetrachloroethene
Concen: 0.611 ug/l
RT: 11.100 min Scan# 1538
Delta R.T. -0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 164 Resp: 2360
Ion Ratio Lower Upper
164 100
166 62.3 99.6 149.4#
129 96.9 84.0 126.0
131 31.9 79.7 119.5#

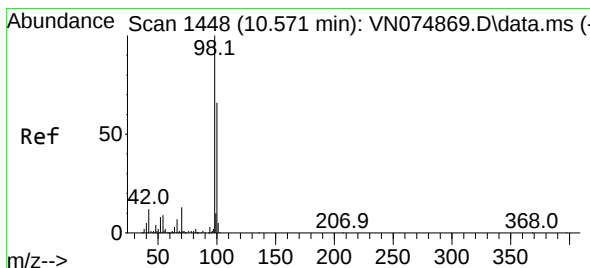
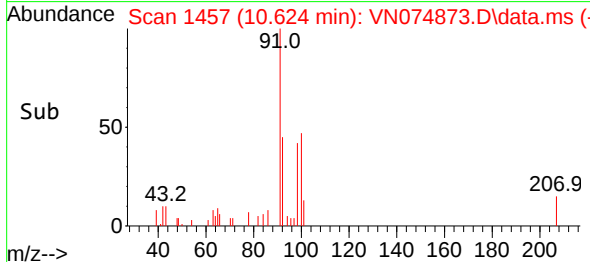
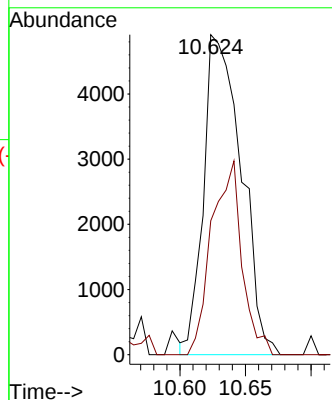
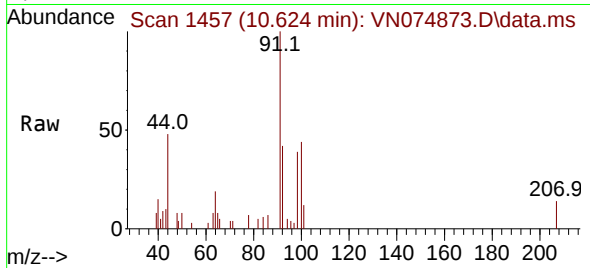




#62
Toluene
Concen: 0.392 ug/l
RT: 10.624 min Scan# 1457
Delta R.T. -0.012 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

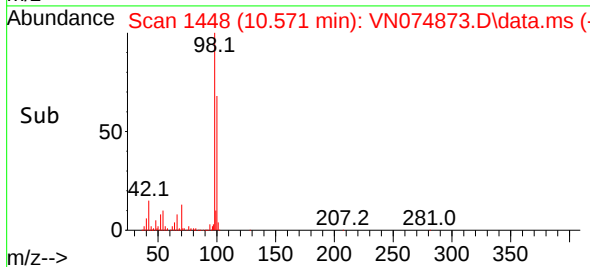
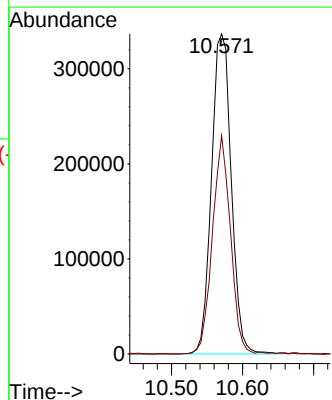
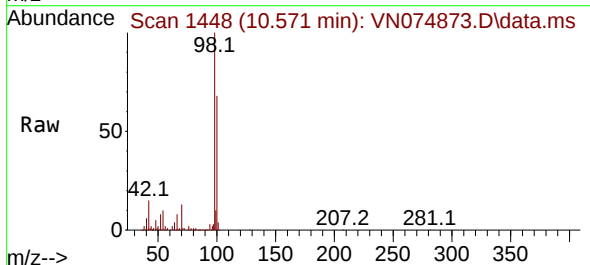
Instrument :
MSVOA_N
ClientSampleId :
IBLK

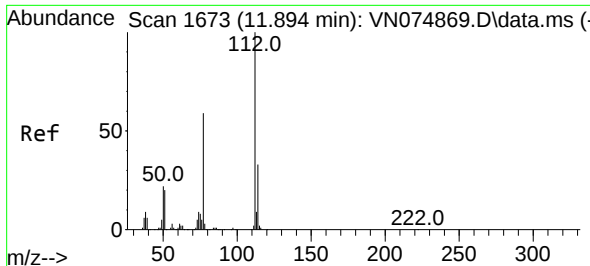
Tgt Ion: 91 Resp: 9818
Ion Ratio Lower Upper
91 100
92 48.6 46.0 69.0



#63
Toluene-d8
Concen: 31.137 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 98 Resp: 651295
Ion Ratio Lower Upper
98 100
100 62.2 52.7 79.1

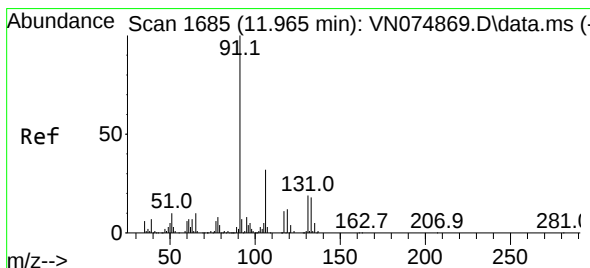
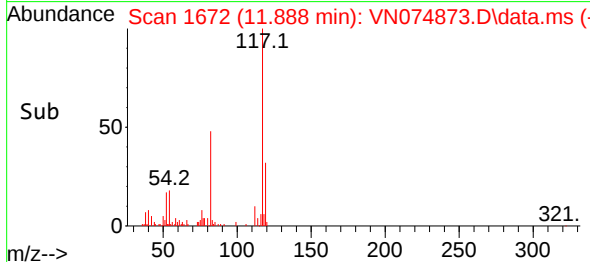
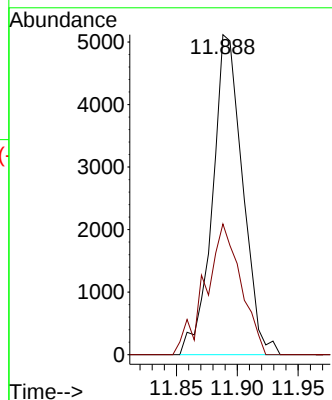
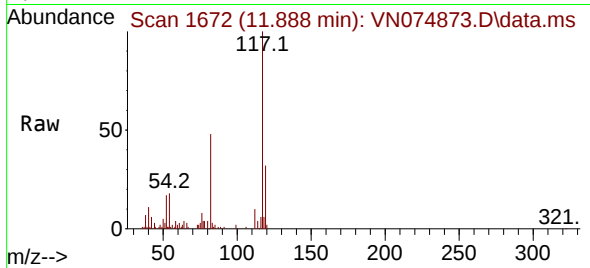




#64
Chlorobenzene
Concen: 0.618 ug/l
RT: 11.888 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

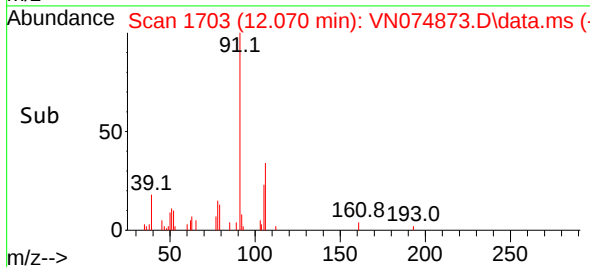
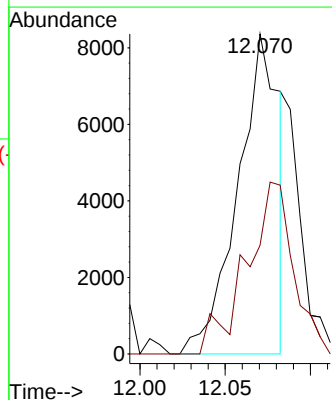
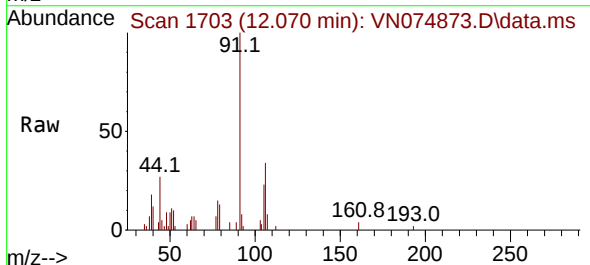
Instrument :
MSVOA_N
ClientSampleId :
IBLK

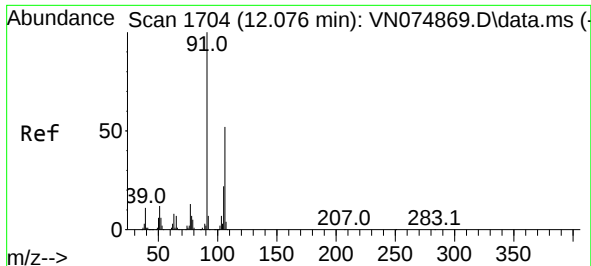
Tgt Ion:112 Resp: 8799
Ion Ratio Lower Upper
112 100
114 44.8 24.7 37.1#



#66
Ethyl Benzene
Concen: 0.515 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. 0.106 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 91 Resp: 14013
Ion Ratio Lower Upper
91 100
106 34.0 24.1 36.1

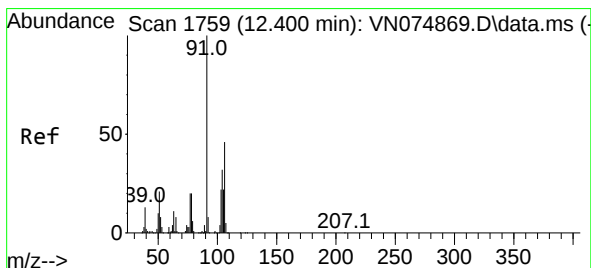
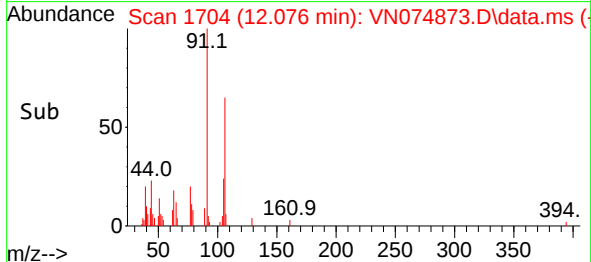
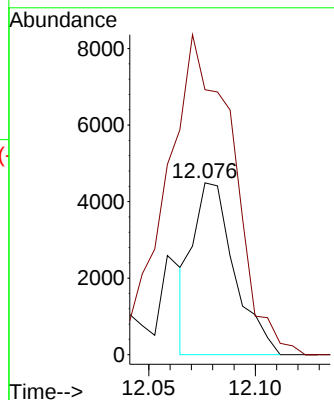
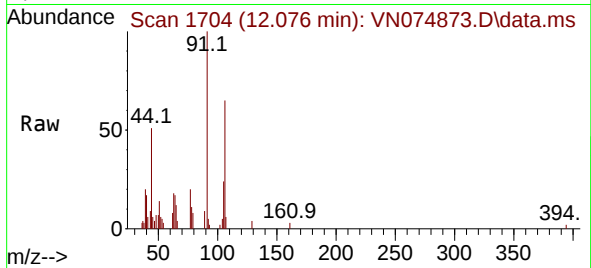




#67
m/p-Xylenes
Concen: 0.589 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

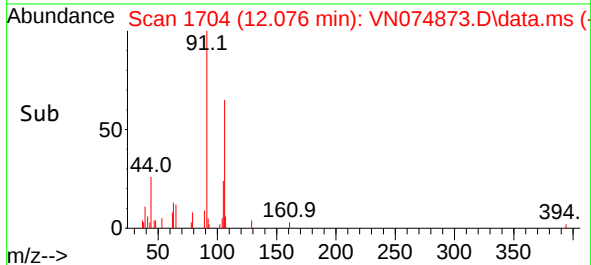
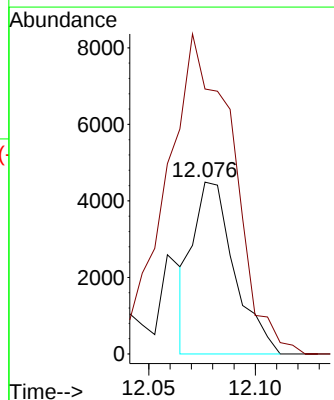
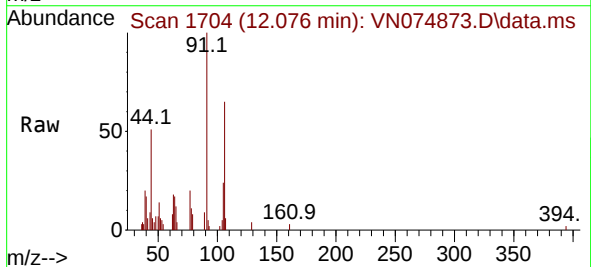
Instrument :
MSVOA_N
ClientSampleId :
IBLK

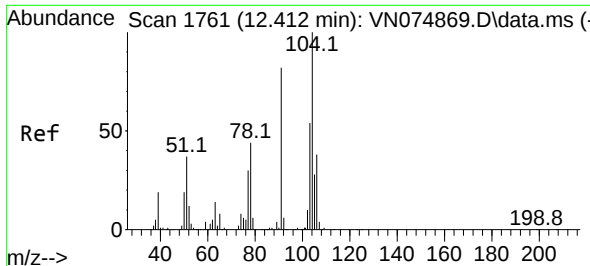
Tgt Ion:106 Resp: 6024
Ion Ratio Lower Upper
106 100
91 232.6 164.2 246.4



#68
o-Xylene
Concen: 0.579 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. -0.324 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion:106 Resp: 6024
Ion Ratio Lower Upper
106 100
91 232.6 108.5 325.5

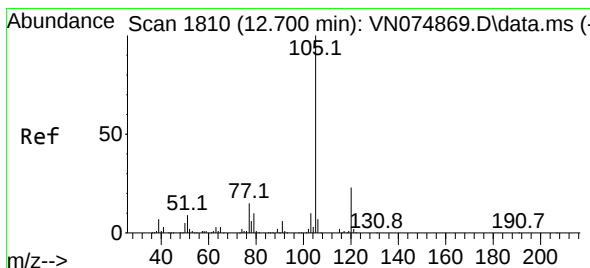
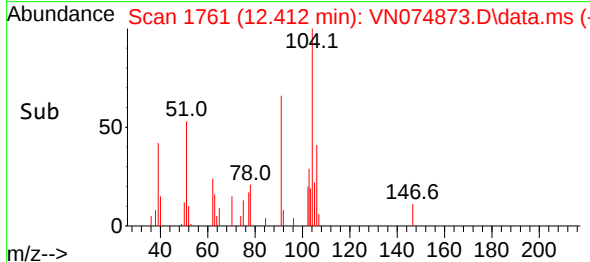
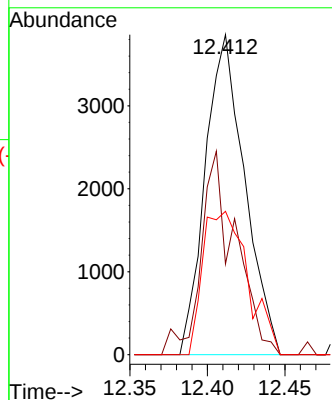
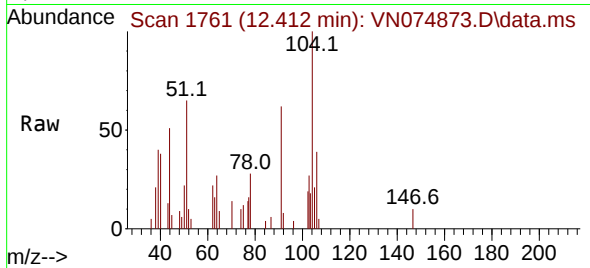




#69
Styrene
Concen: 0.401 ug/l
RT: 12.412 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

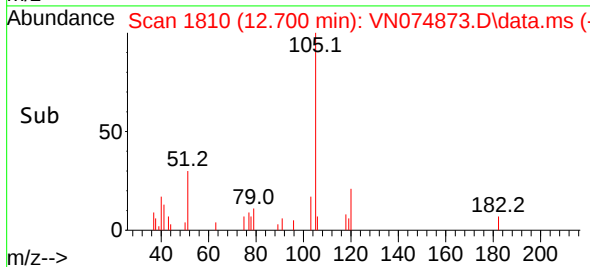
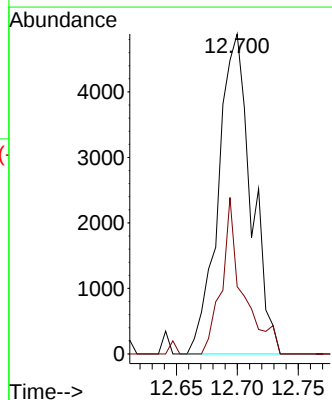
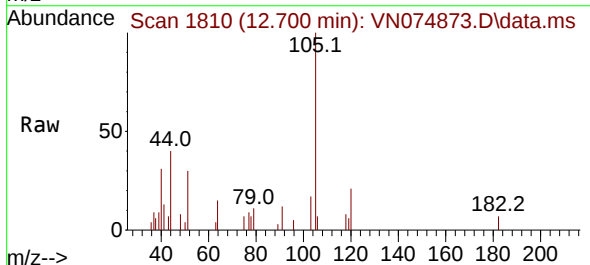
Instrument :
MSVOA_N
ClientSampleId :
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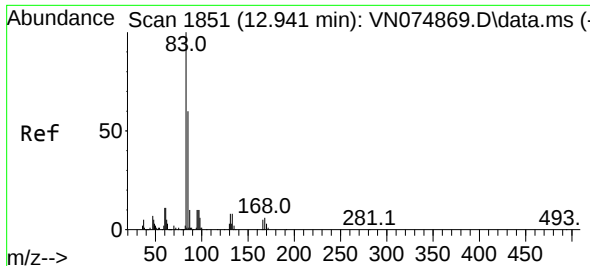
Tgt Ion:104 Resp: 6829
Ion Ratio Lower Upper
104 100
78 29.5 39.9 59.9#
103 45.8 43.8 65.8



#70
Isopropylbenzene
Concen: 0.344 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion:105 Resp: 9223
Ion Ratio Lower Upper
105 100
120 29.5 18.5 34.3

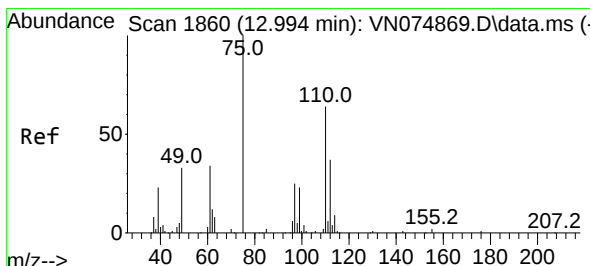
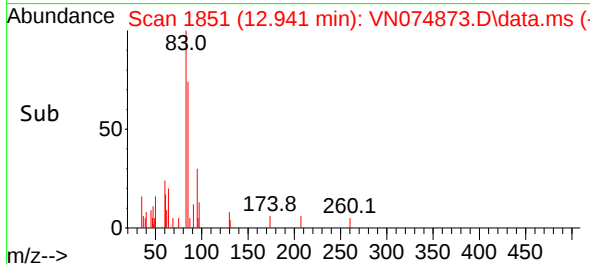
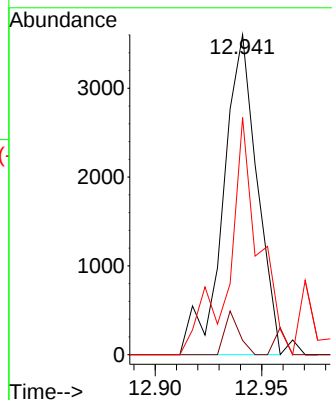
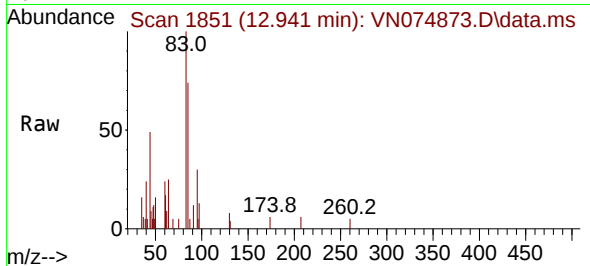




#71
1,1,2,2-Tetrachloroethane
Concen: 0.397 ug/l
RT: 12.941 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

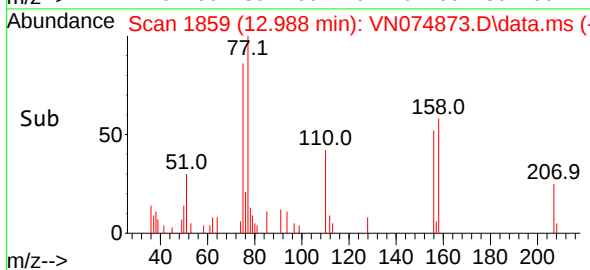
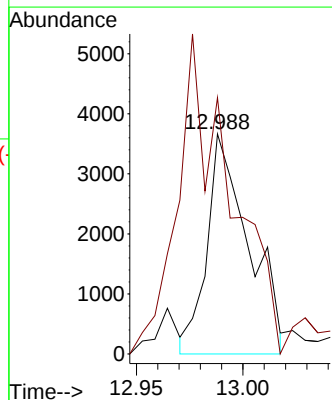
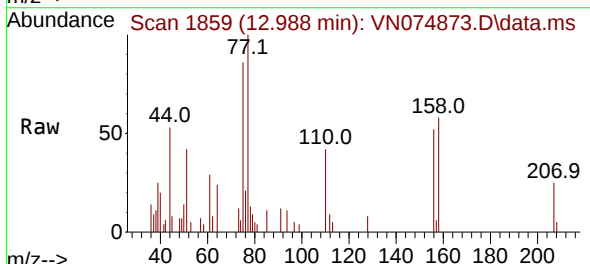
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MSVOA_N
ClientSampleId :
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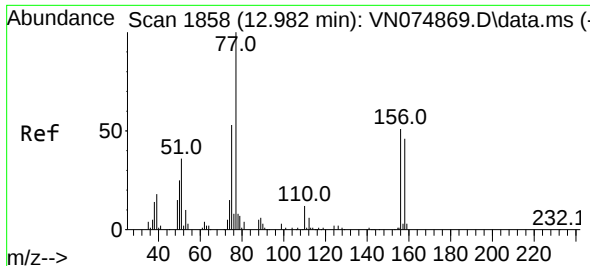
Tgt Ion: 83 Resp: 3985
Ion Ratio Lower Upper
83 100
131 5.8 4.5 13.5
85 53.9 30.9 92.7



#72
1,2,3-Trichloropropane
Concen: 0.590 ug/l
RT: 12.988 min Scan# 1859
Delta R.T. -0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 75 Resp: 4972
Ion Ratio Lower Upper
75 100
77 0.0 0.0 372.4

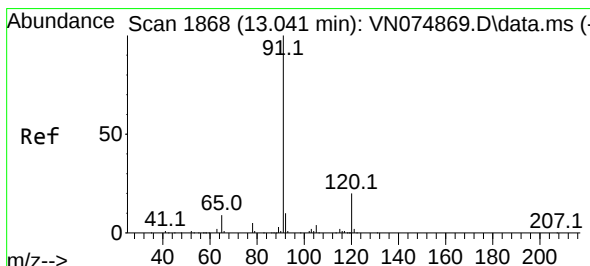
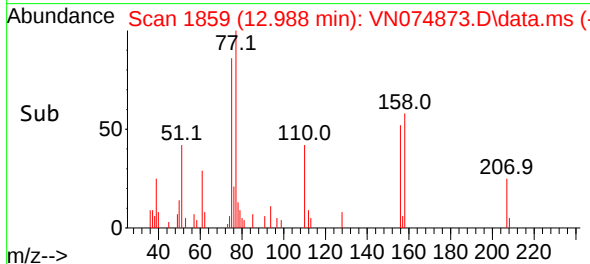
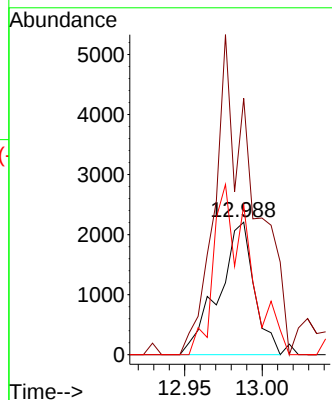
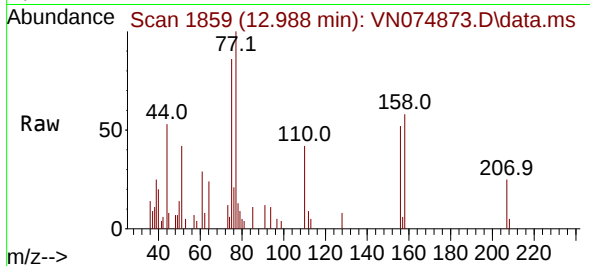




#73
Bromobenzene
Concen: 0.621 ug/l
RT: 12.988 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

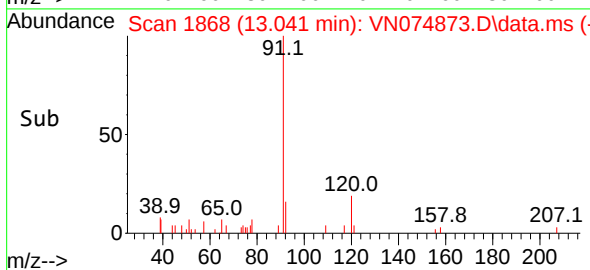
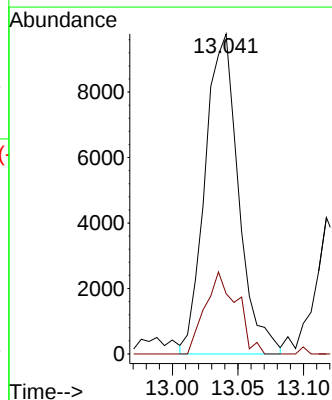
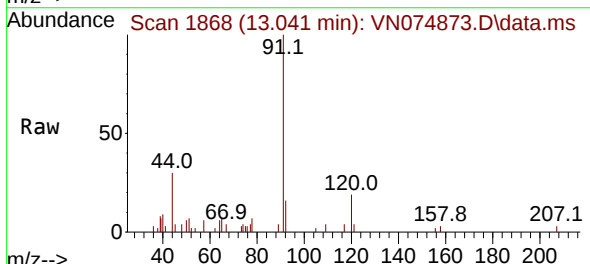
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MSVOA_N
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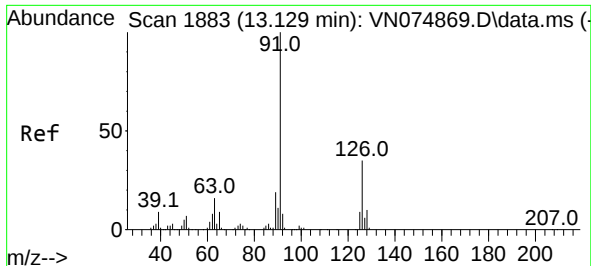
Tgt Ion:156 Resp: 3489
Ion Ratio Lower Upper
156 100
77 200.3 0.0 491.8
158 74.1 0.0 185.0



#74
n-propylbenzene
Concen: 0.555 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 91 Resp: 17338
Ion Ratio Lower Upper
91 100
120 19.8 0.0 44.6

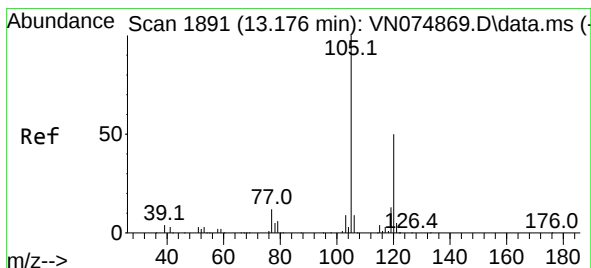
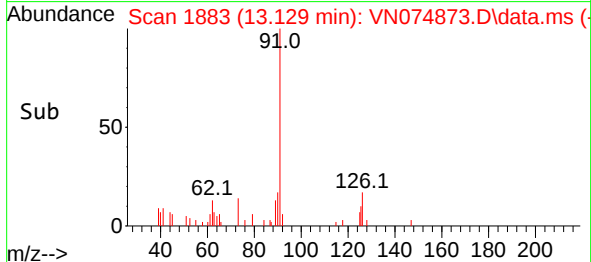
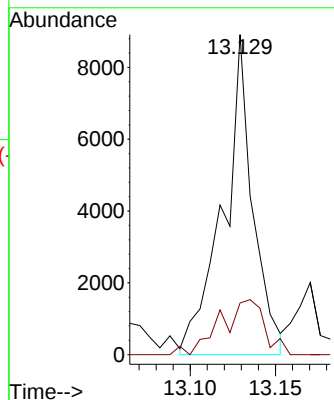
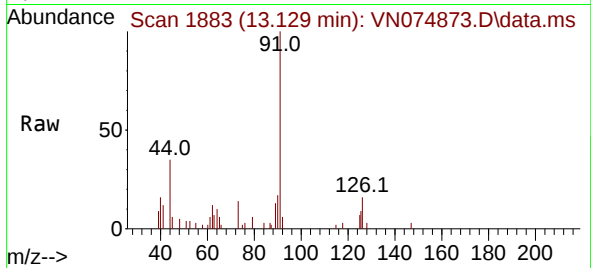




#75
2-Chlorotoluene
Concen: 0.584 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

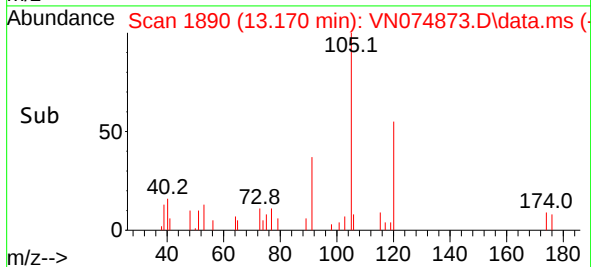
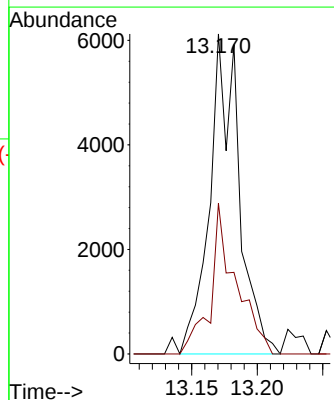
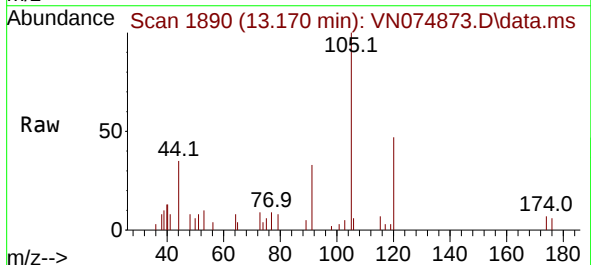
Instrument :
MSVOA_N
ClientSampleId :
IBLK

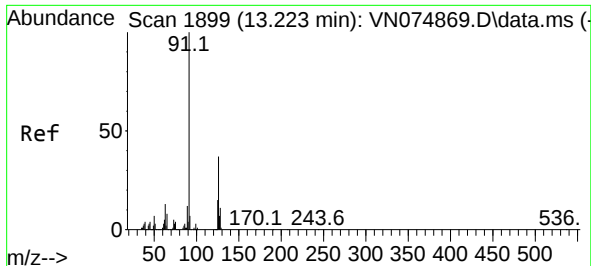
Tgt Ion: 91 Resp: 10686
Ion Ratio Lower Upper
91 100
126 25.3 0.0 66.2



#76
1,3,5-Trimethylbenzene
Concen: 0.435 ug/l
RT: 13.170 min Scan# 1890
Delta R.T. -0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 105 Resp: 9474
Ion Ratio Lower Upper
105 100
120 32.9 0.0 97.4

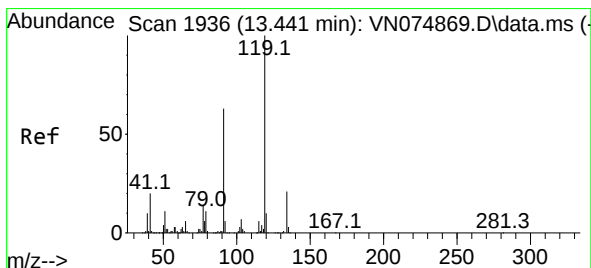
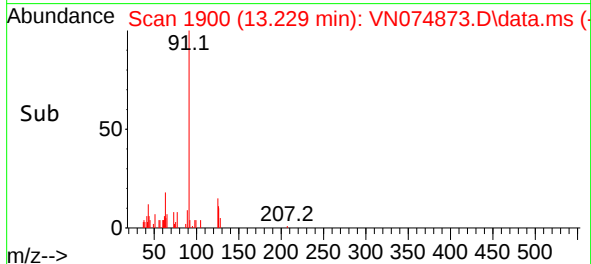
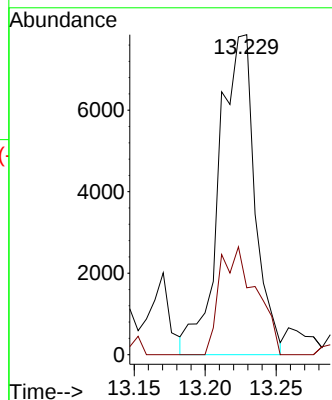
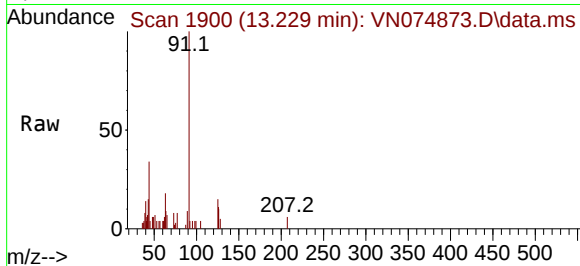




#78
4-Chlorotoluene
Concen: 0.790 ug/l
RT: 13.229 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

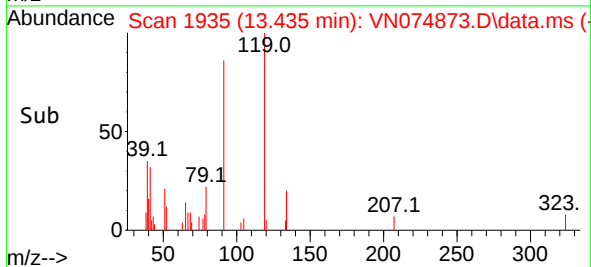
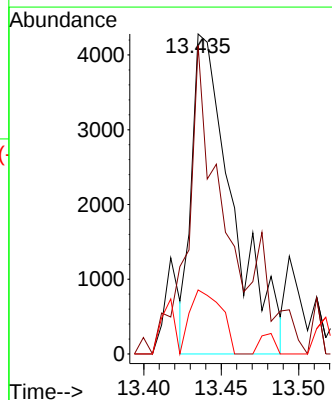
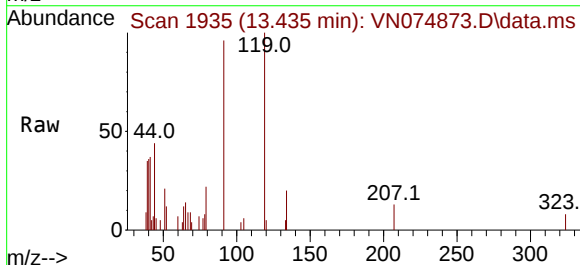
Instrument :
MSVOA_N
ClientSampleId :
IBLK

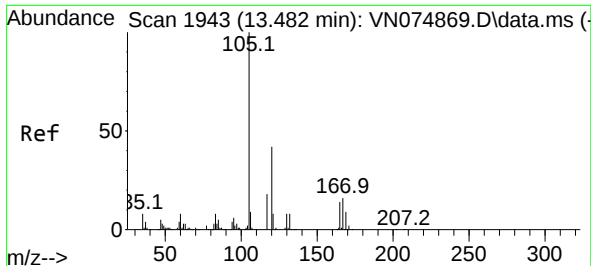
Tgt Ion: 91 Resp: 13794
Ion Ratio Lower Upper
91 100
126 34.2 0.0 67.8



#79
tert-butylbenzene
Concen: 0.405 ug/l
RT: 13.435 min Scan# 1935
Delta R.T. -0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 119 Resp: 7849
Ion Ratio Lower Upper
119 100
91 74.2 0.0 129.0
134 15.4 0.0 52.2

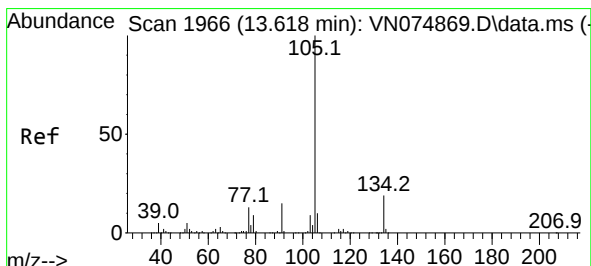
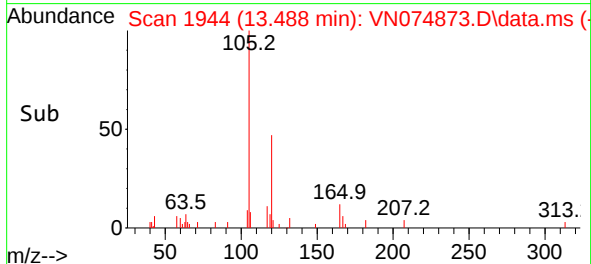
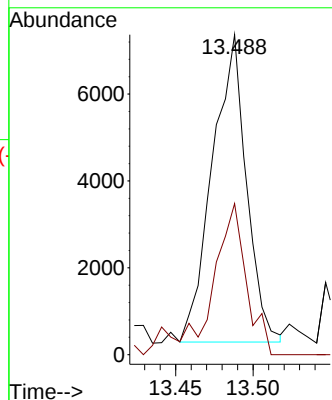
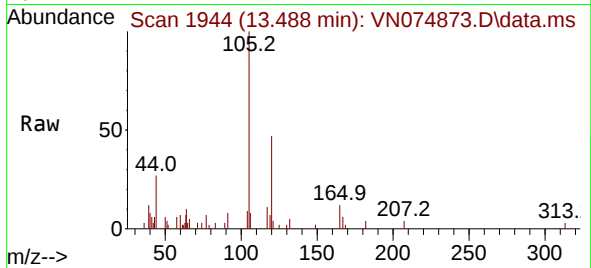




#80
 1,2,4-Trimethylbenzene
 Concen: 0.493 ug/l
 RT: 13.488 min Scan# 1943
 Delta R.T. 0.006 min
 Lab File: VN074873.D
 Acq: 12 Oct 2022 12:38

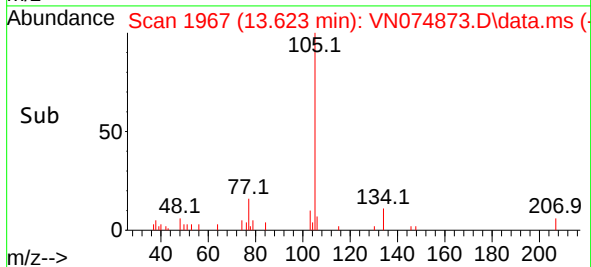
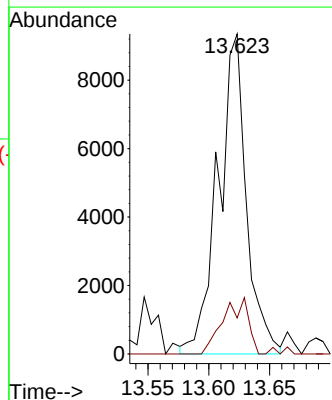
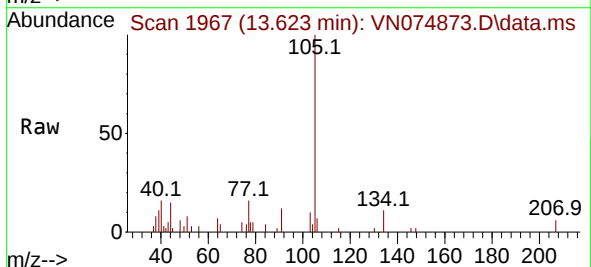
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

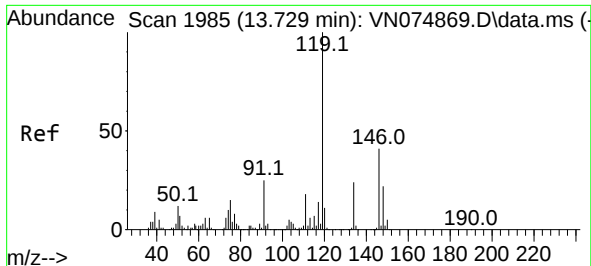
Tgt Ion:105 Resp: 10812
 Ion Ratio Lower Upper
 105 100
 120 41.9 0.0 93.2



#81
 sec-Butylbenzene
 Concen: 0.539 ug/l
 RT: 13.623 min Scan# 1967
 Delta R.T. 0.006 min
 Lab File: VN074873.D
 Acq: 12 Oct 2022 12:38

Tgt Ion:105 Resp: 15021
 Ion Ratio Lower Upper
 105 100
 134 15.8 0.0 38.8

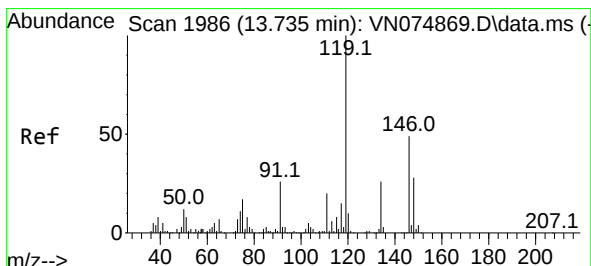
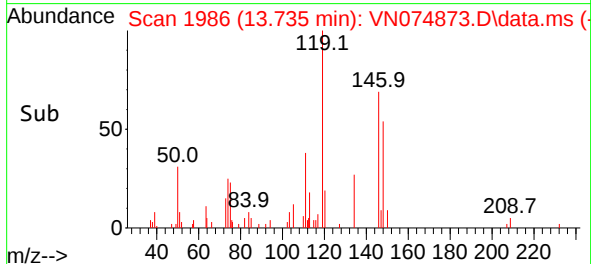
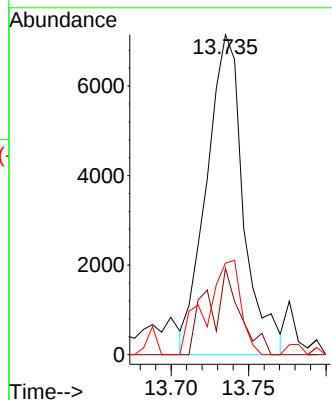
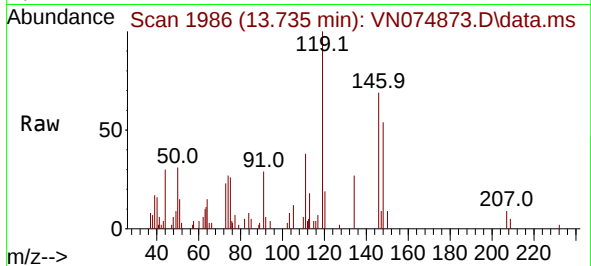




#82
p-Isopropyltoluene
Concen: 0.537 ug/l
RT: 13.735 min Scan# 1985
Delta R.T. 0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

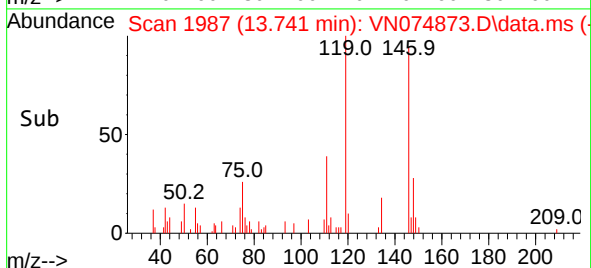
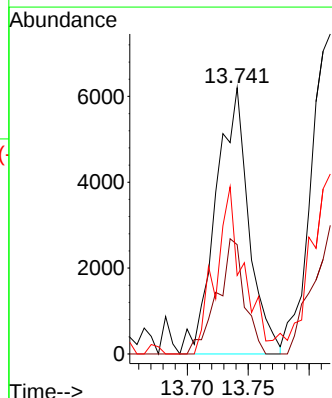
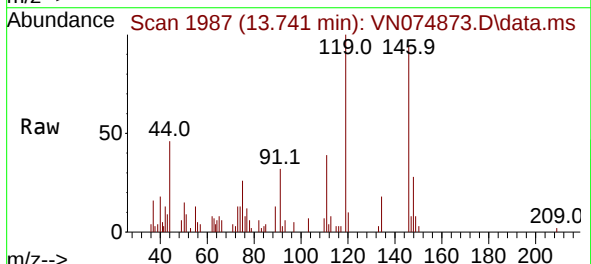
Instrument :
MSVOA_N
ClientSampleId :
IBLK

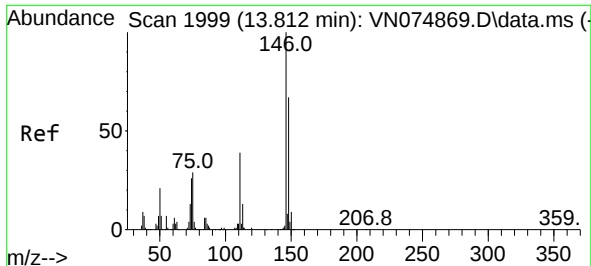
Tgt Ion:119 Resp: 11879
Ion Ratio Lower Upper
119 100
134 13.8 0.0 51.4
91 19.8 0.0 46.8



#83
1,3-Dichlorobenzene
Concen: 1.067 ug/l
RT: 13.741 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion:146 Resp: 11698
Ion Ratio Lower Upper
146 100
111 35.5 20.5 61.5
148 52.3 31.0 93.0

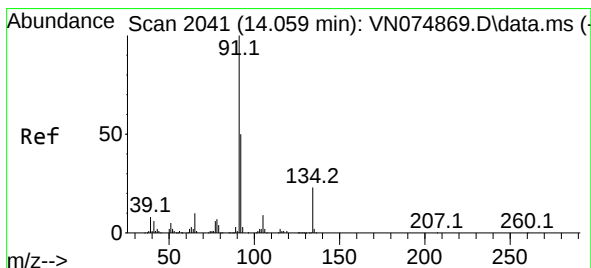
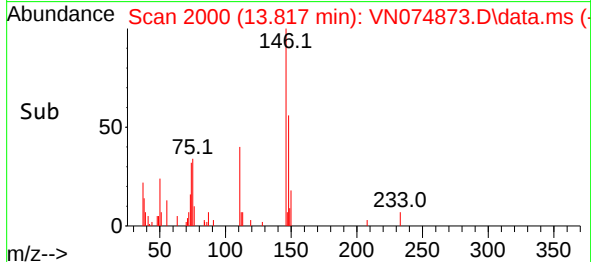
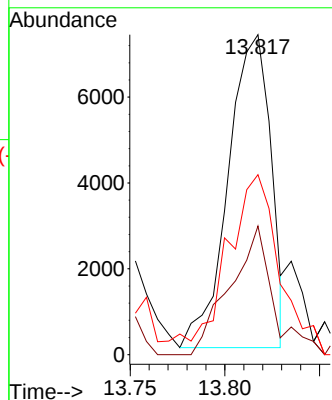
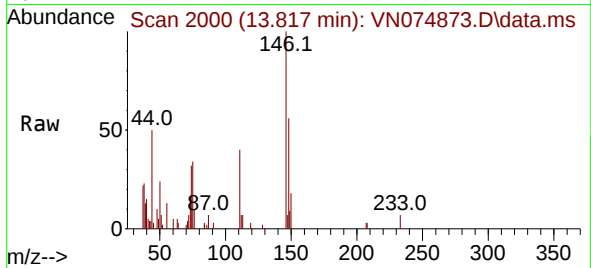




#84
1,4-Dichlorobenzene
Concen: 1.091 ug/l
RT: 13.817 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

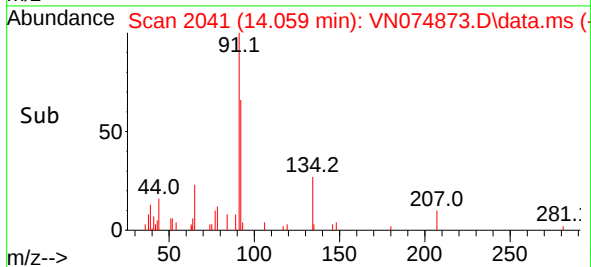
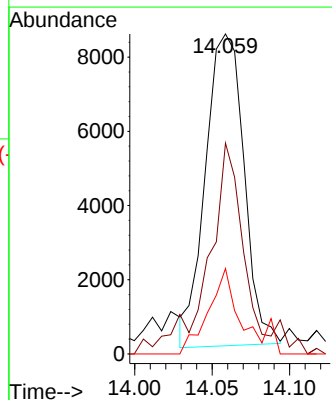
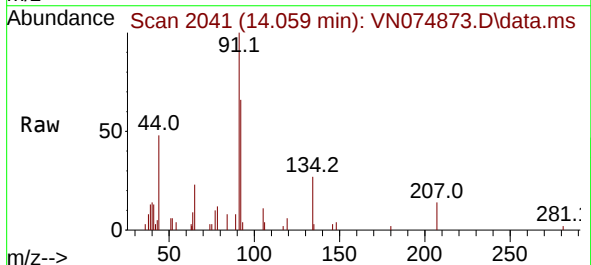
Instrument :
MSVOA_N
ClientSampleId :
IBLK

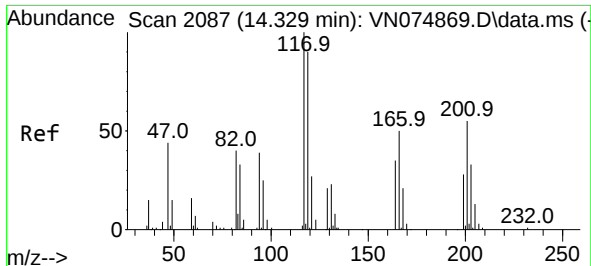
Tgt Ion:146 Resp: 11492
Ion Ratio Lower Upper
146 100
111 37.0 19.1 57.5
148 68.5 31.7 95.1



#85
n-Butylbenzene
Concen: 0.744 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion: 91 Resp: 14541
Ion Ratio Lower Upper
91 100
92 54.0 0.0 105.4
134 21.5 0.0 46.4

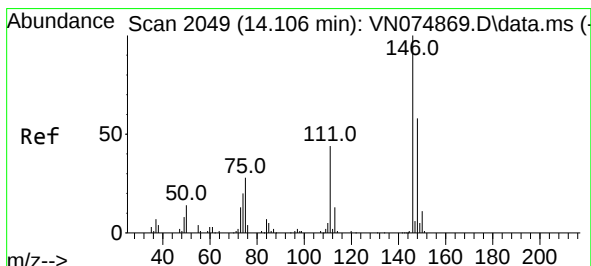
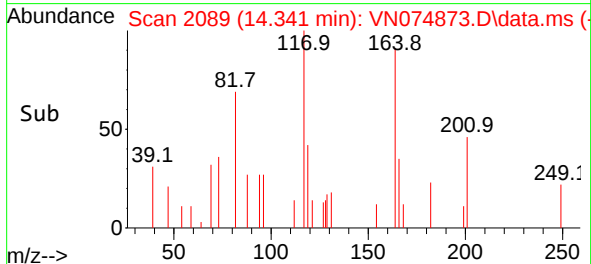
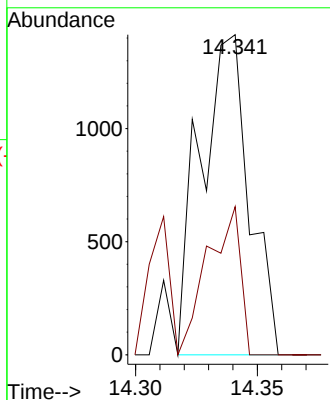
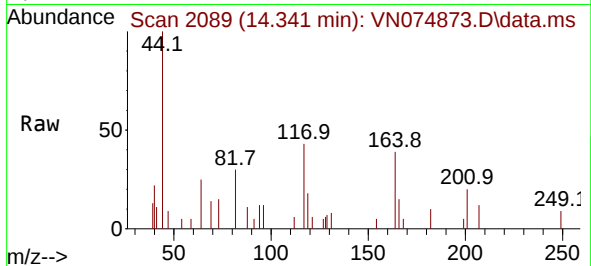




#86
Hexachloroethane
Concen: 0.457 ug/l
RT: 14.341 min Scan# 2089
Delta R.T. 0.012 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

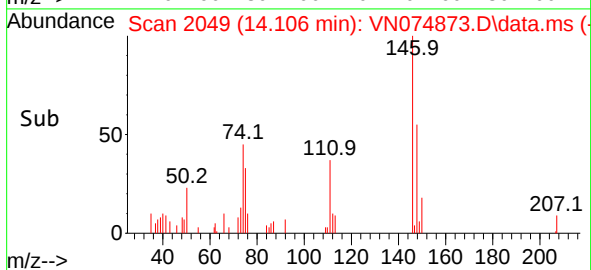
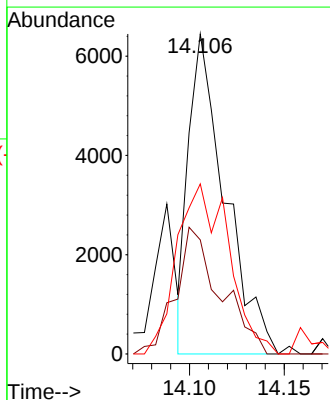
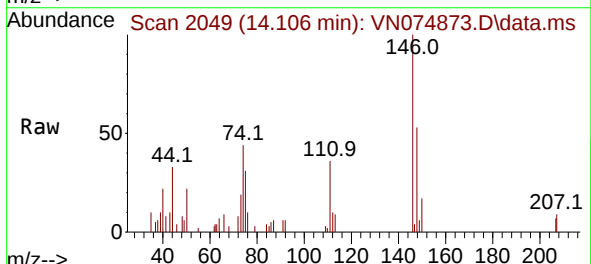
Instrument :
MSVOA_N
ClientSampleId :
IBLK

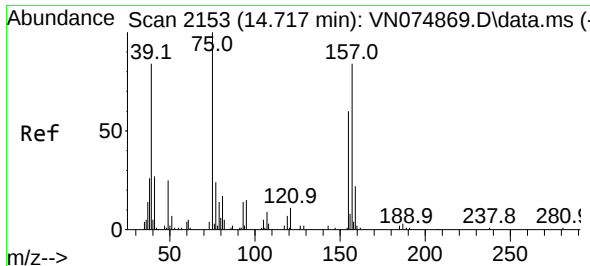
Tgt Ion:117 Resp: 1983
Ion Ratio Lower Upper
117 100
201 31.1 29.4 88.3



#87
1,2-Dichlorobenzene
Concen: 0.793 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion:146 Resp: 8631
Ion Ratio Lower Upper
146 100
111 39.6 21.4 64.2
148 75.6 30.6 92.0

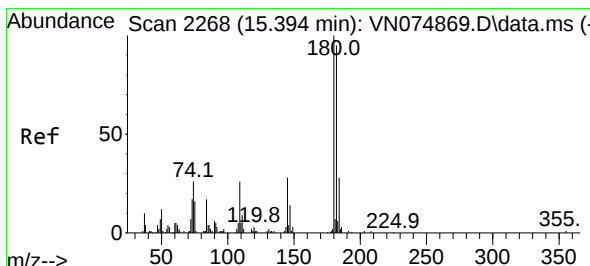
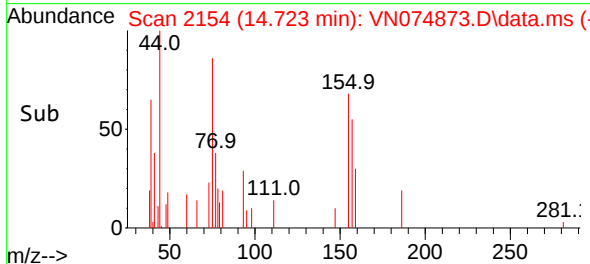
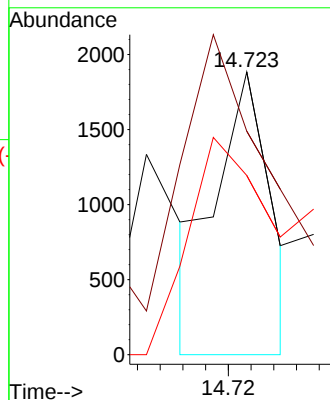
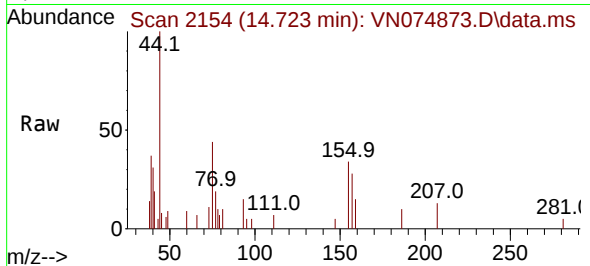




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.615 ug/l
 RT: 14.723 min Scan# 2153
 Delta R.T. 0.006 min
 Lab File: VN074873.D
 Acq: 12 Oct 2022 12:38

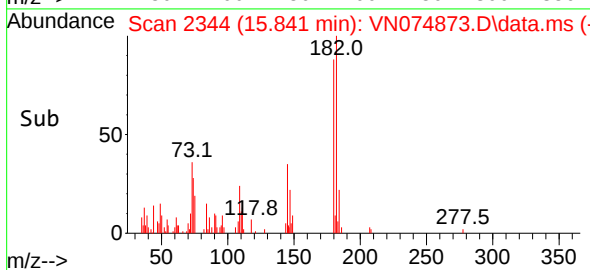
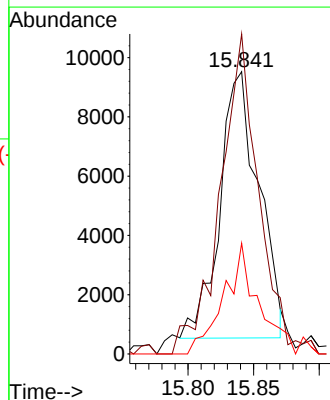
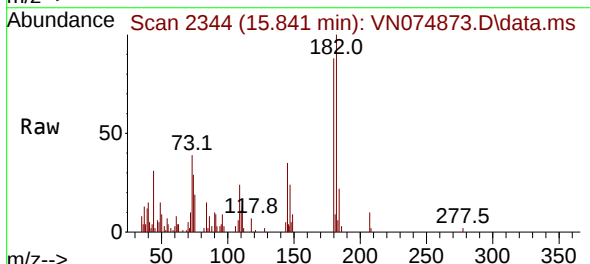
Instrument :
 MSVOA_N
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 IBLK

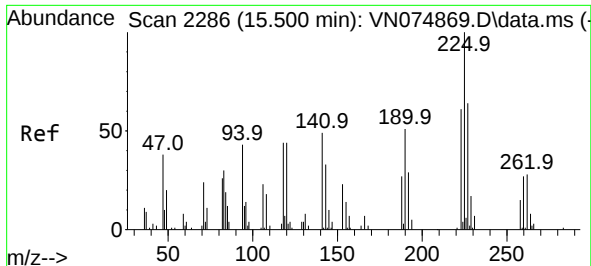
Tgt Ion: 75 Resp: 1245
 Ion Ratio Lower Upper
 75 100
 155 212.4 66.3 99.5#
 157 113.8 84.3 126.5



#89
 1,2,4-Trichlorobenzene
 Concen: 3.738 ug/l
 RT: 15.841 min Scan# 2344
 Delta R.T. 0.447 min
 Lab File: VN074873.D
 Acq: 12 Oct 2022 12:38

Tgt Ion: 180 Resp: 18584
 Ion Ratio Lower Upper
 180 100
 182 93.1 74.9 112.3
 145 35.4 26.3 39.5

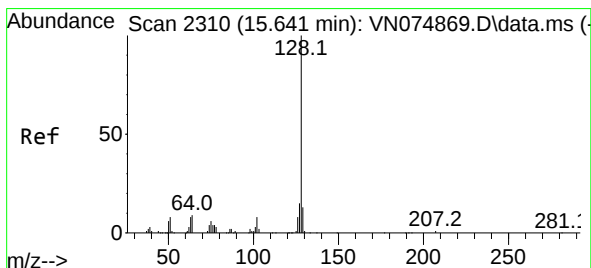
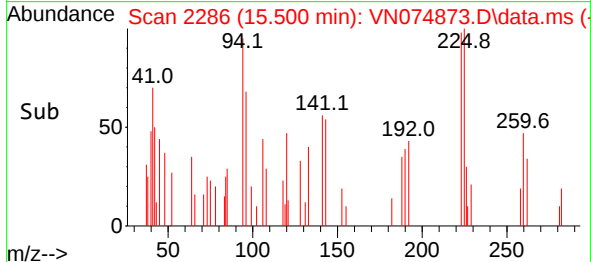
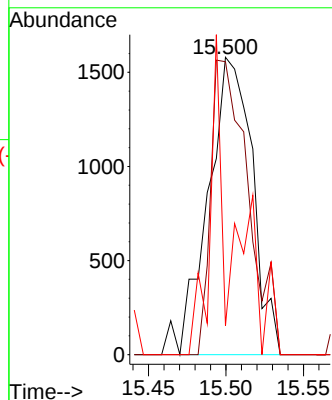
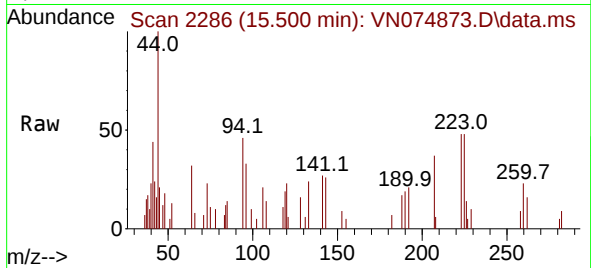




#90
Hexachlorobutadiene
Concen: 1.274 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

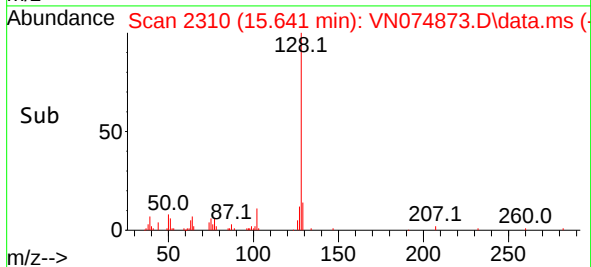
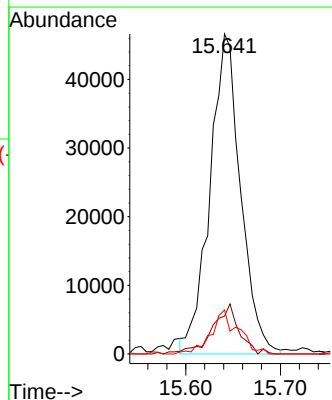
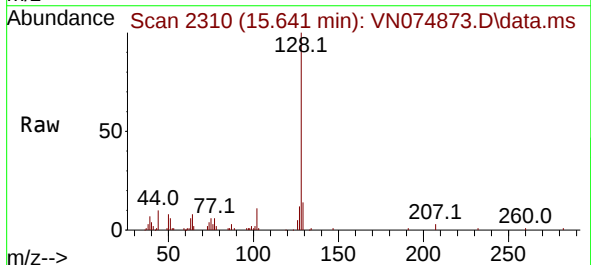
Instrument :
MSVOA_N
ClientSampleId :
IBLK

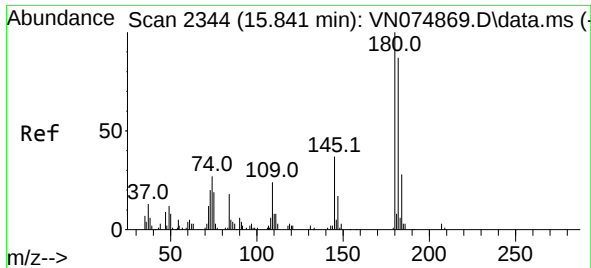
Tgt Ion:225 Resp: 3089
Ion Ratio Lower Upper
225 100
223 78.9 0.0 125.0
227 21.2 0.0 123.0



#91
Naphthalene
Concen: 5.326 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN074873.D
Acq: 12 Oct 2022 12:38

Tgt Ion:128 Resp: 105071
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 7.8 8.9 13.3#





#92
 1,2,3-Trichlorobenzene
 Concen: 4.113 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN074873.D
 Acq: 12 Oct 2022 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:	180	Resp:	21393
Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	185.4
145	31.9	0.0	68.6

