

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011122\
 Data File : VW021848.D
 Acq On : 11 Jan 2022 21:44
 Operator : SY/VA
 Sample : N1084-08
 Misc : 4.90g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 12 00:52:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jan 12 00:49:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	80232	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.640	117	42531	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.542	152	165465	25.000	ug/L	#-0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	37277	24.997	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 100.000%	
7) Chloroethane-d5	2.885	69	32727	24.303	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 97.200%	
11) 1,1-Dichloroethene-d2	4.019	63	30925	13.136	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 52.560%	
21) 2-Butanone-d5	7.171	46	267	1.269	ug/L	0.09
Spiked Amount	50.000	Range	20 - 135	Recovery	= 2.540%#	
24) Chloroform-d	7.653	84	56488	21.793	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 87.160%	
26) 1,2-Dichloroethane-d4	8.323	65	47537	37.979	ug/L	0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	= 151.920%#	
32) Benzene-d6	8.281	84	100313	36.349	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 145.400%#	
36) 1,2-Dichloropropane-d6	9.275	67	31874	43.820	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 175.280%#	
41) Toluene-d8	10.335	98	81175	29.179	ug/L	0.01
Spiked Amount	25.000	Range	30 - 130	Recovery	= 116.720%	
43) trans-1,3-Dichloroprop...	10.579	79	9472	30.670	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 122.680%	
47) 2-Hexanone-d5	10.927	63	14919	151.154	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 302.300%#	
56) 1,1,2,2-Tetrachloroeth...	12.713	84	55089	96.853	ug/L	0.02
Spiked Amount	25.000	Range	45 - 120	Recovery	= 387.400%#	
66) 1,2-Dichlorobenzene-d4	13.871	152	56177	8.257	ug/L	0.02
Spiked Amount	25.000	Range	75 - 120	Recovery	= 33.040%#	
Target Compounds						
5) Vinyl chloride	2.355	62	46550	28.256	ug/L	Qvalue 94
12) 1,1-Dichloroethene	4.038	96	1092	0.912	ug/L #	1
13) Acetone	4.147	43	119325	686.187	ug/L	97
14) Carbon disulfide	4.385	76	18547636	5915.640	ug/L	95
17) trans-1,2-Dichloroethene	5.422	96	1688	1.304	ug/L	80
19) 1,1-Dichloroethane	6.214	63	16464	8.675	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	835354	627.512	ug/L	68
22) 2-Butanone	7.183	43	69410	312.267	ug/L #	62
25) Chloroform	7.629	83	14219	6.332	ug/L #	24
27) 1,2-Dichloroethane	8.409	62	2331	1.793	ug/L #	39
29) Cyclohexane	7.958	56	338988	356.277	ug/L	96
34) Trichloroethene	9.092	95	1003242	1325.953	ug/L	88
35) Methylcyclohexane	9.342	83	726563	583.943	ug/L	87
37) 1,2-Dichloropropane	9.336	63	7497	13.196	ug/L #	1
38) Bromodichloromethane	9.622	83	7776	9.804	ug/L #	31
39) cis-1,3-Dichloropropene	10.031	75	822	0.931	ug/L #	16
40) 4-Methyl-2-pentanone	10.220	43	1582844	5930.710	ug/L #	86
45) 1,1,2-Trichloroethane	10.768	97	72773	150.865	ug/L #	22
46) Tetrachloroethene	10.866	164	104243	139.326	ug/L	93

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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

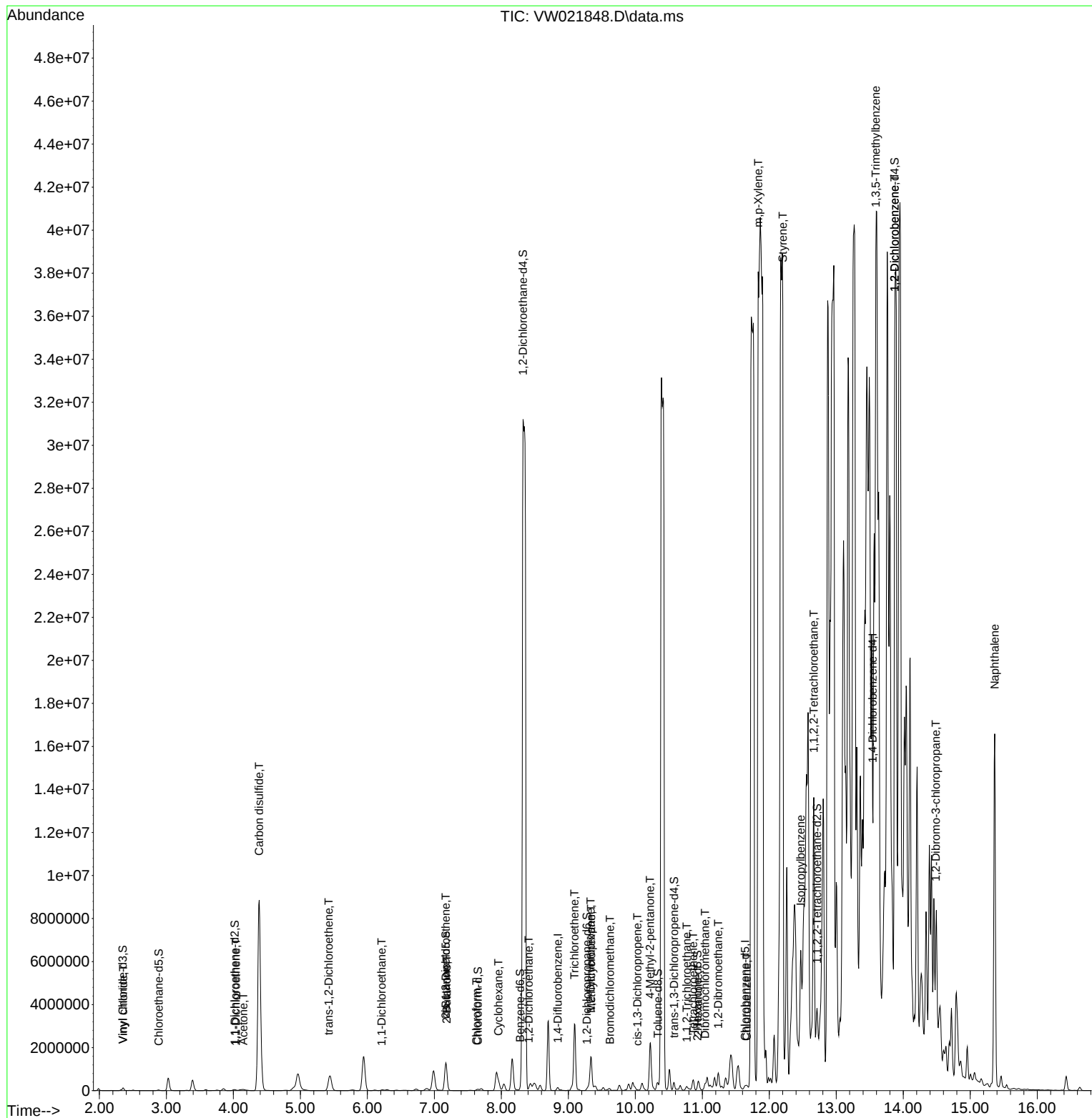
48) 2-Hexanone	10.939	43	186728	1022.560	ug/L #	27
49) Dibromochloromethane	11.043	129	648	1.066	ug/L	73
50) 1,2-Dibromoethane	11.238	107	464	0.969	ug/L #	1
51) Chlorobenzene	11.664	112	86603	41.934	ug/L #	88
53) m,p-Xylene	11.835	106	7673315	5647.518	ug/L #	41
55) Styrene	12.201	104	1523341	731.506	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.664	83	128410	247.417	ug/L #	10
60) Isopropylbenzene	12.469	105	2394542	106.271	ug/L	96
62) 1,3,5-Trimethylbenzene	13.591	105	18184136	974.562	ug/L	88
67) 1,2-Dichlorobenzene	13.871	146	31625	3.188	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.487	75	120363	263.583	ug/L #	12
71) Naphthalene	15.365	128	13161564	1271.733	ug/L	97

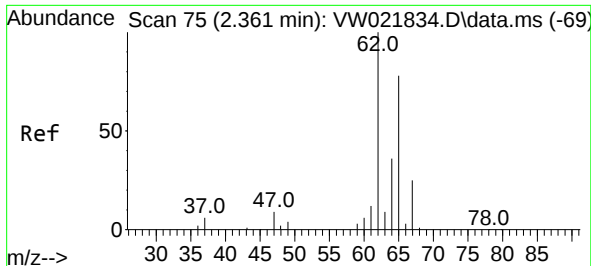
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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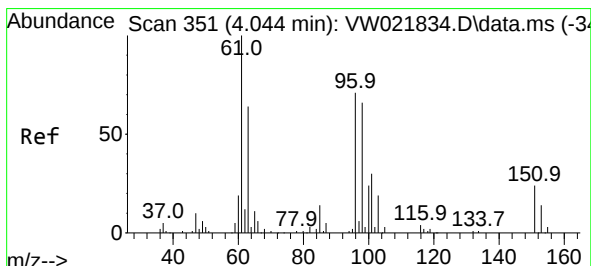
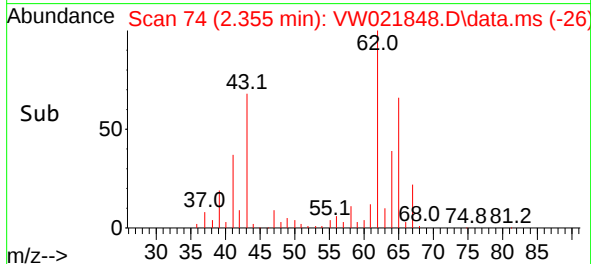
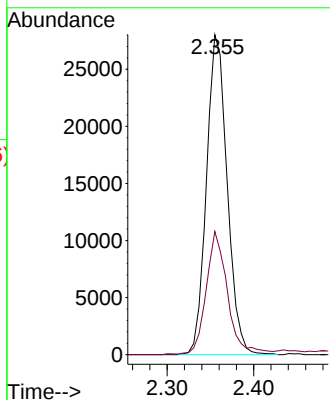
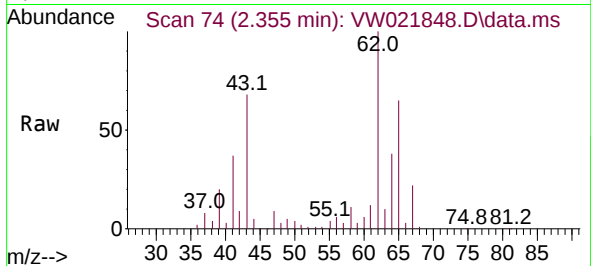




#5
 Vinyl chloride
 Concen: 28.256 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW021848.D
 Acq: 11 Jan 2022 21:44

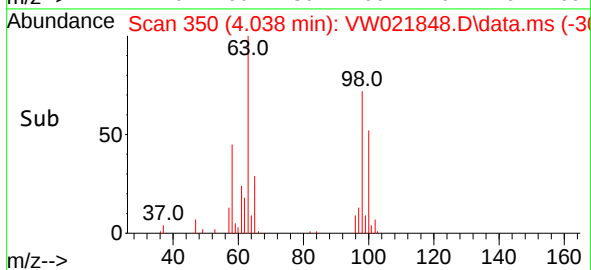
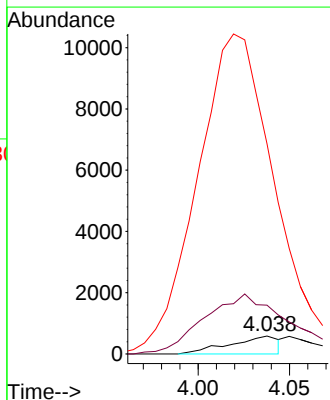
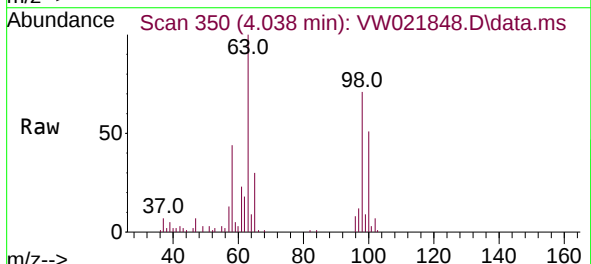
Instrument :
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 ClientSampleId :

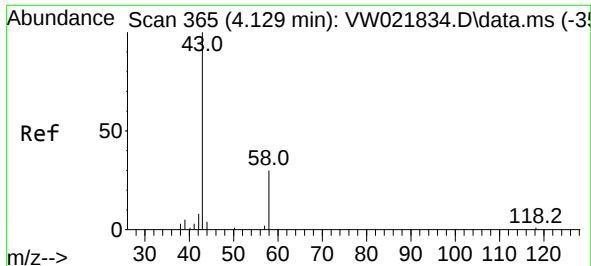
Tgt Ion: 62 Resp: 46550
 Ion Ratio Lower Upper
 62 100
 64 38.5 24.4 45.2



#12
 1,1-Dichloroethene
 Concen: 0.912 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. -0.006 min
 Lab File: VW021848.D
 Acq: 11 Jan 2022 21:44

Tgt Ion: 96 Resp: 1092
 Ion Ratio Lower Upper
 96 100
 61 273.6 138.3 256.9#
 63 1177.4 82.6 153.4#

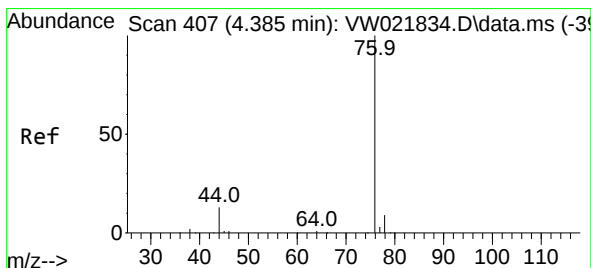
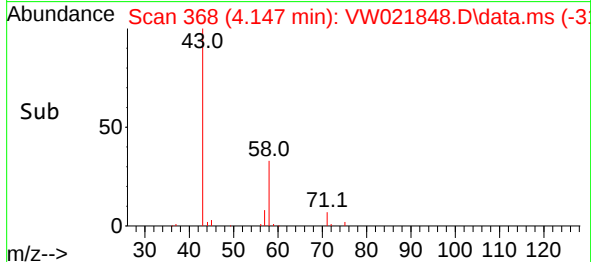
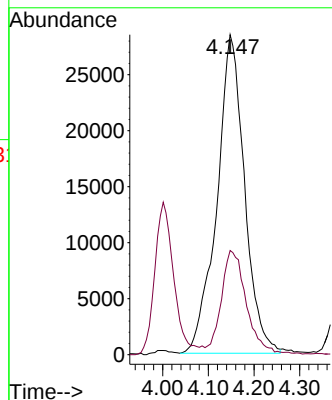
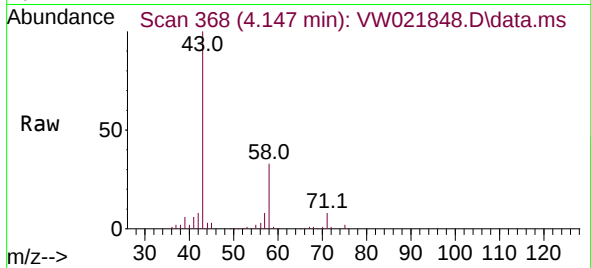




#13
Acetone
Concen: 686.187 ug/L
RT: 4.147 min Scan# 368
Delta R.T. 0.018 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

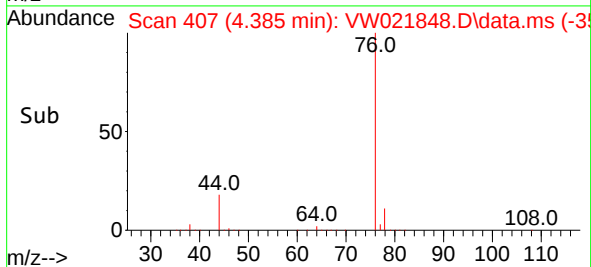
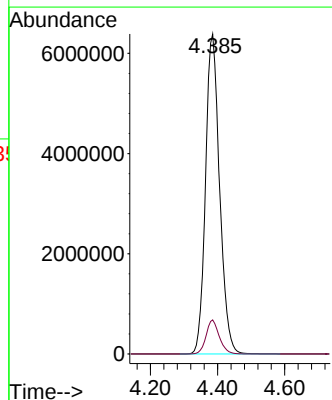
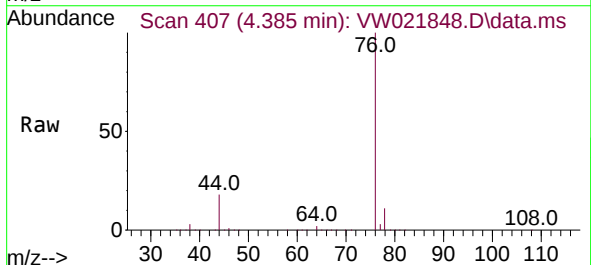
Instrument :
MSVOA_W
ClientSampleId :

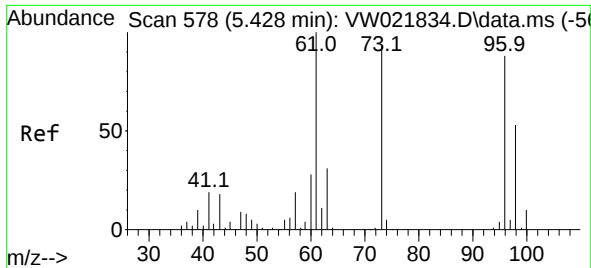
Tgt Ion: 43 Resp: 119325
Ion Ratio Lower Upper
43 100
58 28.0 0.0 52.8



#14
Carbon disulfide
Concen: 5915.640 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

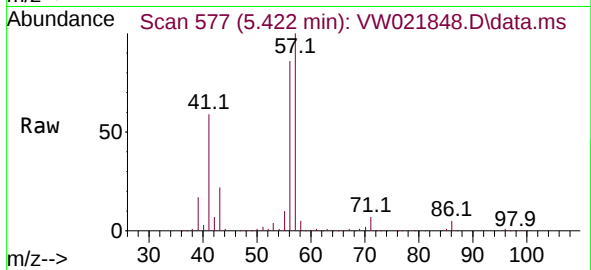
Tgt Ion: 76 Resp:18547636
Ion Ratio Lower Upper
76 100
78 10.7 7.1 10.7





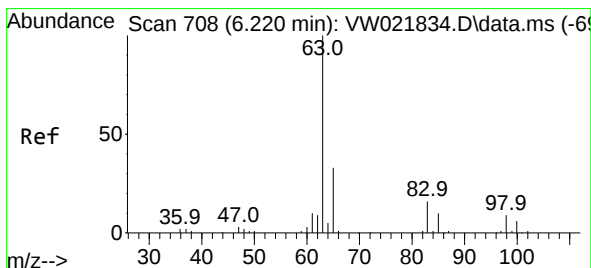
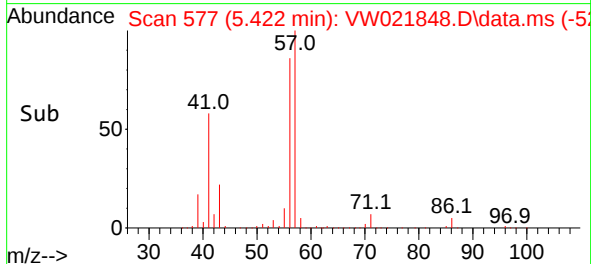
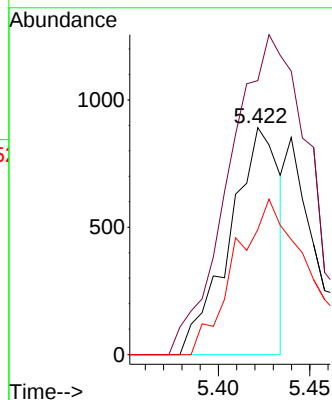
#17
trans-1,2-Dichloroethene
Concen: 1.304 ug/L
RT: 5.422 min Scan# 517
Delta R.T. -0.006 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 96 Resp: 1688

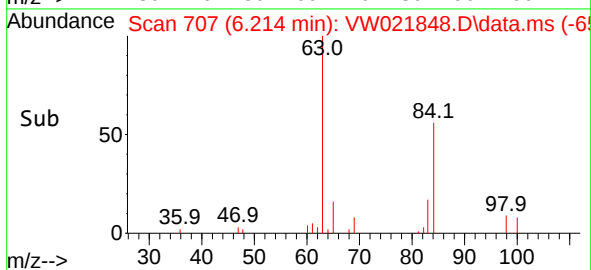
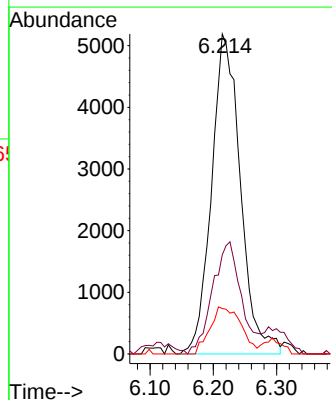
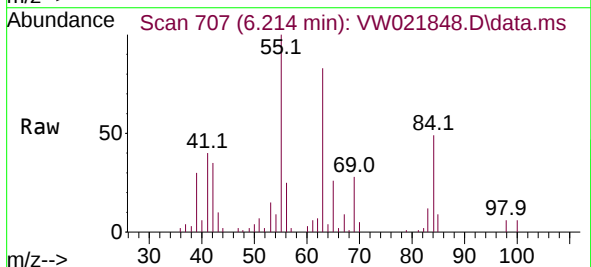
Ion	Ratio	Lower	Upper
96	100		
61	120.8	107.4	199.4
98	55.1	41.2	76.6

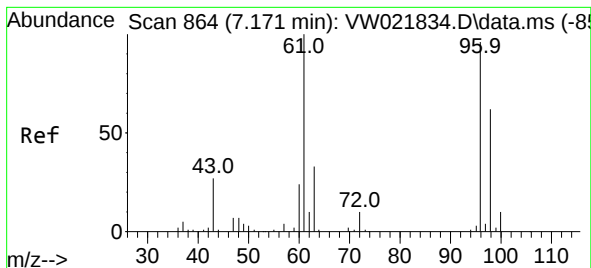


#19
1,1-Dichloroethane
Concen: 8.675 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.006 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

Tgt Ion: 63 Resp: 16464

Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.1	41.1
83	14.2	9.2	17.2





#20

cis-1,2-Dichloroethene

Concen: 627.512 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW021848.D

Acq: 11 Jan 2022 21:44

Instrument :

MSVOA_W

ClientSampleId :

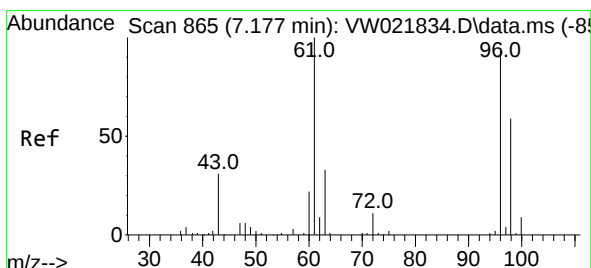
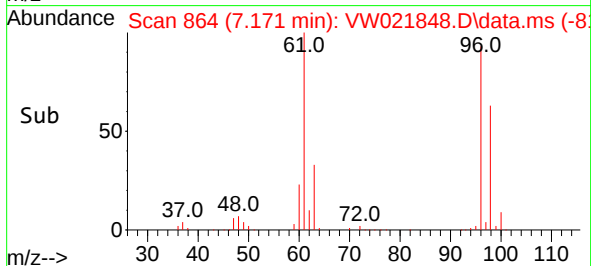
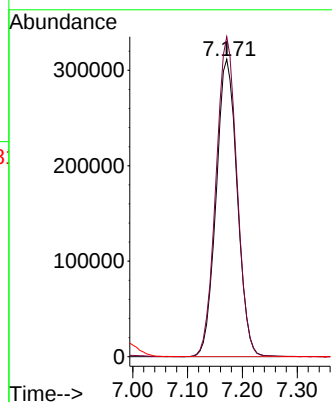
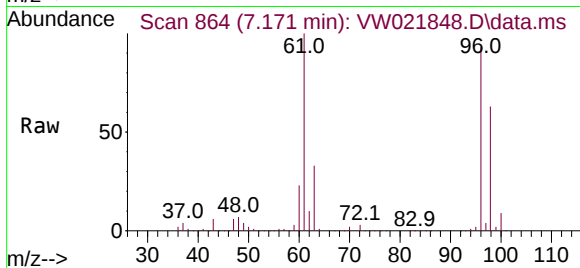
Tgt Ion: 96 Resp: 835354

Ion Ratio Lower Upper

96 100

61 107.6 103.7 192.7

68 0.0 0.0 0.0



#22

2-Butanone

Concen: 312.267 ug/L

RT: 7.183 min Scan# 866

Delta R.T. 0.006 min

Lab File: VW021848.D

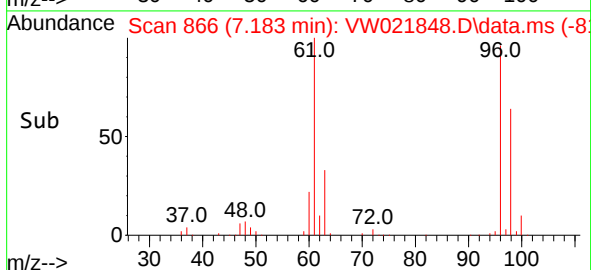
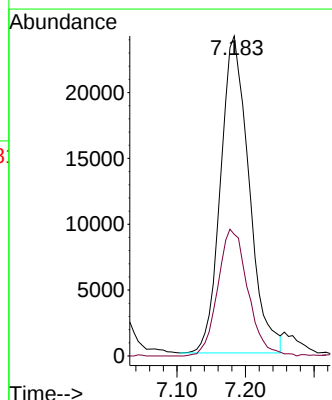
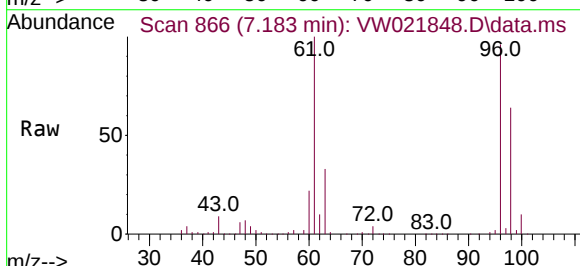
Acq: 11 Jan 2022 21:44

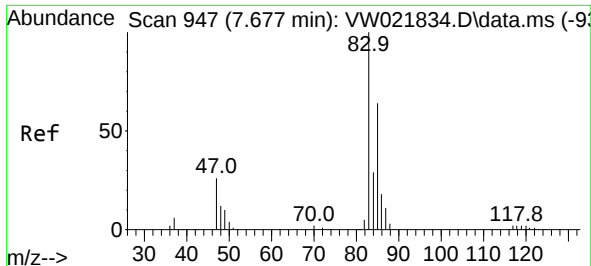
Tgt Ion: 43 Resp: 69410

Ion Ratio Lower Upper

43 100

72 42.0 11.8 35.4#





#25

Chloroform

Concen: 6.332 ug/L

RT: 7.629 min Scan# 91

Delta R.T. -0.049 min

Lab File: VW021848.D

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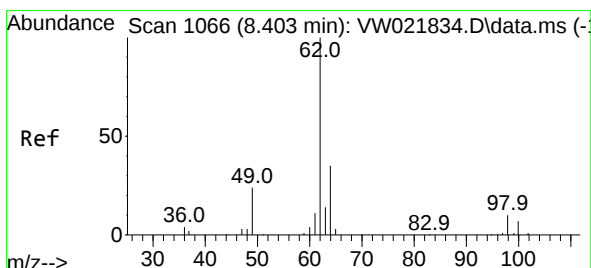
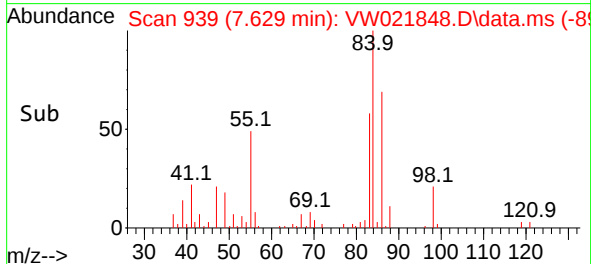
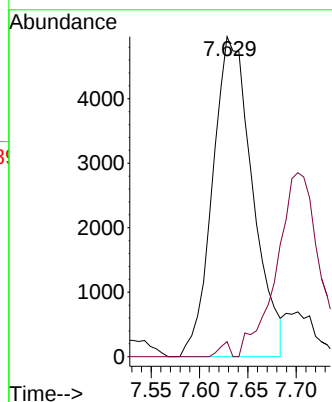
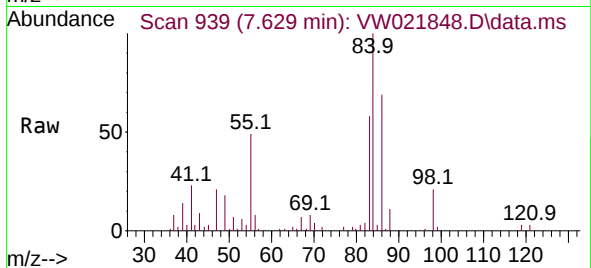
ClientSampleId :

Tgt Ion: 83 Resp: 14219

Ion Ratio Lower Upper

83 100

85 4.7 45.1 83.7#



#27

1,2-Dichloroethane

Concen: 1.793 ug/L

RT: 8.409 min Scan# 1067

Delta R.T. 0.006 min

Lab File: VW021848.D

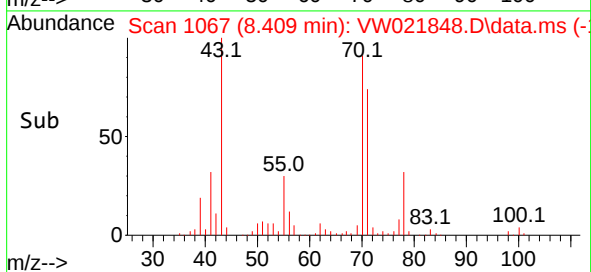
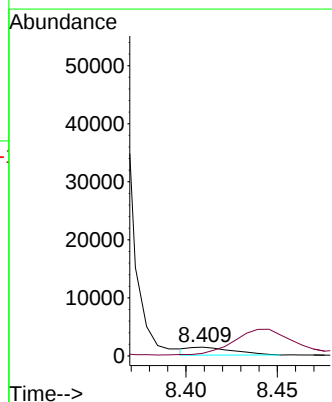
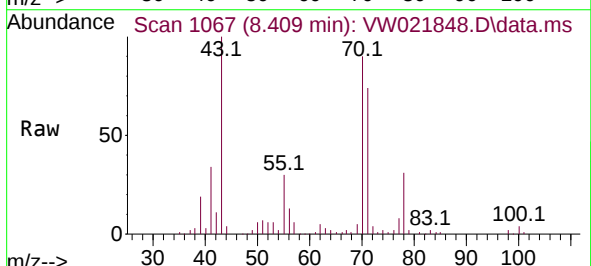
Acq: 11 Jan 2022 21:44

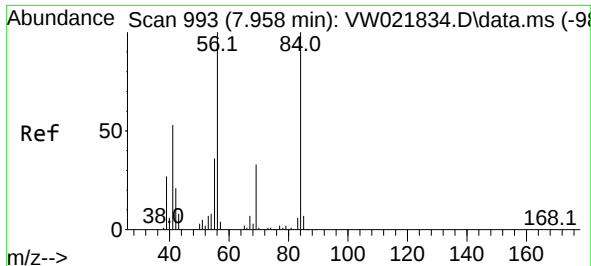
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Ion Ratio Lower Upper

62 100

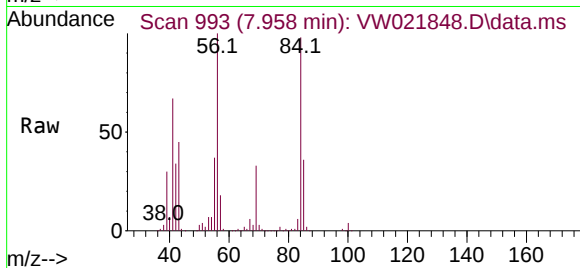
98 29.7 6.5 9.7#



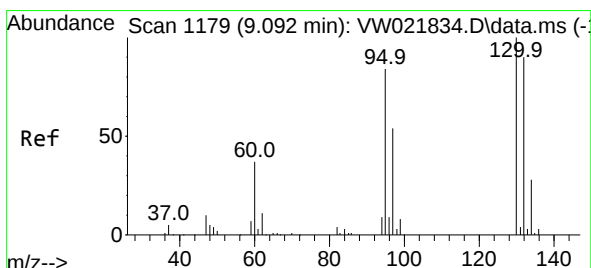
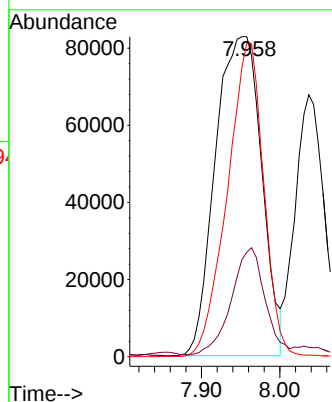
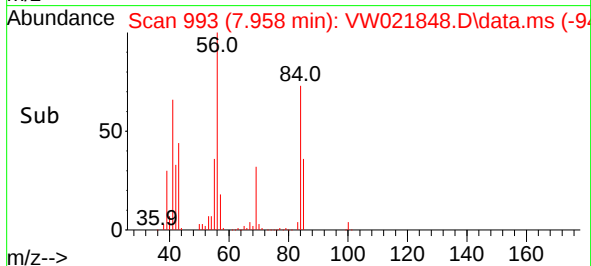


#29
Cyclohexane
Concen: 356.277 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
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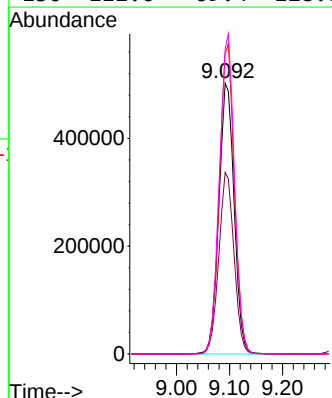
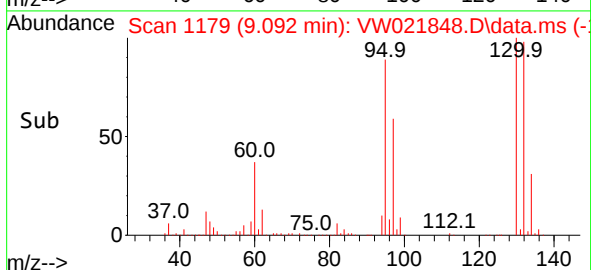
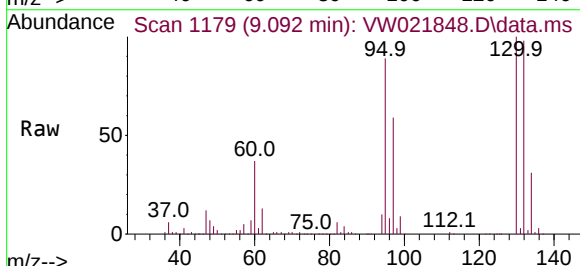


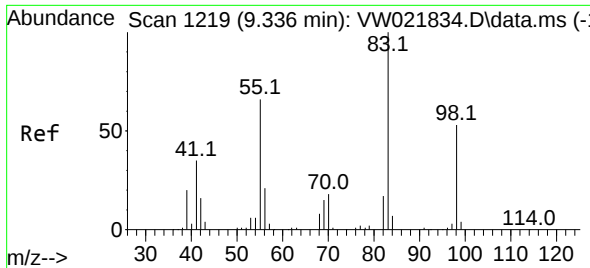
Tgt Ion: 56 Resp: 338988
Ion Ratio Lower Upper
56 100
69 24.4 23.5 35.3
84 77.6 63.4 95.2



#34
Trichloroethene
Concen: 1325.953 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

Tgt Ion: 95 Resp: 1003242
Ion Ratio Lower Upper
95 100
97 67.0 47.0 87.2
132 110.9 65.5 121.6
130 112.6 69.4 128.8

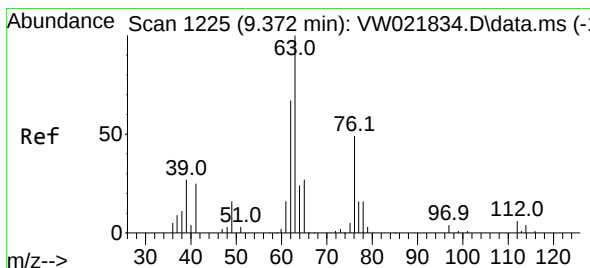
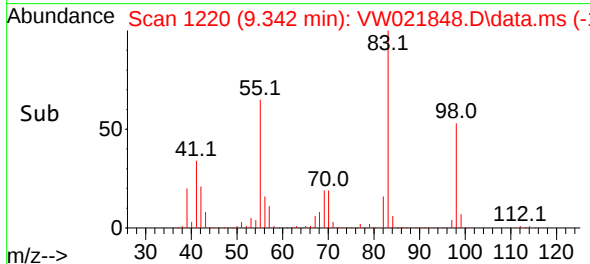
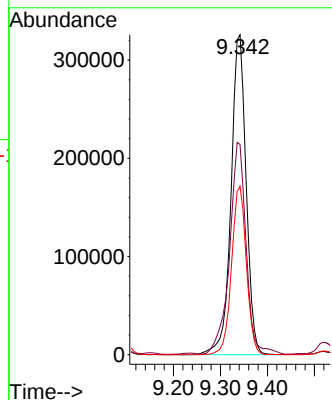
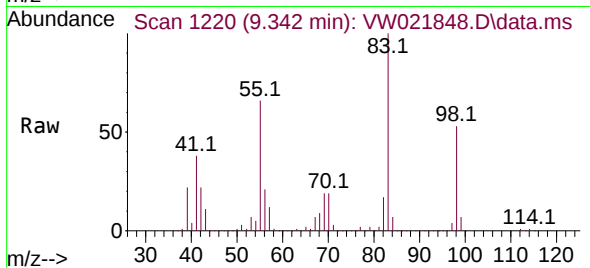




#35
Methylcyclohexane
Concen: 583.943 ug/L
RT: 9.342 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

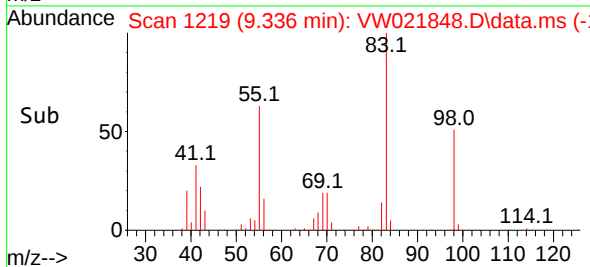
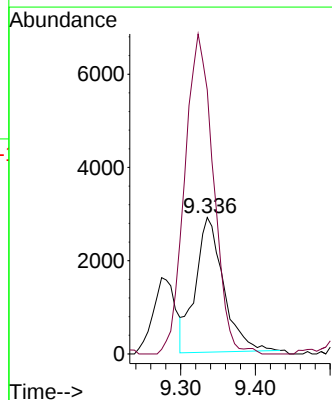
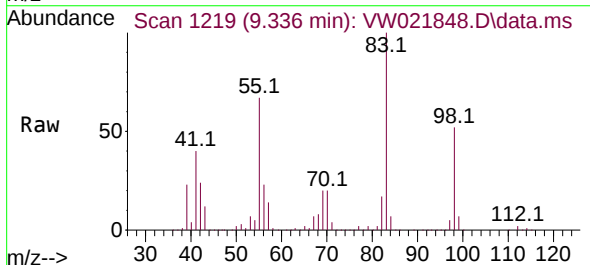
Instrument :
MSVOA_W
ClientSampleId :

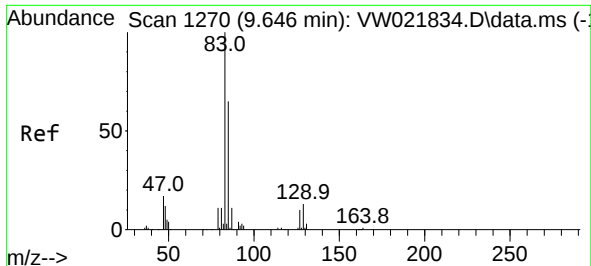
Tgt Ion: 83 Resp: 726563
Ion Ratio Lower Upper
83 100
55 72.9 70.8 106.2
98 51.5 37.7 56.5



#37
1,2-Dichloropropane
Concen: 13.196 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. -0.037 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

Tgt Ion: 63 Resp: 7497
Ion Ratio Lower Upper
63 100
112 242.1 3.2 4.8#

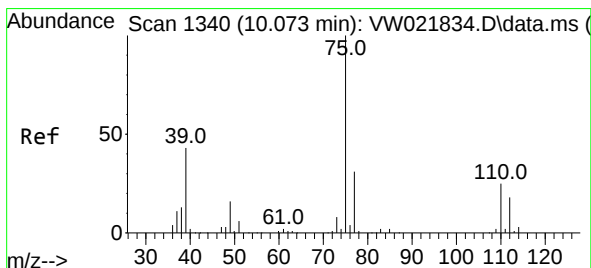
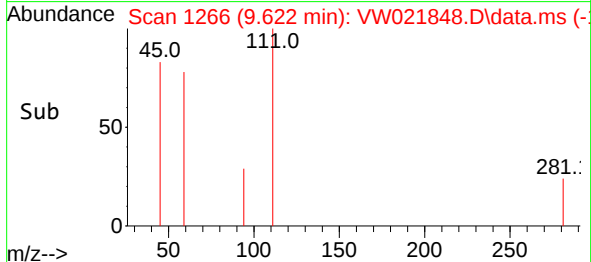
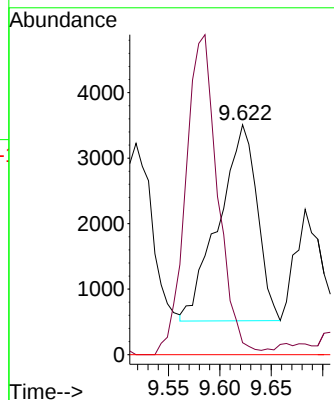
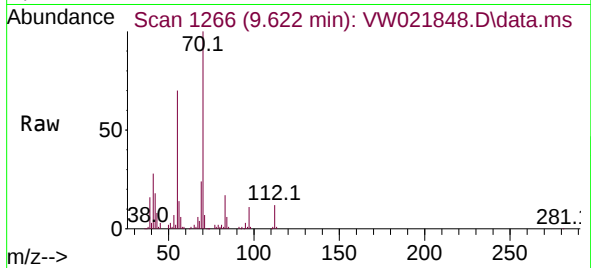




#38
Bromodichloromethane
Concen: 9.804 ug/L
RT: 9.622 min Scan# 11
Delta R.T. -0.024 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

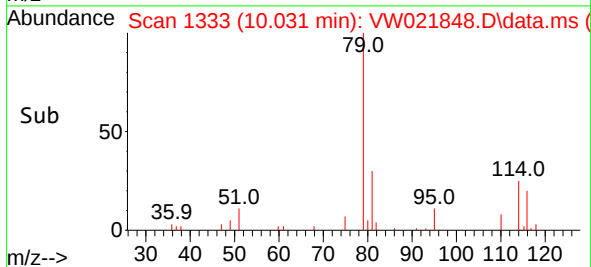
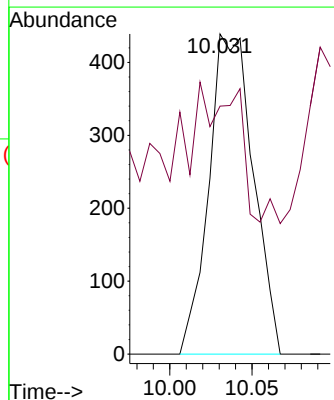
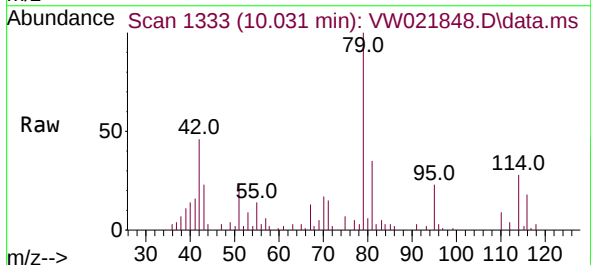
Instrument :
MSVOA_W
ClientSampleId :

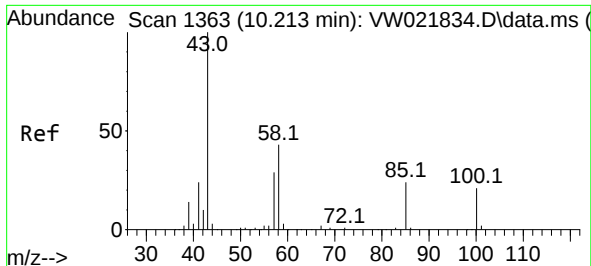
Tgt Ion: 83 Resp: 7776
Ion Ratio Lower Upper
83 100
85 5.2 44.1 81.9#
127 0.0 6.1 9.1#



#39
cis-1,3-Dichloropropene
Concen: 0.931 ug/L
RT: 10.031 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

Tgt Ion: 75 Resp: 822
Ion Ratio Lower Upper
75 100
77 77.4 21.8 40.6#

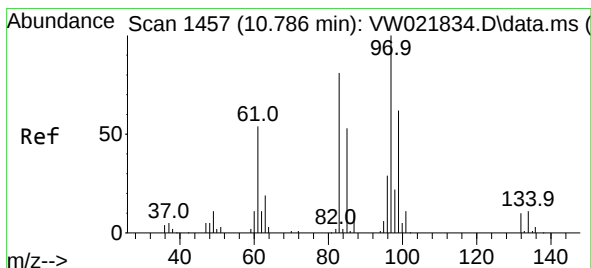
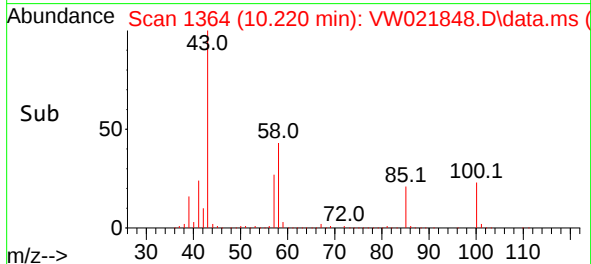
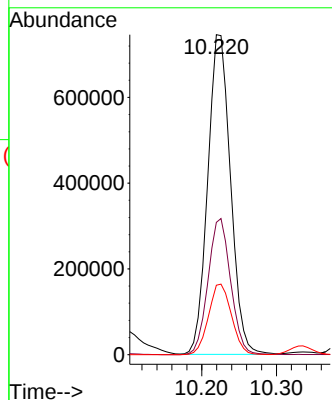
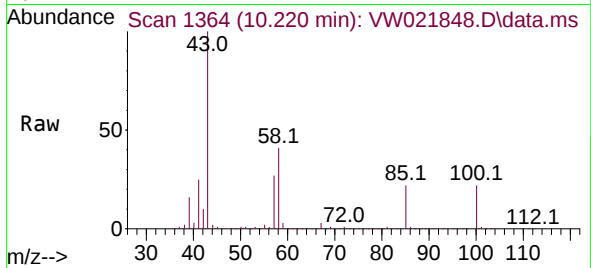




#40
4-Methyl-2-pentanone
Concen: 5930.710 ug/L
RT: 10.220 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

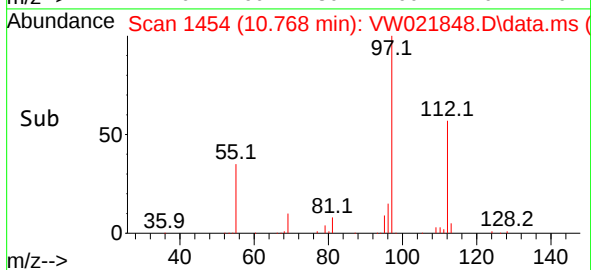
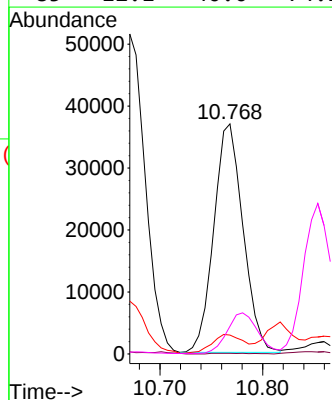
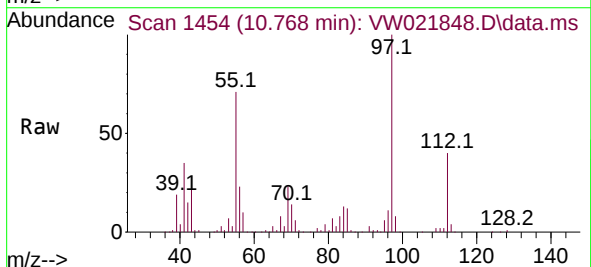
Instrument :
MSVOA_W
ClientSampleId :

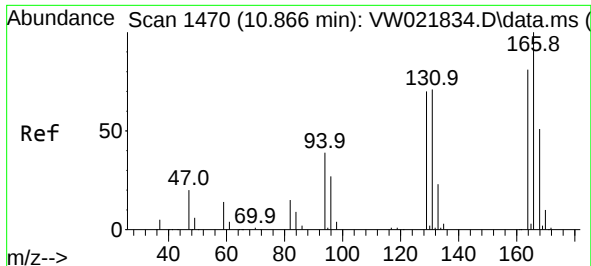
Tgt Ion: 43 Resp: 1582844
Ion Ratio Lower Upper
43 100
58 42.2 28.8 43.2
100 22.2 10.0 15.0#



#45
1,1,2-Trichloroethane
Concen: 150.865 ug/L
RT: 10.768 min Scan# 1454
Delta R.T. -0.018 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

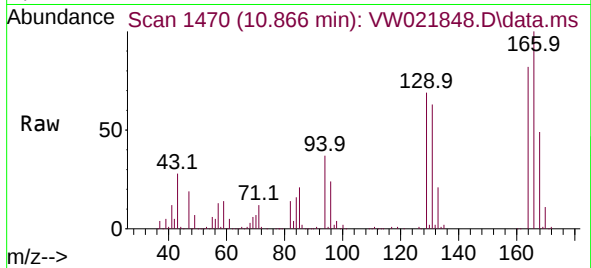
Tgt Ion: 97 Resp: 72773
Ion Ratio Lower Upper
97 100
99 0.3 43.0 79.8#
83 8.2 62.6 116.3#
85 12.1 40.0 74.2#



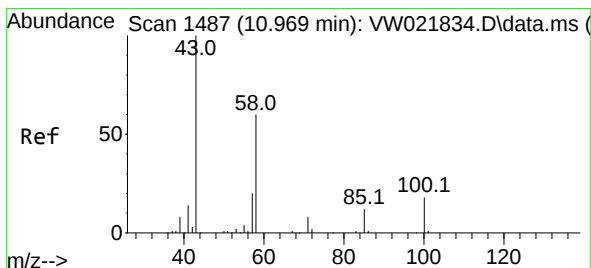
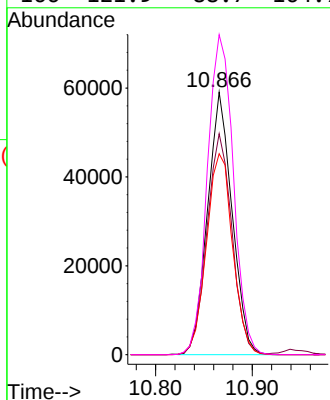
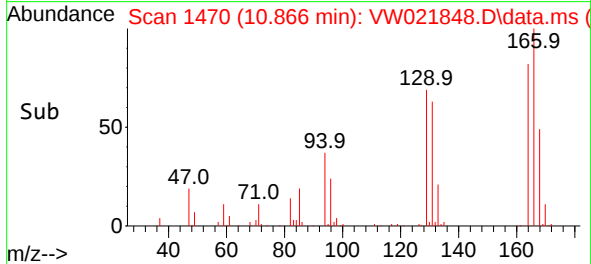


#46
Tetrachloroethene
Concen: 139.326 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

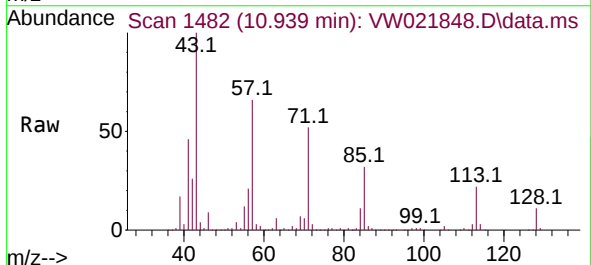
Instrument :
MSVOA_W
ClientSampleId :



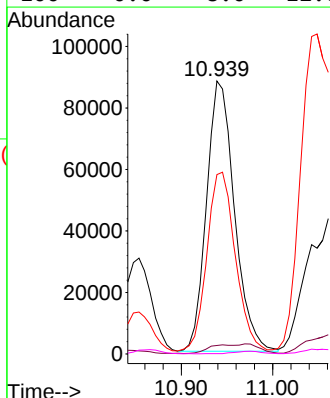
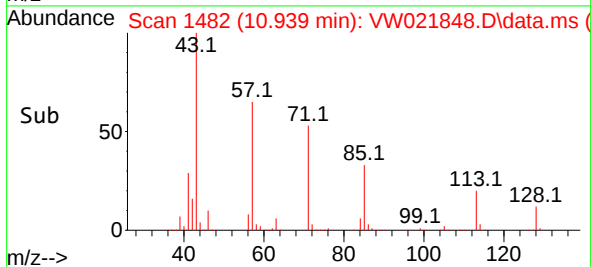
Tgt Ion:164 Resp: 104243
Ion Ratio Lower Upper
164 100
129 84.1 65.5 121.7
131 76.5 59.7 110.9
166 121.9 88.7 164.7

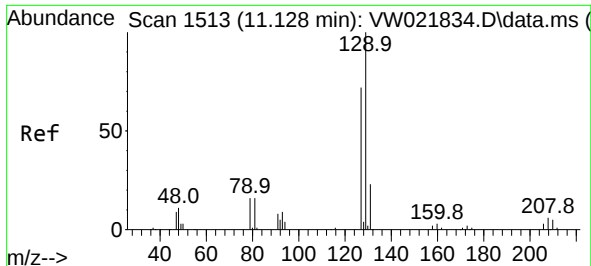


#48
2-Hexanone
Concen: 1022.560 ug/L
RT: 10.939 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44



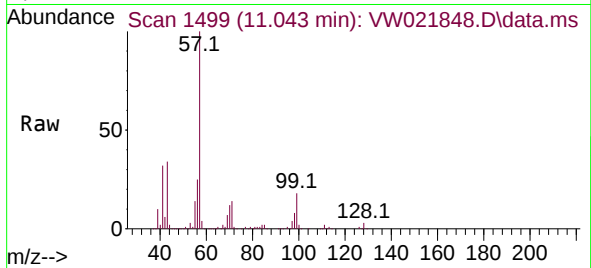
Tgt Ion: 43 Resp: 186728
Ion Ratio Lower Upper
43 100
58 2.5 40.2 60.2#
57 66.8 14.3 21.5#
100 0.0 8.0 12.0#



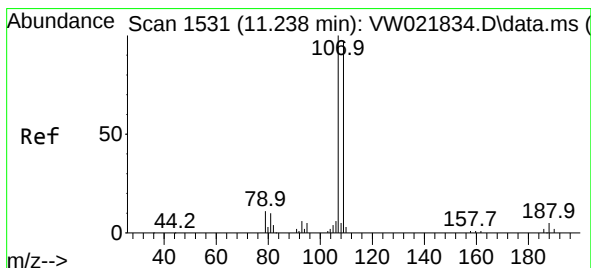
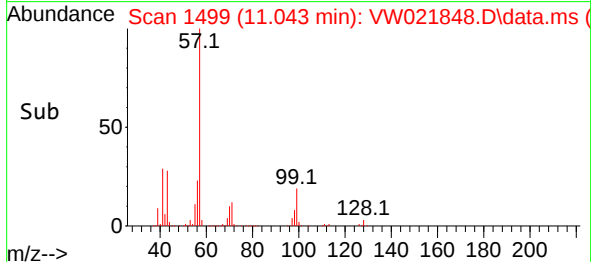
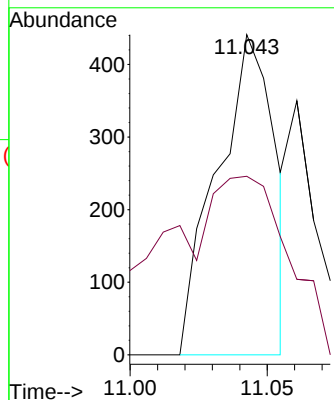


#49
Dibromochloromethane
Concen: 1.066 ug/L
RT: 11.043 min Scan# 1499
Delta R.T. -0.085 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

Instrument :
MSVOA_W
ClientSampleId :

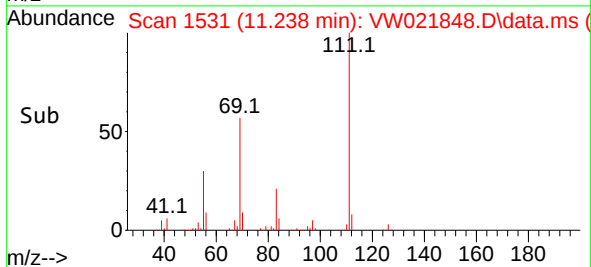
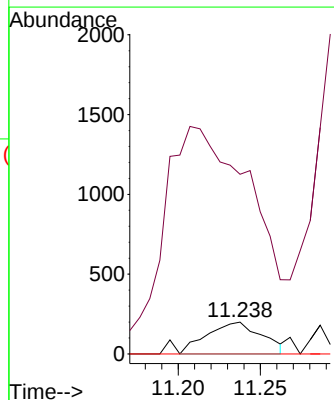
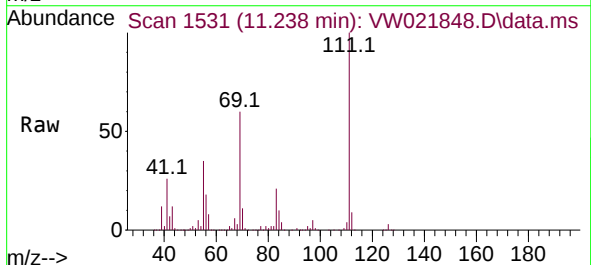


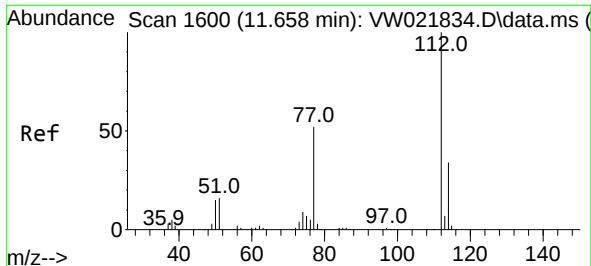
Tgt Ion:129 Resp: 648
Ion Ratio Lower Upper
129 100
127 55.8 55.7 103.5



#50
1,2-Dibromoethane
Concen: 0.969 ug/L
RT: 11.238 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

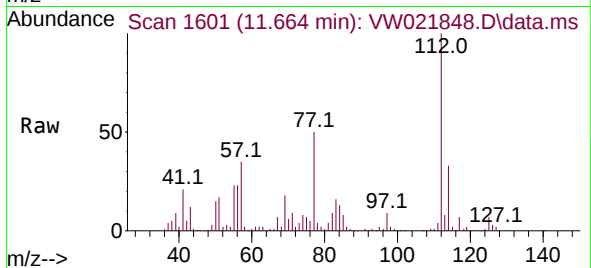
Tgt Ion:107 Resp: 464
Ion Ratio Lower Upper
107 100
109 563.0 64.1 119.1#
188 0.0 2.6 3.8#



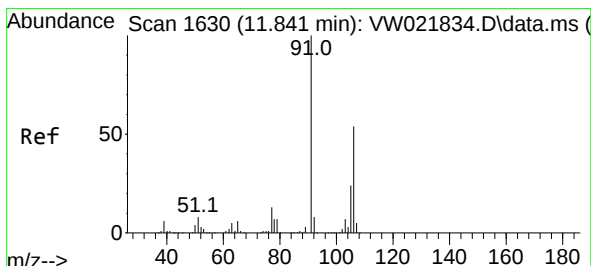
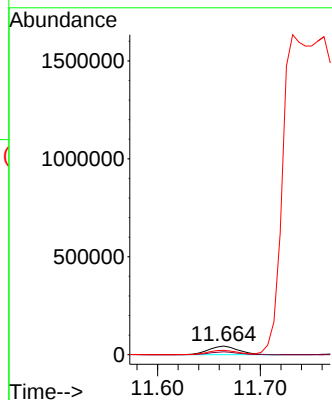
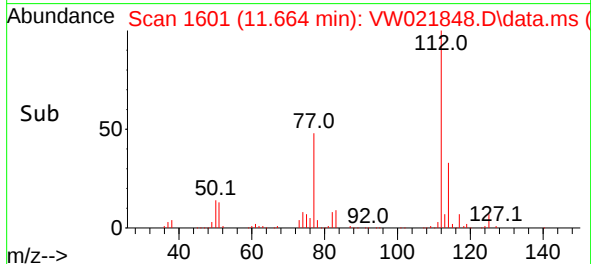


#51
Chlorobenzene
Concen: 41.934 ug/L
RT: 11.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

Instrument :
MSVOA_W
ClientSampleId :

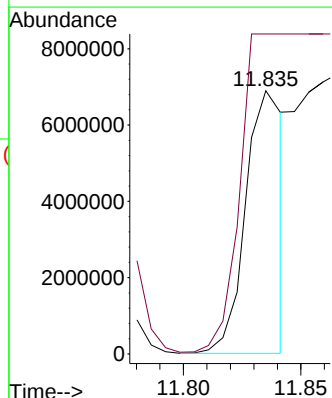
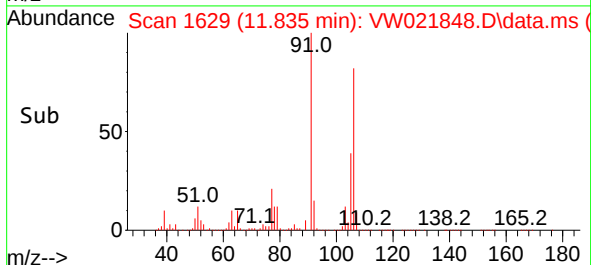
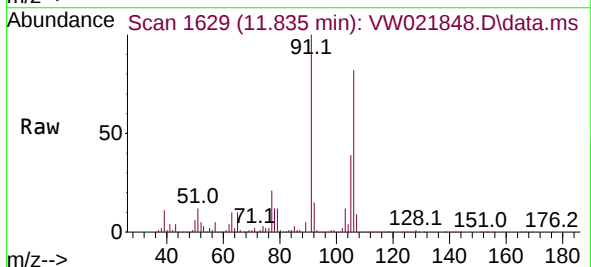


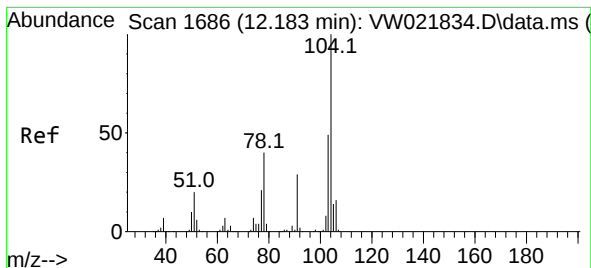
Tgt Ion:112 Resp: 86603
Ion Ratio Lower Upper
112 100
114 33.3 22.4 41.6
77 49.9 50.2 75.4#



#53
m,p-Xylene
Concen: 5647.518 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

Tgt Ion:106 Resp: 7673315
Ion Ratio Lower Upper
106 100
91 121.6 149.9 278.3#





#55

Styrene

Concen: 731.506 ug/L

RT: 12.201 min Scan# 1

Delta R.T. 0.018 min

Lab File: VW021848.D

Acq: 11 Jan 2022 21:44

Instrument :

MSVOA_W

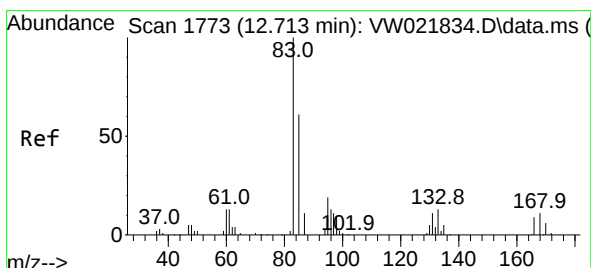
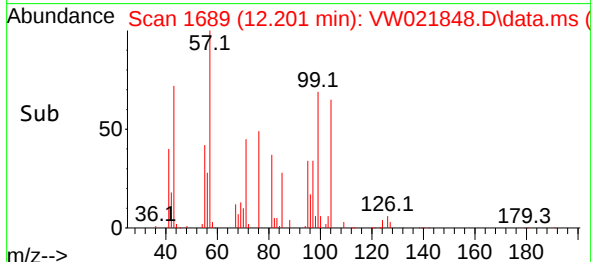
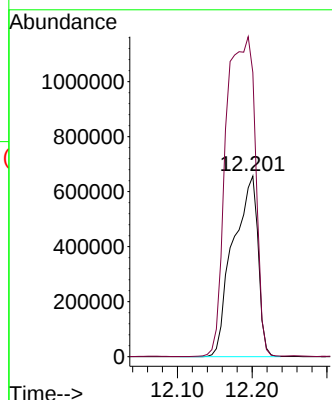
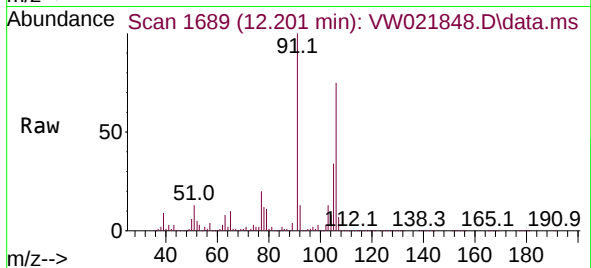
ClientSampleId :

Tgt Ion:104 Resp: 1523341

Ion Ratio Lower Upper

104 100

78 157.3 34.4 64.0#



#57

1,1,2,2-Tetrachloroethane

Concen: 247.417 ug/L

RT: 12.664 min Scan# 1765

Delta R.T. -0.049 min

Lab File: VW021848.D

Acq: 11 Jan 2022 21:44

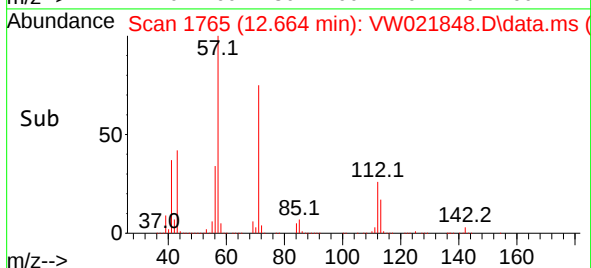
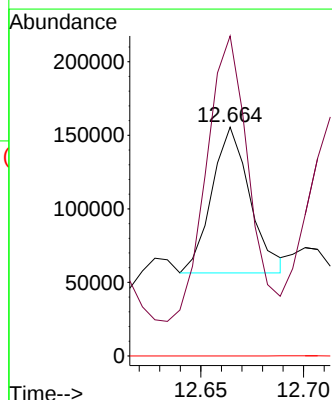
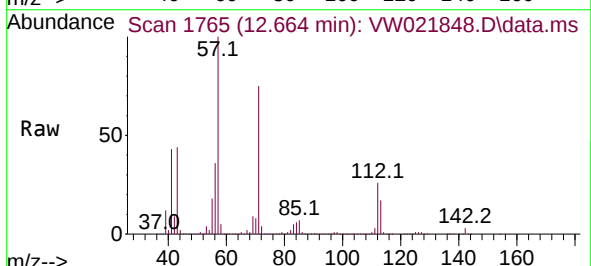
Tgt Ion: 83 Resp: 128410

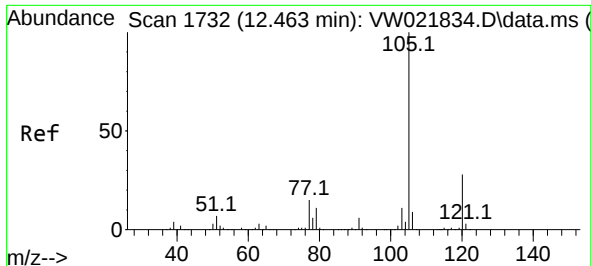
Ion Ratio Lower Upper

83 100

85 139.8 44.0 81.6#

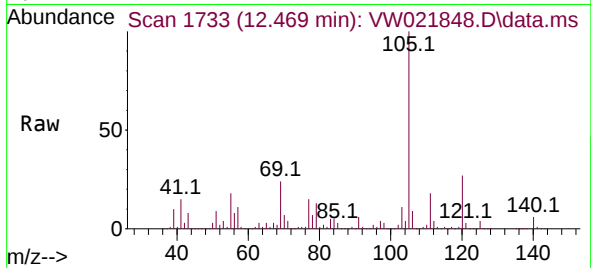
131 0.0 6.9 10.3#



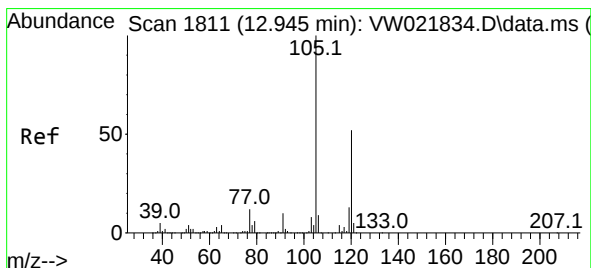
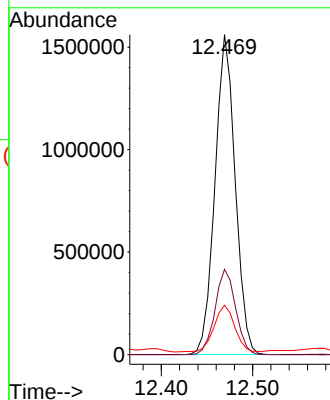
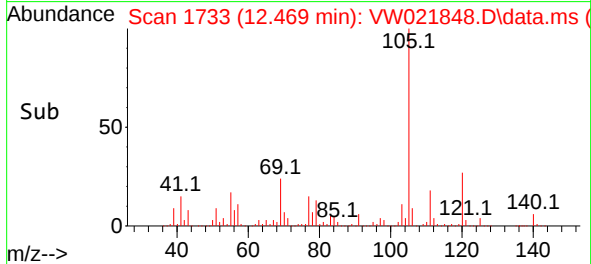


#60
Isopropylbenzene
Concen: 106.271 ug/L
RT: 12.469 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

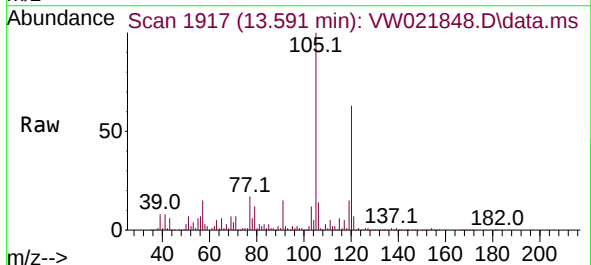
Instrument :
MSVOA_W
ClientSampleId :



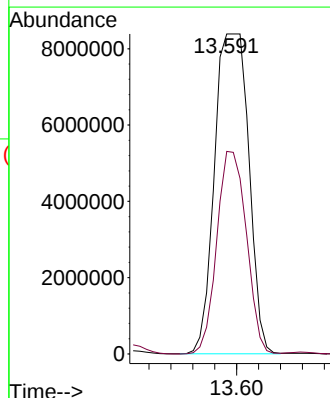
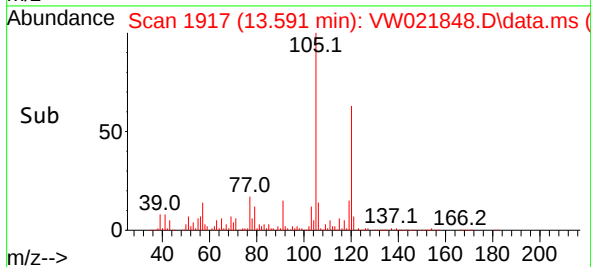
Tgt Ion:105 Resp: 2394542
Ion Ratio Lower Upper
105 100
120 27.2 20.1 30.1
77 15.9 13.8 20.8

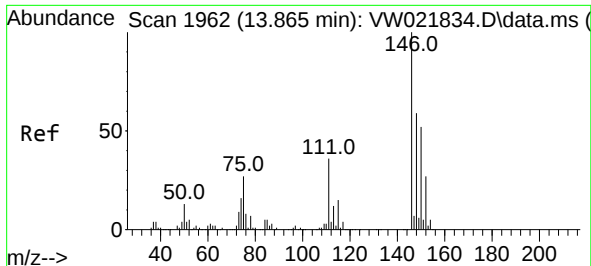


#62
1,3,5-Trimethylbenzene
Concen: 974.562 ug/L
RT: 13.591 min Scan# 1917
Delta R.T. 0.646 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44



Tgt Ion:105 Resp:18184136
Ion Ratio Lower Upper
105 100
120 54.6 37.4 56.2





#67

1,2-Dichlorobenzene

Concen: 3.188 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VW021848.D

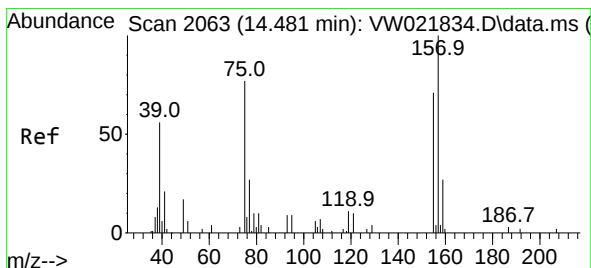
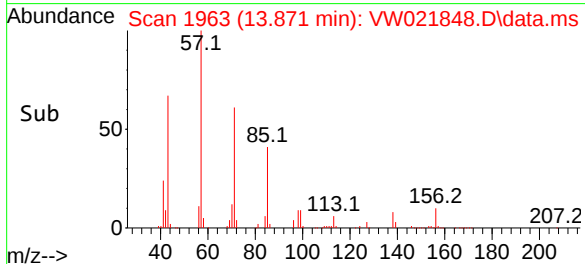
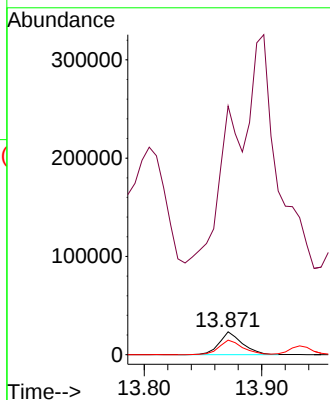
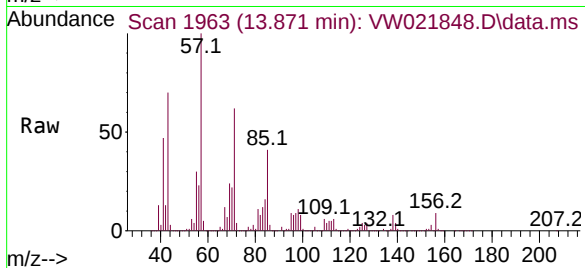
Acq: 11 Jan 2022 21:44

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146 Resp: 31625
 Ion Ratio Lower Upper
 146 100
 111 1082.3 33.1 49.7#
 148 63.2 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 263.583 ug/L

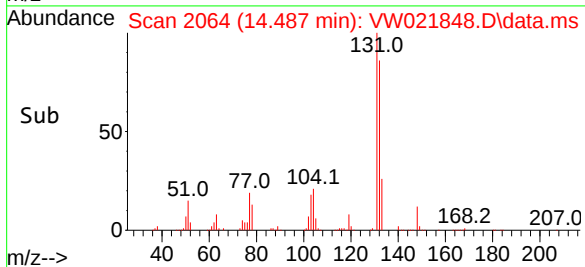
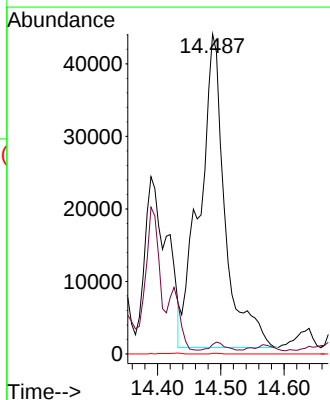
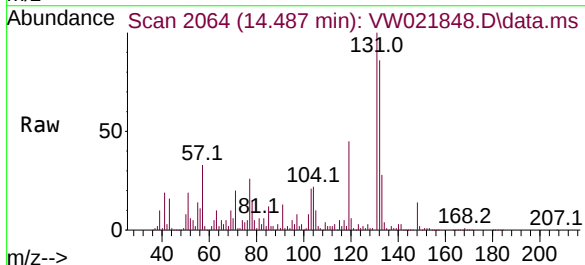
RT: 14.487 min Scan# 2064

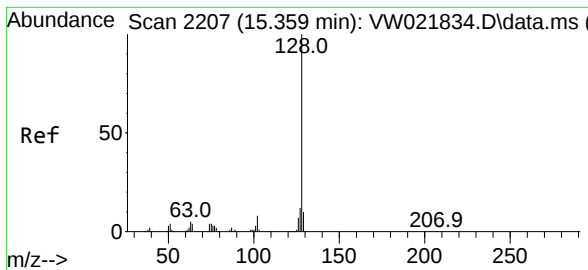
Delta R.T. 0.006 min

Lab File: VW021848.D

Acq: 11 Jan 2022 21:44

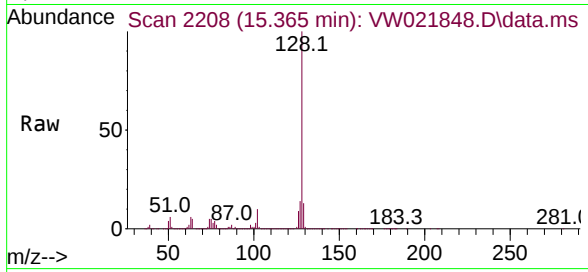
Tgt Ion: 75 Resp: 120363
 Ion Ratio Lower Upper
 75 100
 155 2.9 54.2 81.2#
 157 0.2 69.4 104.2#





#71
Naphthalene
Concen: 1271.733 ug/L
RT: 15.365 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW021848.D
Acq: 11 Jan 2022 21:44

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp:13161564

Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.7	16.1
129	12.4	8.6	12.8

