

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
 Data File : VW021252.D
 Acq On : 09 Dec 2021 19:47
 Operator : SY/VA
 Sample : M4883-07RE
 Misc : 4.07g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 10 00:32:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 10 00:28:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	9098	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	3996	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	875	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	4950	29.874	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 119.480%	
7) Chloroethane-d5	2.885	69	4974	45.408	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 181.640%#	
11) 1,1-Dichloroethene-d2	4.019	63	5003	22.648	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 90.600%	
21) 2-Butanone-d5	7.086	46	2039	87.298	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 174.600%#	
24) Chloroform-d	7.653	84	7753	30.579	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 122.320%	
26) 1,2-Dichloroethane-d4	8.305	65	4292	31.824	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 127.280%	
32) Benzene-d6	8.281	84	13449	61.401	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 245.600%#	
36) 1,2-Dichloropropane-d6	9.274	67	4251	72.367	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 289.480%#	
41) Toluene-d8	10.329	98	8273	36.967	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 147.880%#	
43) trans-1,3-Dichloroprop...	10.579	79	613	22.664	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 90.640%	
47) 2-Hexanone-d5	10.927	63	933	107.409	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 214.820%#	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	1918	37.982	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 151.920%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	742	21.881	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 87.520%	
Target Compounds						
					Qvalue	
13) Acetone	4.141	43	161	7.689	ug/L	# 49
16) Methylene chloride	4.909	84	975	6.486	ug/L	# 63
22) 2-Butanone	7.135	43	106	3.876	ug/L	# 52
27) 1,2-Dichloroethane	8.409	62	257	1.825	ug/L	# 77
33) Benzene	8.323	78	265	1.217	ug/L	100
34) Trichloroethene	9.091	95	27487	449.819	ug/L	93
35) Methylcyclohexane	9.335	83	212	2.103	ug/L	# 83
37) 1,2-Dichloropropane	9.274	63	598	12.316	ug/L	# 88
42) Toluene	10.390	91	2030	7.974	ug/L	86
46) Tetrachloroethene	10.866	164	218	3.755	ug/L	80
48) 2-Hexanone	10.920	43	83	4.326	ug/L	# 41
49) Dibromochloromethane	10.866	129	209	4.266	ug/L	# 10
52) Ethylbenzene	11.731	91	345	1.186	ug/L	87
53) m,p-Xylene	11.829	106	210	1.789	ug/L	93
54) o-Xylene	12.158	106	255	2.289	ug/L	89
60) Isopropylbenzene	12.463	105	260	2.187	ug/L	# 54
61) 1,2,3-Trichloropropane	13.554	75	120	9.423	ug/L	# 40
62) 1,3,5-Trimethylbenzene	12.944	105	191	1.888	ug/L	# 30
63) 1,2,4-Trimethylbenzene	13.255	105	368	3.687	ug/L	# 71

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 Quant Title : SFAM01.0
 QLast Update : Fri Dec 10 00:28:10 2021
 Response via : Initial Calibration

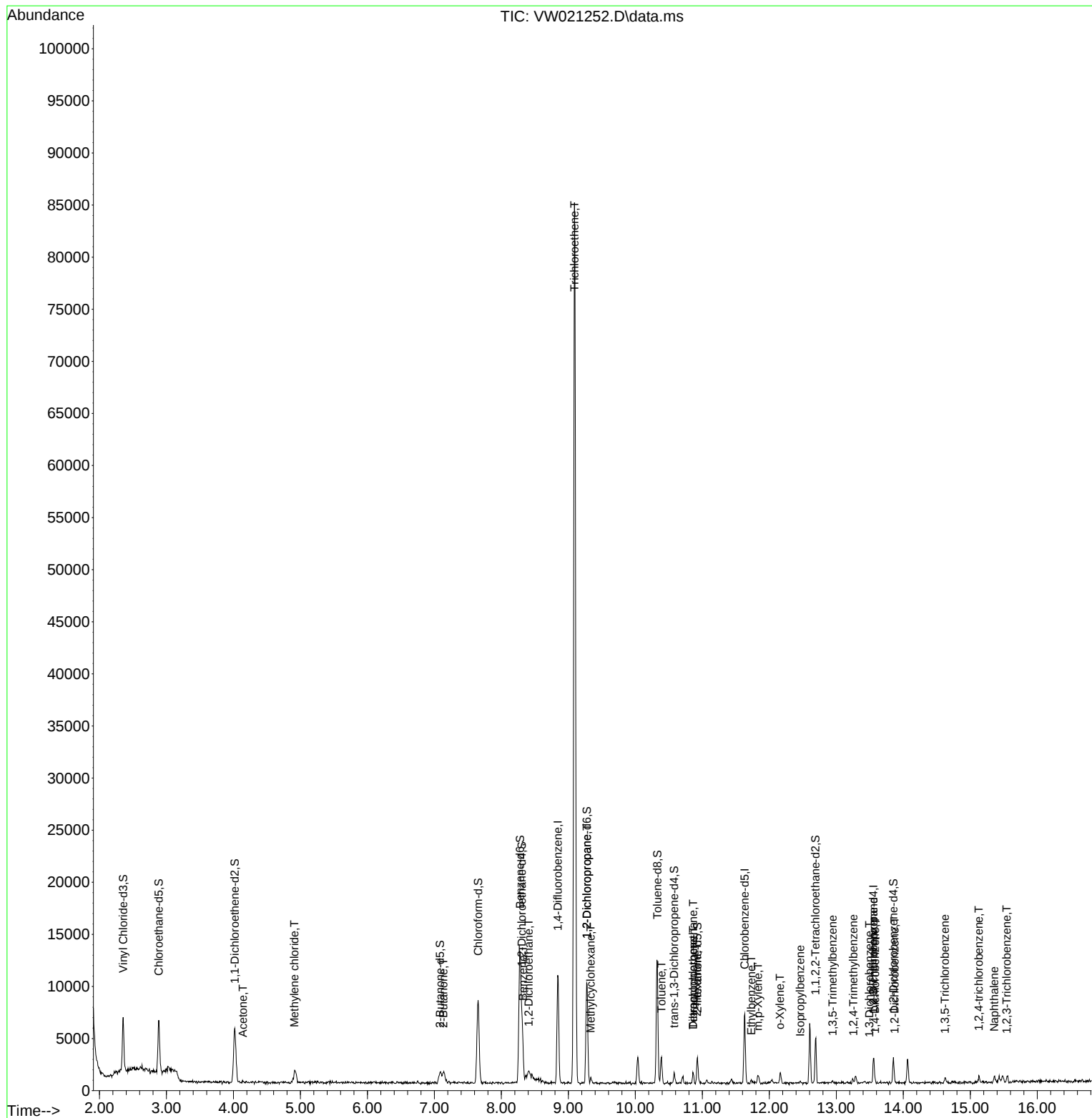
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	13.493	146	123	2.193	ug/L #	69
65) 1,4-Dichlorobenzene	13.579	146	188	3.374	ug/L #	69
67) 1,2-Dichlorobenzene	13.871	146	138	2.795	ug/L #	26
69) 1,3,5-Trichlorobenzene	14.621	180	288	6.871	ug/L #	73
70) 1,2,4-trichlorobenzene	15.127	180	304	9.017	ug/L #	88
71) Naphthalene	15.359	128	812	14.825	ug/L #	76
72) 1,2,3-Trichlorobenzene	15.542	180	166	5.958	ug/L #	1

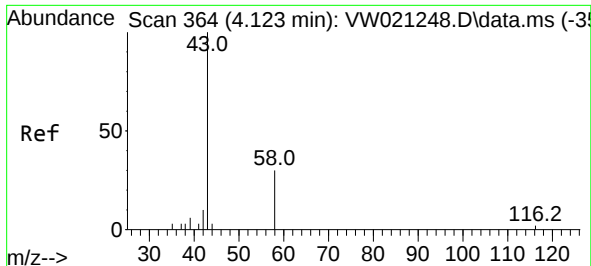
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

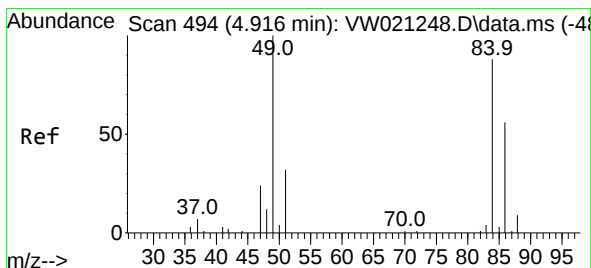
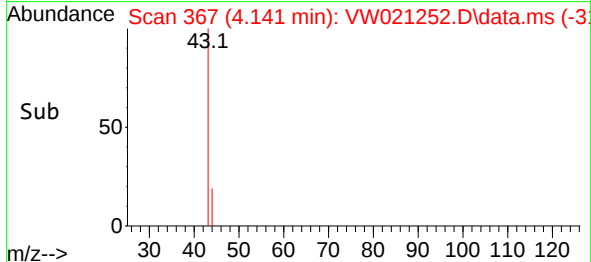
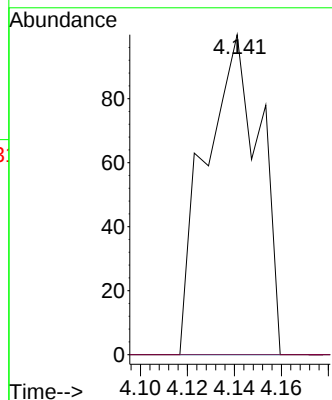
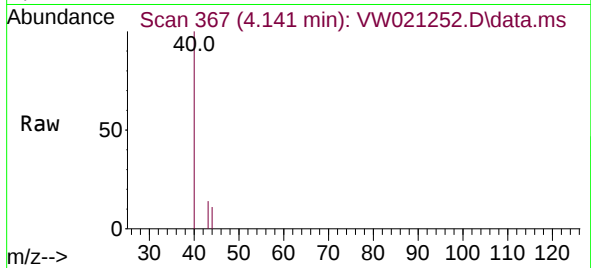




#13
Acetone
Concen: 7.689 ug/L
RT: 4.141 min Scan# 30
Delta R.T. 0.018 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

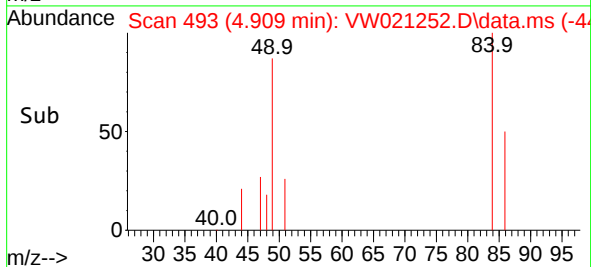
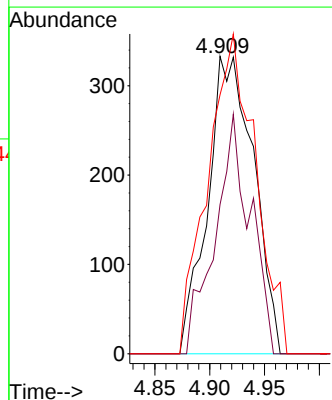
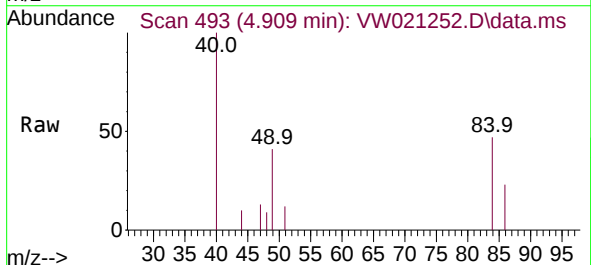
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ClientSampleId :

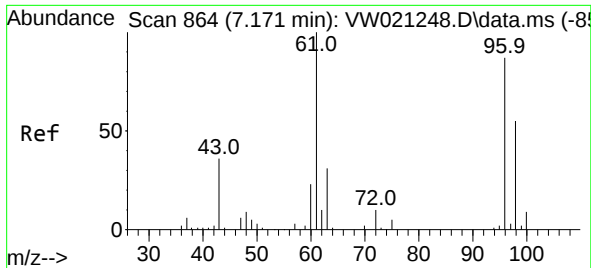
Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
58 0.0 0.0 52.8



#16
Methylene chloride
Concen: 6.486 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Tgt Ion: 84 Resp: 975
Ion Ratio Lower Upper
84 100
86 50.2 45.5 84.5
49 87.1 100.5 186.7#

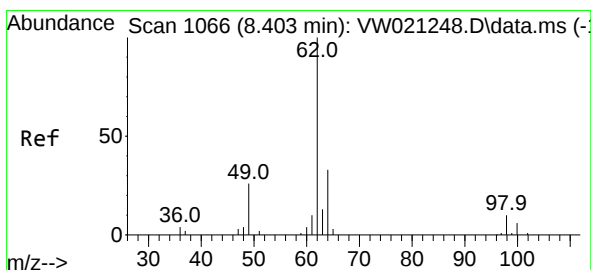
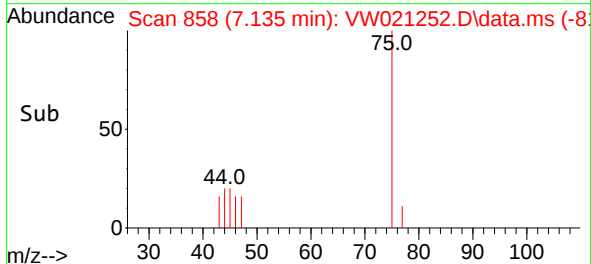
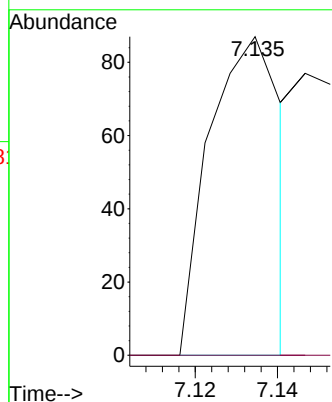
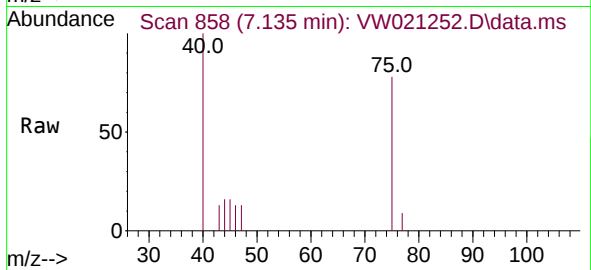




#22
2-Butanone
Concen: 3.876 ug/L
RT: 7.135 min Scan# 864
Delta R.T. -0.037 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

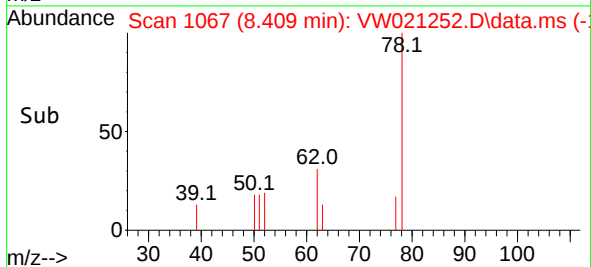
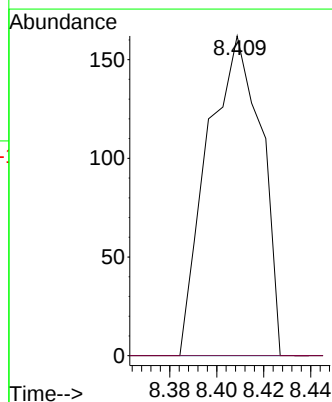
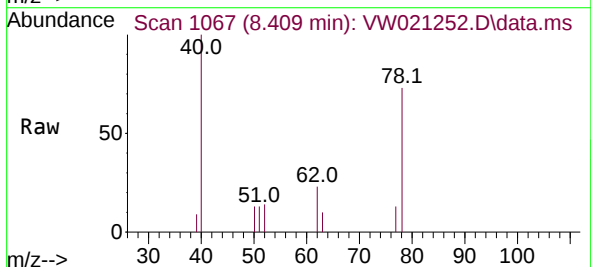
Instrument :
MSVOA_W
ClientSampleId :

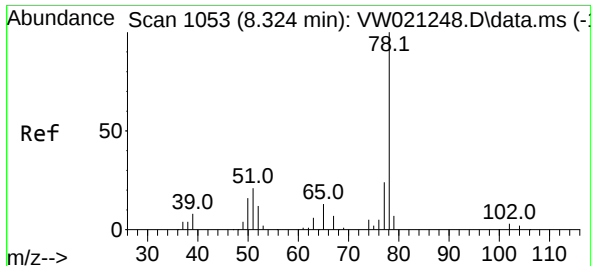
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 1.825 ug/L
RT: 8.409 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Tgt Ion: 62 Resp: 257
Ion Ratio Lower Upper
62 100
98 0.0 6.5 9.7#

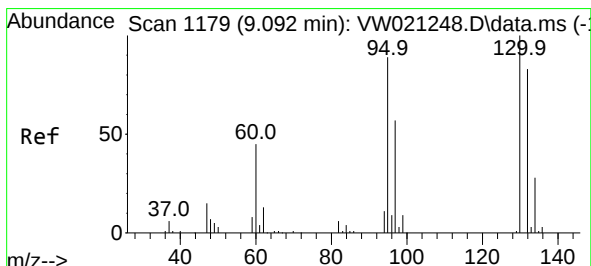
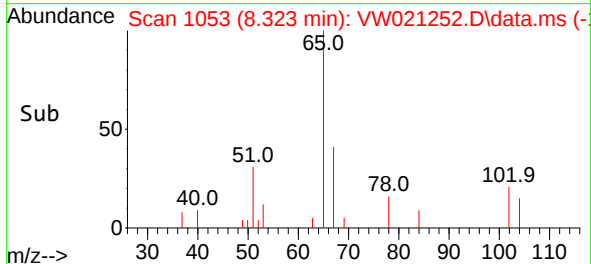
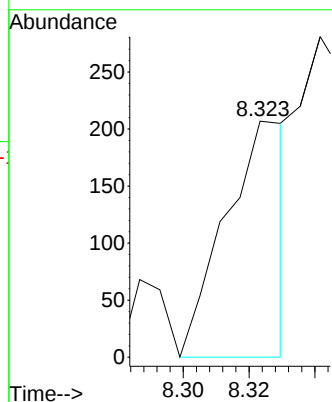
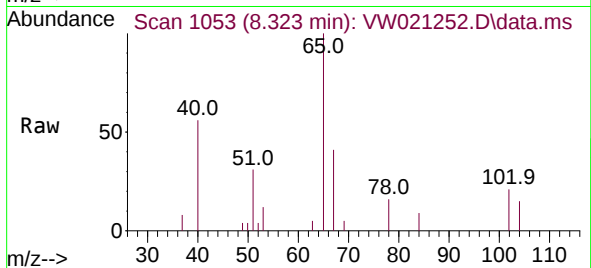




#33
Benzene
Concen: 1.217 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Instrument :
MSVOA_W
ClientSampleId :

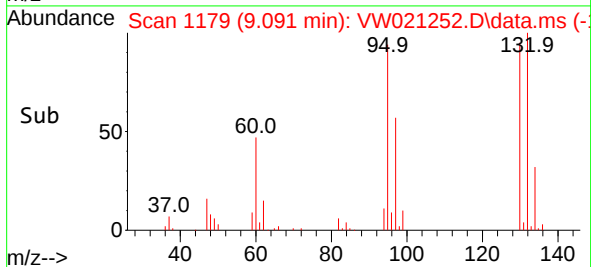
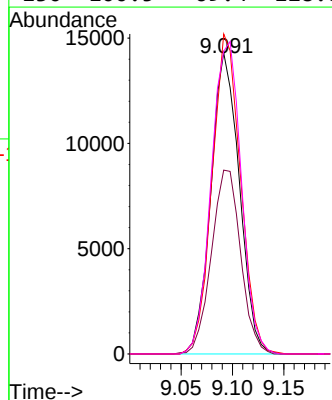
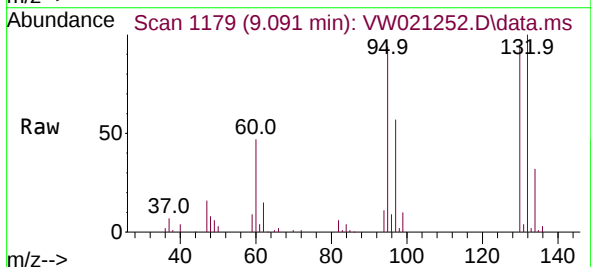
Tgt Ion: 78 Resp: 265

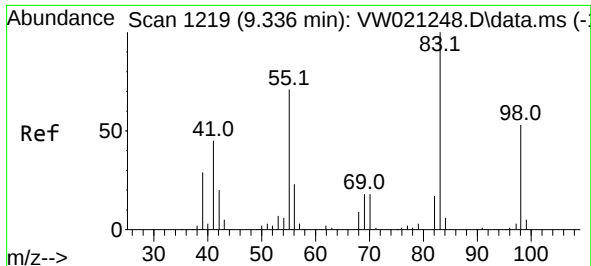


#34
Trichloroethene
Concen: 449.819 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Tgt Ion: 95 Resp: 27487

Ion	Ratio	Lower	Upper
95	100		
97	61.0	47.0	87.2
132	106.2	65.5	121.6
130	100.5	69.4	128.8

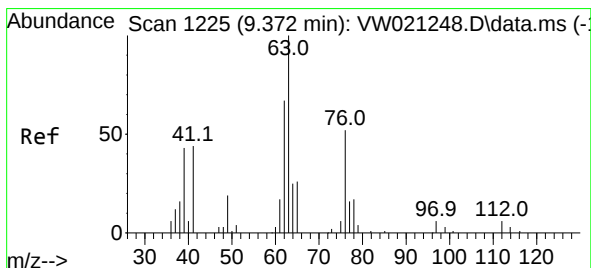
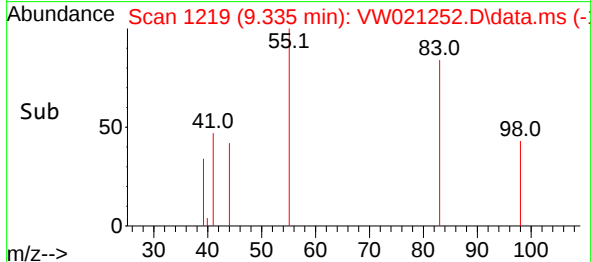
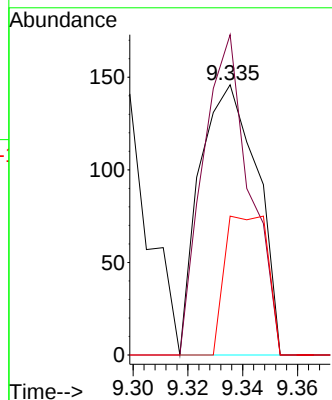
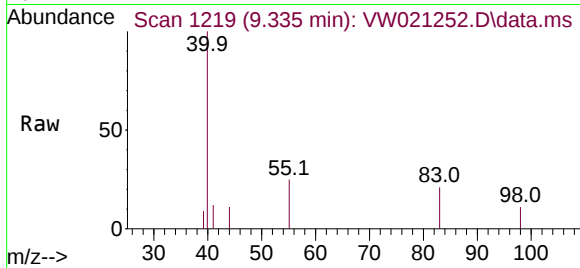




#35
Methylcyclohexane
Concen: 2.103 ug/L
RT: 9.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

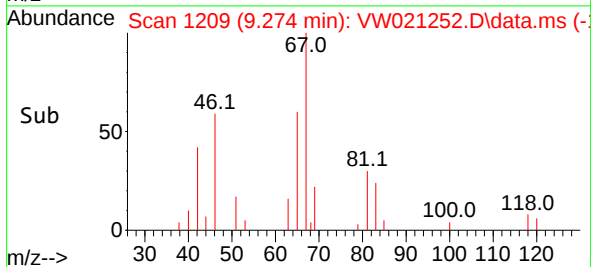
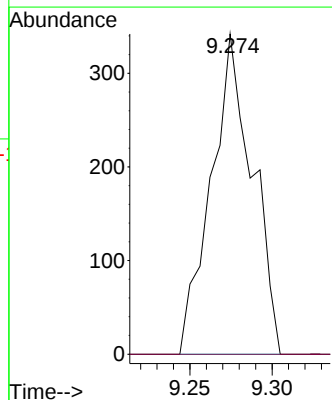
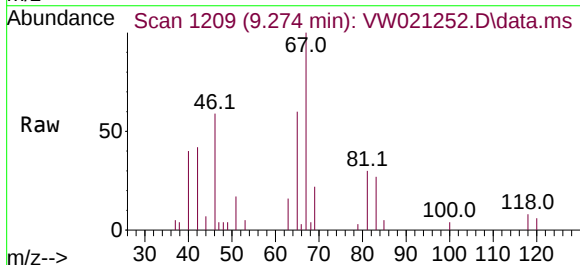
Instrument :
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ClientSampleId :

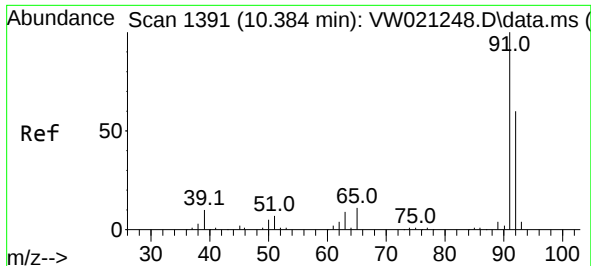
Tgt Ion: 83 Resp: 212
Ion Ratio Lower Upper
83 100
55 96.7 70.8 106.2
98 25.5 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 12.316 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.098 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Tgt Ion: 63 Resp: 598
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

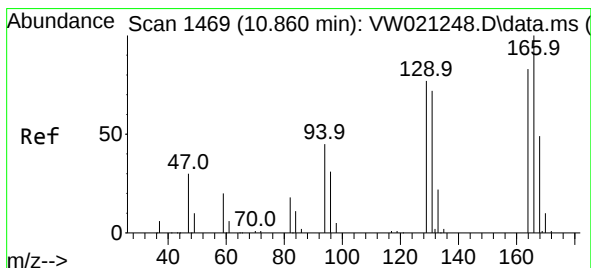
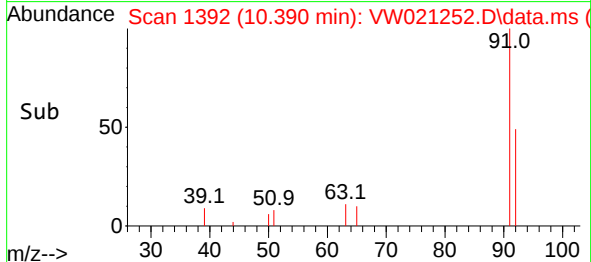
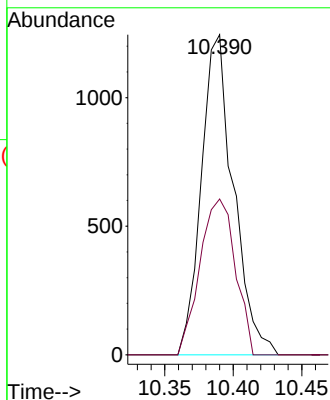
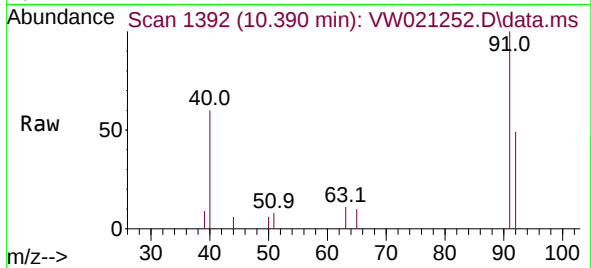




#42
Toluene
Concen: 7.974 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

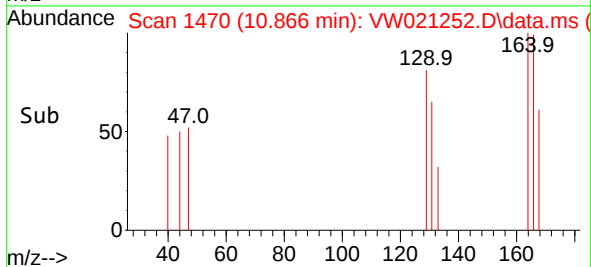
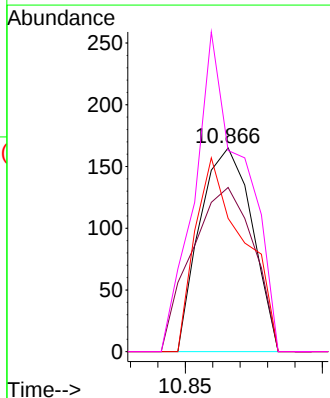
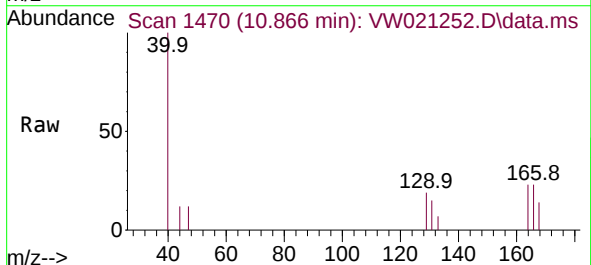
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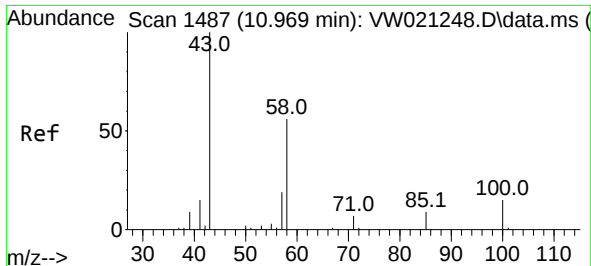
Tgt Ion: 91 Resp: 2030
Ion Ratio Lower Upper
91 100
92 48.7 41.7 77.5



#46
Tetrachloroethene
Concen: 3.755 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

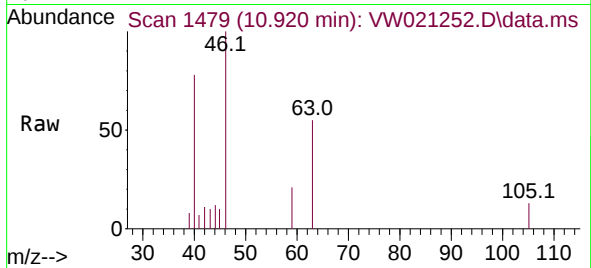
Tgt Ion:164 Resp: 218
Ion Ratio Lower Upper
164 100
129 80.6 65.5 121.7
131 65.5 59.7 110.9
166 98.8 88.7 164.7



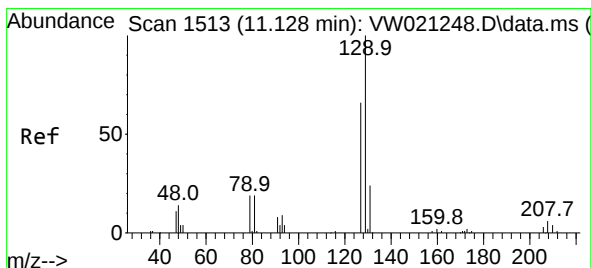
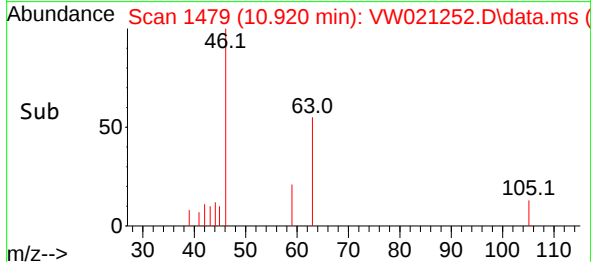
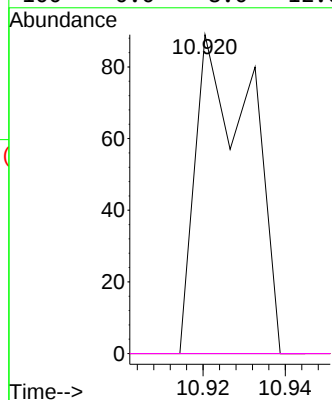


#48
2-Hexanone
Concen: 4.326 ug/L
RT: 10.920 min Scan# 1487
Delta R.T. -0.049 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Instrument :
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ClientSampleId :

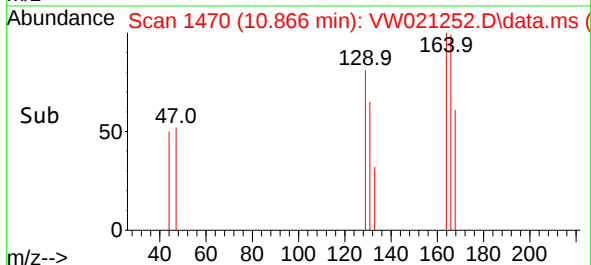
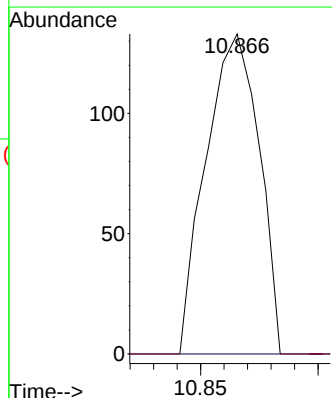
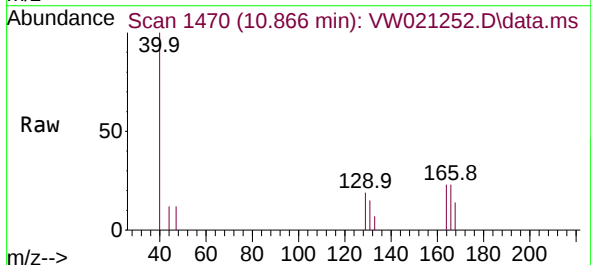


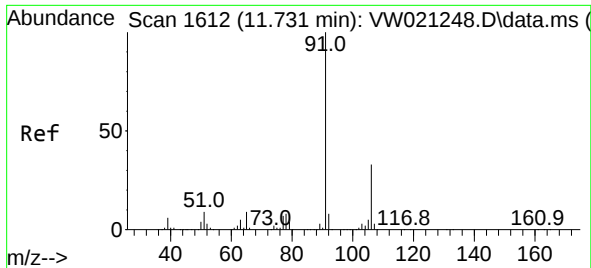
Tgt Ion: 43	Resp:	83	
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.2	60.2#
57	0.0	14.3	21.5#
100	0.0	8.0	12.0#



#49
Dibromochloromethane
Concen: 4.266 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.262 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Tgt Ion:129	Resp:	209	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#

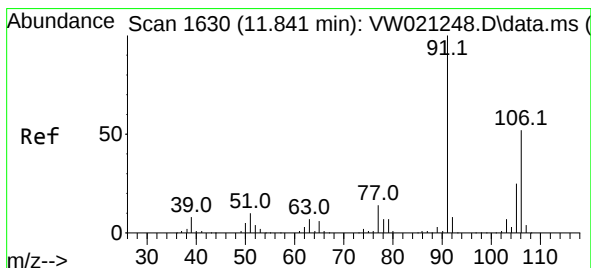
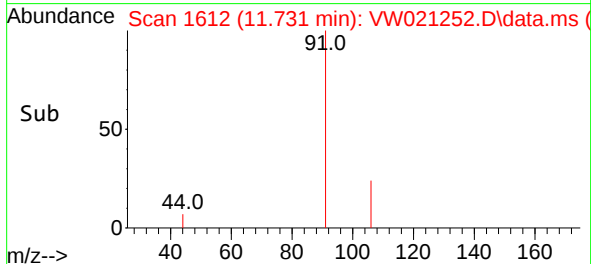
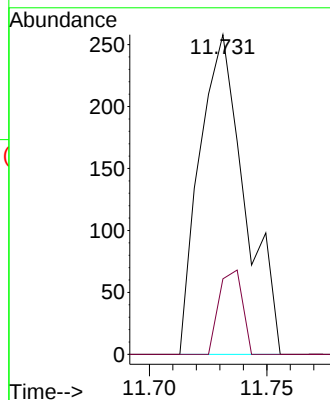
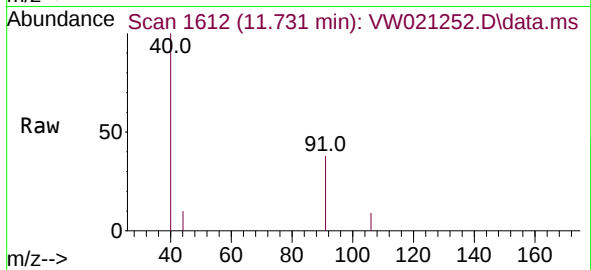




#52
Ethylbenzene
Concen: 1.186 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

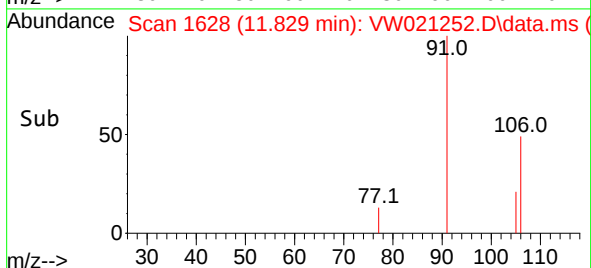
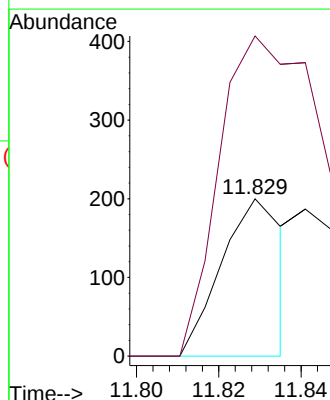
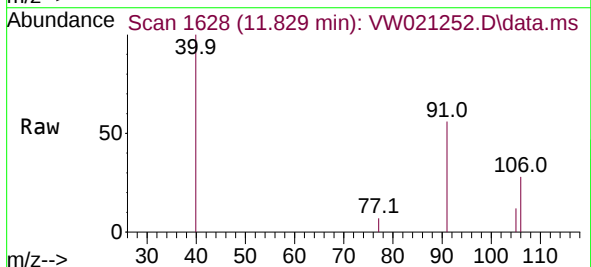
Instrument :
MSVOA_W
ClientSampleId :

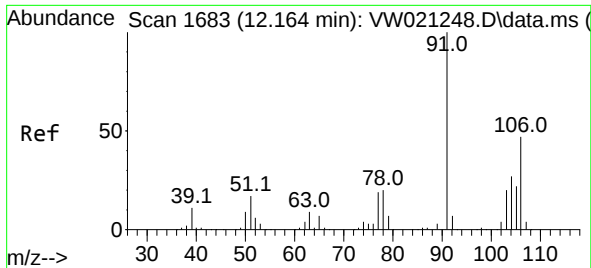
Tgt Ion: 91 Resp: 345
Ion Ratio Lower Upper
91 100
106 23.6 21.5 39.9



#53
m,p-Xylene
Concen: 1.789 ug/L
RT: 11.829 min Scan# 1628
Delta R.T. -0.012 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Tgt Ion: 106 Resp: 210
Ion Ratio Lower Upper
106 100
91 203.5 149.9 278.3

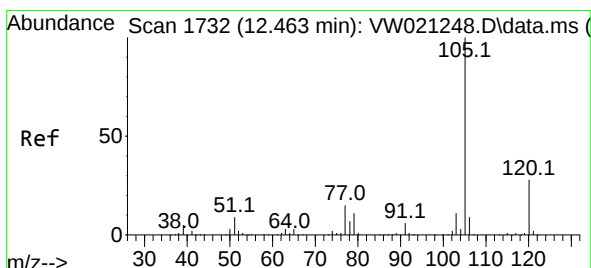
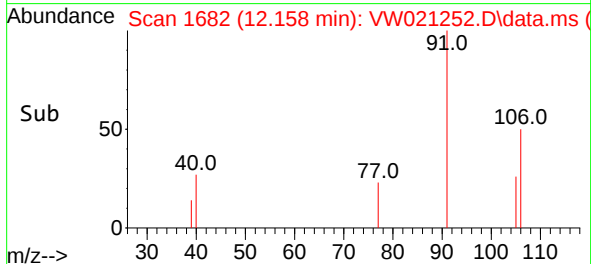
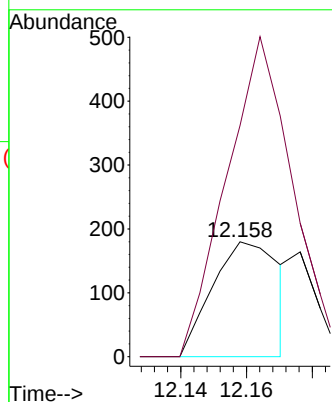
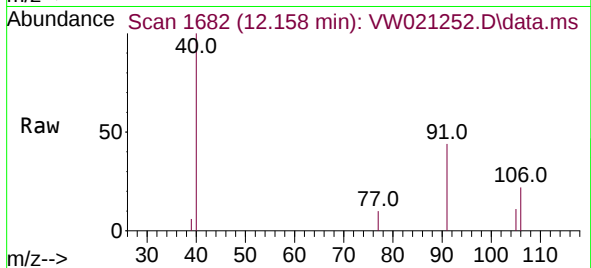




#54
o-Xylene
Concen: 2.289 ug/L
RT: 12.158 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

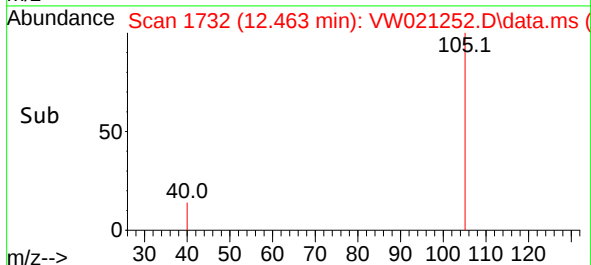
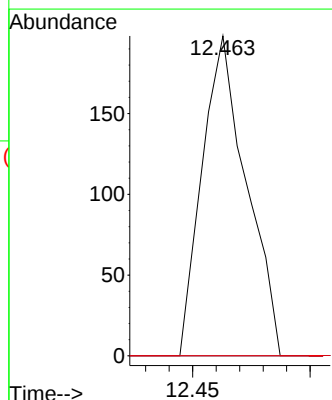
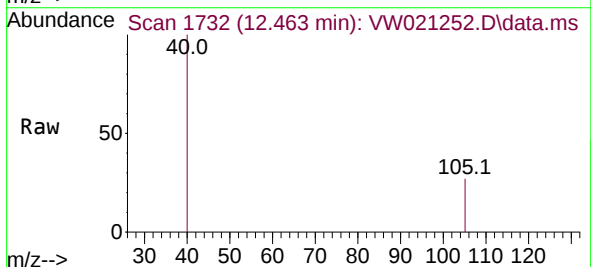
Instrument :
MSVOA_W
ClientSampleId :

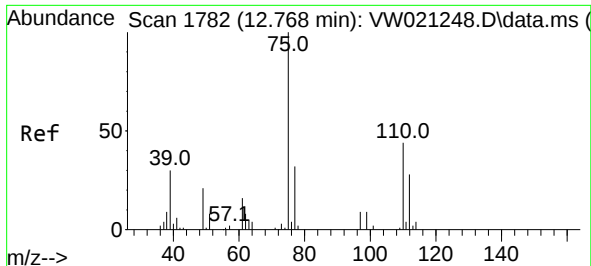
Tgt Ion:106 Resp: 255
Ion Ratio Lower Upper
106 100
91 201.1 153.6 285.3



#60
Isopropylbenzene
Concen: 2.187 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Tgt Ion:105 Resp: 260
Ion Ratio Lower Upper
105 100
120 0.0 20.1 30.1#
77 0.0 13.8 20.8#





#61

1,2,3-Trichloropropane

Concen: 9.423 ug/L

RT: 13.554 min Scan# 1911

Delta R.T. 0.786 min

Lab File: VW021252.D

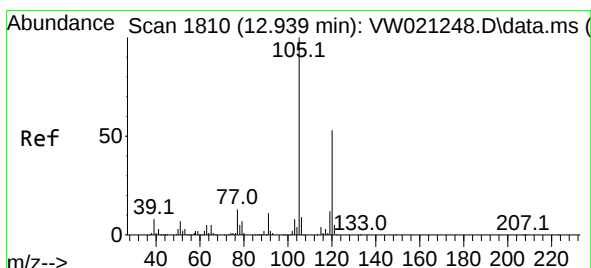
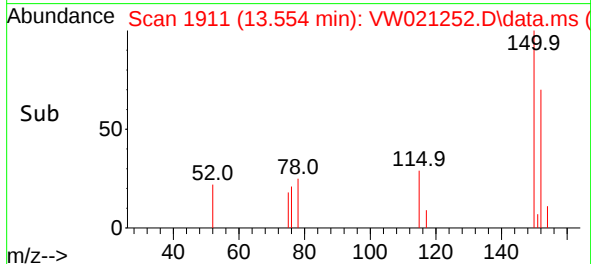
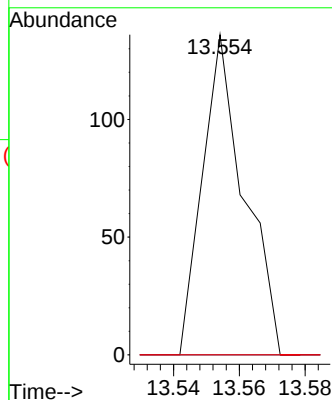
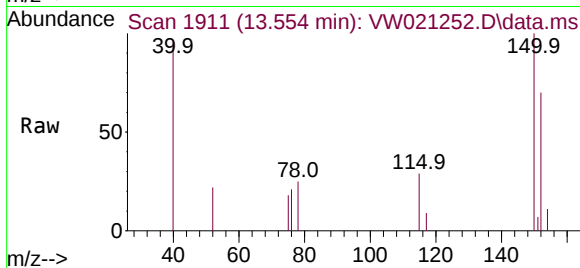
Acq: 09 Dec 2021 19:47

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	120
Ion Ratio	Lower	Upper	
75	100		
77	0.0	25.8	38.8#
110	0.0	29.0	43.4#



#62

1,3,5-Trimethylbenzene

Concen: 1.888 ug/L

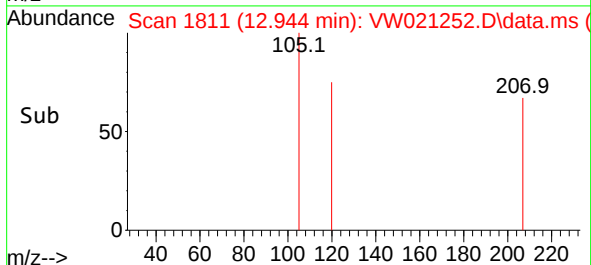
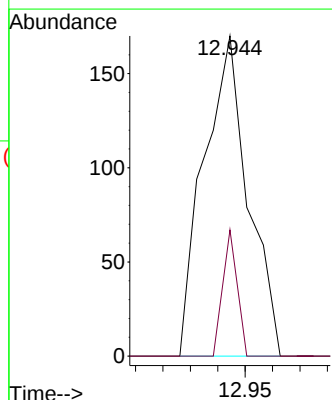
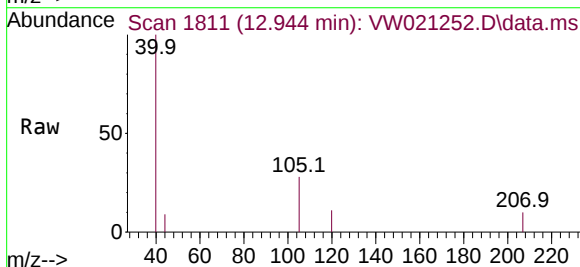
RT: 12.944 min Scan# 1811

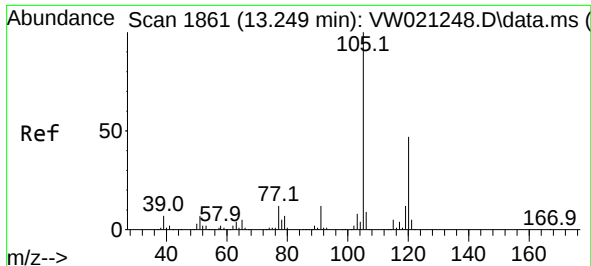
Delta R.T. 0.006 min

Lab File: VW021252.D

Acq: 09 Dec 2021 19:47

Tgt Ion:	105	Resp:	191
Ion Ratio	Lower	Upper	
105	100		
120	0.0	37.4	56.2#

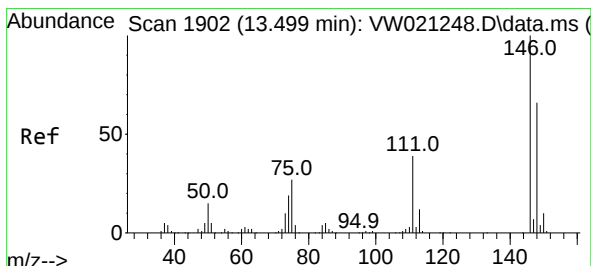
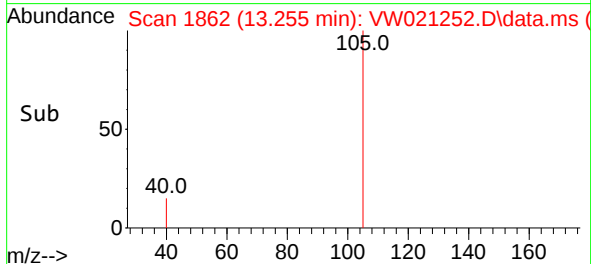
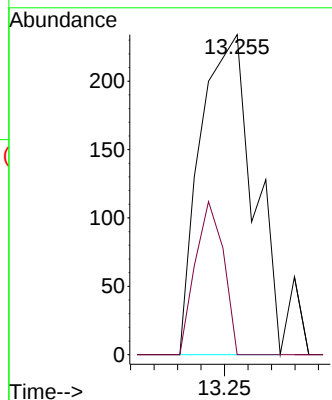
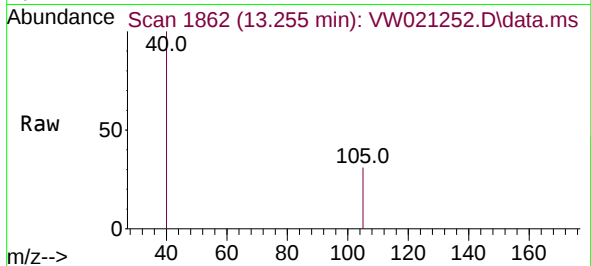




#63
1,2,4-Trimethylbenzene
Concen: 3.687 ug/L
RT: 13.255 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

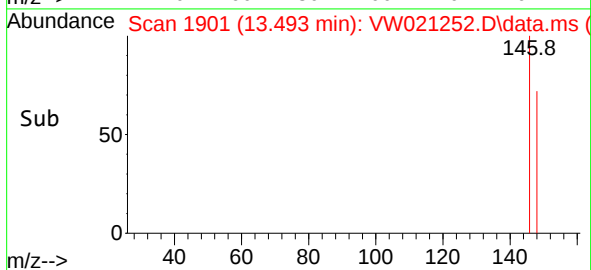
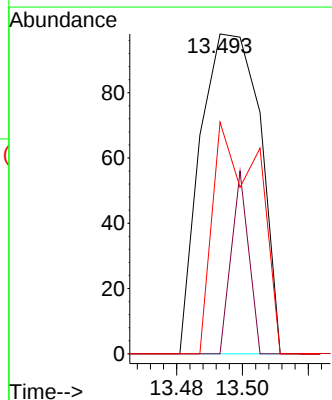
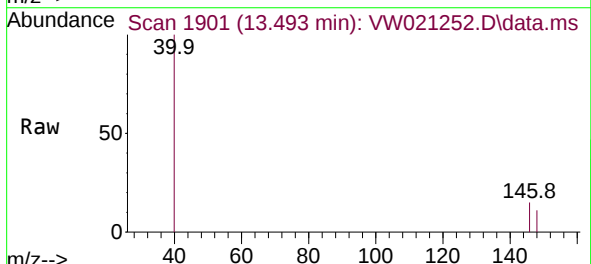
Instrument :
MSVOA_W
ClientSampleId :

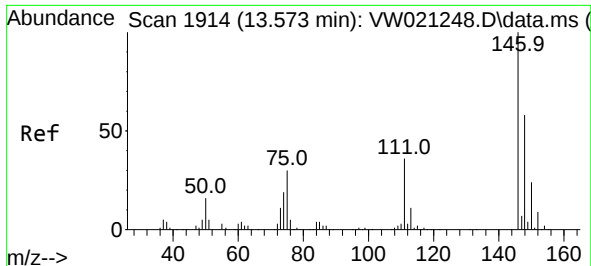
Tgt Ion:105 Resp: 368
Ion Ratio Lower Upper
105 100
120 25.3 35.0 52.6#



#64
1,3-Dichlorobenzene
Concen: 2.193 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Tgt Ion:146 Resp: 123
Ion Ratio Lower Upper
146 100
111 0.0 29.8 55.3#
148 72.4 46.2 85.8

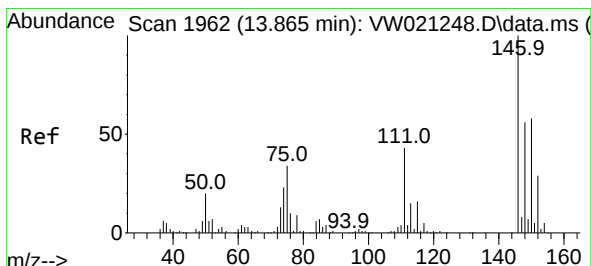
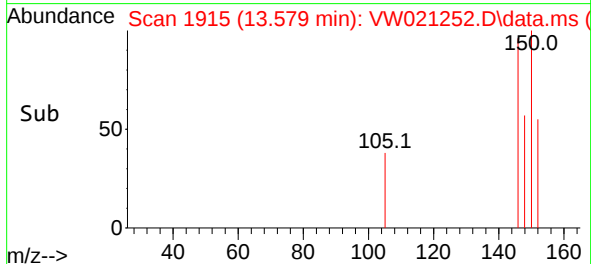
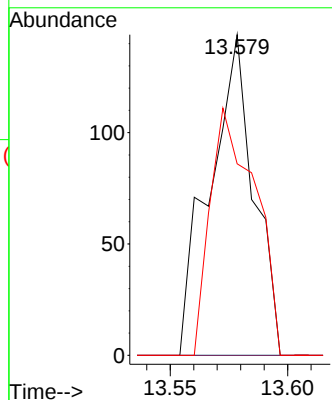
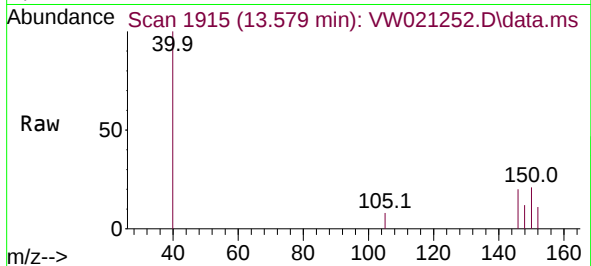




#65
1,4-Dichlorobenzene
Concen: 3.374 ug/L
RT: 13.579 min Scan# 1914
Delta R.T. 0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

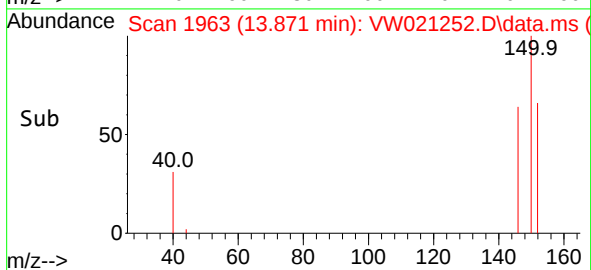
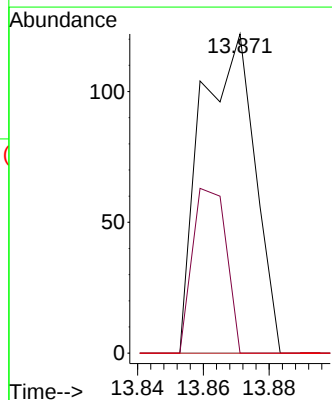
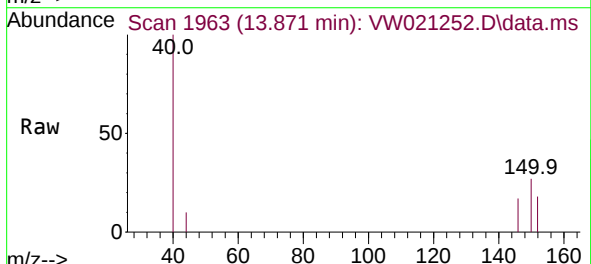
Instrument :
MSVOA_W
ClientSampleId :

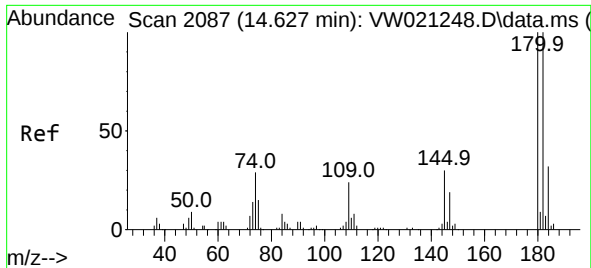
Tgt Ion:146 Resp: 188
Ion Ratio Lower Upper
146 100
111 0.0 29.0 53.9#
148 59.7 46.9 87.1



#67
1,2-Dichlorobenzene
Concen: 2.795 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

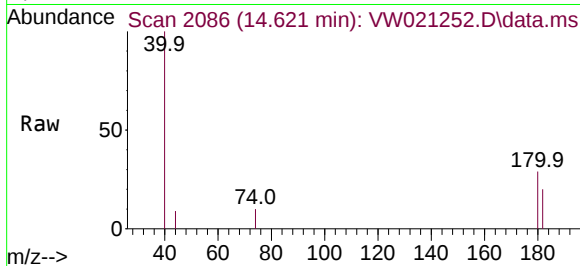
Tgt Ion:146 Resp: 138
Ion Ratio Lower Upper
146 100
111 0.0 33.1 49.7#
148 0.0 47.4 71.2#



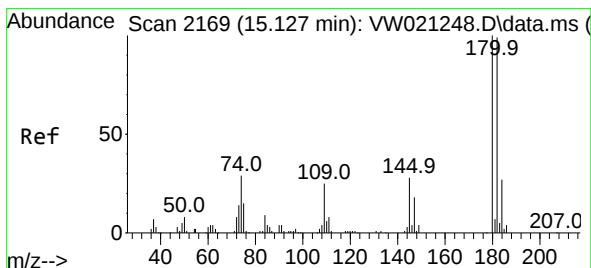
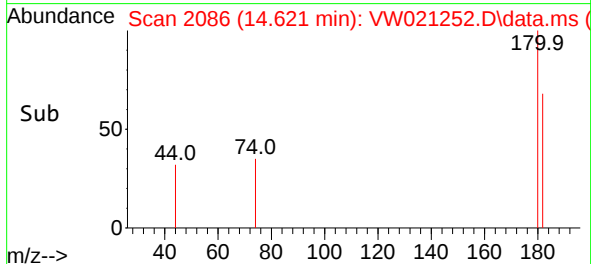
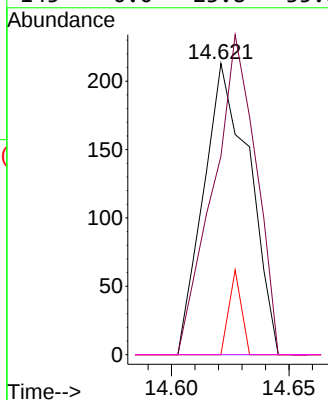


#69
 1,3,5-Trichlorobenzene
 Concen: 6.871 ug/L
 RT: 14.621 min Scan# 2086
 Delta R.T. -0.006 min
 Lab File: VW021252.D
 Acq: 09 Dec 2021 19:47

Instrument :
 MSVOA_W
 ClientSampleId :

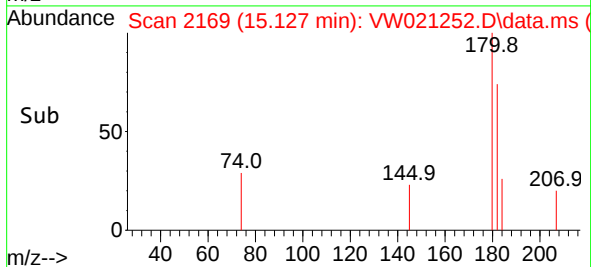
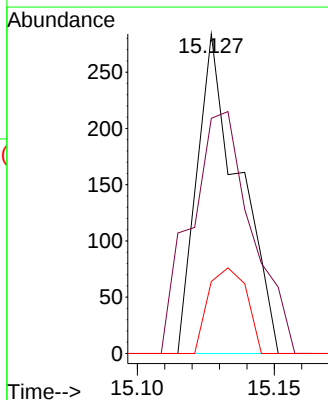
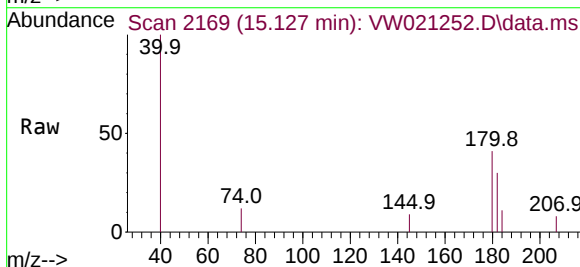


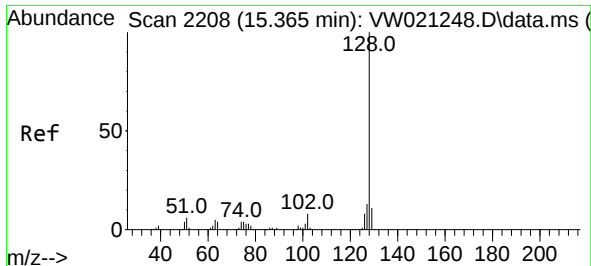
Tgt Ion:180 Resp: 288
 Ion Ratio Lower Upper
 180 100
 182 102.4 75.4 113.0
 184 0.0 23.8 35.8#
 145 0.0 23.8 35.8#



#70
 1,2,4-trichlorobenzene
 Concen: 9.017 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. -0.000 min
 Lab File: VW021252.D
 Acq: 09 Dec 2021 19:47

Tgt Ion:180 Resp: 304
 Ion Ratio Lower Upper
 180 100
 182 109.5 79.0 118.6
 145 24.3 26.0 39.0#

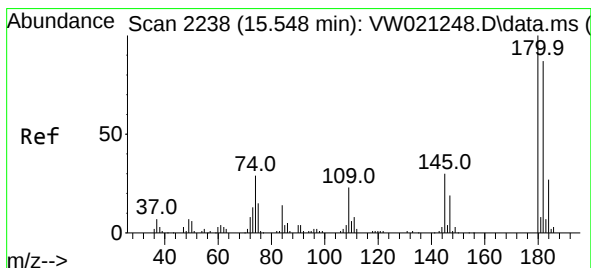
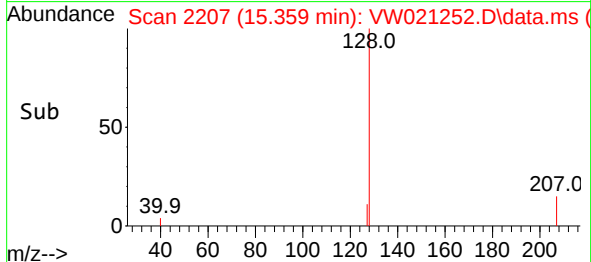
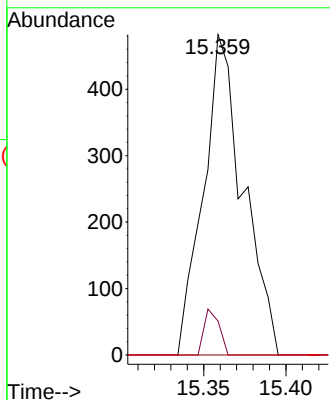
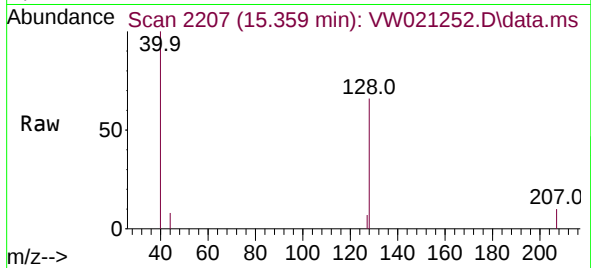




#71
Naphthalene
Concen: 14.825 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 812
Ion Ratio Lower Upper
128 100
127 5.4 10.7 16.1#
129 0.0 8.6 12.8#



#72
1,2,3-Trichlorobenzene
Concen: 5.958 ug/L
RT: 15.542 min Scan# 2237
Delta R.T. -0.006 min
Lab File: VW021252.D
Acq: 09 Dec 2021 19:47

Tgt Ion:180 Resp: 166
Ion Ratio Lower Upper
180 100
182 216.9 76.6 114.8#
145 0.0 27.4 41.0#

