

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
 Data File : VW021004.D
 Acq On : 01 Dec 2021 16:10
 Operator : SY/VA
 Sample : M4868-10
 Misc : 7.36g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGKP5

Quant Time: Dec 02 01:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 01:54:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	140769	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	122572	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	69158	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	25285	15.485	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.960%
7) Chloroethane-d5	2.885	69	18716	17.772	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.080%
11) 1,1-Dichloroethene-d2	4.013	63	34653	10.969	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.880%#
21) 2-Butanone-d5	7.080	46	16747	41.091	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.180%
24) Chloroform-d	7.647	84	63793	17.985	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	71.960%
26) 1,2-Dichloroethane-d4	8.305	65	33607	18.667	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.680%
32) Benzene-d6	8.275	84	117956	18.259	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.040%
36) 1,2-Dichloropropane-d6	9.274	67	34819	18.928	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	75.720%
41) Toluene-d8	10.323	98	114203	17.811	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.240%
43) trans-1,3-Dichloroprop...	10.579	79	15221	17.505	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.040%
47) 2-Hexanone-d5	10.920	63	13558	44.438	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.880%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	30455	21.611	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.440%
66) 1,2-Dichlorobenzene-d4	13.853	152	46913	19.032	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.120%
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.361	62	21450	10.012	ug/L	95
13) Acetone	4.129	43	175082	481.154	ug/L	92
19) 1,1-Dichloroethane	6.220	63	2450	0.778	ug/L	# 89
20) cis-1,2-Dichloroethene	7.171	96	87971	42.939	ug/L	74
22) 2-Butanone	7.171	43	40732	82.389	ug/L	86
27) 1,2-Dichloroethane	8.396	62	14138	6.782	ug/L	96
30) 1,1,1-Trichloroethane	7.878	97	3037	1.030	ug/L	93
33) Benzene	8.323	78	121514	17.509	ug/L	100
34) Trichloroethene	9.091	95	105831	54.519	ug/L	87
40) 4-Methyl-2-pentanone	10.207	43	20115	20.924	ug/L	# 94
42) Toluene	10.384	91	165891	21.251	ug/L	99
46) Tetrachloroethene	10.866	164	4678	2.625	ug/L	95
48) 2-Hexanone	10.969	43	2038	3.061	ug/L	# 91
51) Chlorobenzene	11.658	112	5044	0.972	ug/L	# 86
52) Ethylbenzene	11.731	91	83640	9.669	ug/L	99
53) m,p-Xylene	11.835	106	126885	35.929	ug/L	88
54) o-Xylene	12.164	106	43840	12.926	ug/L	89
55) Styrene	12.176	104	24404	4.333	ug/L	90
60) Isopropylbenzene	12.463	105	24009	2.549	ug/L	95

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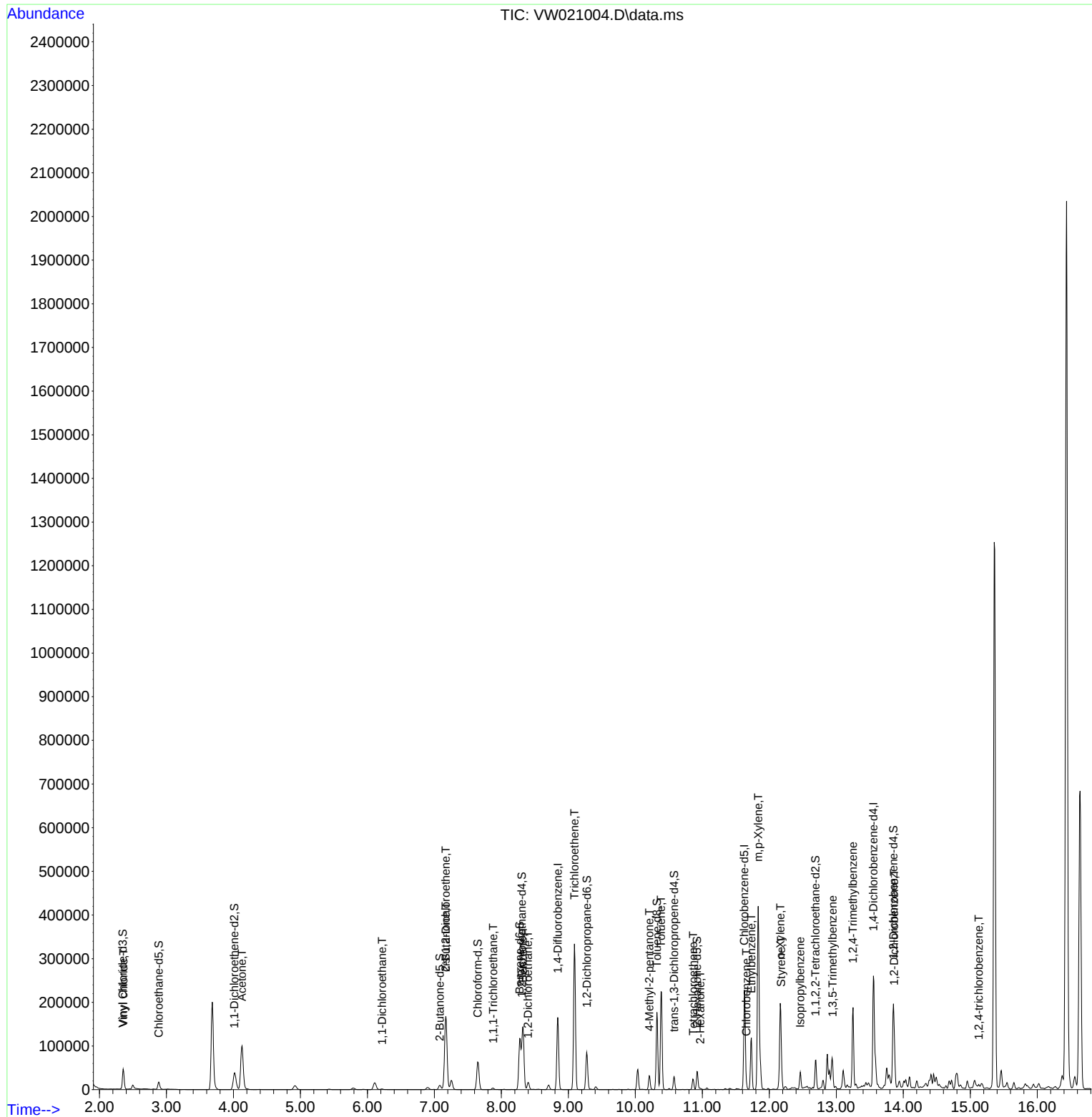
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	12.944	105	27723	3.489	ug/L	92
63) 1,2,4-Trimethylbenzene	13.249	105	101378	12.931	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	9412	2.419	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	2251	0.787	ug/L	97

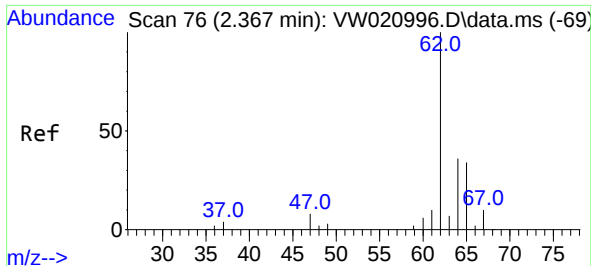
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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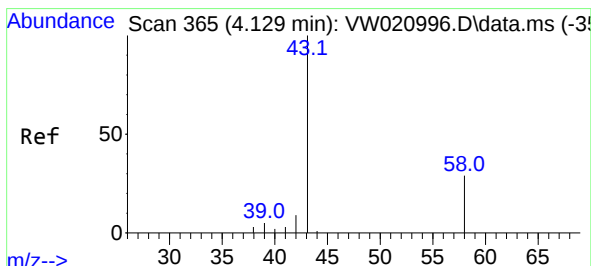
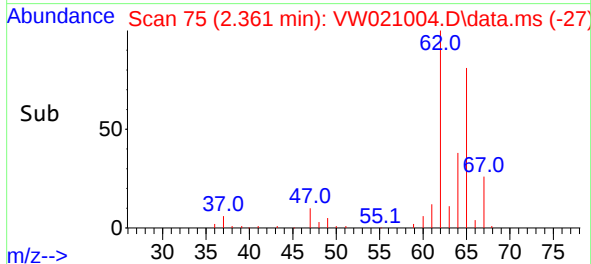
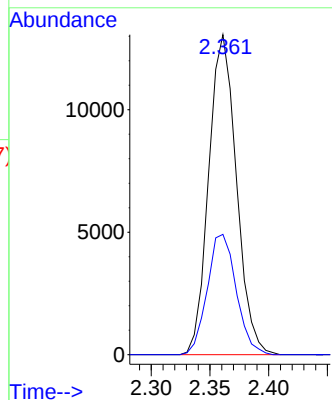
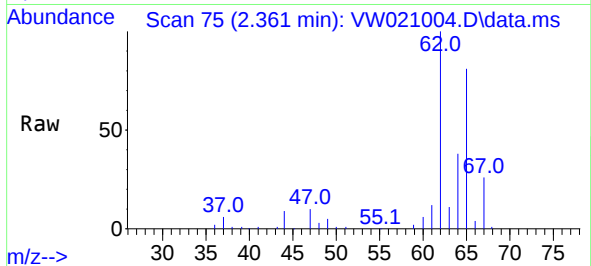




#5
 Vinyl chloride
 Concen: 10.012 ug/L
 RT: 2.361 min Scan# 76
 Delta R.T. -0.006 min
 Lab File: VW021004.D
 Acq: 01 Dec 2021 16:10

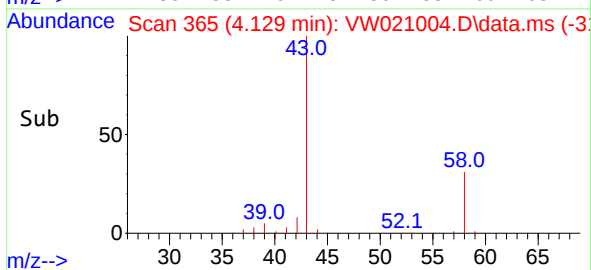
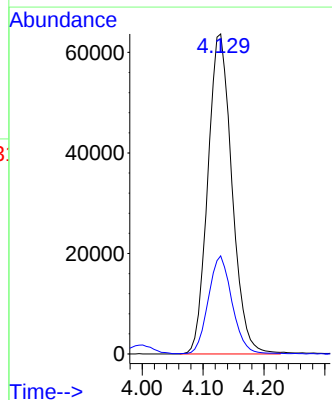
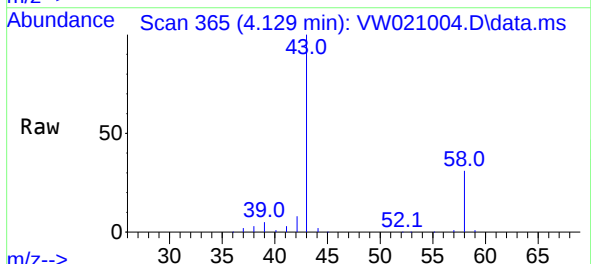
Instrument :
 MSVOA_W
 ClientSampleId :
 BGKP5

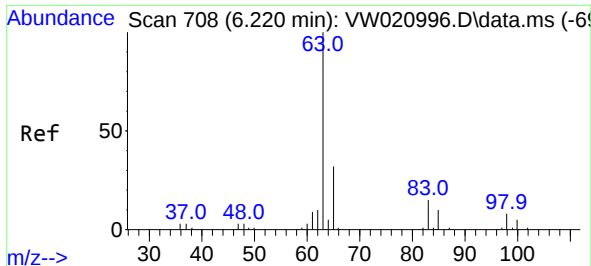
Tgt Ion: 62 Resp: 21450
 Ion Ratio Lower Upper
 62 100
 64 37.6 24.4 45.2



#13
 Acetone
 Concen: 481.154 ug/L
 RT: 4.129 min Scan# 365
 Delta R.T. 0.000 min
 Lab File: VW021004.D
 Acq: 01 Dec 2021 16:10

Tgt Ion: 43 Resp: 175082
 Ion Ratio Lower Upper
 43 100
 58 30.3 0.0 52.8





#19

1,1-Dichloroethane

Concen: 0.778 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW021004.D

Acq: 01 Dec 2021 16:10

Instrument :

MSVOA_W

ClientSampleId :

BGKP5

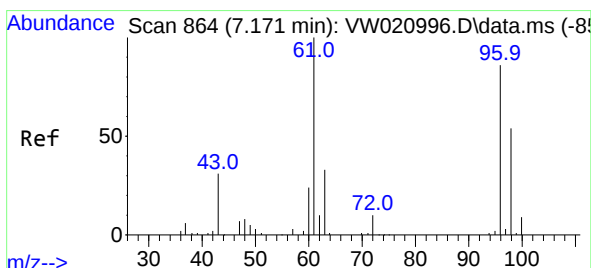
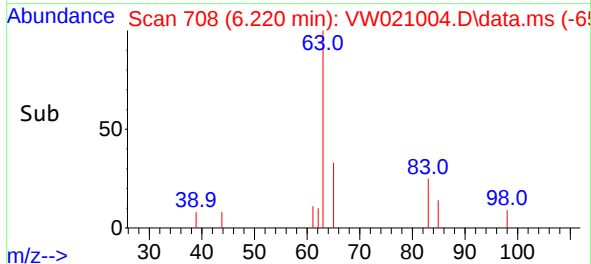
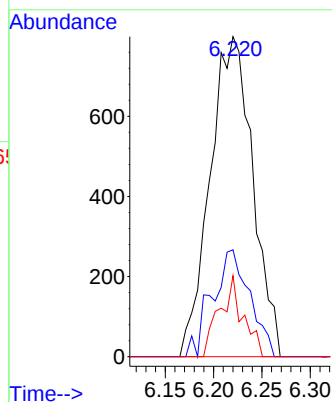
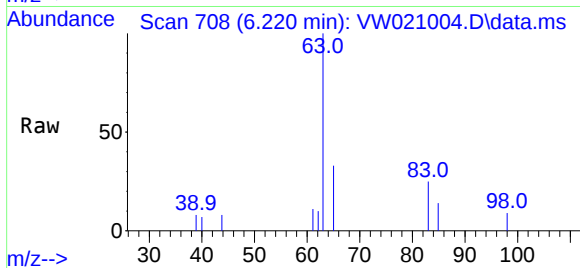
Tgt Ion: 63 Resp: 2450

Ion Ratio Lower Upper

63 100

65 33.4 22.1 41.1

83 25.3 9.2 17.2#



#20

cis-1,2-Dichloroethene

Concen: 42.939 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW021004.D

Acq: 01 Dec 2021 16:10

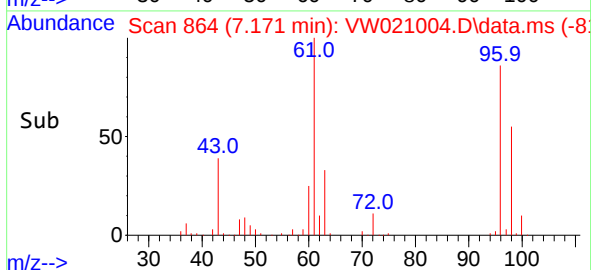
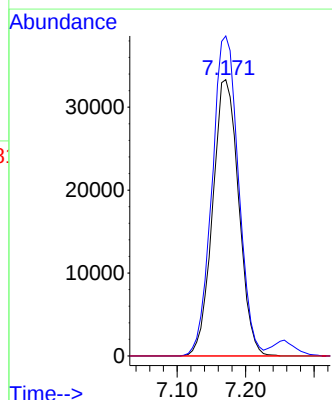
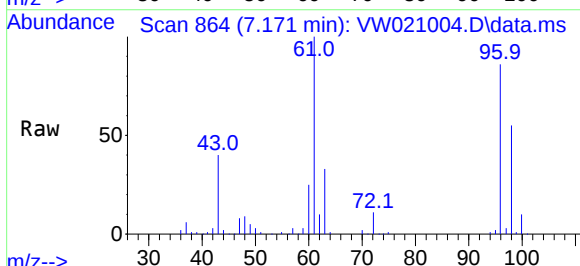
Tgt Ion: 96 Resp: 87971

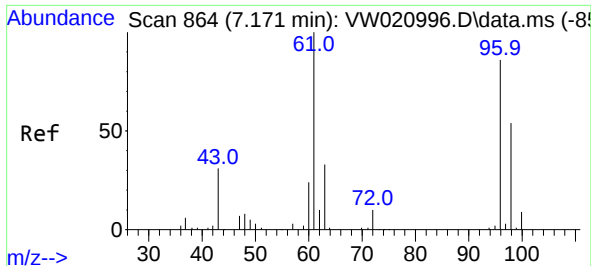
Ion Ratio Lower Upper

96 100

61 115.8 103.7 192.7

68 0.0 0.0 0.0

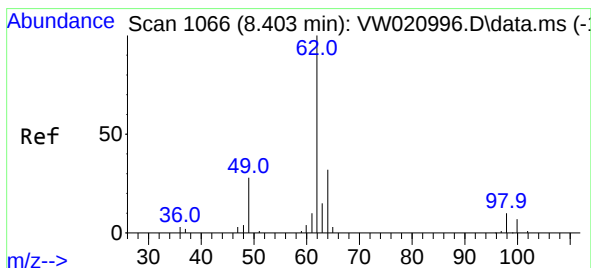
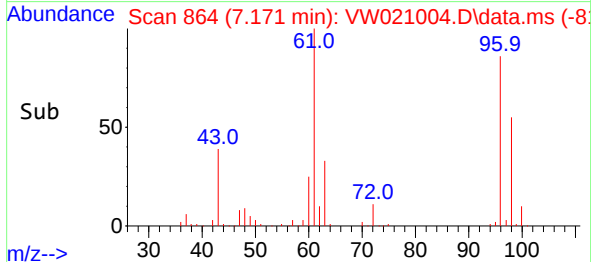
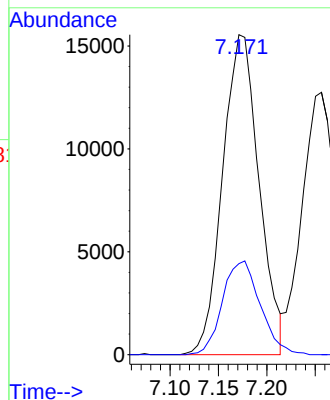
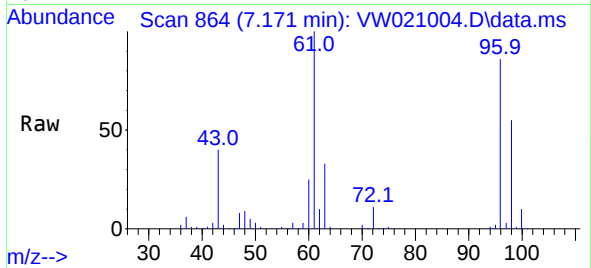




#22
2-Butanone
Concen: 82.389 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

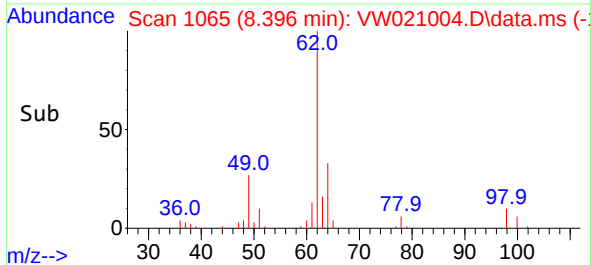
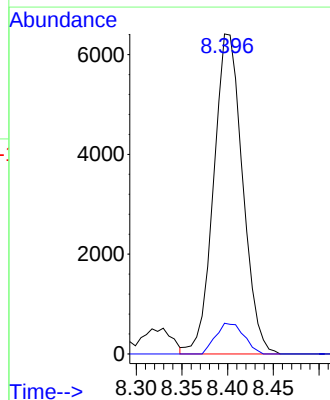
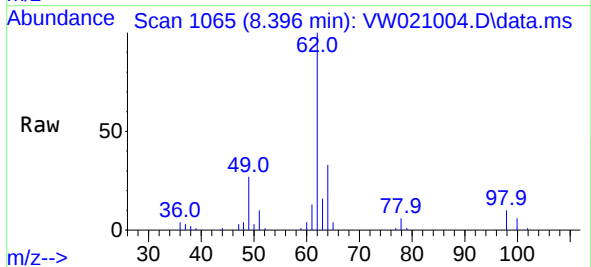
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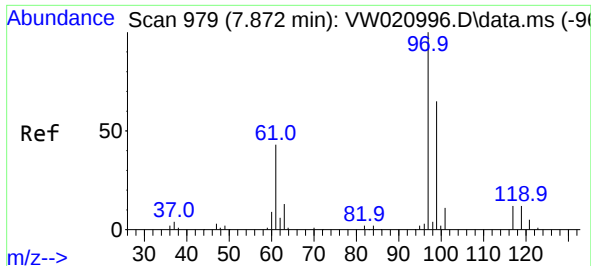
Tgt Ion: 43 Resp: 40732
Ion Ratio Lower Upper
43 100
72 30.3 11.8 35.4



#27
1,2-Dichloroethane
Concen: 6.782 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion: 62 Resp: 14138
Ion Ratio Lower Upper
62 100
98 9.6 6.5 9.7

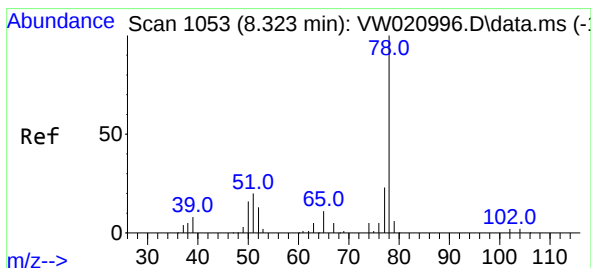
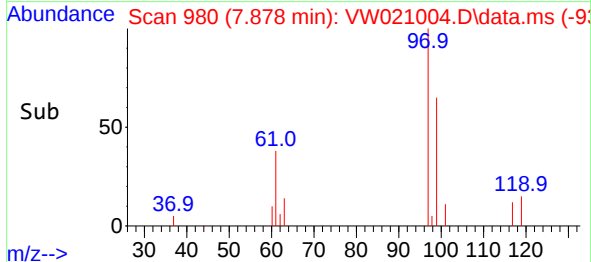
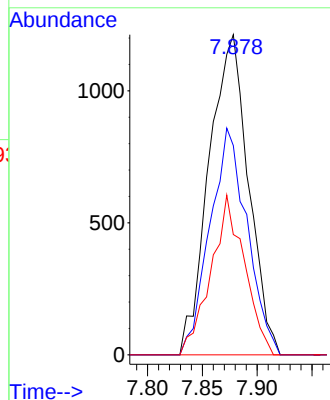
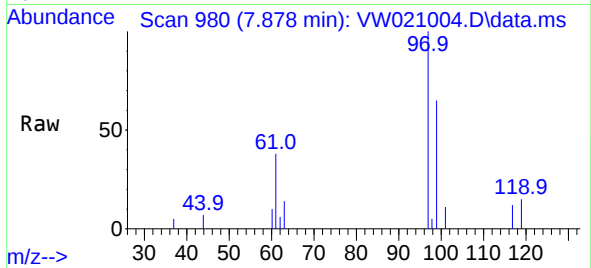




#30
1,1,1-Trichloroethane
Concen: 1.030 ug/L
RT: 7.878 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

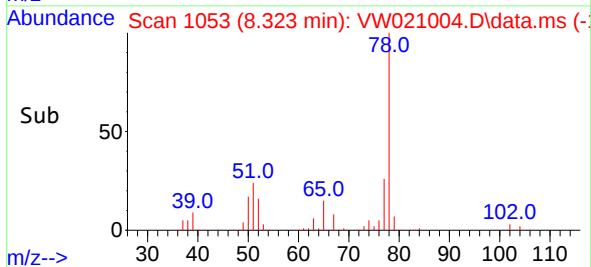
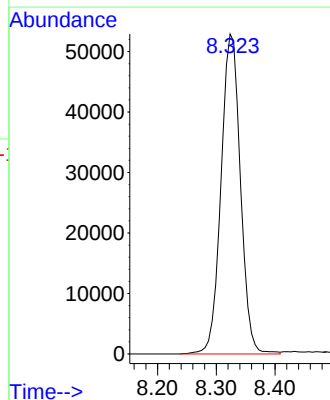
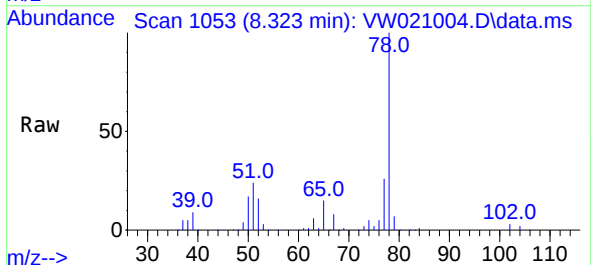
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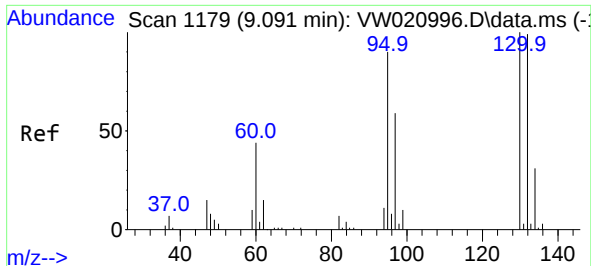
Tgt Ion: 97 Resp: 3037
Ion Ratio Lower Upper
97 100
99 66.9 51.6 77.4
61 42.4 40.9 61.3



#33
Benzene
Concen: 17.509 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion: 78 Resp: 121514

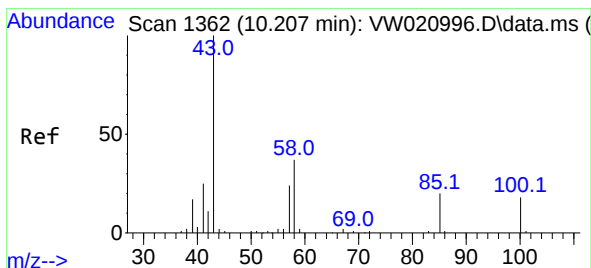
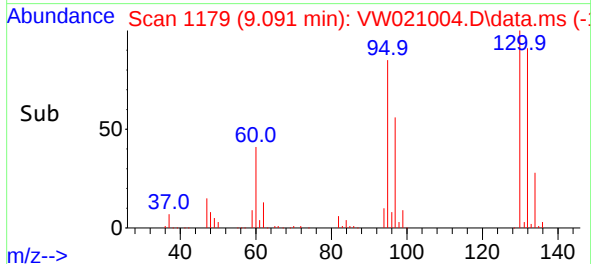
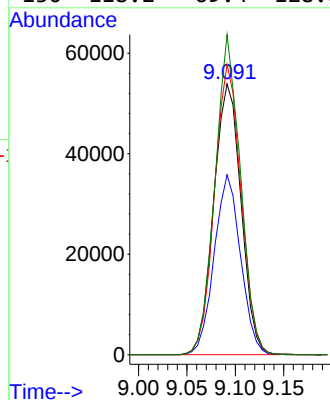
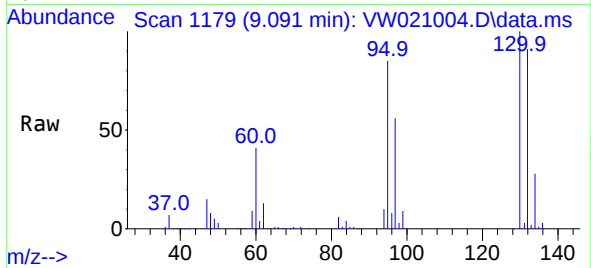




#34
Trichloroethene
Concen: 54.519 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

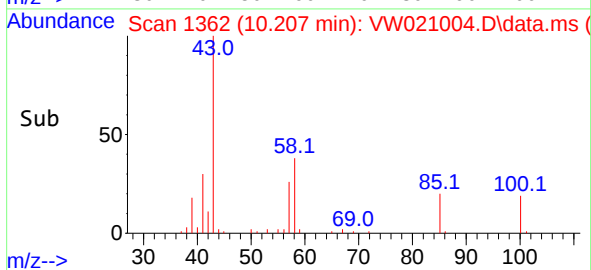
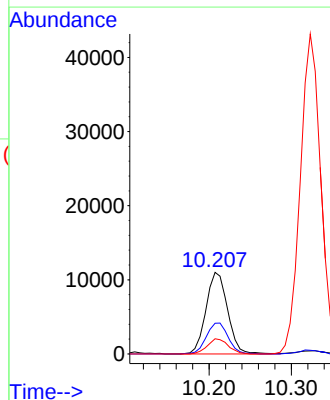
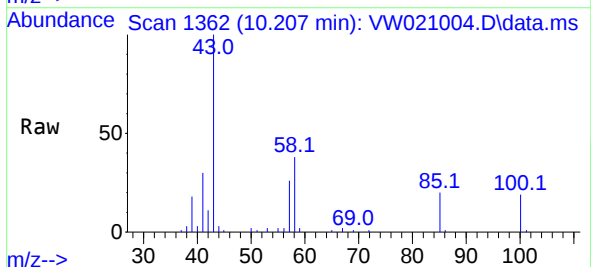
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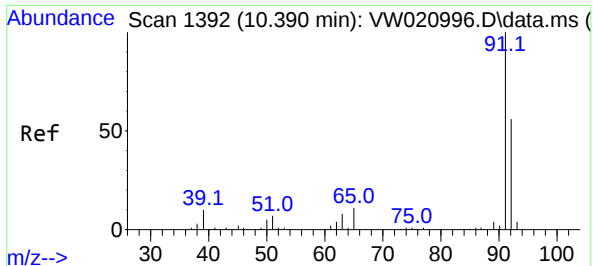
Tgt Ion: 95 Resp: 105831
Ion Ratio Lower Upper
95 100
97 66.5 47.0 87.2
132 107.3 65.5 121.6
130 118.2 69.4 128.8



#40
4-Methyl-2-pentanone
Concen: 20.924 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion: 43 Resp: 20115
Ion Ratio Lower Upper
43 100
58 38.1 28.8 43.2
100 17.9 10.0 15.0#

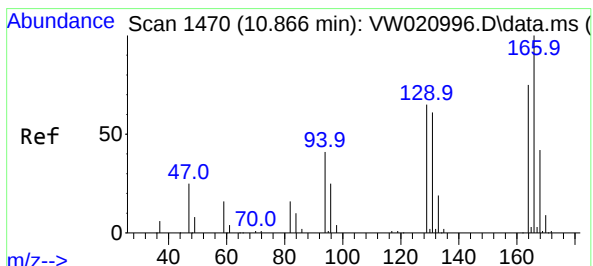
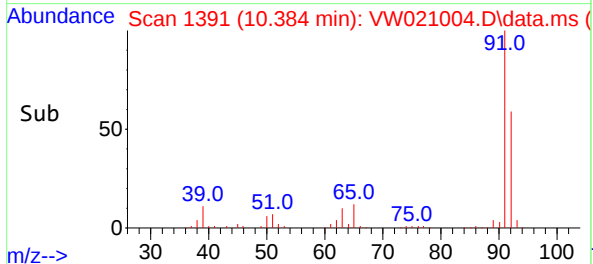
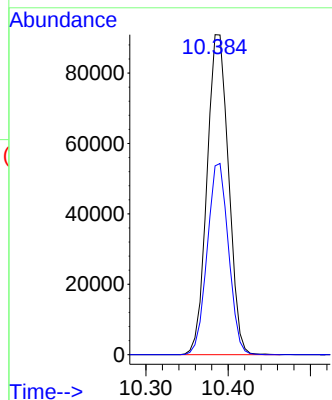
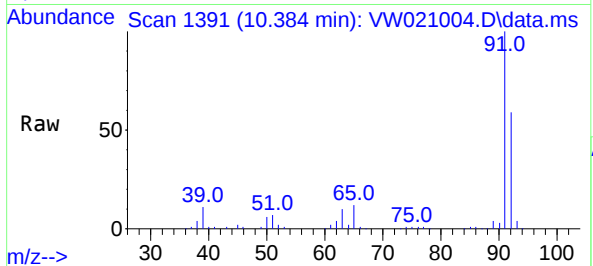




#42
Toluene
Concen: 21.251 ug/L
RT: 10.384 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

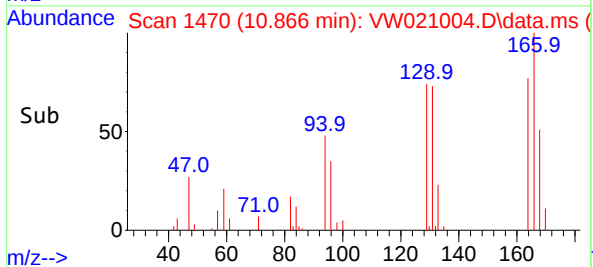
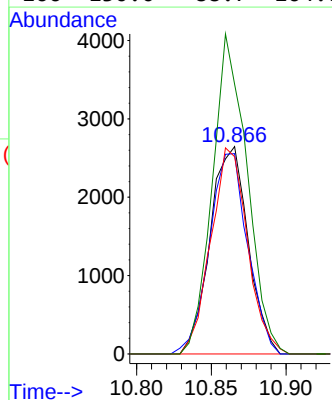
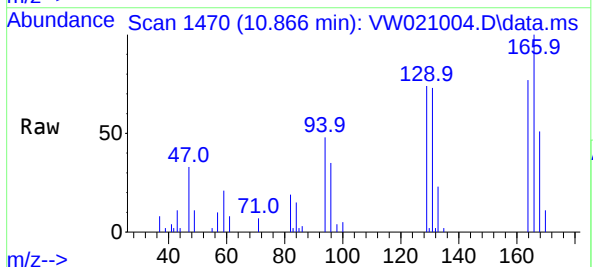
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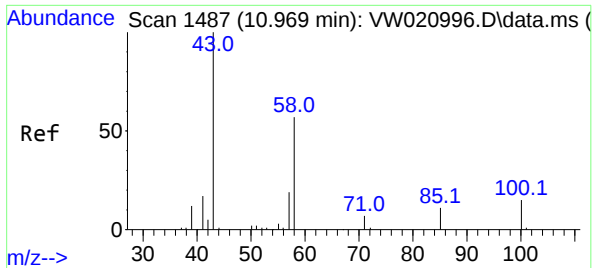
Tgt Ion: 91 Resp: 165891
Ion Ratio Lower Upper
91 100
92 59.0 41.7 77.5



#46
Tetrachloroethene
Concen: 2.625 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion:164 Resp: 4678
Ion Ratio Lower Upper
164 100
129 96.6 65.5 121.7
131 95.1 59.7 110.9
166 130.0 88.7 164.7



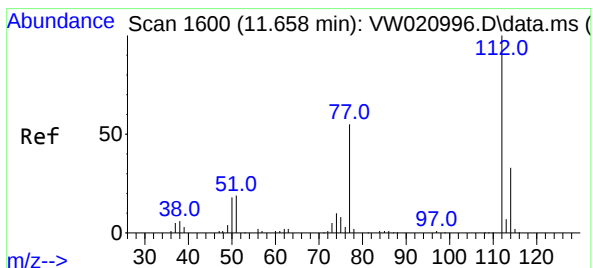
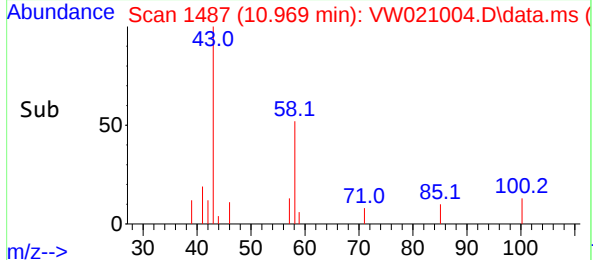
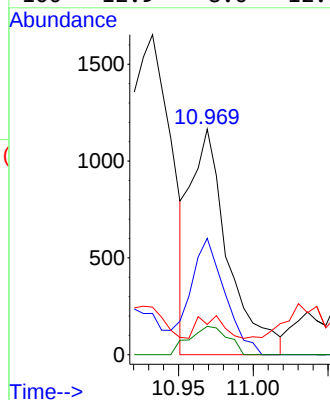
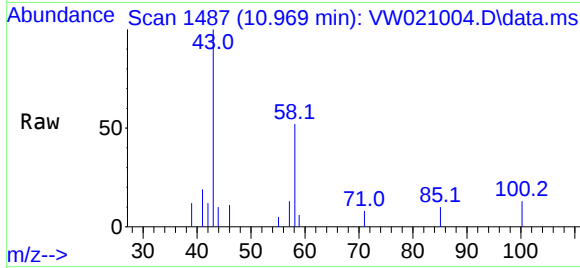


#48
2-Hexanone
Concen: 3.061 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

Tgt Ion: 43 Resp: 2038

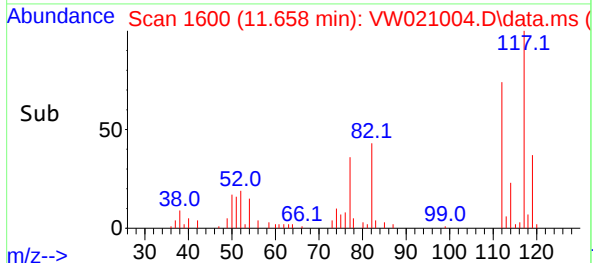
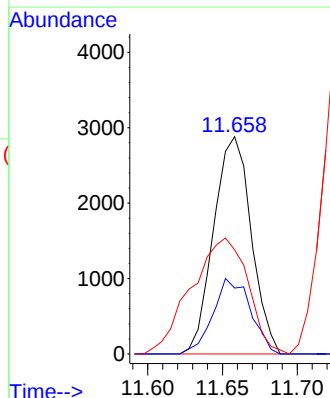
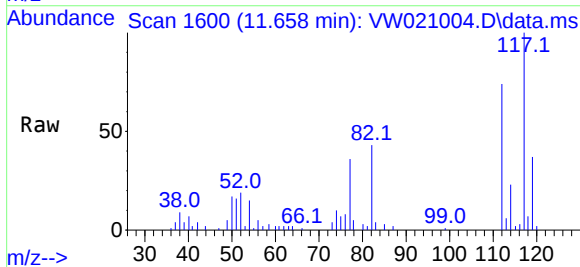
Ion	Ratio	Lower	Upper
43	100		
58	47.8	40.2	60.2
57	6.9	14.3	21.5#
100	12.9	8.0	12.0#

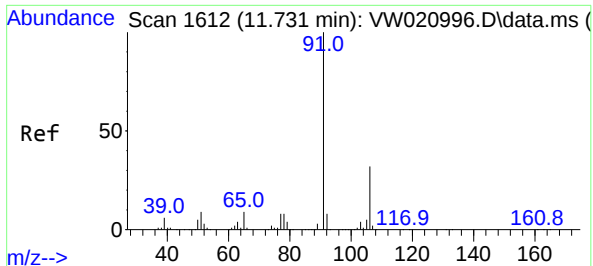


#51
Chlorobenzene
Concen: 0.972 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion: 112 Resp: 5044

Ion	Ratio	Lower	Upper
112	100		
114	30.3	22.4	41.6
77	48.0	50.2	75.4#

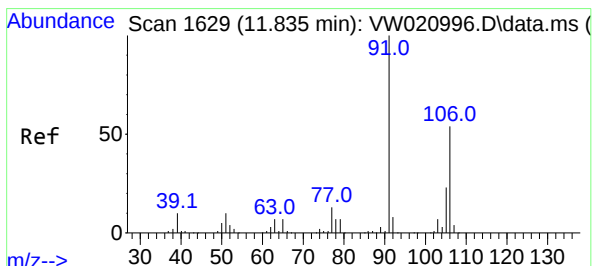
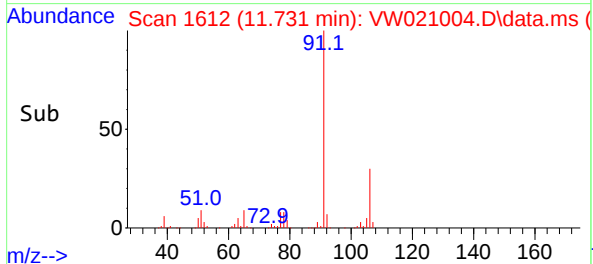
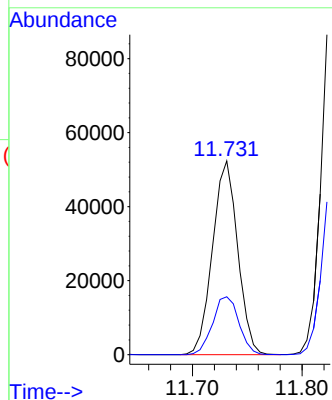
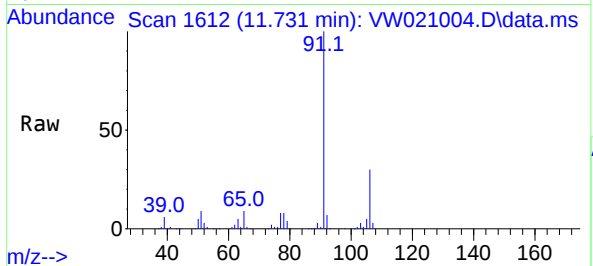




#52
Ethylbenzene
Concen: 9.669 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

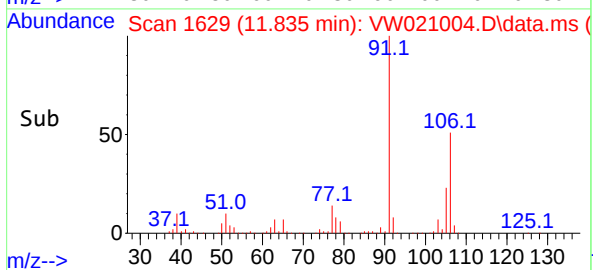
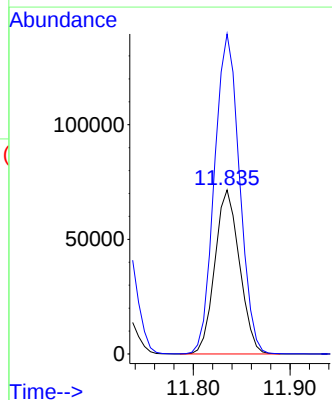
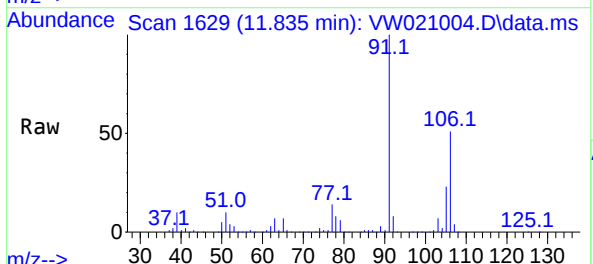
Instrument :
MSVOA_W
ClientSampleId :
BGKP5

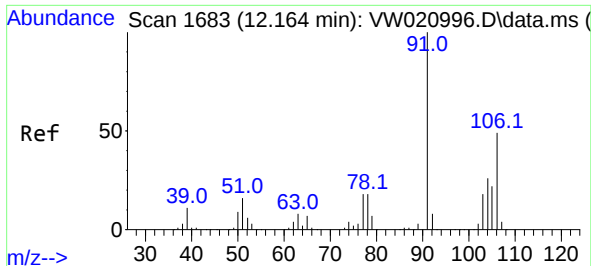
Tgt Ion: 91 Resp: 83640
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9



#53
m,p-Xylene
Concen: 35.929 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion:106 Resp: 126885
Ion Ratio Lower Upper
106 100
91 195.1 149.9 278.3

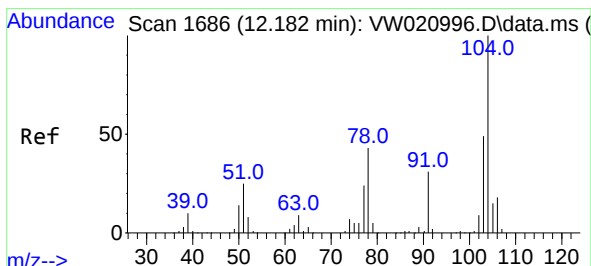
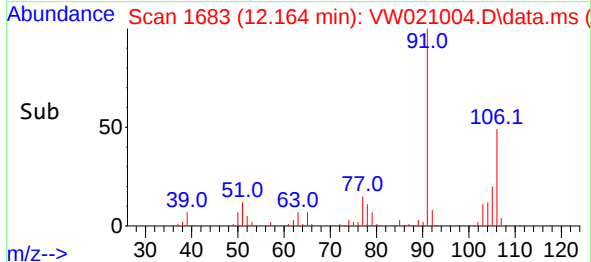
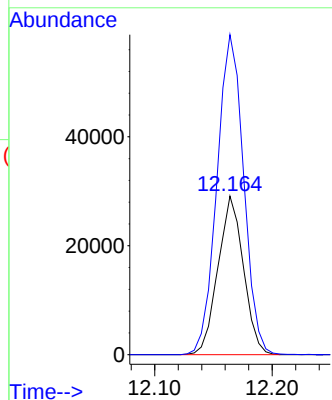
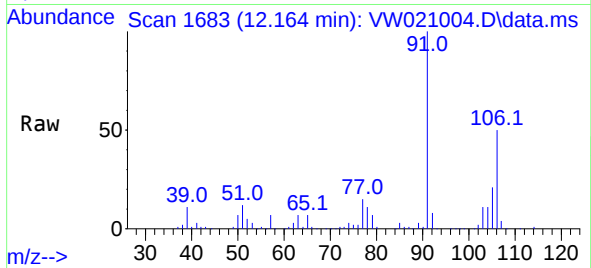




#54
o-Xylene
Concen: 12.926 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

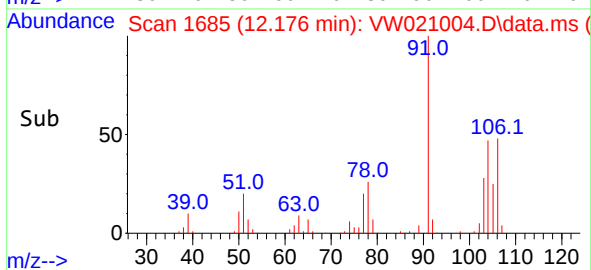
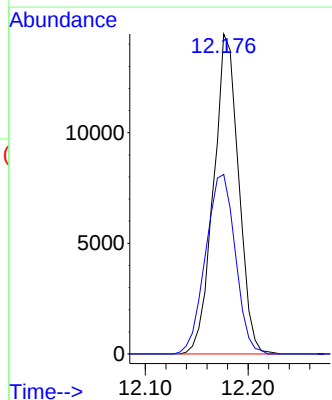
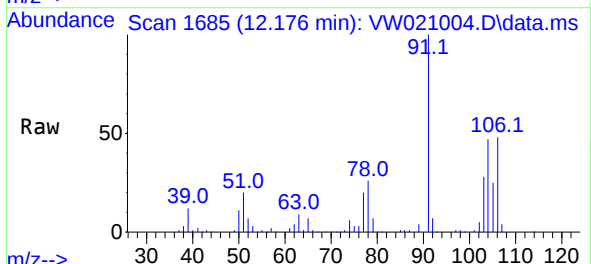
Instrument :
MSVOA_W
ClientSampleId :
BGKP5

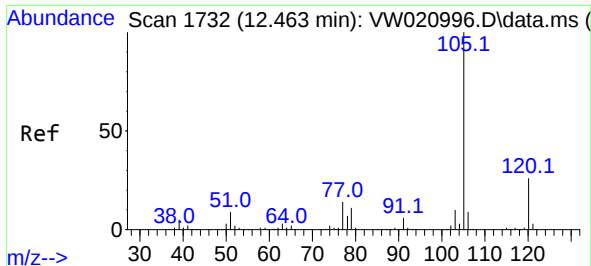
Tgt Ion:106 Resp: 43840
Ion Ratio Lower Upper
106 100
91 201.9 153.6 285.3



#55
Styrene
Concen: 4.333 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion:104 Resp: 24404
Ion Ratio Lower Upper
104 100
78 56.1 34.4 64.0

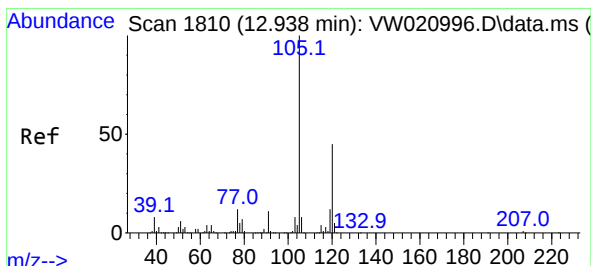
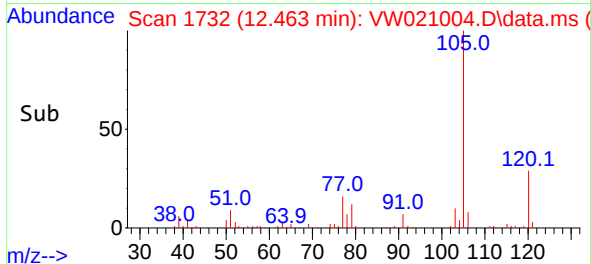
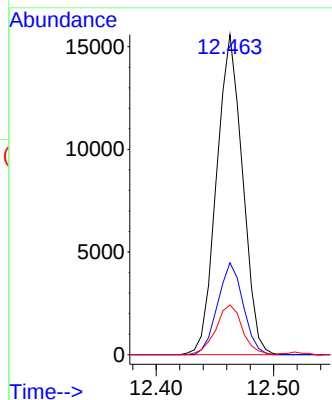
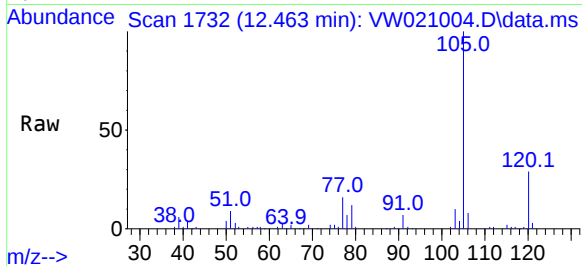




#60
Isopropylbenzene
Concen: 2.549 ug/L
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

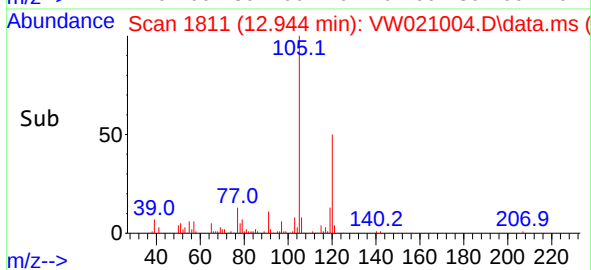
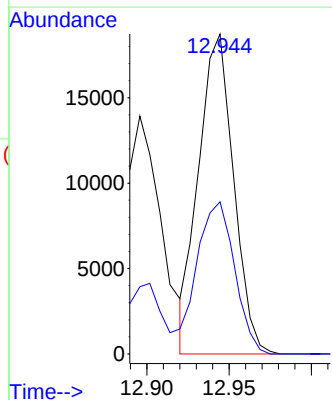
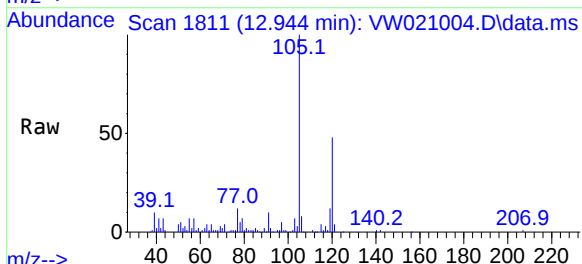
Instrument :
MSVOA_W
ClientSampleId :
BGKP5

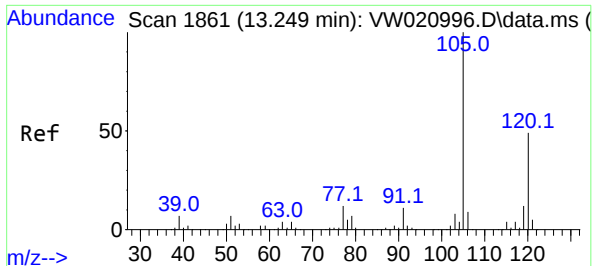
Tgt Ion:105 Resp: 24009
Ion Ratio Lower Upper
105 100
120 28.1 20.1 30.1
77 15.8 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 3.489 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion:105 Resp: 27723
Ion Ratio Lower Upper
105 100
120 52.2 37.4 56.2

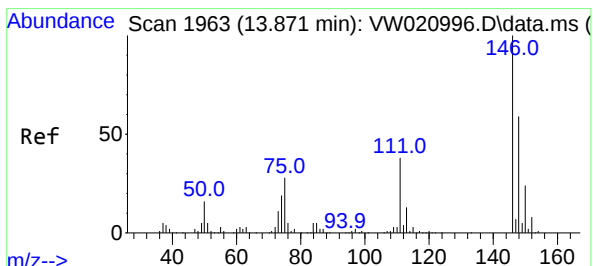
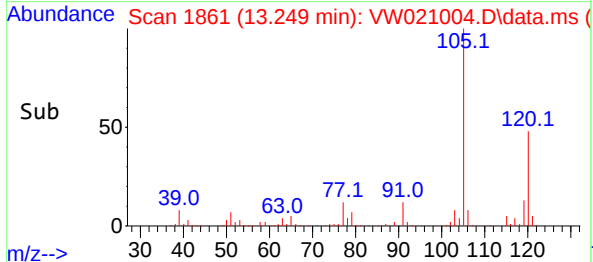
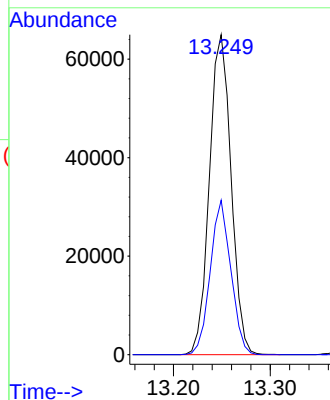
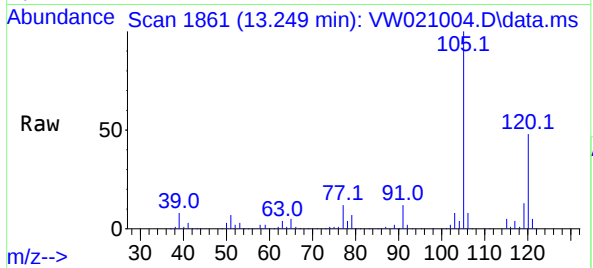




#63
1,2,4-Trimethylbenzene
Concen: 12.931 ug/L
RT: 13.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

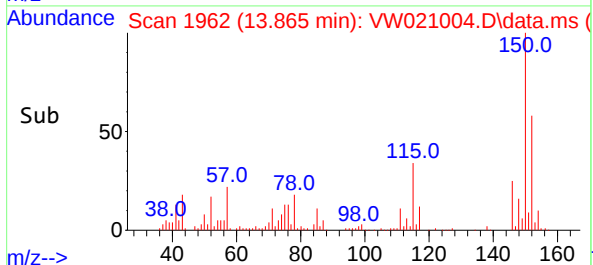
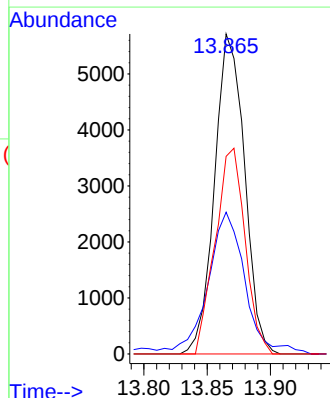
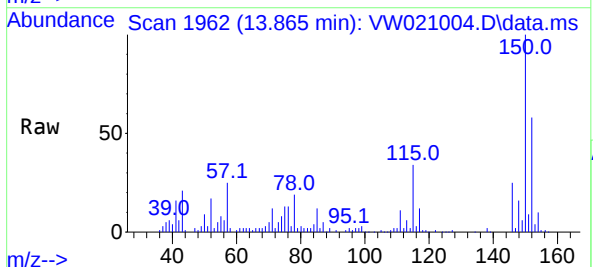
Instrument :
MSVOA_W
ClientSampleId :
BGKP5

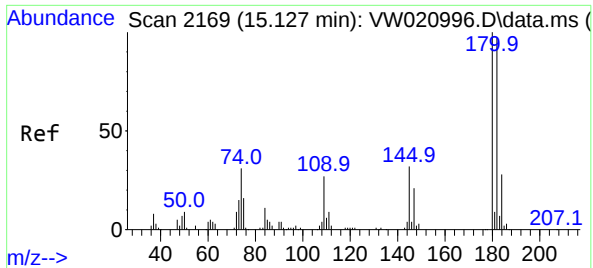
Tgt Ion:105 Resp: 101378
Ion Ratio Lower Upper
105 100
120 45.8 35.0 52.6



#67
1,2-Dichlorobenzene
Concen: 2.419 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

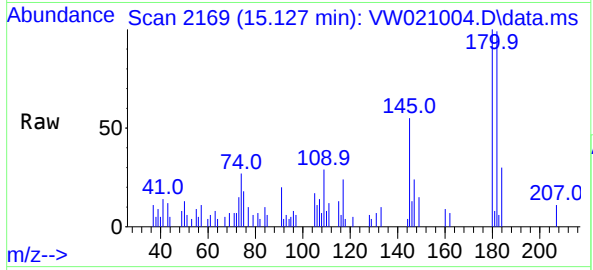
Tgt Ion:146 Resp: 9412
Ion Ratio Lower Upper
146 100
111 44.3 33.1 49.7
148 61.8 47.4 71.2





#70
1,2,4-trichlorobenzene
Concen: 0.787 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Instrument :
MSVOA_W
ClientSampleId :
BGKP5



Tgt Ion:180 Resp: 2251

Ion	Ratio	Lower	Upper
180	100		
182	95.3	79.0	118.6
145	33.8	26.0	39.0

