

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
 Data File : VW021225.D
 Acq On : 08 Dec 2021 13:18
 Operator : SY/VA
 Sample : M4960-06
 Misc : 6.16g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGKS1

Quant Time: Dec 08 23:01:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 08 22:58:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/L	-8.85
28) Chlorobenzene-d5	11.633	117	366	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	341	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	0.000	65	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	0.000	63	0	0.000	ug/L	
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.000%#
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
24) Chloroform-d	0.000	84	0	0.000	ug/L	
Spiked Amount	25.000	Range	40 - 150	Recovery	=	0.000%#
26) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/L	
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.000%#
32) Benzene-d6	0.000	84	0	0.000	ug/L	
Spiked Amount	25.000	Range	20 - 135	Recovery	=	0.000%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	25.000	Range	70 - 120	Recovery	=	0.000%#
41) Toluene-d8	10.323	98	26	1.355	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	5.400%#
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.000%#
47) 2-Hexanone-d5	10.981	63	42	42.211	ug/L	0.06
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.420%
56) 1,1,2,2-Tetrachloroeth...	0.000	84	0	0.000	ug/L	
Spiked Amount	25.000	Range	45 - 120	Recovery	=	0.000%#
66) 1,2-Dichlorobenzene-d4	13.859	152	841	68.833	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	275.320%#
Target Compounds						
					Qvalue	
33) Benzene	8.323	78	15791	758.702	ug/L	100
34) Trichloroethene	9.097	95	51	8.882	ug/L #	61
35) Methylcyclohexane	9.341	83	64	6.622	ug/L #	55
40) 4-Methyl-2-pentanone	10.207	43	454	141.669	ug/L #	78
42) Toluene	10.384	91	677	28.478	ug/L	89
45) 1,1,2-Trichloroethane	10.768	97	20	5.071	ug/L #	14
48) 2-Hexanone	10.932	43	541	234.020	ug/L #	42
49) Dibromochloromethane	11.286	129	31	6.289	ug/L	89
51) Chlorobenzene	11.652	112	369	23.230	ug/L #	73
52) Ethylbenzene	11.731	91	1635	61.093	ug/L #	81
53) m,p-Xylene	11.847	106	2263	204.404	ug/L	99
54) o-Xylene	12.170	106	695	66.582	ug/L	65
55) Styrene	12.170	104	50	2.811	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.731	83	42	8.854	ug/L #	1
59) Bromoform	12.377	173	34	6.992	ug/L #	1
60) Isopropylbenzene	12.463	105	2700	56.973	ug/L #	86
61) 1,2,3-Trichloropropane	12.816	75	26	4.552	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.938	105	983	24.769	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	4688	117.448	ug/L	90

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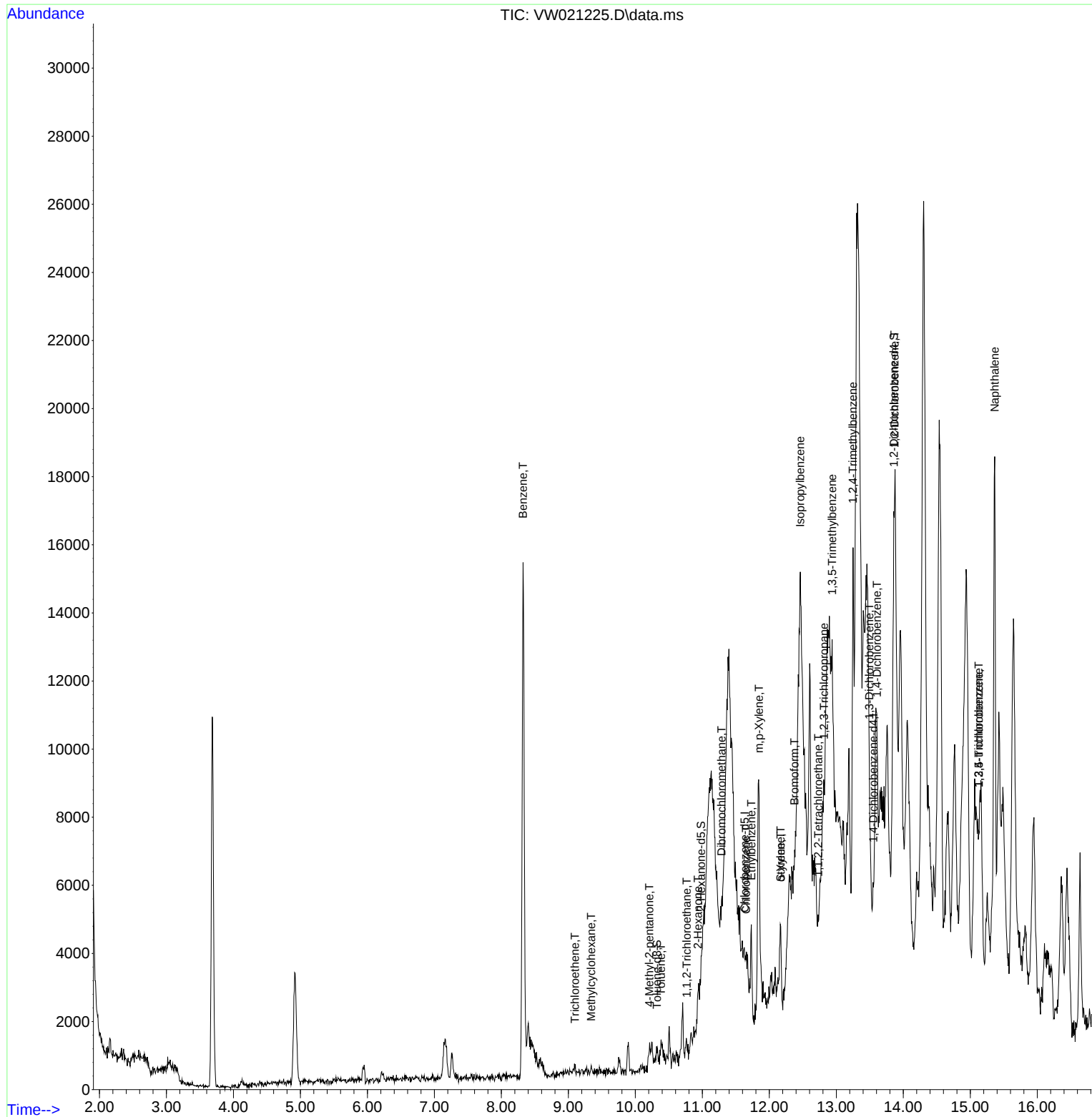
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	13.493	146	117	5.243	ug/L #	58
65) 1,4-Dichlorobenzene	13.609	146	73	3.237	ug/L #	18
67) 1,2-Dichlorobenzene	13.871	146	769	38.705	ug/L #	88
69) 1,3,5-Trichlorobenzene	15.127	180	398	24.269	ug/L #	42
70) 1,2,4-trichlorobenzene	15.127	180	398	29.534	ug/L #	41
71) Naphthalene	15.364	128	12292	490.663	ug/L #	96

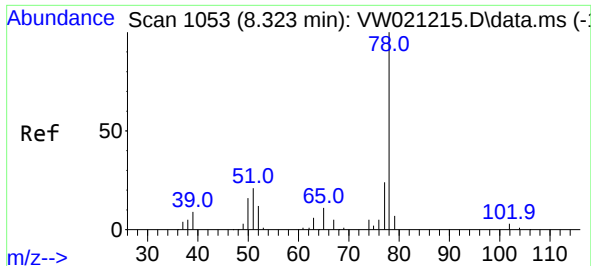
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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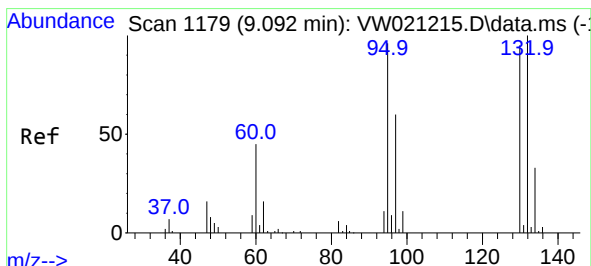
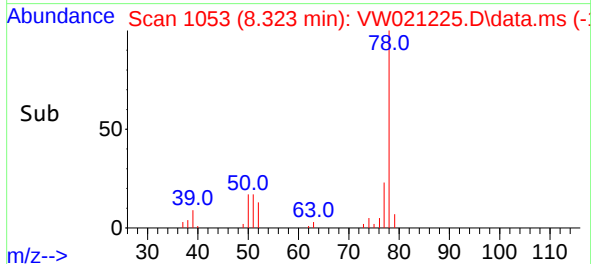
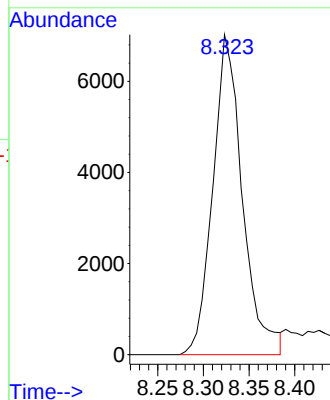
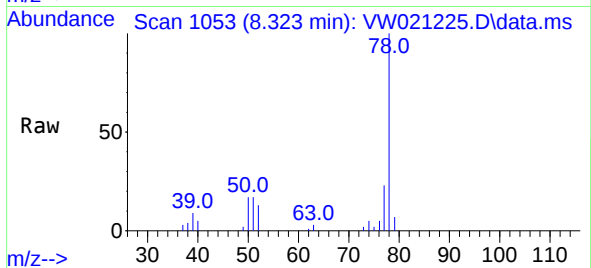




#33
Benzene
Concen: 758.702 ug/L
RT: 8.323 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

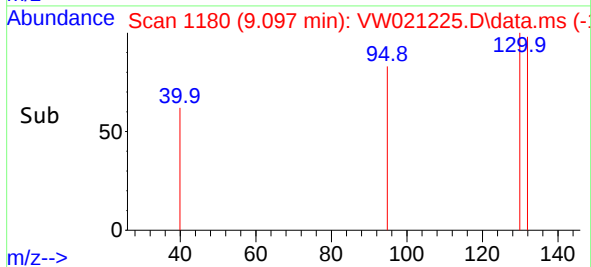
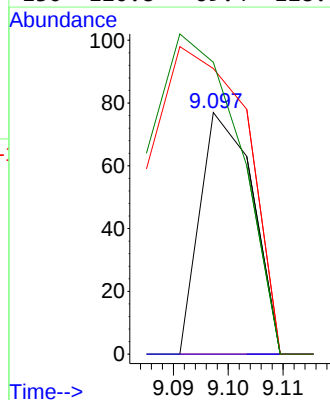
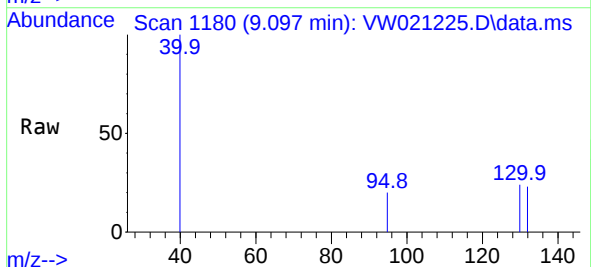
Instrument :
MSVOA_W
ClientSampleId :
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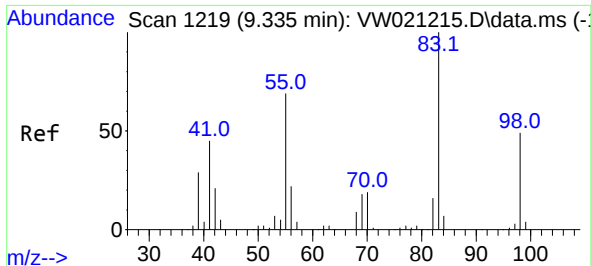
Tgt Ion: 78 Resp: 15791



#34
Trichloroethene
Concen: 8.882 ug/L
RT: 9.097 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

Tgt Ion: 95 Resp: 51
Ion Ratio Lower Upper
95 100
97 0.0 47.0 87.2#
132 118.2 65.5 121.6
130 120.8 69.4 128.8

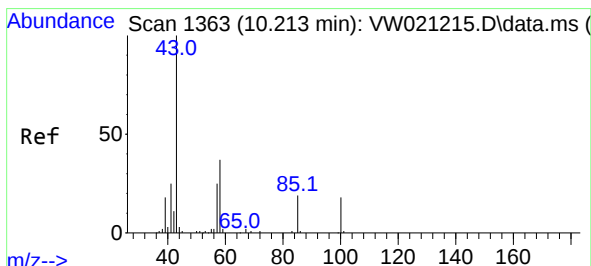
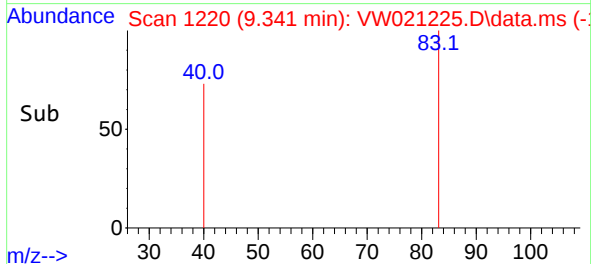
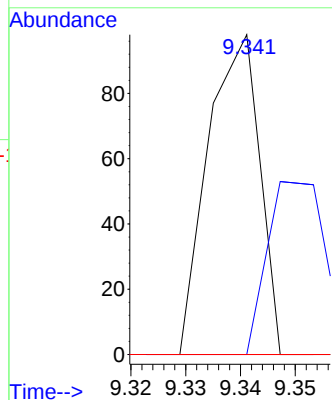
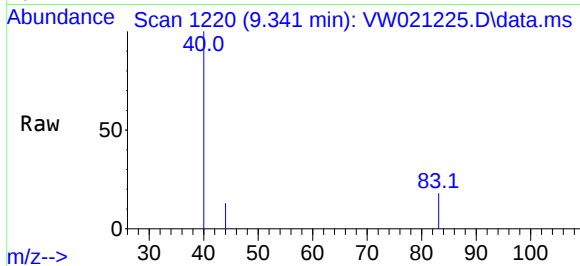




#35
Methylcyclohexane
Concen: 6.622 ug/L
RT: 9.341 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

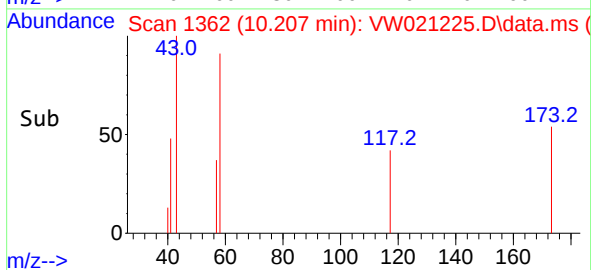
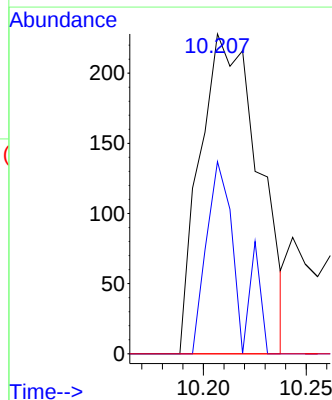
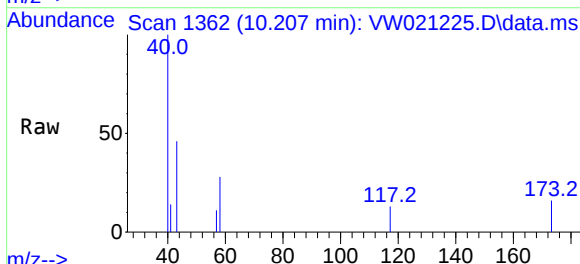
Instrument :
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ClientSampleId :
BGKS1

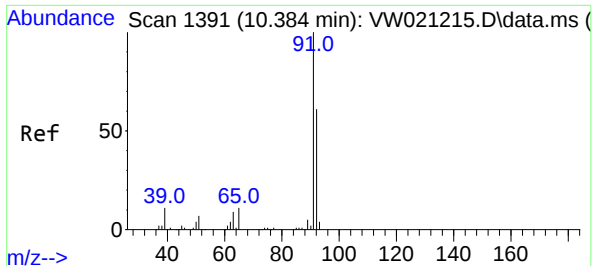
Tgt Ion: 83 Resp: 64
Ion Ratio Lower Upper
83 100
55 59.4 70.8 106.2#
98 0.0 37.7 56.5#



#40
4-Methyl-2-pentanone
Concen: 141.669 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. -0.007 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

Tgt Ion: 43 Resp: 454
Ion Ratio Lower Upper
43 100
58 25.3 28.8 43.2#
100 0.0 10.0 15.0#

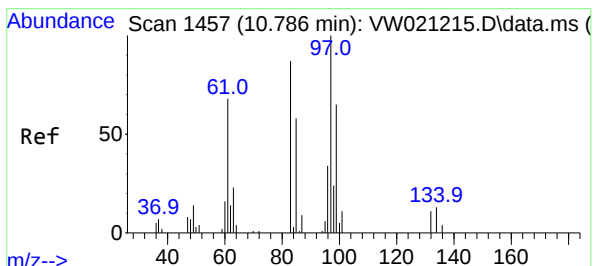
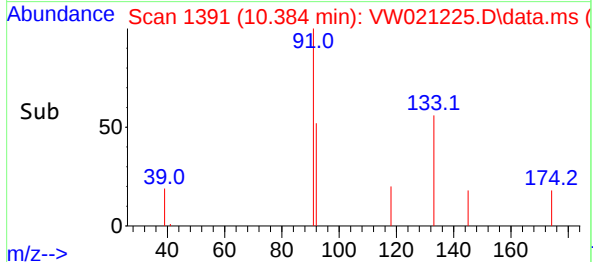
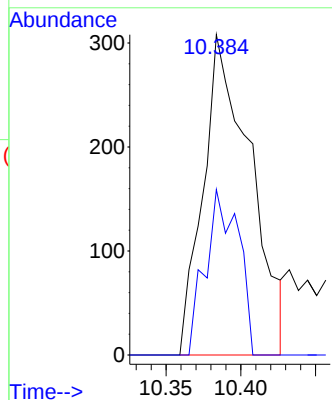
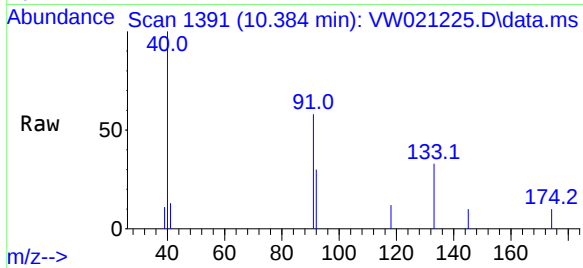




#42
Toluene
Concen: 28.478 ug/L
RT: 10.384 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

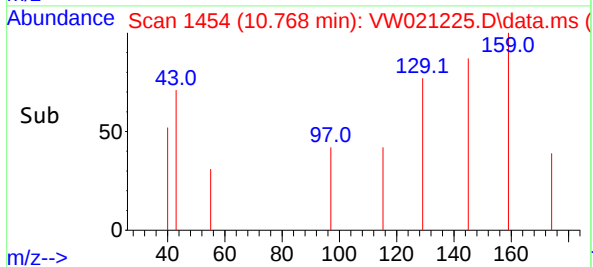
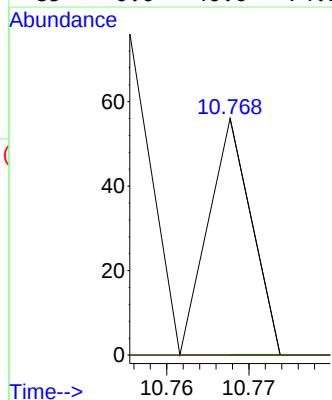
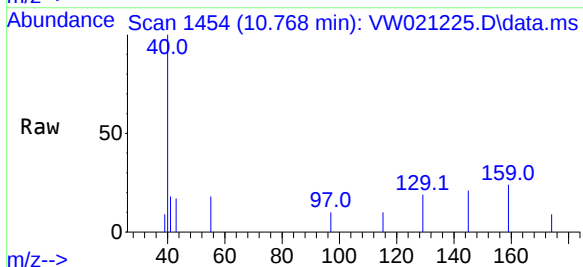
Instrument :
MSVOA_W
ClientSampleId :
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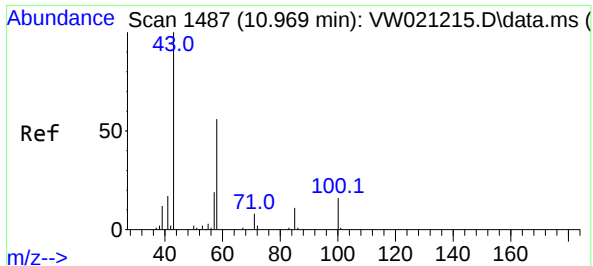
Tgt Ion: 91 Resp: 677
Ion Ratio Lower Upper
91 100
92 51.6 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 5.071 ug/L
RT: 10.768 min Scan# 1454
Delta R.T. -0.019 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

Tgt Ion: 97 Resp: 20
Ion Ratio Lower Upper
97 100
99 0.0 43.0 79.8#
83 0.0 62.6 116.3#
85 0.0 40.0 74.2#





#48

2-Hexanone

Concen: 234.020 ug/L

RT: 10.932 min Scan# 1481

Delta R.T. -0.037 min

Lab File: VW021225.D

Acq: 08 Dec 2021 13:18

Instrument :

MSVOA_W

ClientSampleId :

BGKS1

Tgt Ion: 43 Resp: 541

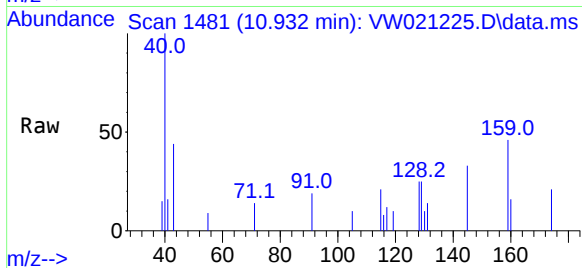
Ion Ratio Lower Upper

43 100

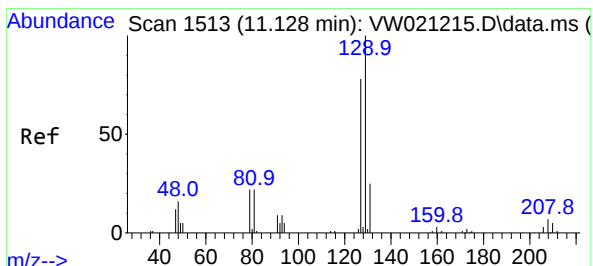
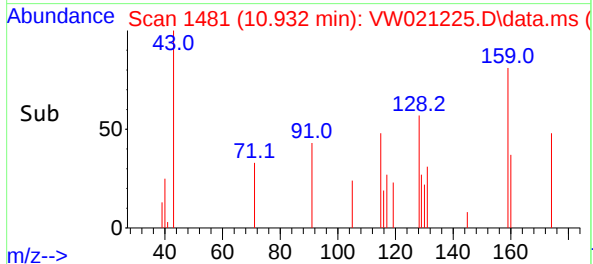
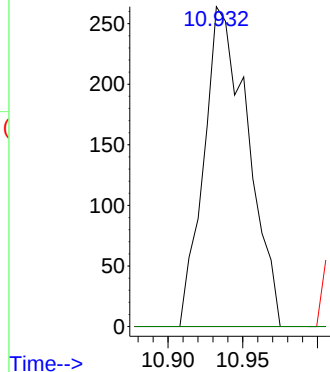
58 0.0 40.2 60.2#

57 3.7 14.3 21.5#

100 0.0 8.0 12.0#



Abundance



#49

Dibromochloromethane

Concen: 6.289 ug/L

RT: 11.286 min Scan# 1539

Delta R.T. 0.158 min

Lab File: VW021225.D

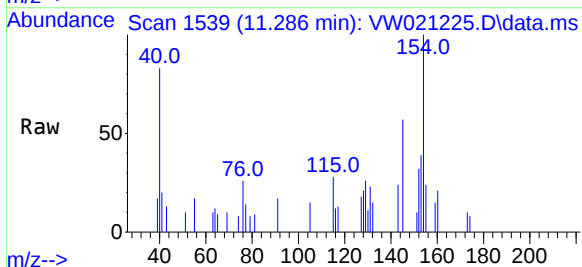
Acq: 08 Dec 2021 13:18

Tgt Ion:129 Resp: 31

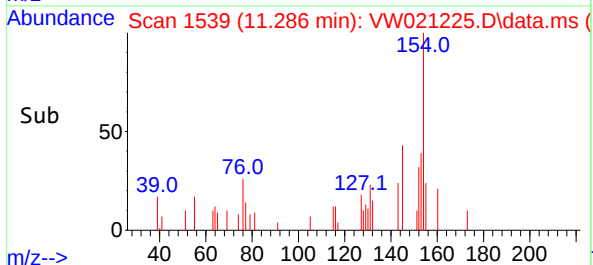
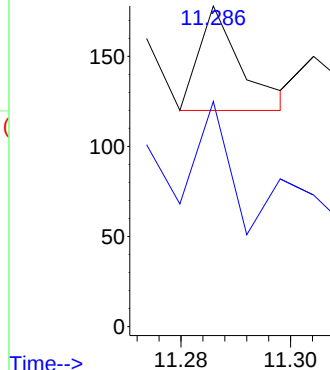
Ion Ratio Lower Upper

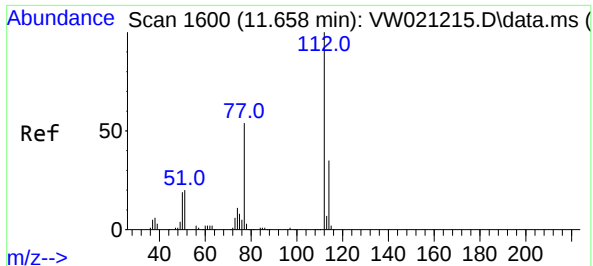
129 100

127 70.2 55.7 103.5



Abundance

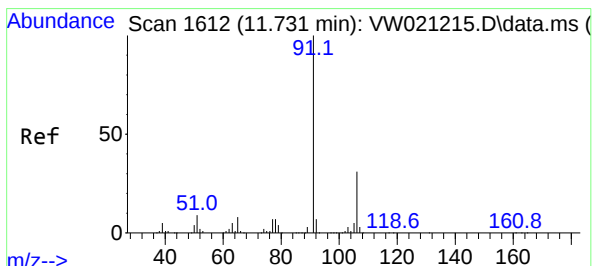
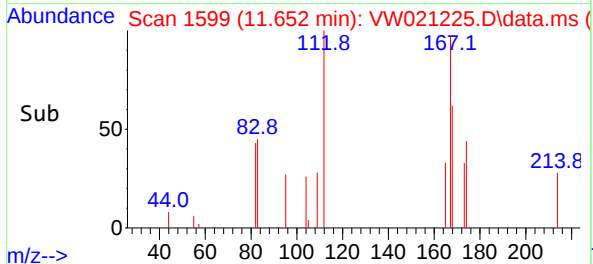
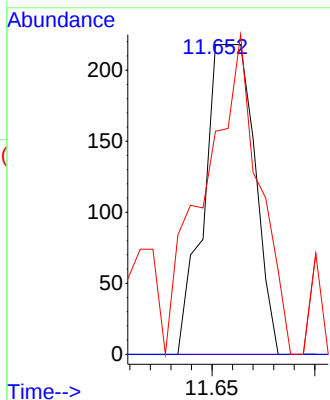
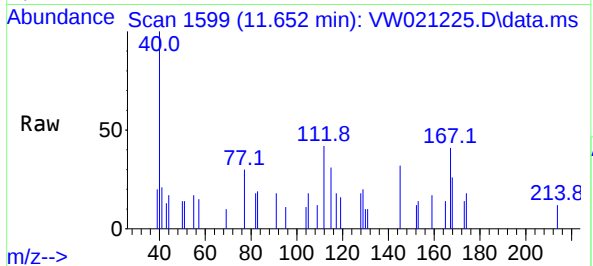




#51
Chlorobenzene
Concen: 23.230 ug/L
RT: 11.652 min Scan# 11
Delta R.T. -0.007 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

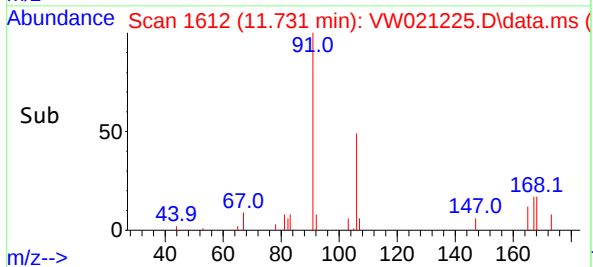
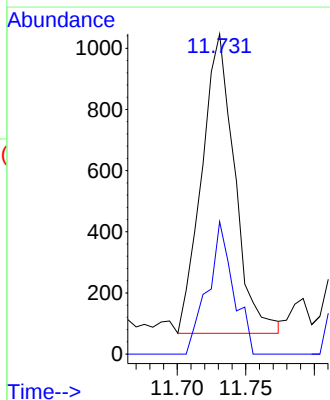
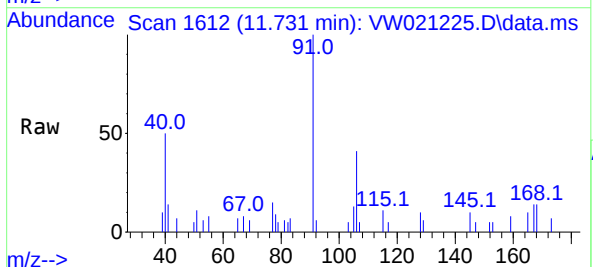
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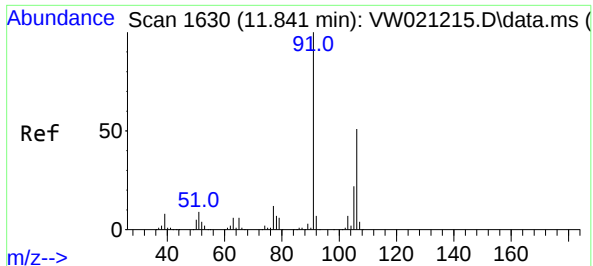
Tgt Ion:112 Resp: 369
Ion Ratio Lower Upper
112 100
114 0.0 22.4 41.6#
77 72.0 50.2 75.4



#52
Ethylbenzene
Concen: 61.093 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

Tgt Ion: 91 Resp: 1635
Ion Ratio Lower Upper
91 100
106 41.4 21.5 39.9#

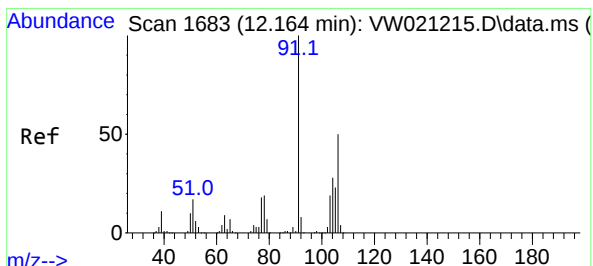
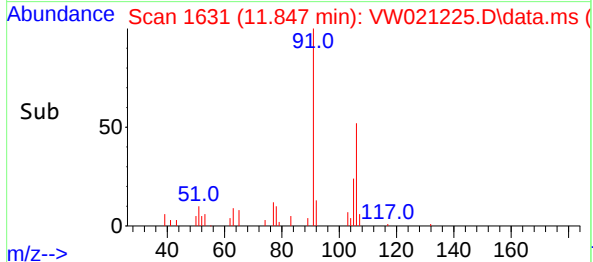
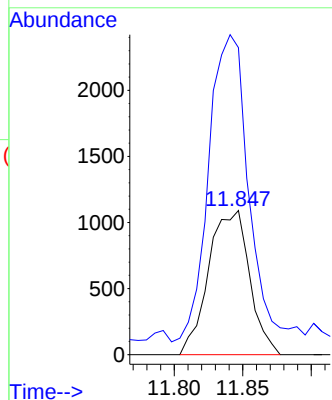
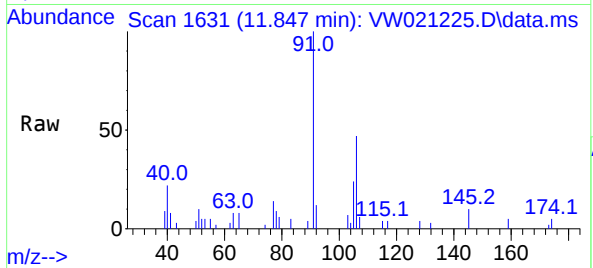




#53
m,p-Xylene
Concen: 204.404 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

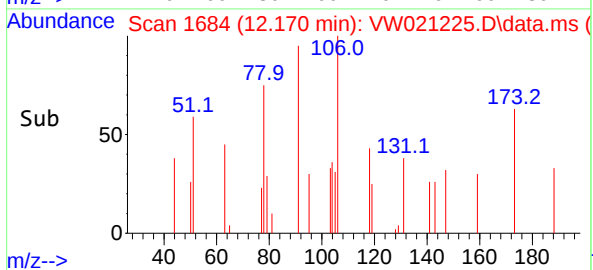
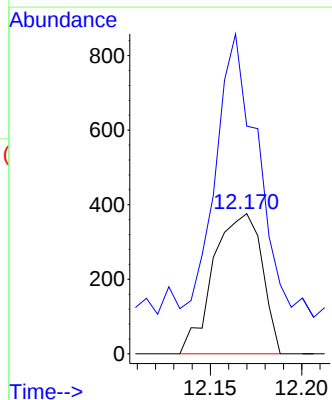
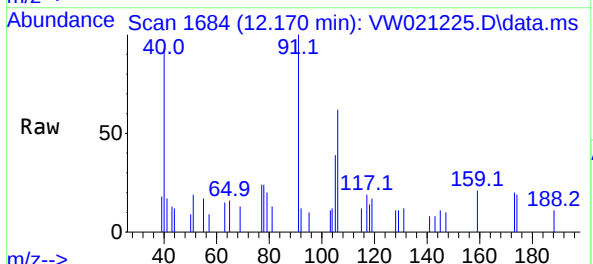
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ClientSampleId :
BGKS1

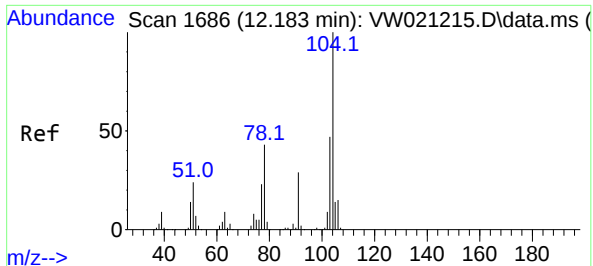
Tgt Ion:106 Resp: 2263
Ion Ratio Lower Upper
106 100
91 212.9 149.9 278.3



#54
o-Xylene
Concen: 66.582 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

Tgt Ion:106 Resp: 695
Ion Ratio Lower Upper
106 100
91 162.5 153.6 285.3

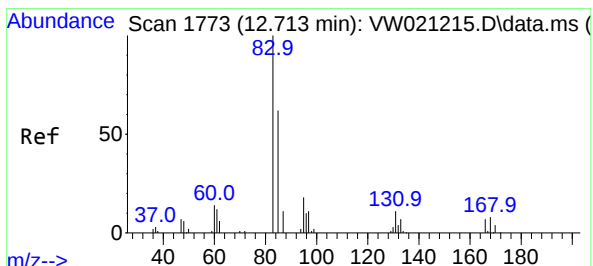
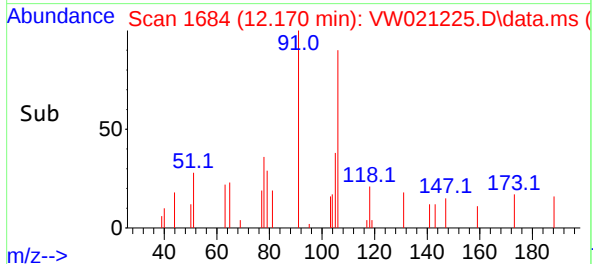
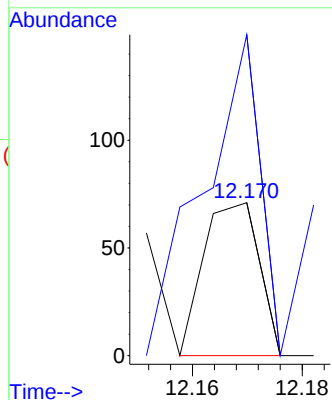
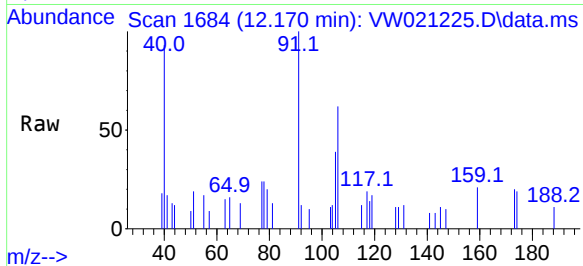




#55
Styrene
Concen: 2.811 ug/L
RT: 12.170 min Scan# 1
Delta R.T. -0.013 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

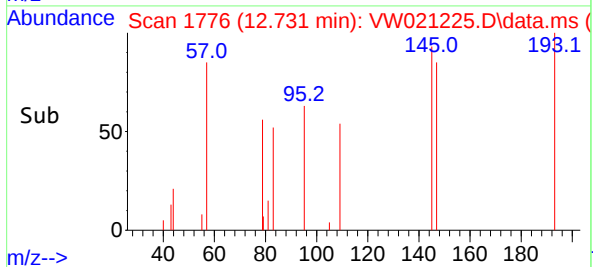
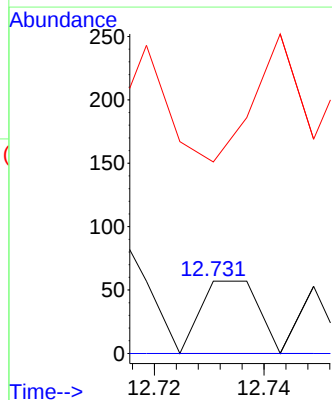
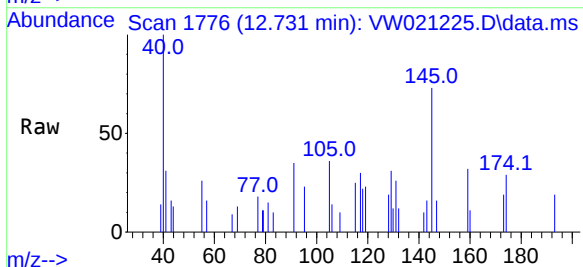
Instrument :
MSVOA_W
ClientSampleId :
BGKS1

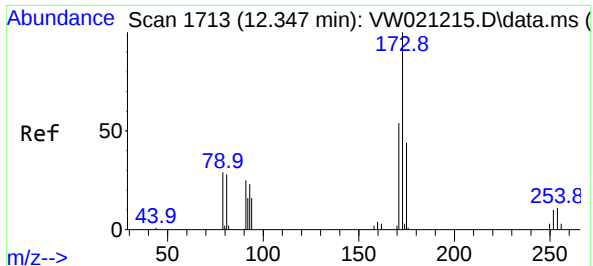
Tgt Ion:104 Resp: 50
Ion Ratio Lower Upper
104 100
78 209.9 34.4 64.0#



#57
1,1,2,2-Tetrachloroethane
Concen: 8.854 ug/L
RT: 12.731 min Scan# 1776
Delta R.T. 0.018 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

Tgt Ion: 83 Resp: 42
Ion Ratio Lower Upper
83 100
85 0.0 44.0 81.6#
131 264.9 6.9 10.3#





#59

Bromoform

Concen: 6.992 ug/L

RT: 12.377 min Scan# 1718

Delta R.T. 0.030 min

Lab File: VW021225.D

Acq: 08 Dec 2021 13:18

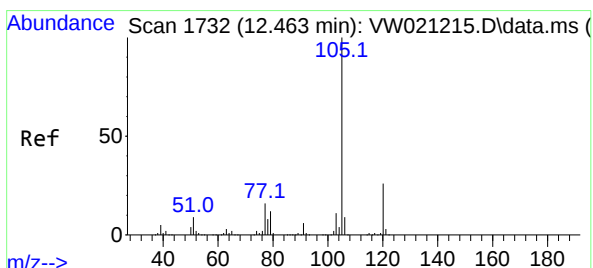
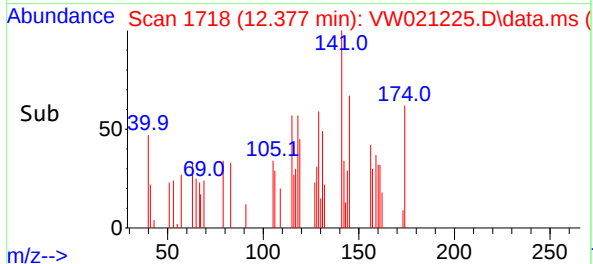
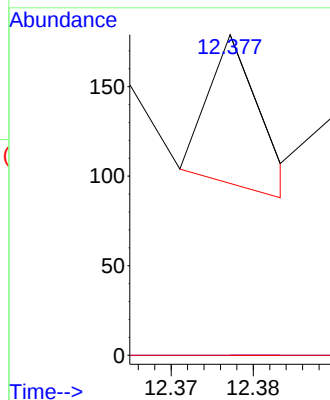
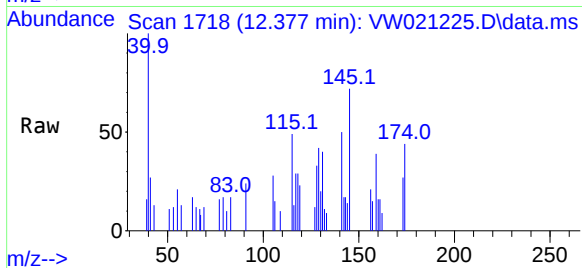
Instrument :

MSVOA_W

ClientSampleId :

BGKS1

Tgt Ion:173	Resp:	34
Ion Ratio	Lower	Upper
173	100	
175	135.3	39.6 59.4#
254	0.0	7.4 11.0#



#60

Isopropylbenzene

Concen: 56.973 ug/L

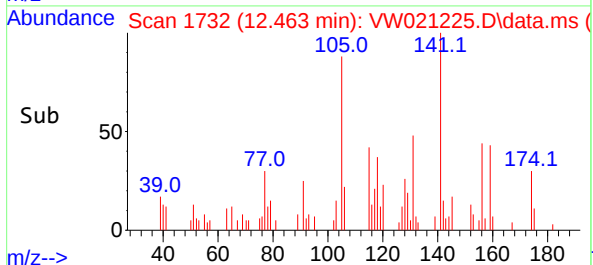
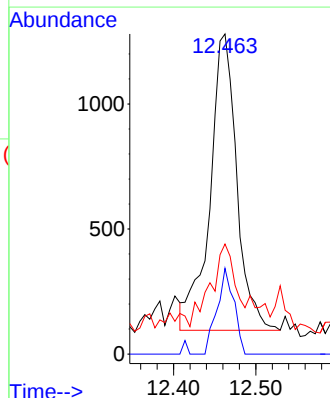
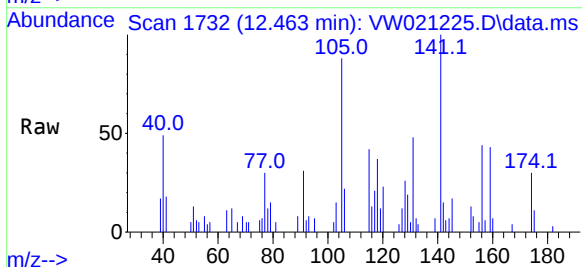
RT: 12.463 min Scan# 1732

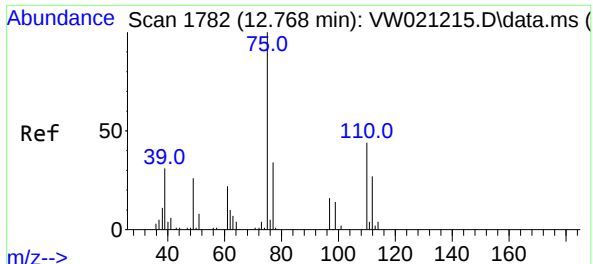
Delta R.T. -0.000 min

Lab File: VW021225.D

Acq: 08 Dec 2021 13:18

Tgt Ion:105	Resp:	2700
Ion Ratio	Lower	Upper
105	100	
120	18.2	20.1 30.1#
77	11.3	13.8 20.8#





#61

1,2,3-Trichloropropane

Concen: 4.552 ug/L

RT: 12.816 min Scan# 11

Delta R.T. 0.048 min

Lab File: VW021225.D

Acq: 08 Dec 2021 13:18

Instrument :

MSVOA_W

ClientSampleId :

BGKS1

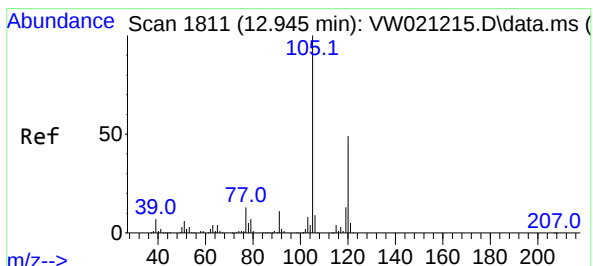
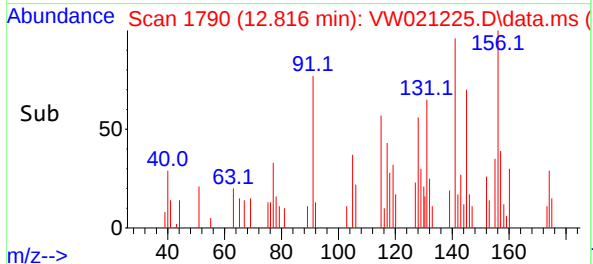
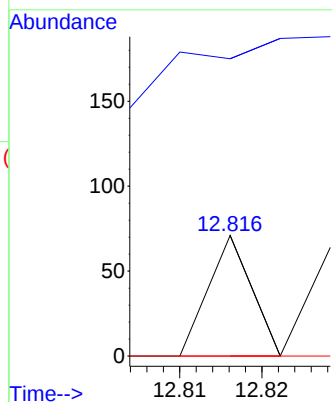
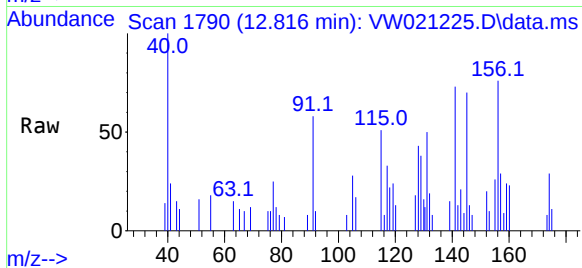
Tgt Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

77 238.5 25.8 38.8#

110 0.0 29.0 43.4#



#62

1,3,5-Trimethylbenzene

Concen: 24.769 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.007 min

Lab File: VW021225.D

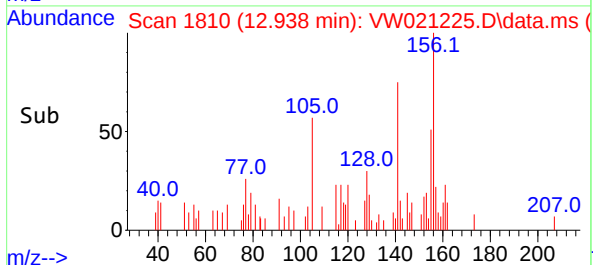
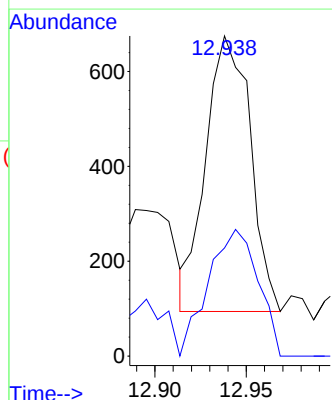
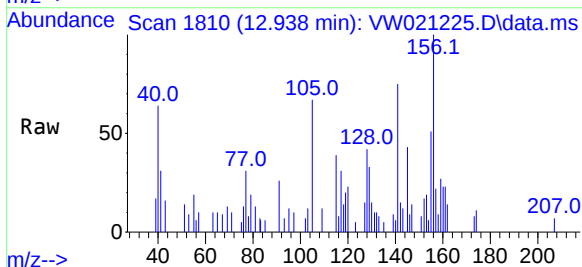
Acq: 08 Dec 2021 13:18

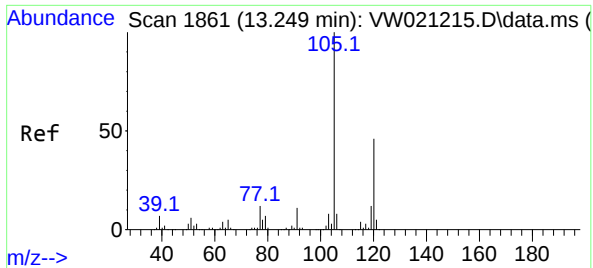
Tgt Ion:105 Resp: 983

Ion Ratio Lower Upper

105 100

120 51.5 37.4 56.2

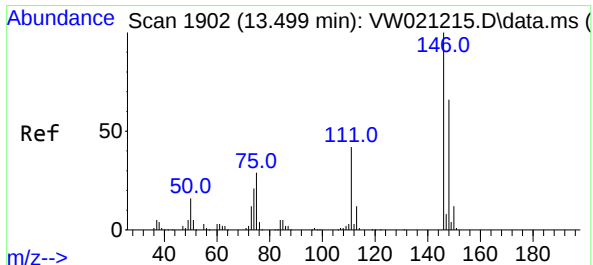
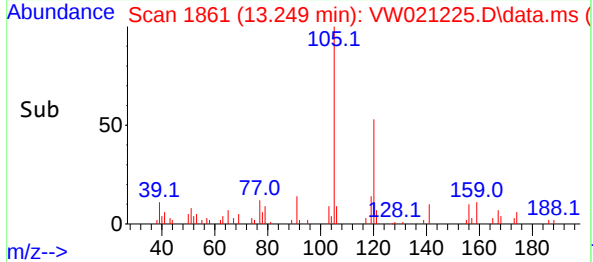
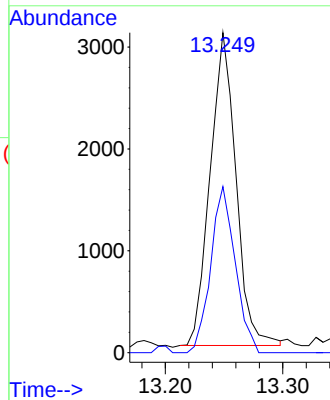
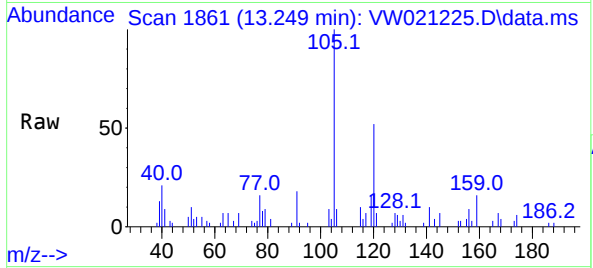




#63
1,2,4-Trimethylbenzene
Concen: 117.448 ug/L
RT: 13.249 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

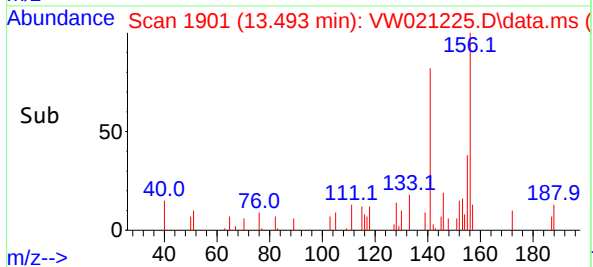
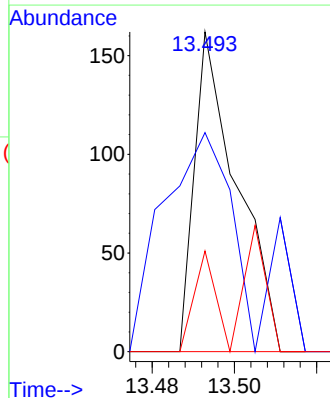
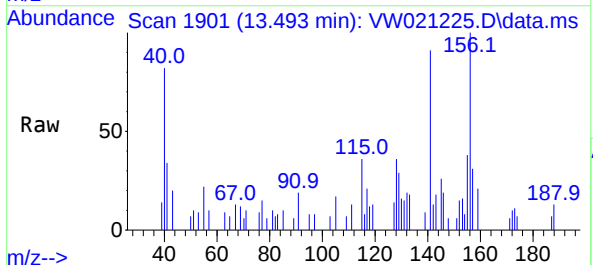
Instrument :
MSVOA_W
ClientSampleId :
BGKS1

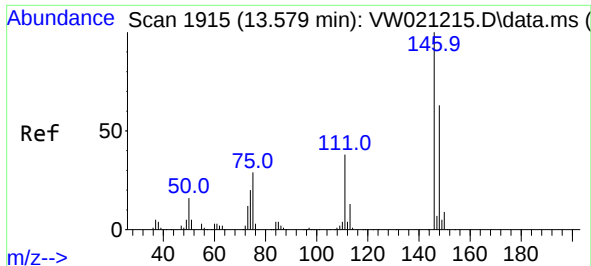
Tgt Ion:105 Resp: 4688
Ion Ratio Lower Upper
105 100
120 50.3 35.0 52.6



#64
1,3-Dichlorobenzene
Concen: 5.243 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.007 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

Tgt Ion:146 Resp: 117
Ion Ratio Lower Upper
146 100
111 68.5 29.8 55.3#
148 31.5 46.2 85.8#

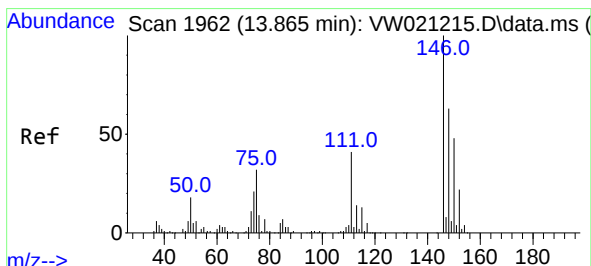
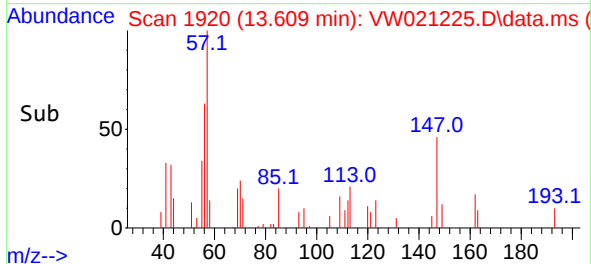
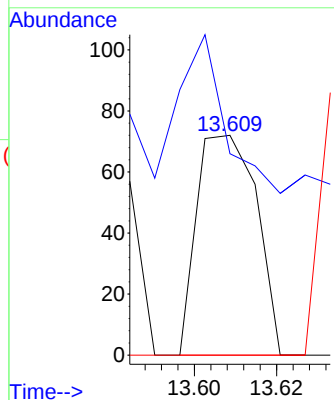
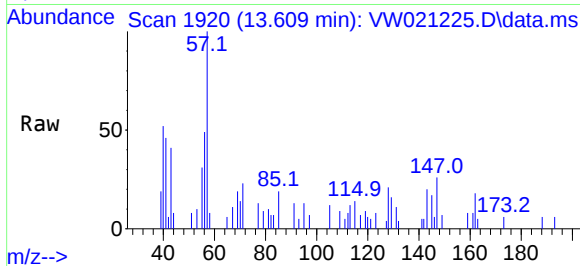




#65
1,4-Dichlorobenzene
Concen: 3.237 ug/L
RT: 13.609 min Scan# 1915
Delta R.T. 0.030 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

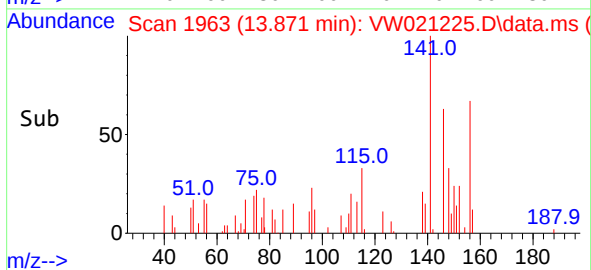
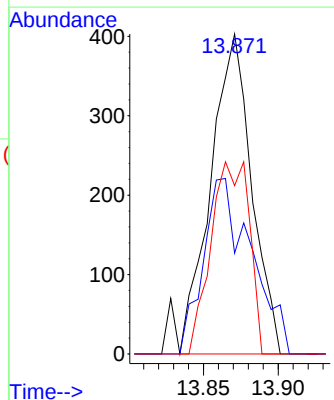
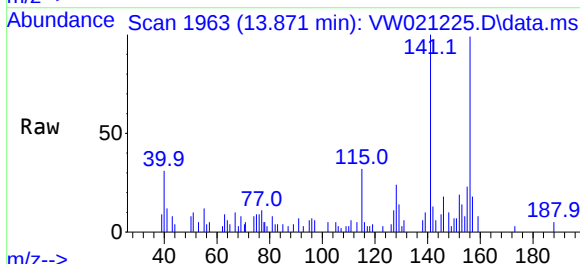
Instrument :
MSVOA_W
ClientSampleId :
BGKS1

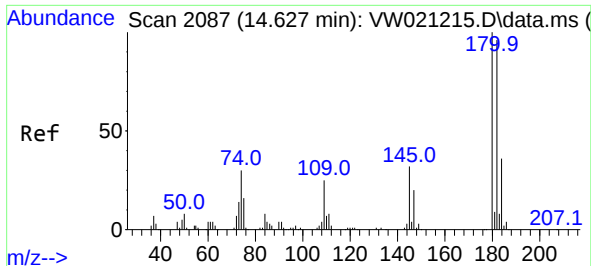
Tgt Ion:146 Resp: 73
Ion Ratio Lower Upper
146 100
111 91.7 29.0 53.9#
148 0.0 46.9 87.1#



#67
1,2-Dichlorobenzene
Concen: 38.705 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

Tgt Ion:146 Resp: 769
Ion Ratio Lower Upper
146 100
111 31.5 33.1 49.7#
148 52.6 47.4 71.2

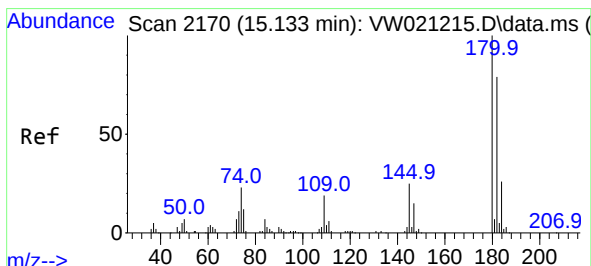
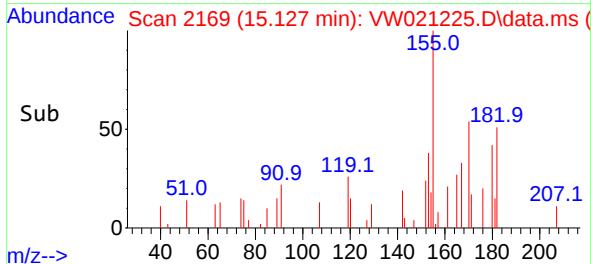
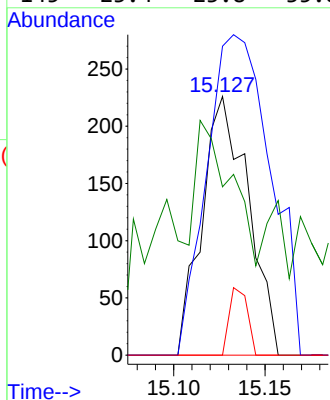
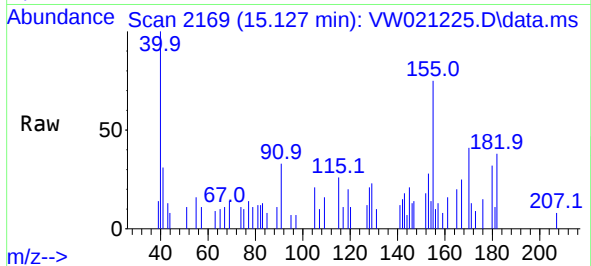




#69
1,3,5-Trichlorobenzene
Concen: 24.269 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.499 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

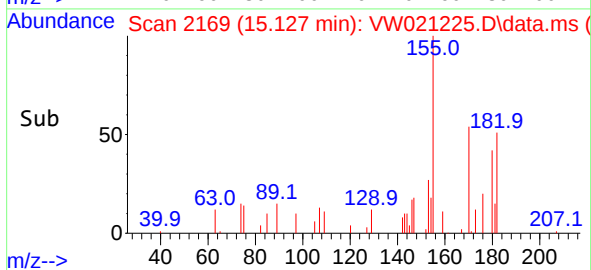
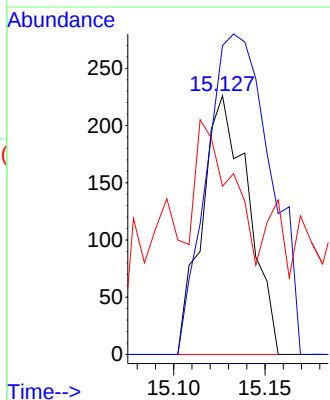
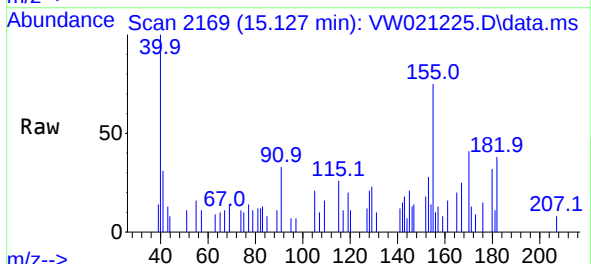
Instrument :
MSVOA_W
ClientSampleId :
BGKS1

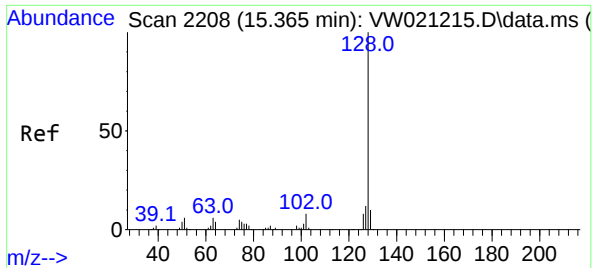
Tgt Ion:	180	Resp:	398
Ion	Ratio	Lower	Upper
180	100		
182	171.4	75.4	113.0#
184	10.3	23.8	35.8#
145	23.4	23.8	35.8#



#70
1,2,4-trichlorobenzene
Concen: 29.534 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.007 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

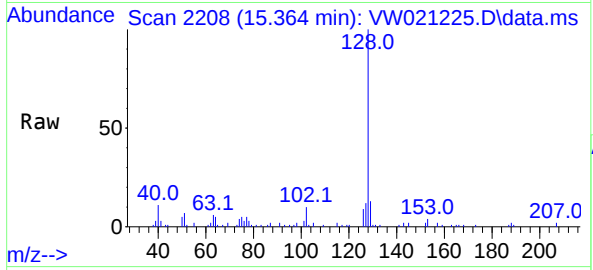
Tgt Ion:	180	Resp:	398
Ion	Ratio	Lower	Upper
180	100		
182	171.4	79.0	118.6#
145	23.4	26.0	39.0#





#71
Naphthalene
Concen: 490.663 ug/L
RT: 15.364 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021225.D
Acq: 08 Dec 2021 13:18

Instrument :
MSVOA_W
ClientSampleId :
BGKS1



Tgt Ion:128 Resp: 12292

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	14.1	8.6	12.8#

