

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
 Data File : VW021607.D
 Acq On : 23 Dec 2021 12:27
 Operator : SY/VA
 Sample : M5174-03
 Misc : 5.96g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 24 00:32:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 00:28:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	76821	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	54305	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	14814	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	24277	17.352	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.400%
7) Chloroethane-d5	2.885	69	17884	19.336	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.360%
11) 1,1-Dichloroethene-d2	4.019	63	28987	15.540	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.160%
21) 2-Butanone-d5	7.080	46	19501	98.880	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	197.760%#
24) Chloroform-d	7.653	84	52683	24.609	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.440%
26) 1,2-Dichloroethane-d4	8.305	65	34367	30.179	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.720%
32) Benzene-d6	8.275	84	90747	30.486	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	121.960%
36) 1,2-Dichloropropane-d6	9.274	67	29082	36.430	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	145.720%#
41) Toluene-d8	10.323	98	70108	23.052	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	10.579	79	10711	29.140	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	116.560%
47) 2-Hexanone-d5	10.927	63	15030	127.322	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	254.640%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	25988	37.869	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	151.480%#
66) 1,2-Dichlorobenzene-d4	13.853	152	11577	20.165	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.640%
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	3515	19.881	ug/L	93
14) Carbon disulfide	4.385	76	2358	0.959	ug/L	96
22) 2-Butanone	7.171	43	821	3.556	ug/L	77
29) Cyclohexane	7.964	56	1043	0.965	ug/L	# 84
34) Trichloroethene	8.842	95	2318	2.791	ug/L	# 5
35) Methylcyclohexane	9.335	83	3371	2.461	ug/L	87
37) 1,2-Dichloropropane	9.274	63	3728	5.650	ug/L	# 88
39) cis-1,3-Dichloropropene	10.036	75	965	0.928	ug/L	# 76
42) Toluene	10.390	91	5035	1.455	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	383	0.709	ug/L	# 14
46) Tetrachloroethene	10.859	164	1121	1.421	ug/L	90
48) 2-Hexanone	10.927	43	2263	8.679	ug/L	# 64
49) Dibromochloromethane	10.866	129	953	1.431	ug/L	# 10
52) Ethylbenzene	11.731	91	2602	0.658	ug/L	97
53) m,p-Xylene	11.835	106	2569	1.611	ug/L	81
54) o-Xylene	12.170	106	2124	1.403	ug/L	73
60) Isopropylbenzene	12.902	105	925	0.460	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	5298	3.093	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	10681	6.321	ug/L	100

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 24 00:28:54 2021
Response via : Initial Calibration

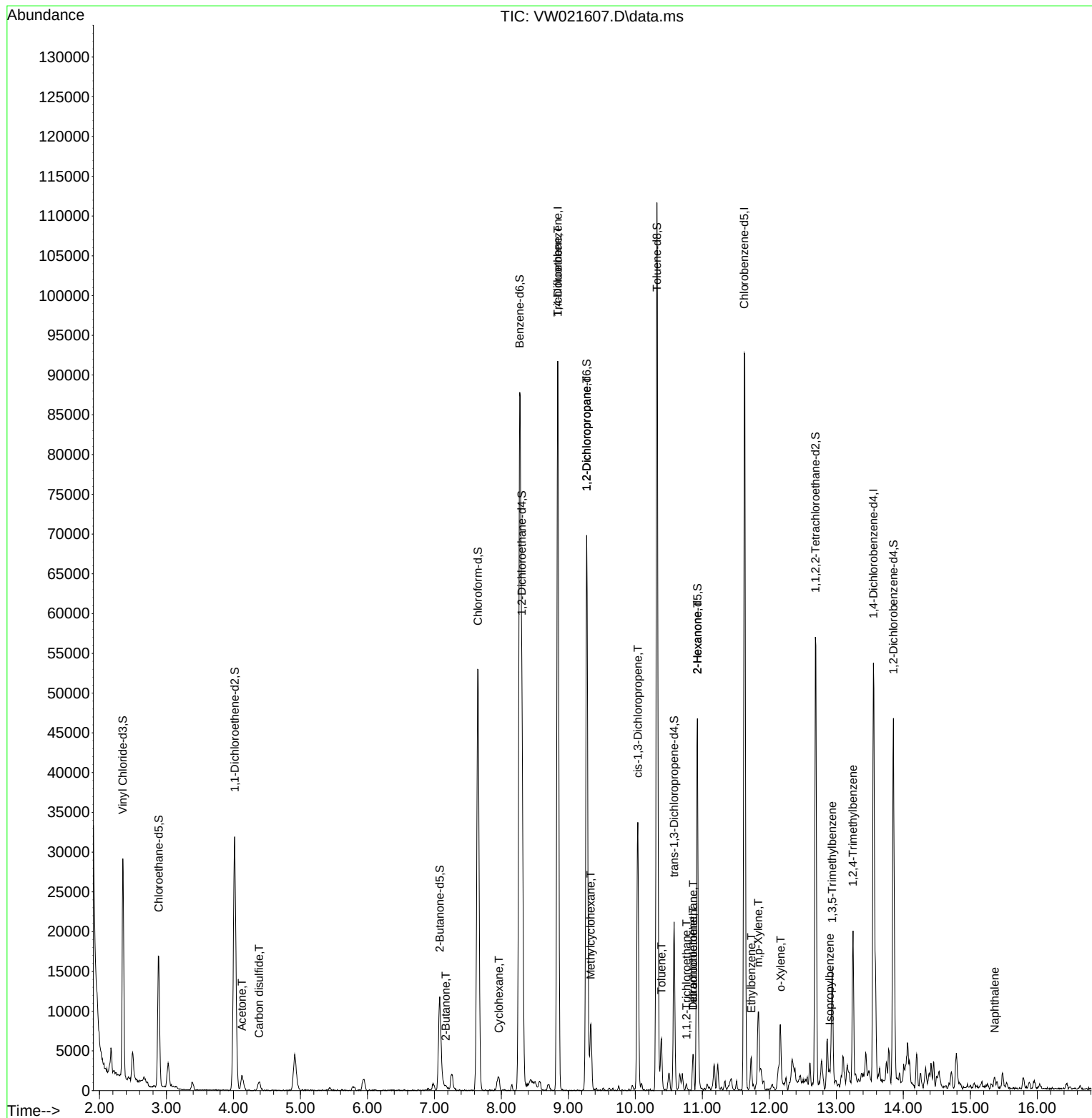
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.365	128	1871	2.018	ug/L	# 94

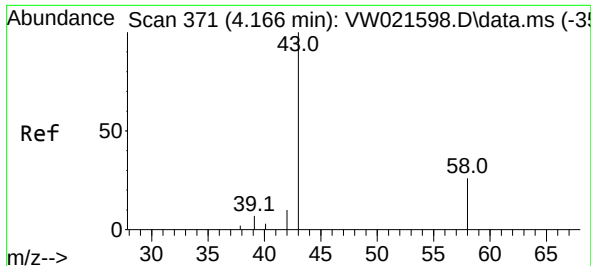
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#13

Acetone

Concen: 19.881 ug/L

RT: 4.129 min Scan# 3

Delta R.T. -0.037 min

Lab File: VW021607.D

Acq: 23 Dec 2021 12:27

Instrument :

MSVOA_W

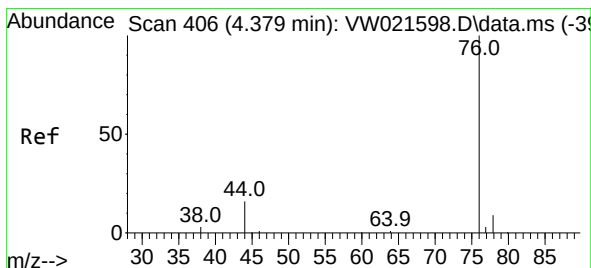
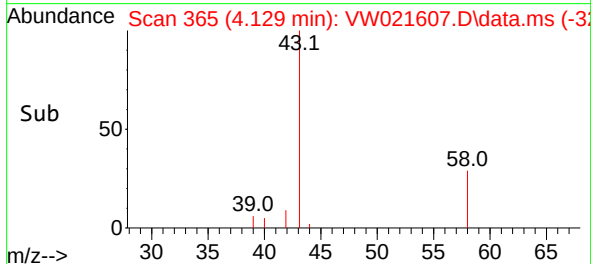
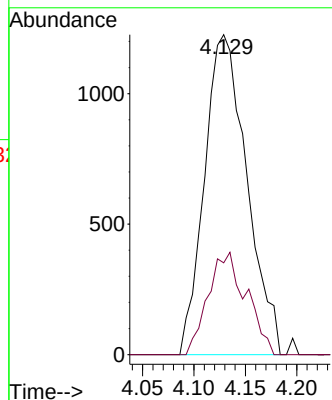
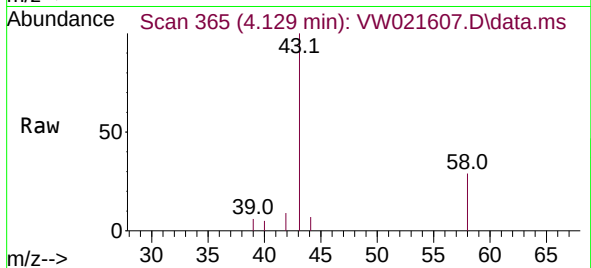
ClientSampleId :

Tgt Ion: 43 Resp: 3515

Ion Ratio Lower Upper

43 100

58 22.9 0.0 52.8



#14

Carbon disulfide

Concen: 0.959 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.006 min

Lab File: VW021607.D

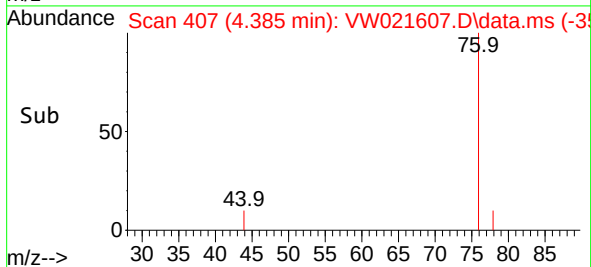
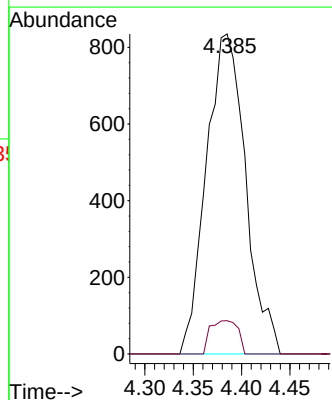
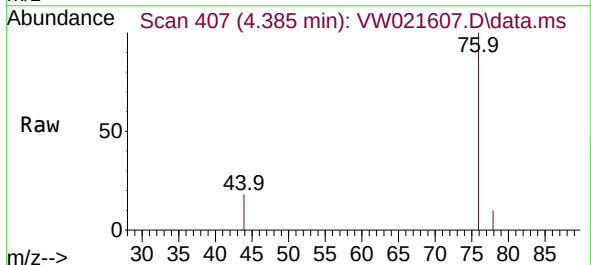
Acq: 23 Dec 2021 12:27

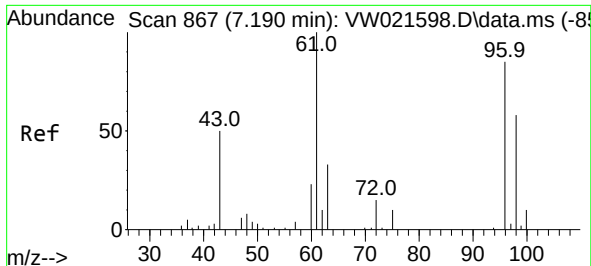
Tgt Ion: 76 Resp: 2358

Ion Ratio Lower Upper

76 100

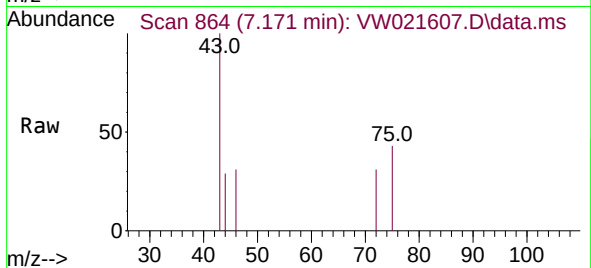
78 10.4 7.1 10.7



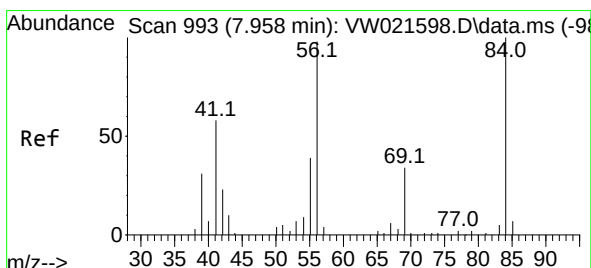
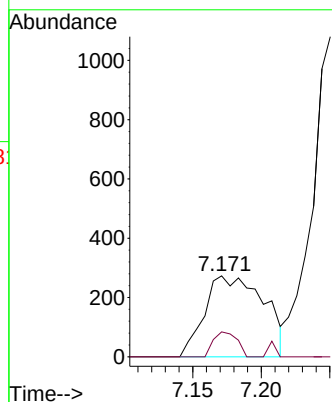
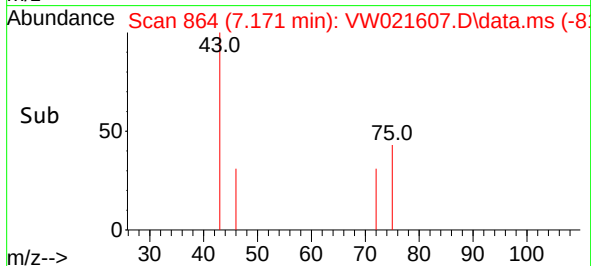


#22
2-Butanone
Concen: 3.556 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.018 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

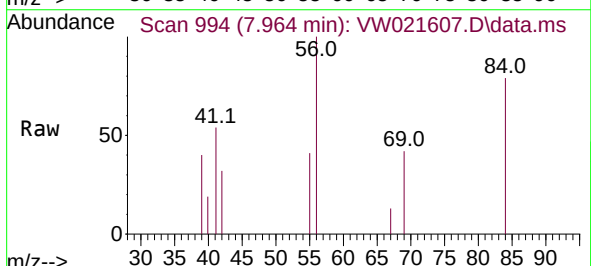
Instrument :
MSVOA_W
ClientSampleId :



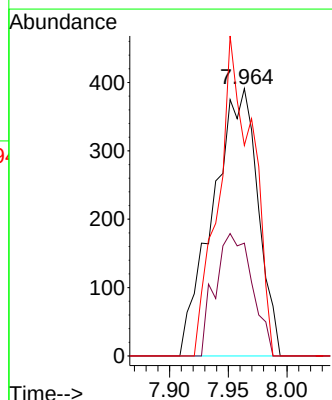
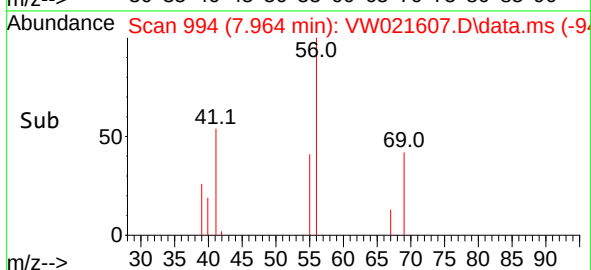
Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
72 12.3 11.8 35.4

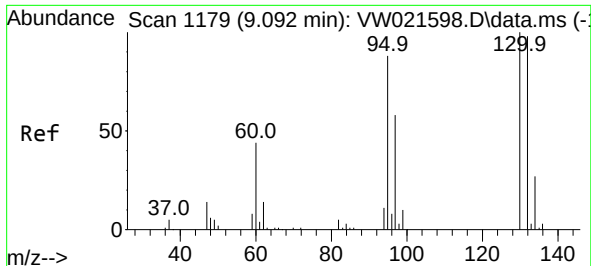


#29
Cyclohexane
Concen: 0.965 ug/L
RT: 7.964 min Scan# 994
Delta R.T. 0.006 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27



Tgt Ion: 56 Resp: 1043
Ion Ratio Lower Upper
56 100
69 37.6 23.5 35.3#
84 65.6 63.4 95.2





#34

Trichloroethene

Concen: 2.791 ug/L

RT: 8.842 min Scan# 1179

Delta R.T. -0.250 min

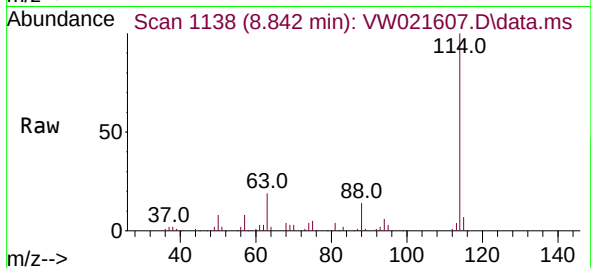
Lab File: VW021607.D

Acq: 23 Dec 2021 12:27

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 2318

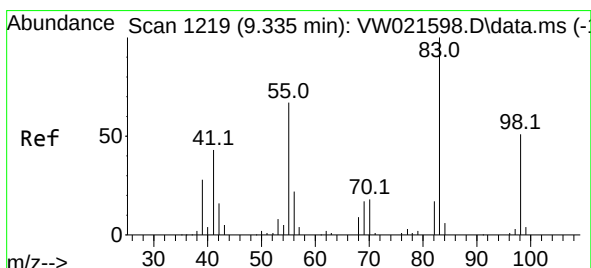
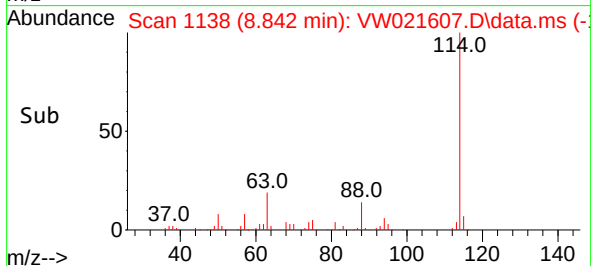
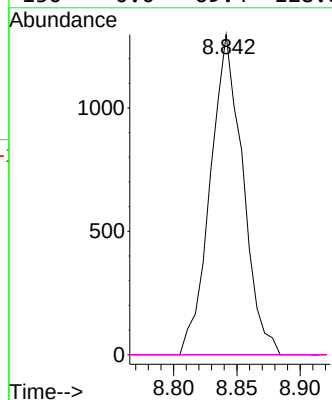
Ion Ratio Lower Upper

95 100

97 0.0 47.0 87.2#

132 0.0 65.5 121.6#

130 0.0 69.4 128.8#



#35

Methylcyclohexane

Concen: 2.461 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021607.D

Acq: 23 Dec 2021 12:27

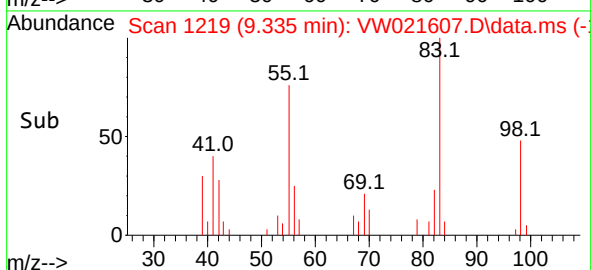
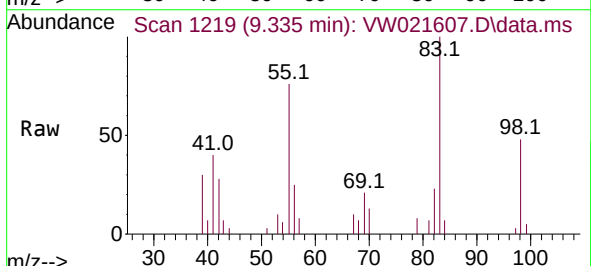
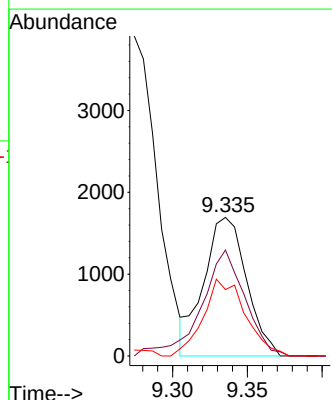
Tgt Ion: 83 Resp: 3371

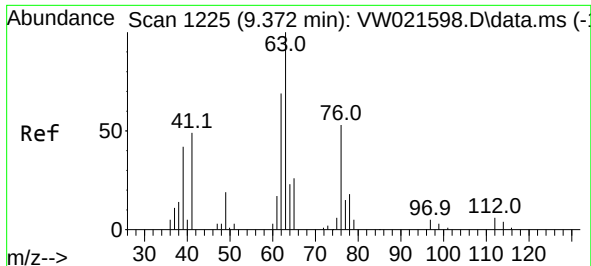
Ion Ratio Lower Upper

83 100

55 75.9 70.8 106.2

98 54.6 37.7 56.5





#37

1,2-Dichloropropane

Concen: 5.650 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021607.D

Acq: 23 Dec 2021 12:27

Instrument :

MSVOA_W

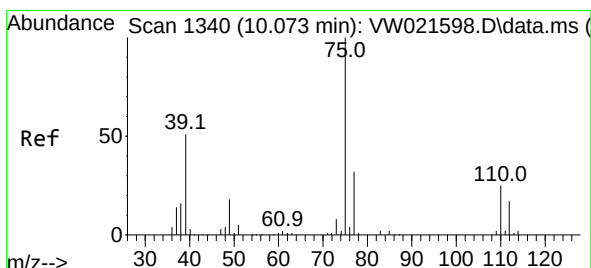
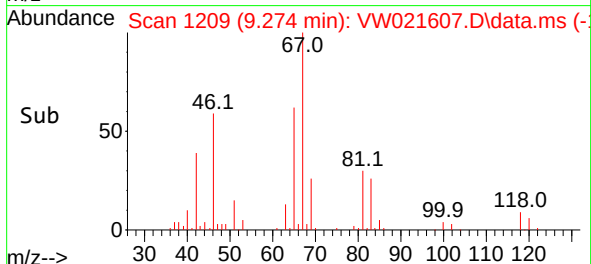
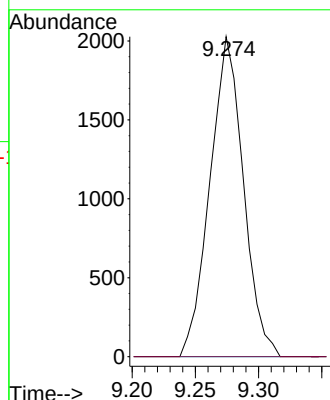
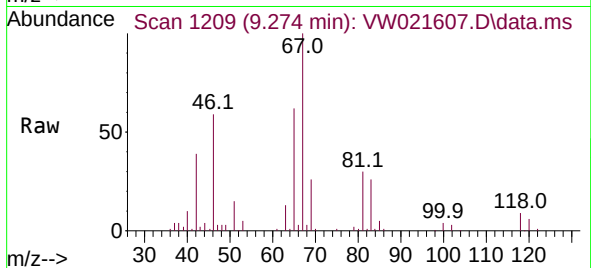
ClientSampleId :

Tgt Ion: 63 Resp: 3728

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.928 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021607.D

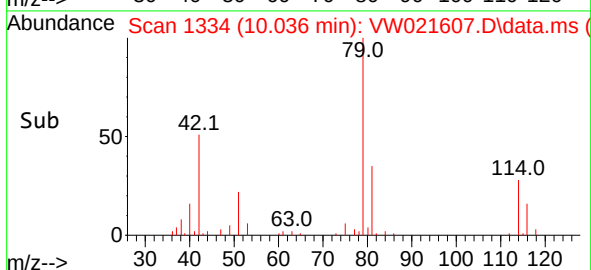
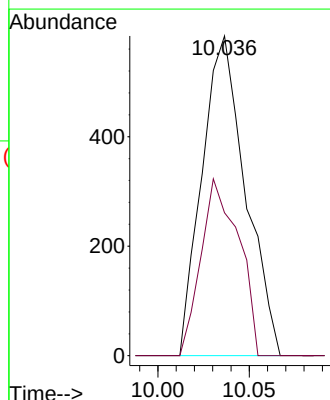
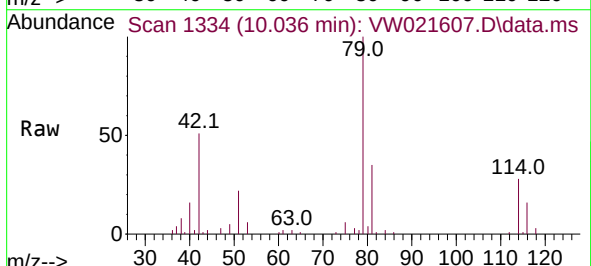
Acq: 23 Dec 2021 12:27

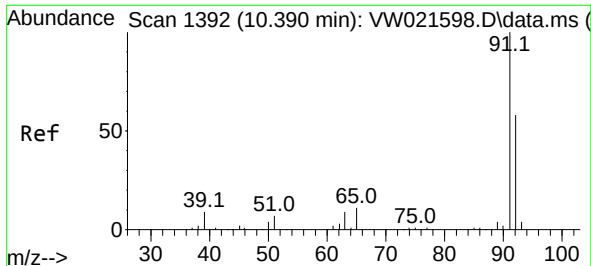
Tgt Ion: 75 Resp: 965

Ion Ratio Lower Upper

75 100

77 44.7 21.8 40.6#

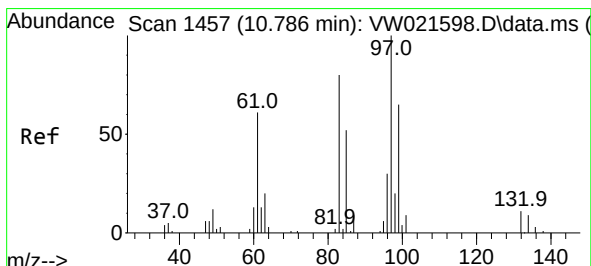
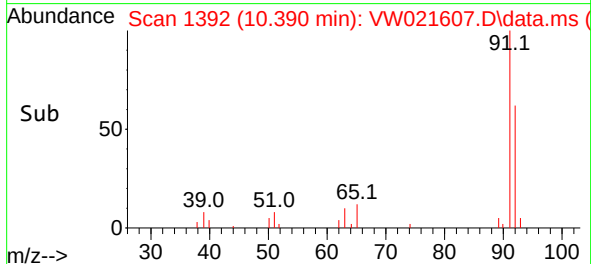
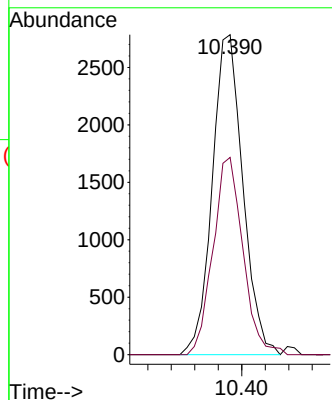
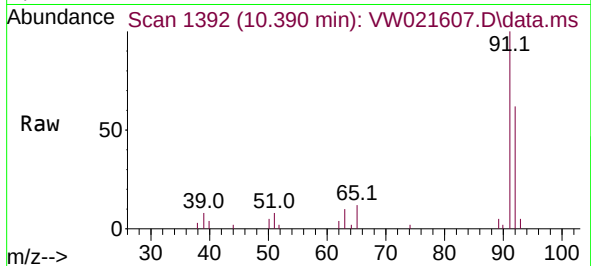




#42
Toluene
Concen: 1.455 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

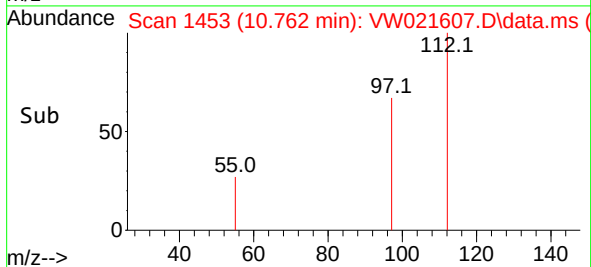
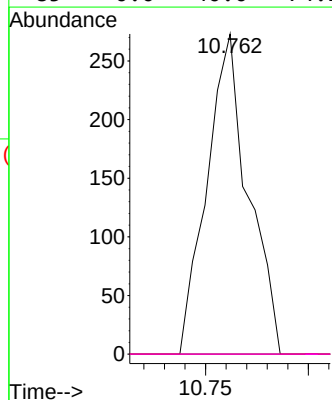
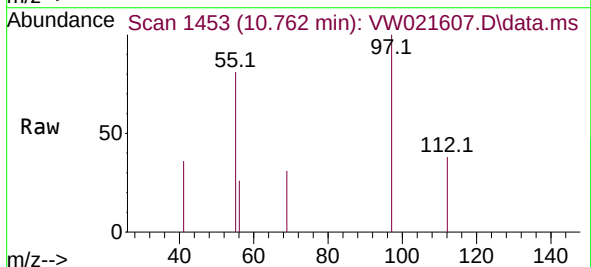
Instrument :
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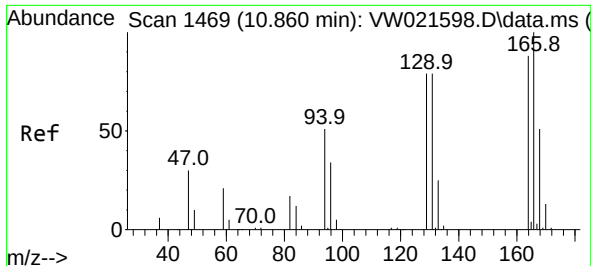
Tgt Ion: 91 Resp: 5035
Ion Ratio Lower Upper
91 100
92 61.7 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 0.709 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.025 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

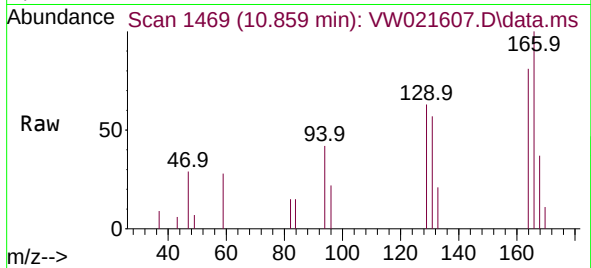
Tgt Ion: 97 Resp: 383
Ion Ratio Lower Upper
97 100
99 0.0 43.0 79.8#
83 0.0 62.6 116.3#
85 0.0 40.0 74.2#



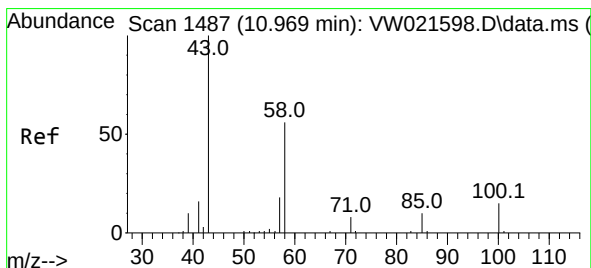
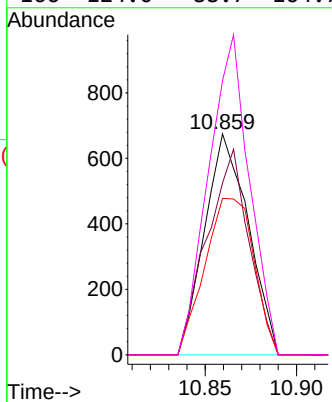
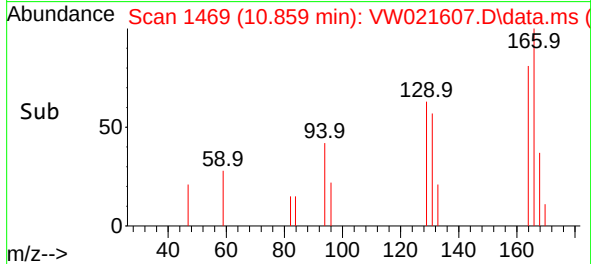


#46
Tetrachloroethene
Concen: 1.421 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

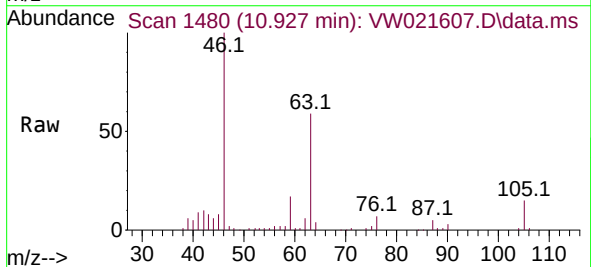
Instrument :
MSVOA_W
ClientSampleId :



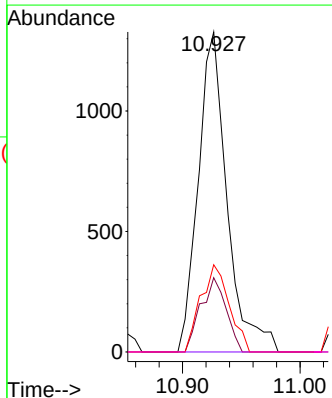
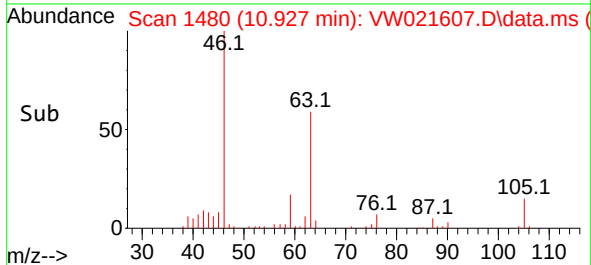
Tgt Ion:164 Resp: 1121
Ion Ratio Lower Upper
164 100
129 77.8 65.5 121.7
131 70.8 59.7 110.9
166 124.0 88.7 164.7

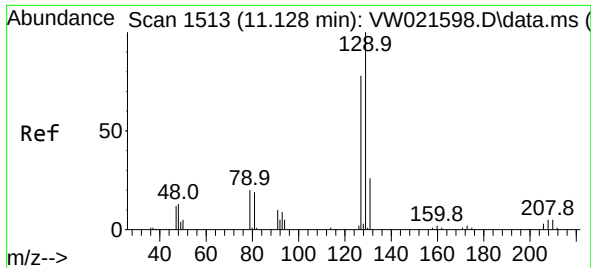


#48
2-Hexanone
Concen: 8.679 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27



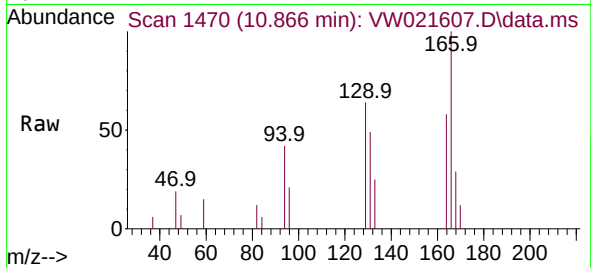
Tgt Ion: 43 Resp: 2263
Ion Ratio Lower Upper
43 100
58 20.4 40.2 60.2#
57 26.9 14.3 21.5#
100 0.0 8.0 12.0#



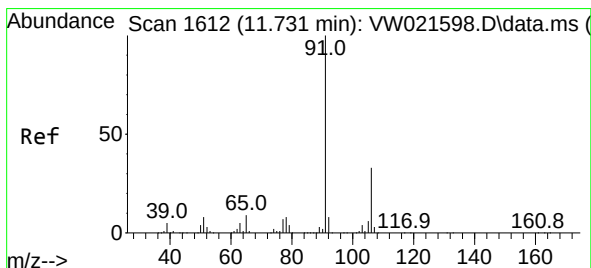
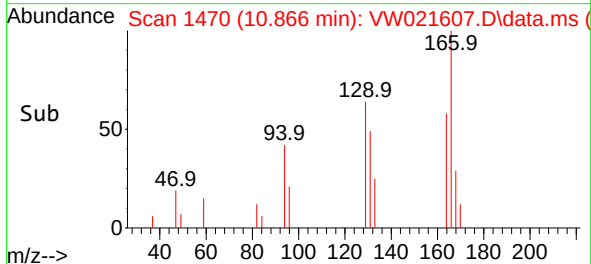
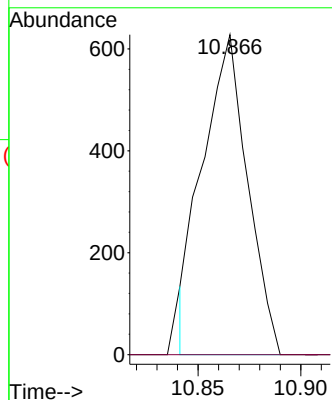


#49
Dibromochloromethane
Concen: 1.431 ug/L
RT: 10.866 min Scan# 14
Delta R.T. -0.262 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

Instrument :
MSVOA_W
ClientSampleId :

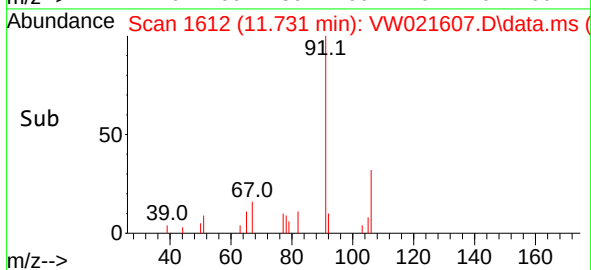
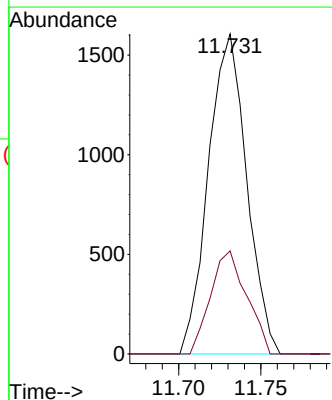
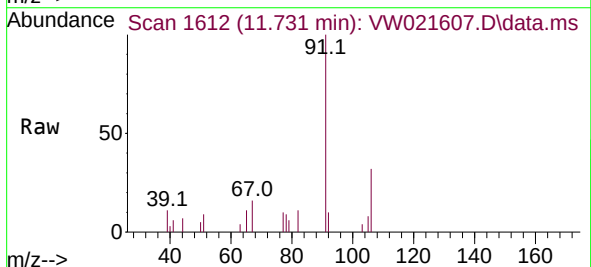


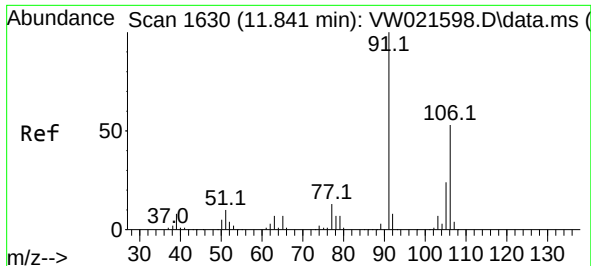
Tgt Ion:129 Resp: 953
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#



#52
Ethylbenzene
Concen: 0.658 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

Tgt Ion: 91 Resp: 2602
Ion Ratio Lower Upper
91 100
106 32.2 21.5 39.9

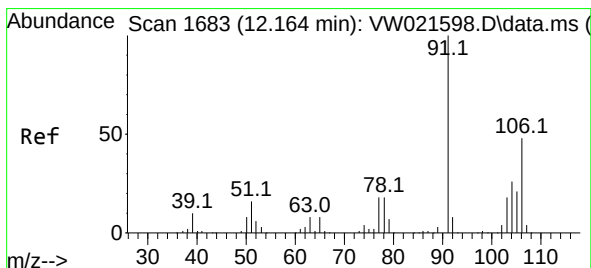
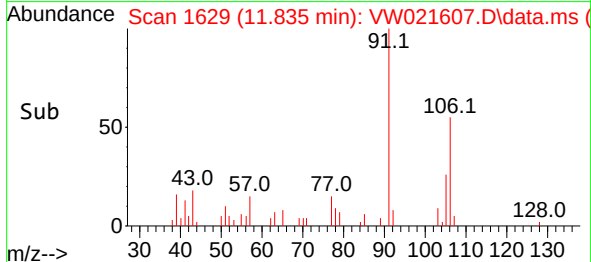
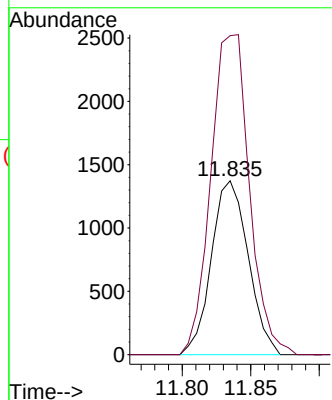
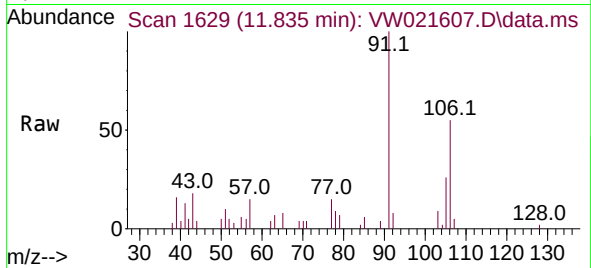




#53
m,p-Xylene
Concen: 1.611 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

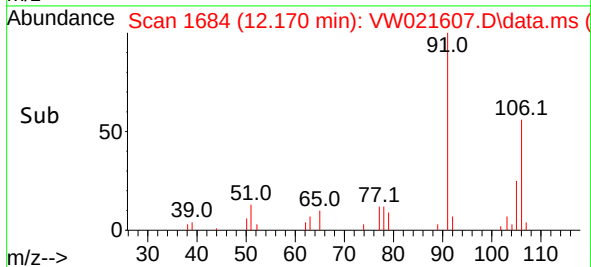
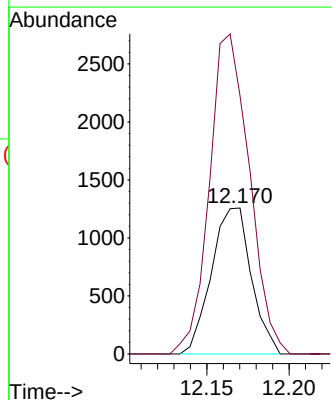
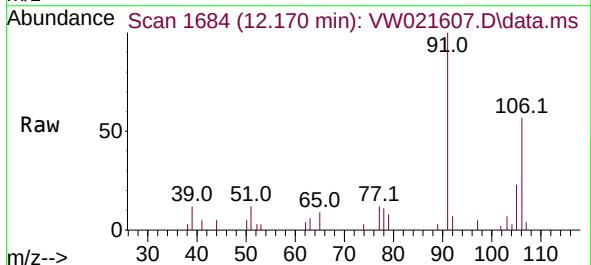
Instrument :
MSVOA_W
ClientSampleId :

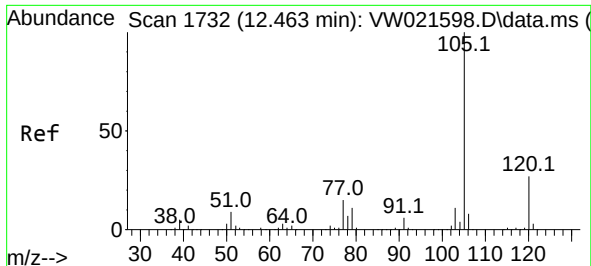
Tgt Ion:106 Resp: 2569
Ion Ratio Lower Upper
106 100
91 183.4 149.9 278.3



#54
o-Xylene
Concen: 1.403 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

Tgt Ion:106 Resp: 2124
Ion Ratio Lower Upper
106 100
91 176.9 153.6 285.3

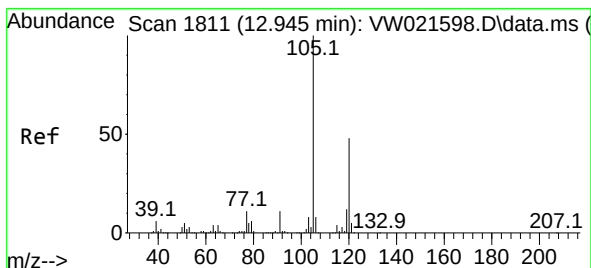
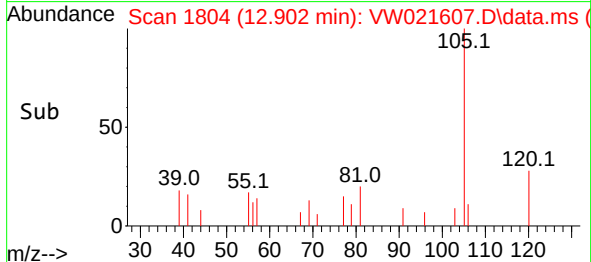
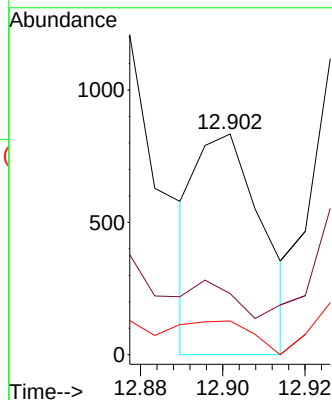
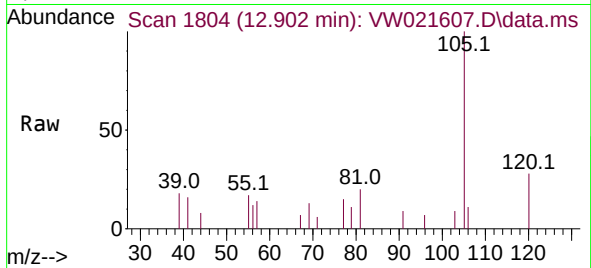




#60
Isopropylbenzene
Concen: 0.460 ug/L
RT: 12.902 min Scan# 1804
Delta R.T. 0.439 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

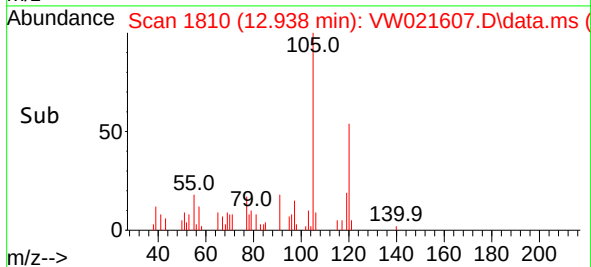
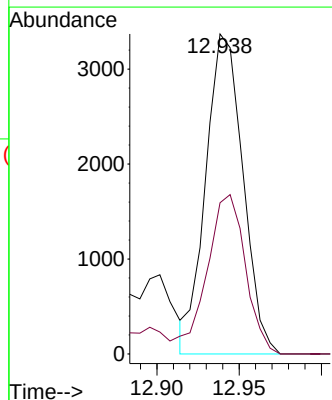
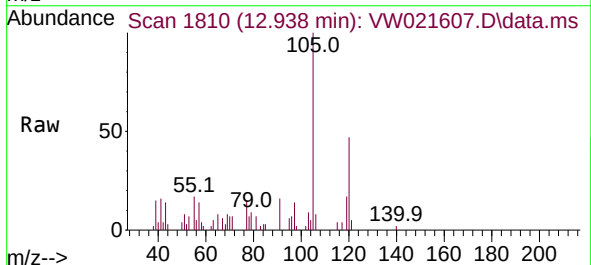
Instrument :
MSVOA_W
ClientSampleId :

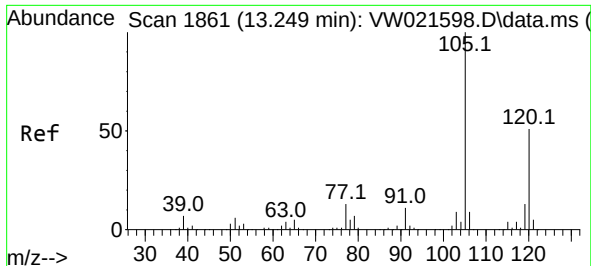
Tgt Ion:105	Resp:	925
Ion Ratio	Lower	Upper
105	100	
120	25.7	20.1 30.1
77	17.5	13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 3.093 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

Tgt Ion:105	Resp:	5298
Ion Ratio	Lower	Upper
105	100	
120	51.7	37.4 56.2

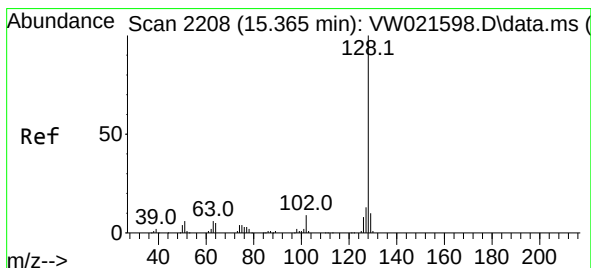
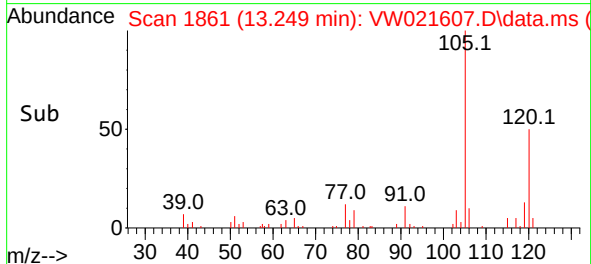
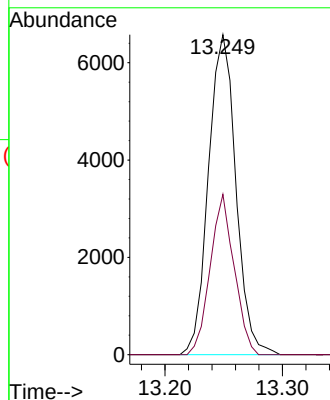
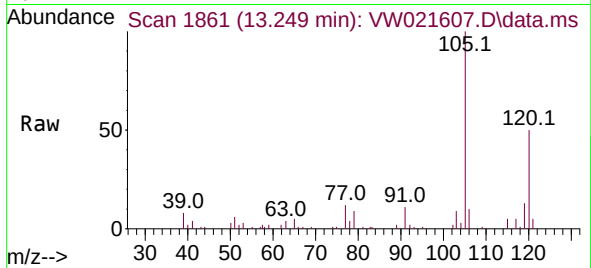




#63
1,2,4-Trimethylbenzene
Concen: 6.321 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:105 Resp: 10681
Ion Ratio Lower Upper
105 100
120 43.7 35.0 52.6



#71
Naphthalene
Concen: 2.018 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW021607.D
Acq: 23 Dec 2021 12:27

Tgt Ion:128 Resp: 1871
Ion Ratio Lower Upper
128 100
127 12.1 10.7 16.1
129 6.8 8.6 12.8#

