

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021025.D
 Acq On : 02 Dec 2021 05:28
 Operator : SY/VA
 Sample : M4881-13
 Misc : 3.02g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 03 00:22:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 07:10:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	51922	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	18092	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	2506	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	18139	30.118	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 120.480%		
7) Chloroethane-d5	2.885	69	13917	35.829	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 143.320%		
11) 1,1-Dichloroethene-d2	4.019	63	20727	17.787	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	= 71.160%		
21) 2-Butanone-d5	7.086	46	9810	65.258	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 130.520%		
24) Chloroform-d	7.653	84	40528	30.978	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	= 123.920%		
26) 1,2-Dichloroethane-d4	8.305	65	18271	27.514	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	= 110.040%		
32) Benzene-d6	8.274	84	66235	69.462	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	= 277.840%#		
36) 1,2-Dichloropropane-d6	9.274	67	21108	77.738	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	= 310.960%#		
41) Toluene-d8	10.323	98	35572	37.586	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	= 150.360%#		
43) trans-1,3-Dichloroprop...	10.579	79	2877	22.417	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	= 89.680%		
47) 2-Hexanone-d5	10.920	63	4517	100.303	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 200.600%#		
56) 1,1,2,2-Tetrachloroeth...	12.688	84	8599	41.340	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	= 165.360%#		
66) 1,2-Dichlorobenzene-d4	13.853	152	2193	24.553	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	= 98.200%		
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	2332	17.375	ug/L	76
14) Carbon disulfide	4.379	76	4553	2.588	ug/L #	94
15) Methyl Acetate	4.897	43	355	1.475	ug/L #	56
16) Methylene chloride	4.915	84	3598	4.969	ug/L	80
22) 2-Butanone	7.140	43	1285	7.047	ug/L #	59
27) 1,2-Dichloroethane	8.402	62	1903	2.475	ug/L	96
29) Cyclohexane	7.957	56	3813	9.453	ug/L	90
33) Benzene	8.323	78	20536	20.047	ug/L	100
34) Trichloroethene	9.091	95	311942	1088.720	ug/L	91
35) Methylcyclohexane	9.335	83	10462	22.147	ug/L	87
39) cis-1,3-Dichloropropene	10.036	75	377	0.958	ug/L	92
40) 4-Methyl-2-pentanone	10.219	43	334	2.354	ug/L #	63
42) Toluene	10.390	91	46194	40.091	ug/L	98
45) 1,1,2-Trichloroethane	10.768	97	2157	11.633	ug/L #	23
46) Tetrachloroethene	10.865	164	819	3.113	ug/L	93
48) 2-Hexanone	10.926	43	1182	12.026	ug/L #	54
49) Dibromochloromethane	10.859	129	736	2.879	ug/L #	10
52) Ethylbenzene	11.731	91	7428	5.818	ug/L	92
53) m,p-Xylene	11.835	106	11242	21.567	ug/L	91

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 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 07:10:34 2021
 Response via : Initial Calibration

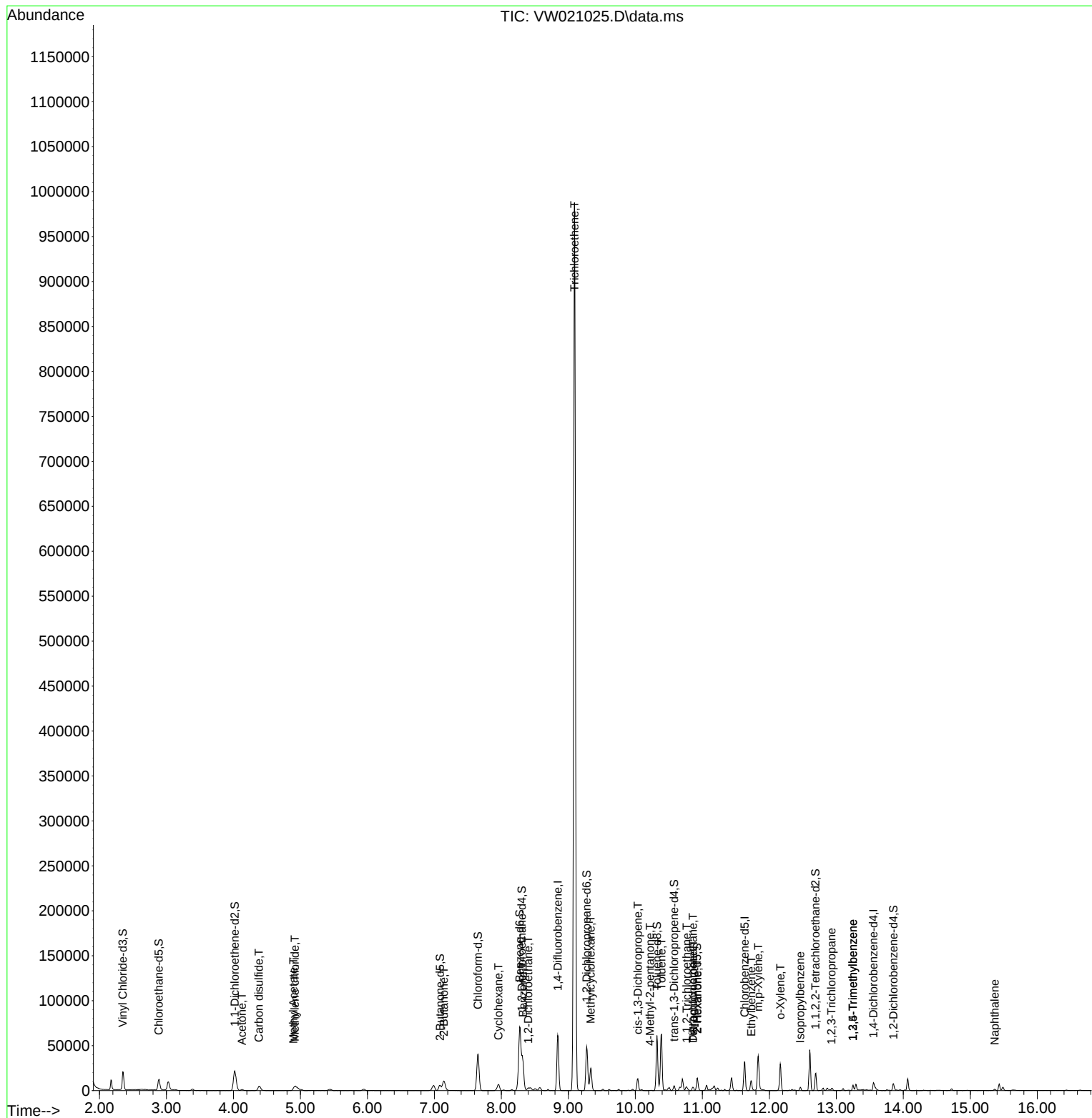
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.164	106	8105	16.190	ug/L	92
60) Isopropylbenzene	12.463	105	2542	7.447	ug/L	98
61) 1,2,3-Trichloropropane	12.926	75	99	2.693	ug/L #	1
62) 1,3,5-Trimethylbenzene	13.249	105	3476	12.072	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	3476	12.236	ug/L	93
71) Naphthalene	15.365	128	1448	8.570	ug/L #	88

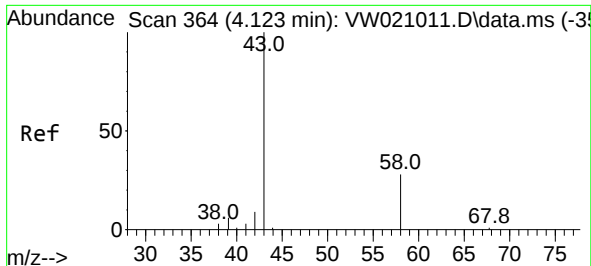
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#13

Acetone

Concen: 17.375 ug/L

RT: 4.129 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021025.D

Acq: 02 Dec 2021 05:28

Instrument :

MSVOA_W

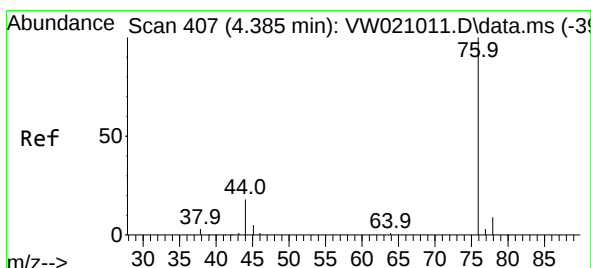
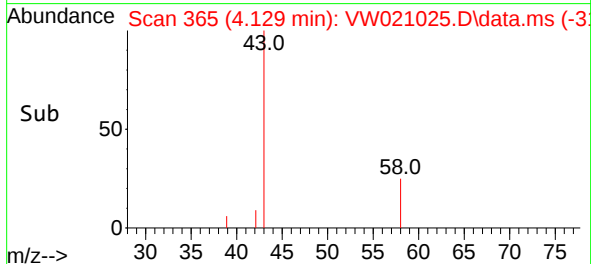
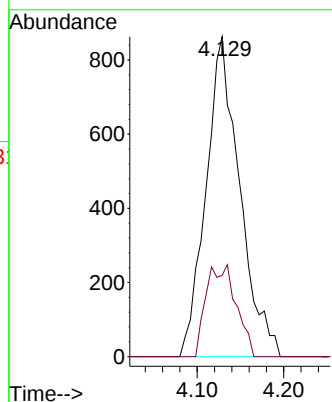
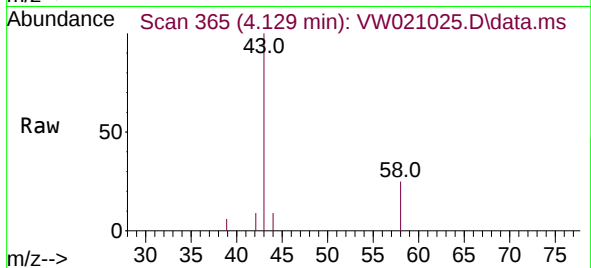
ClientSampleId :

Tgt Ion: 43 Resp: 2332

Ion Ratio Lower Upper

43 100

58 14.2 0.0 52.8



#14

Carbon disulfide

Concen: 2.588 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW021025.D

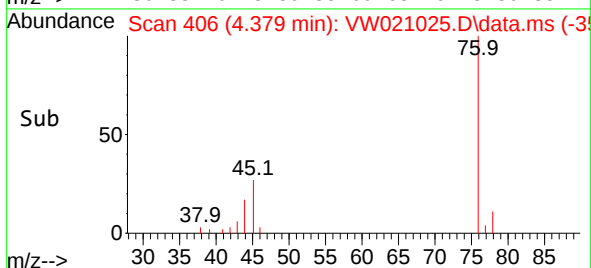
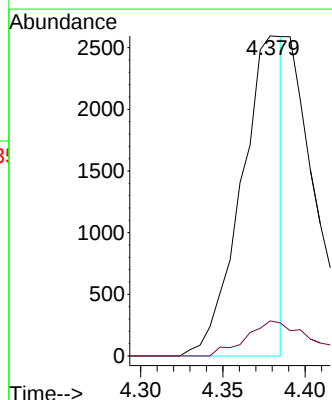
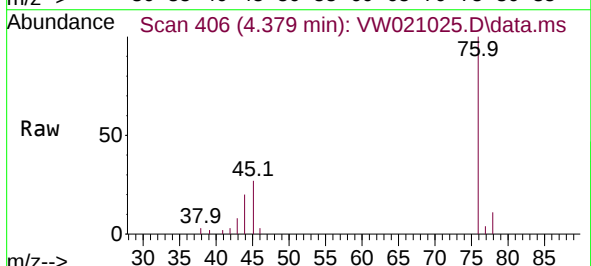
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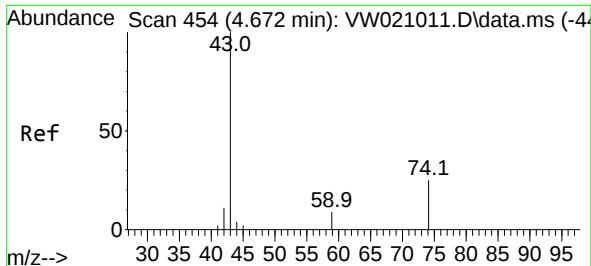
Tgt Ion: 76 Resp: 4553

Ion Ratio Lower Upper

76 100

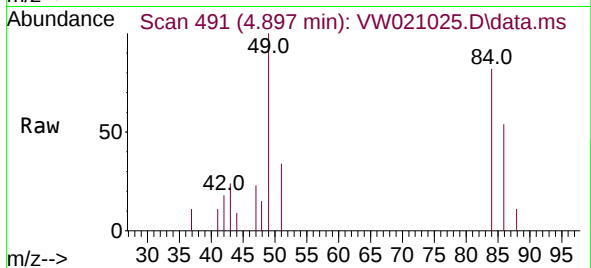
78 10.9 7.1 10.7#



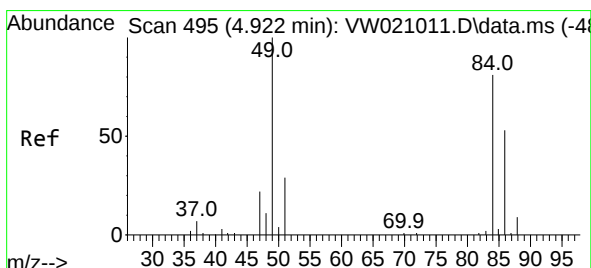
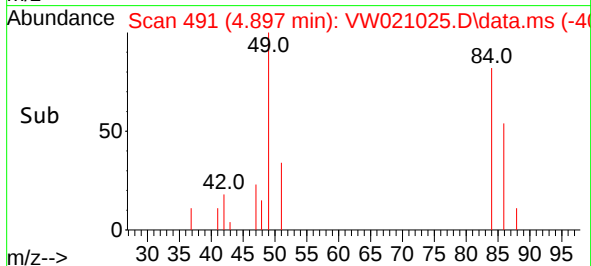
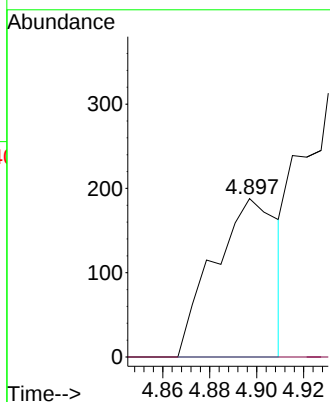


#15
Methyl Acetate
Concen: 1.475 ug/L
RT: 4.897 min Scan# 491
Delta R.T. 0.225 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

Instrument :
MSVOA_W
ClientSampleId :

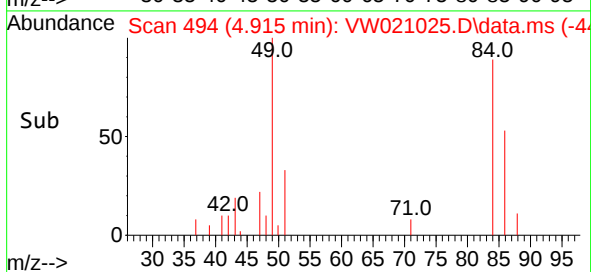
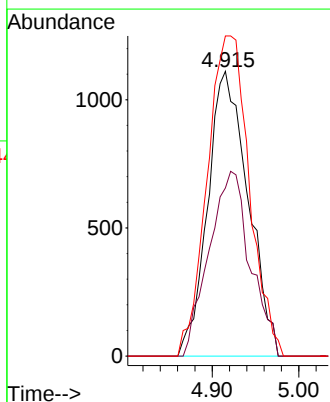
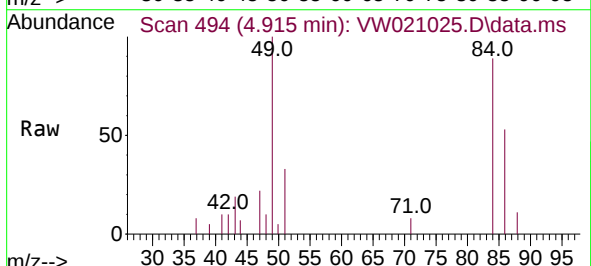


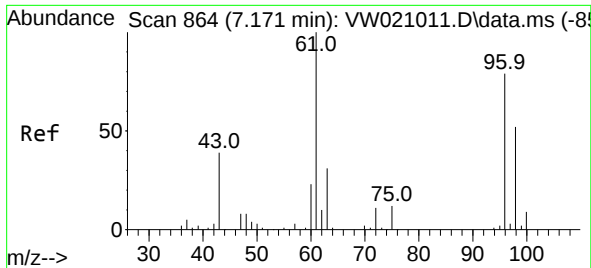
Tgt Ion: 43 Resp: 355
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#16
Methylene chloride
Concen: 4.969 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

Tgt Ion: 84 Resp: 3598
Ion Ratio Lower Upper
84 100
86 59.0 45.5 84.5
49 112.4 100.5 186.7

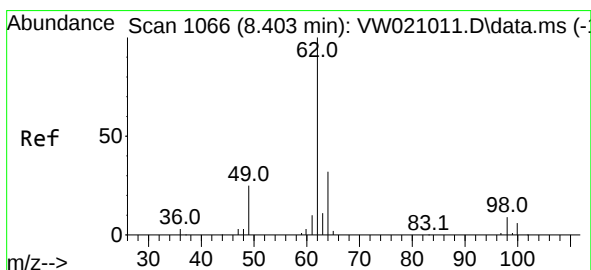
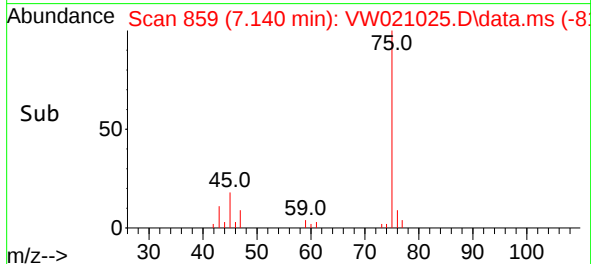
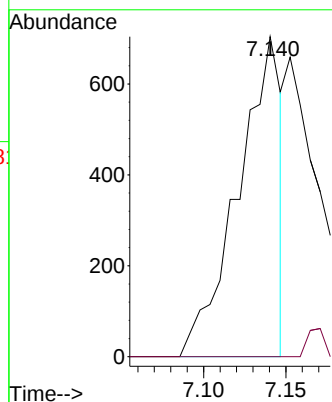
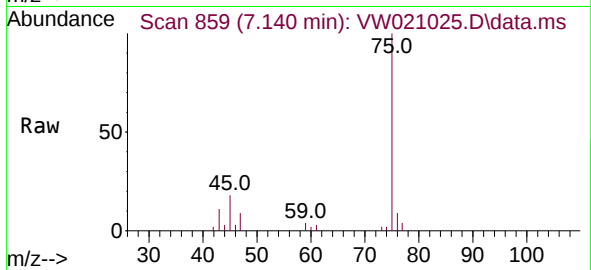




#22
2-Butanone
Concen: 7.047 ug/L
RT: 7.140 min Scan# 864
Delta R.T. -0.031 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

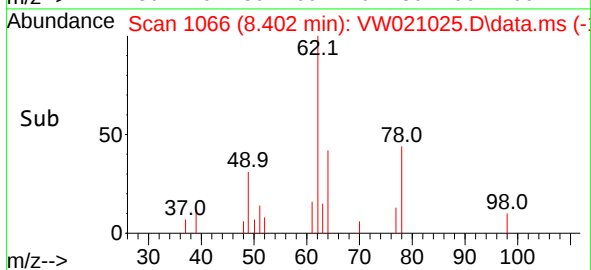
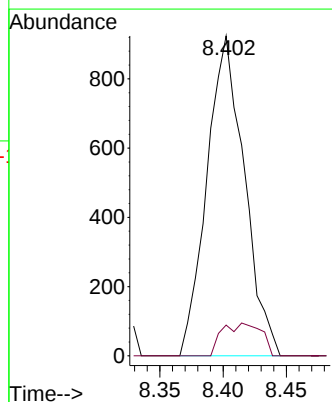
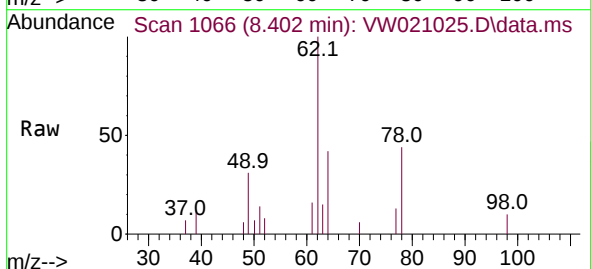
Instrument :
MSVOA_W
ClientSampleId :

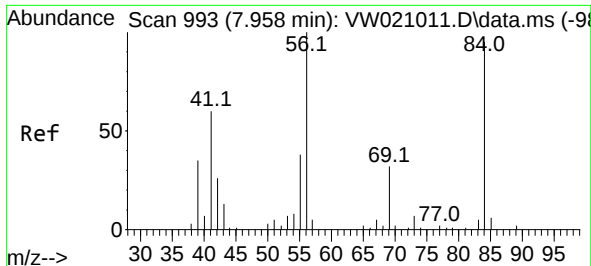
Tgt Ion: 43 Resp: 1285
Ion Ratio Lower Upper
43 100
72 3.4 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 2.475 ug/L
RT: 8.402 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

Tgt Ion: 62 Resp: 1903
Ion Ratio Lower Upper
62 100
98 9.6 6.5 9.7





#29

Cyclohexane

Concen: 9.453 ug/L

RT: 7.957 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW021025.D

Acq: 02 Dec 2021 05:28

Instrument :

MSVOA_W

ClientSampleId :

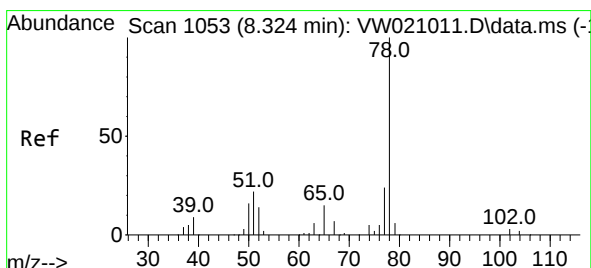
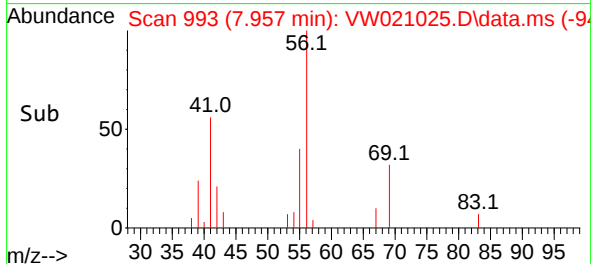
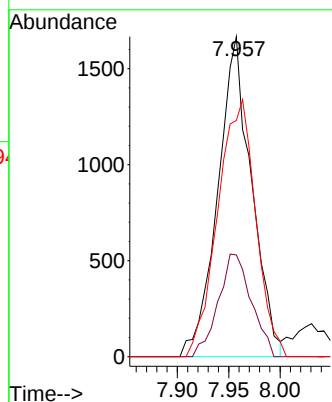
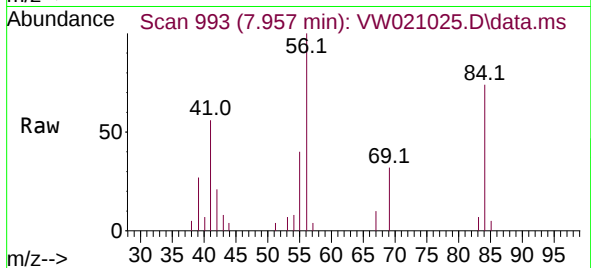
Tgt Ion: 56 Resp: 3813

Ion Ratio Lower Upper

56 100

69 31.4 23.5 35.3

84 89.9 63.4 95.2



#33

Benzene

Concen: 20.047 ug/L

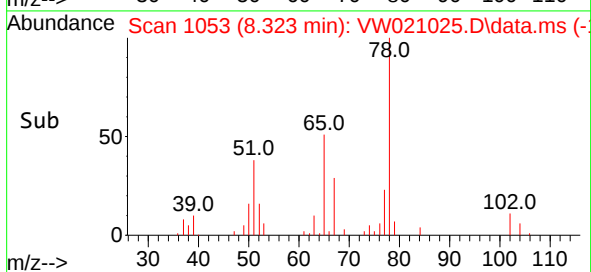
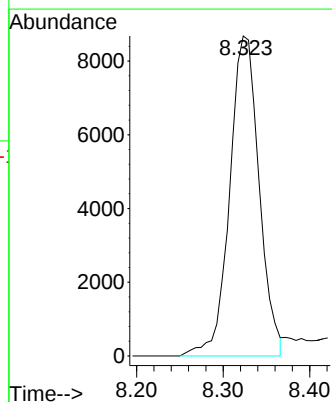
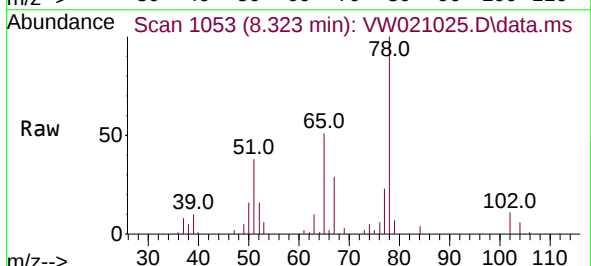
RT: 8.323 min Scan# 1053

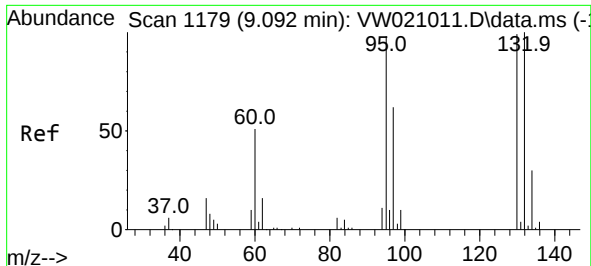
Delta R.T. -0.000 min

Lab File: VW021025.D

Acq: 02 Dec 2021 05:28

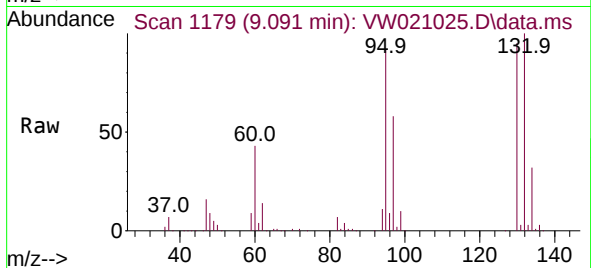
Tgt Ion: 78 Resp: 20536





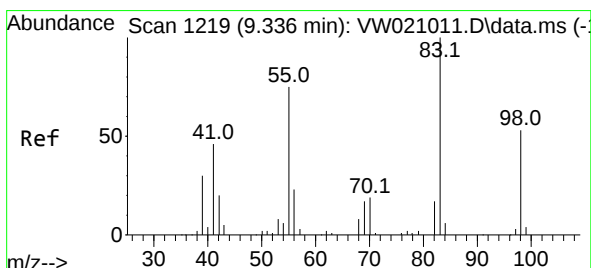
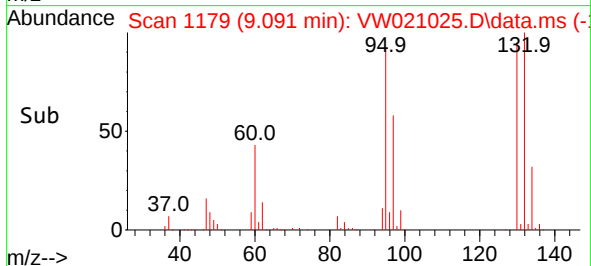
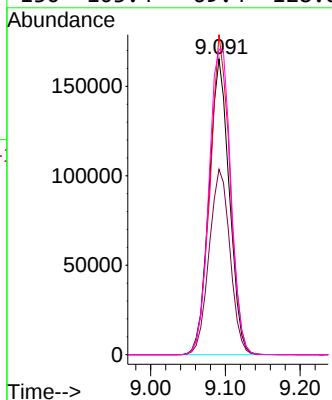
#34
Trichloroethene
Concen: 1088.720 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 95 Resp: 311942

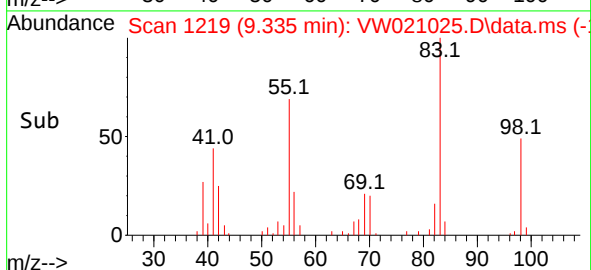
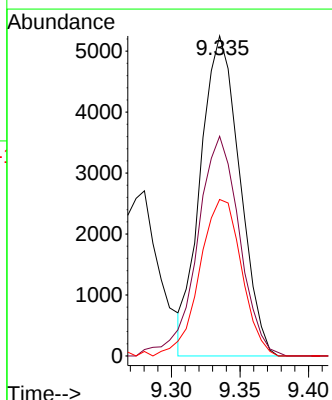
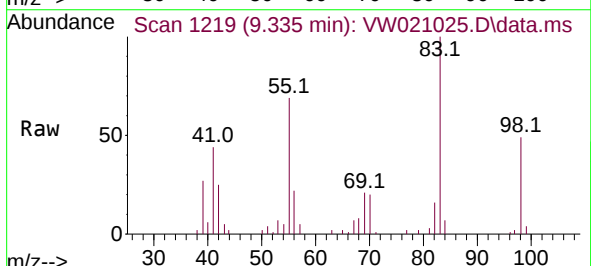
Ion	Ratio	Lower	Upper
95	100		
97	62.8	47.0	87.2
132	108.2	65.5	121.6
130	103.4	69.4	128.8

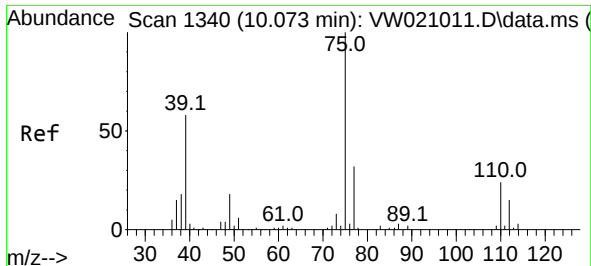


#35
Methylcyclohexane
Concen: 22.147 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

Tgt Ion: 83 Resp: 10462

Ion	Ratio	Lower	Upper
83	100		
55	73.7	70.8	106.2
98	52.1	37.7	56.5





#39

cis-1,3-Dichloropropene

Concen: 0.958 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021025.D

Acq: 02 Dec 2021 05:28

Instrument :

MSVOA_W

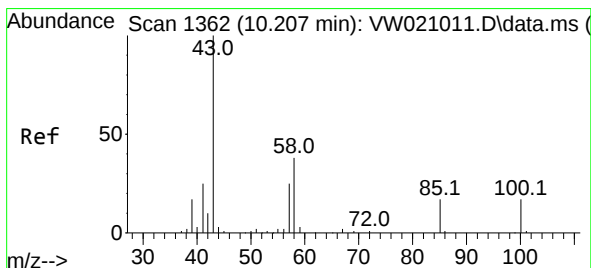
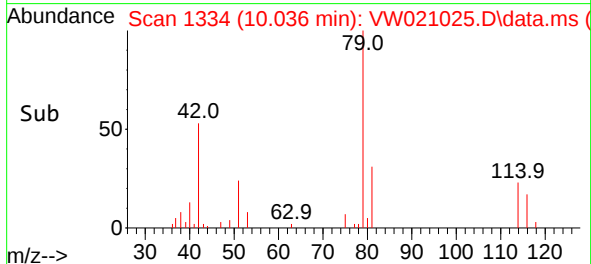
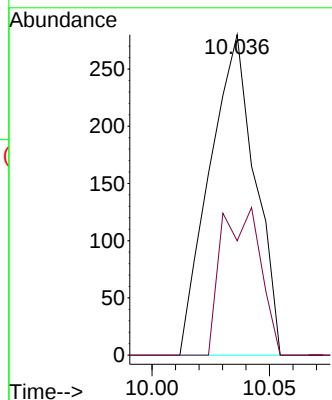
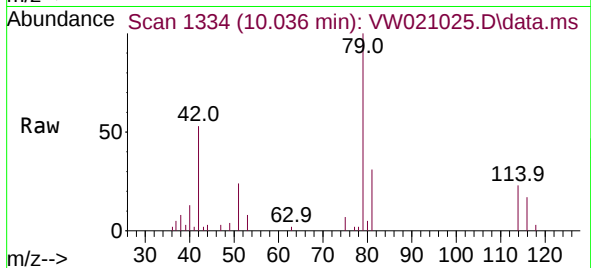
ClientSampleId :

Tgt Ion: 75 Resp: 377

Ion Ratio Lower Upper

75 100

77 35.7 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 2.354 ug/L

RT: 10.219 min Scan# 1364

Delta R.T. 0.012 min

Lab File: VW021025.D

Acq: 02 Dec 2021 05:28

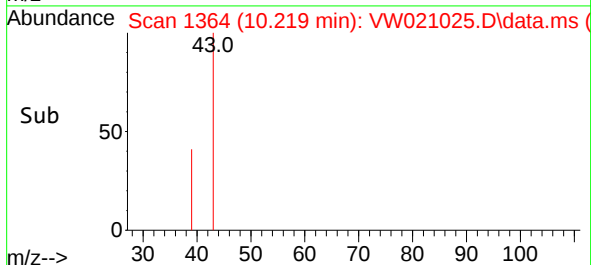
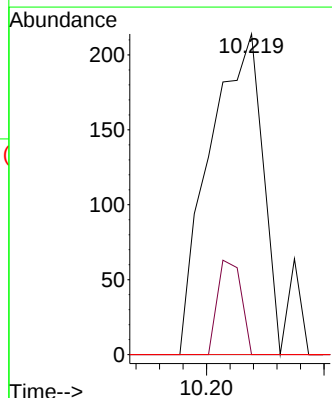
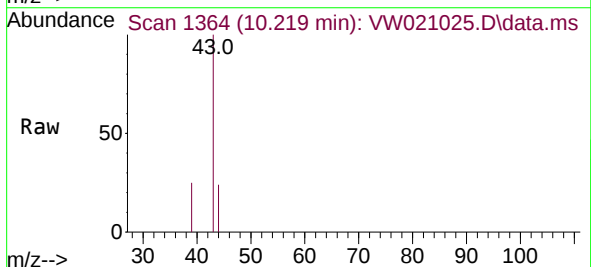
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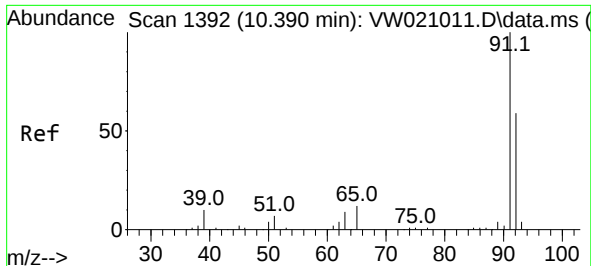
Ion Ratio Lower Upper

43 100

58 13.2 28.8 43.2#

100 0.0 10.0 15.0#

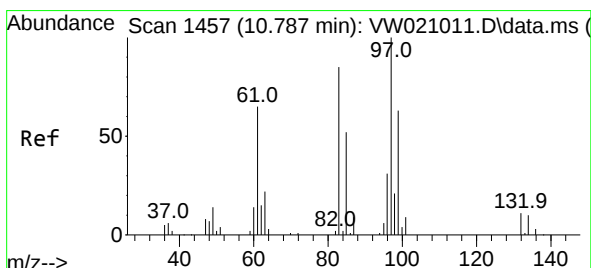
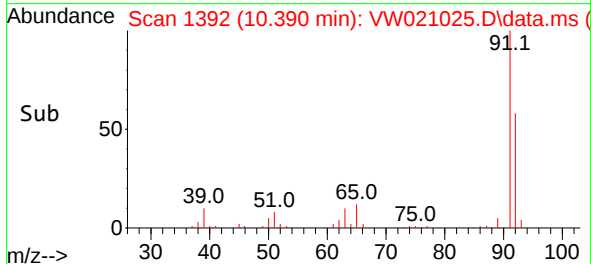
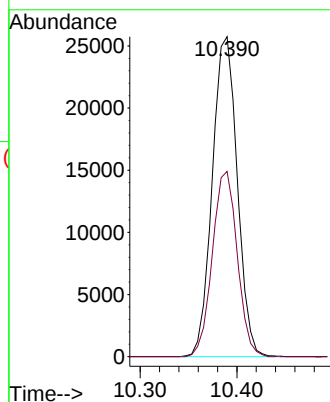
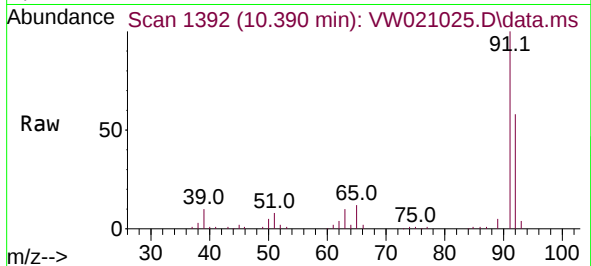




#42
Toluene
Concen: 40.091 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

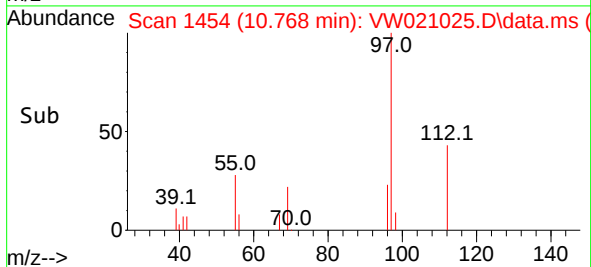
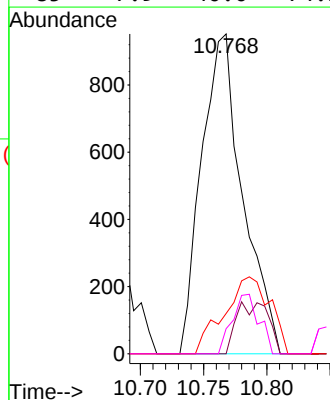
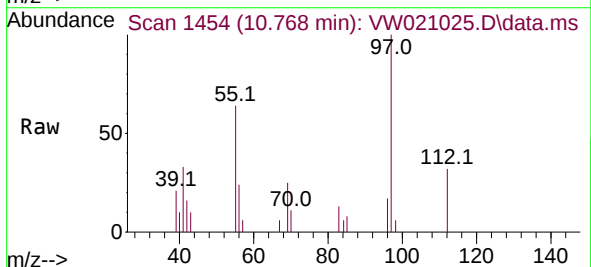
Instrument :
MSVOA_W
ClientSampleId :

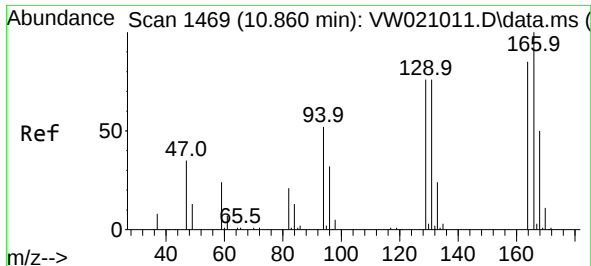
Tgt Ion: 91 Resp: 46194
Ion Ratio Lower Upper
91 100
92 57.9 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 11.633 ug/L
RT: 10.768 min Scan# 1454
Delta R.T. -0.019 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

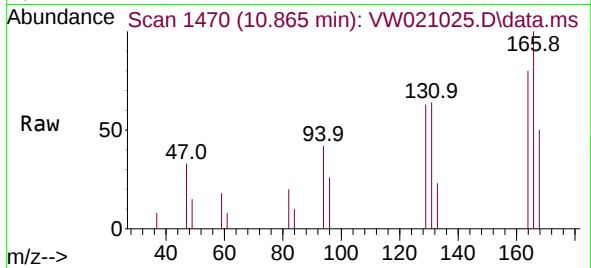
Tgt Ion: 97 Resp: 2157
Ion Ratio Lower Upper
97 100
99 0.0 43.0 79.8#
83 12.6 62.6 116.3#
85 7.9 40.0 74.2#



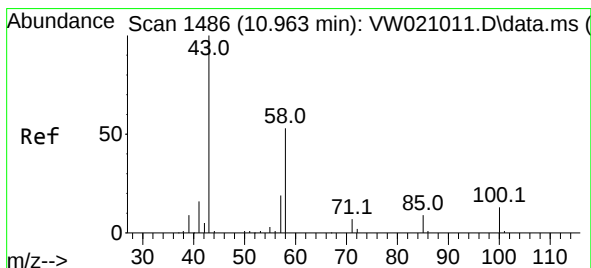
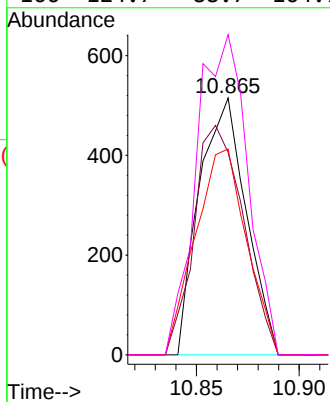
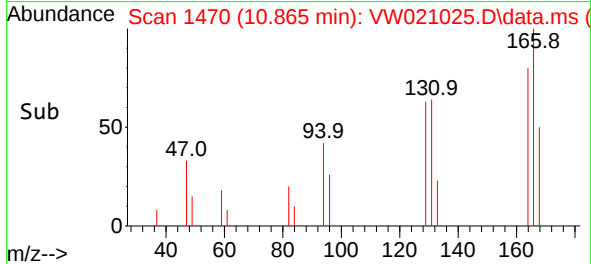


#46
Tetrachloroethene
Concen: 3.113 ug/L
RT: 10.865 min Scan# 1469
Delta R.T. 0.006 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

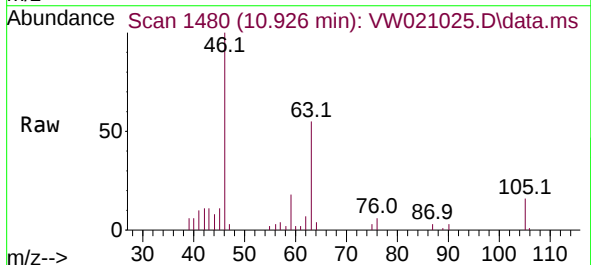
Instrument :
MSVOA_W
ClientSampleId :



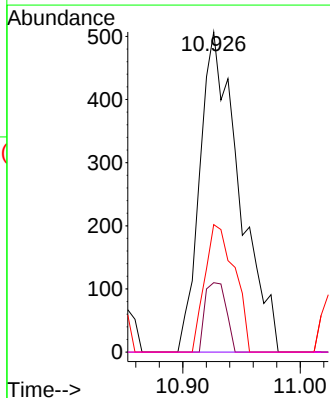
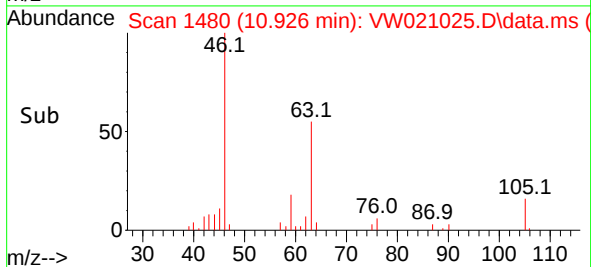
Tgt Ion:164 Resp: 819
Ion Ratio Lower Upper
164 100
129 78.8 65.5 121.7
131 80.2 59.7 110.9
166 124.7 88.7 164.7

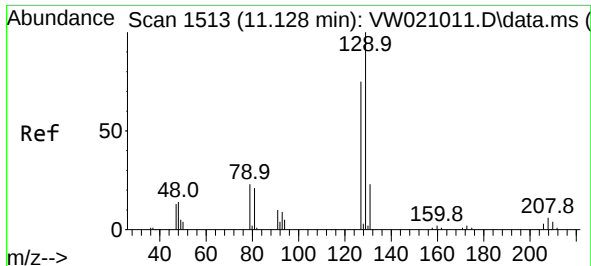


#48
2-Hexanone
Concen: 12.026 ug/L
RT: 10.926 min Scan# 1480
Delta R.T. -0.037 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28



Tgt Ion: 43 Resp: 1182
Ion Ratio Lower Upper
43 100
58 11.6 40.2 60.2#
57 30.0 14.3 21.5#
100 0.0 8.0 12.0#





#49

Dibromochloromethane

Concen: 2.879 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.269 min

Lab File: VW021025.D

Acq: 02 Dec 2021 05:28

Instrument :

MSVOA_W

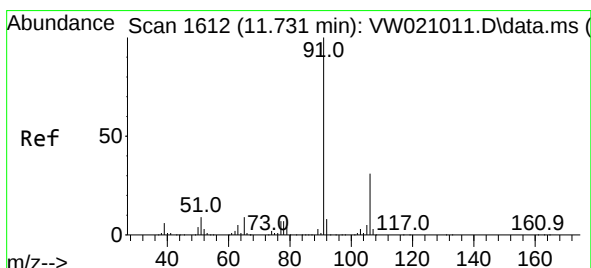
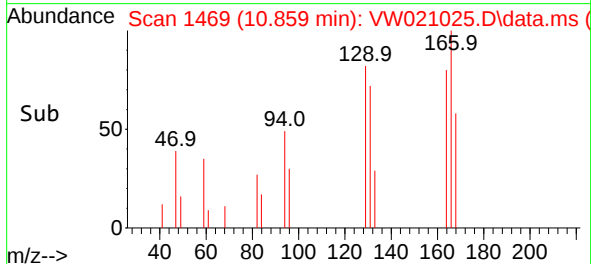
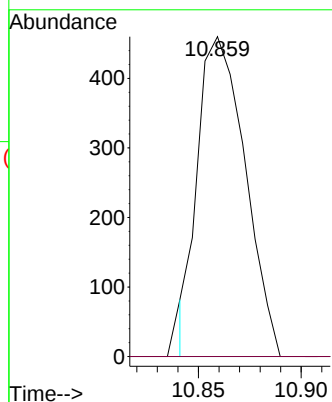
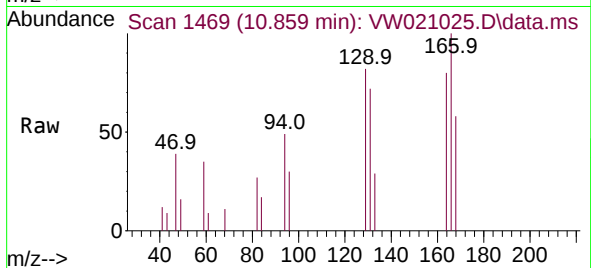
ClientSampleId :

Tgt Ion:129 Resp: 736

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#52

Ethylbenzene

Concen: 5.818 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VW021025.D

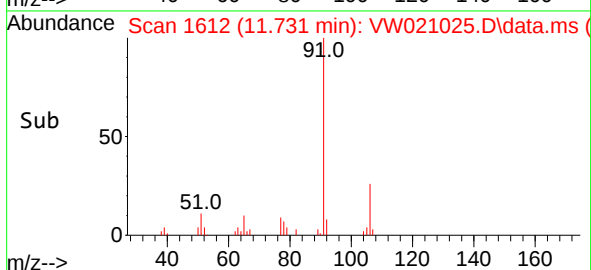
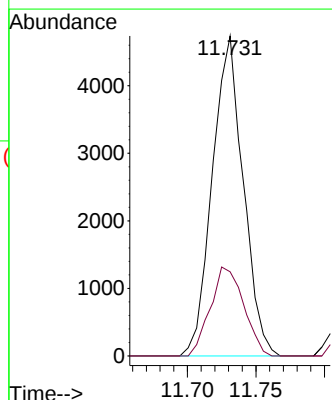
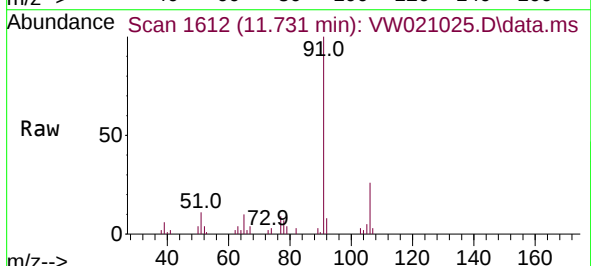
Acq: 02 Dec 2021 05:28

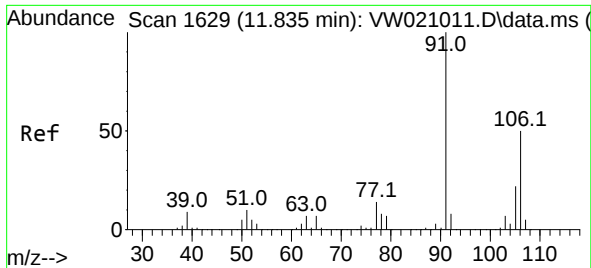
Tgt Ion: 91 Resp: 7428

Ion Ratio Lower Upper

91 100

106 26.3 21.5 39.9

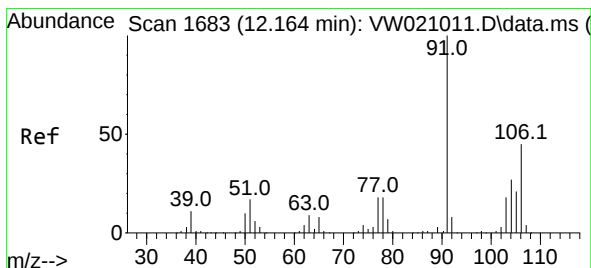
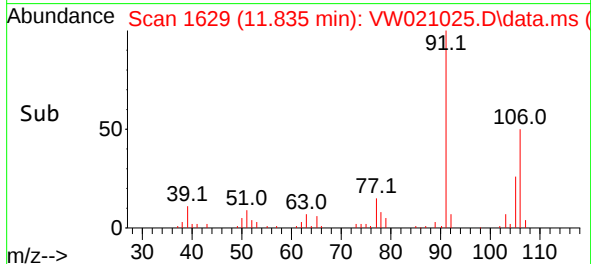
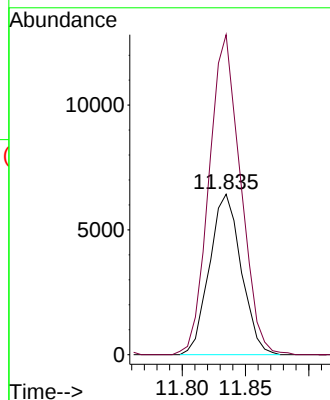
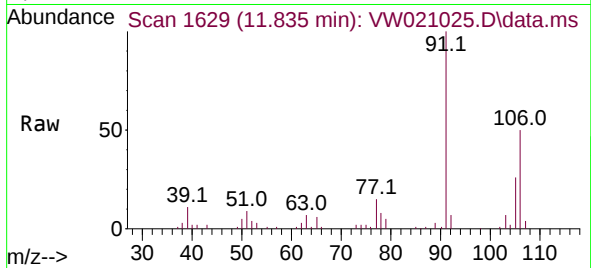




#53
m,p-Xylene
Concen: 21.567 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

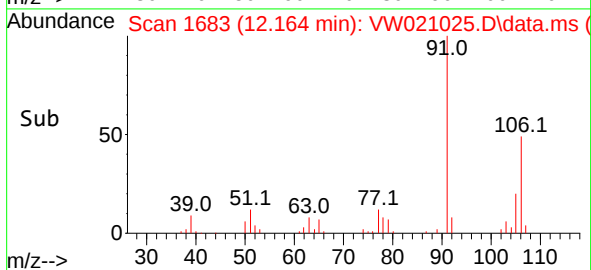
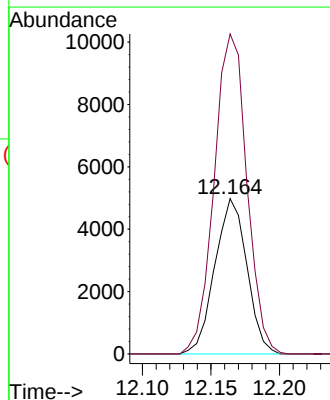
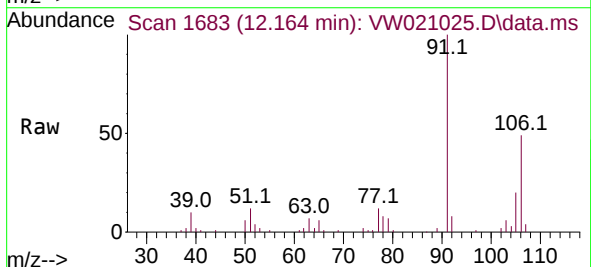
Instrument :
MSVOA_W
ClientSampleId :

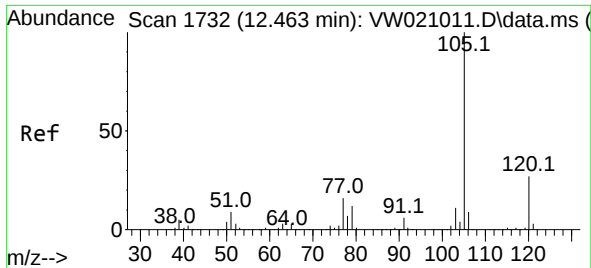
Tgt Ion:106 Resp: 11242
Ion Ratio Lower Upper
106 100
91 199.4 149.9 278.3



#54
o-Xylene
Concen: 16.190 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

Tgt Ion:106 Resp: 8105
Ion Ratio Lower Upper
106 100
91 206.0 153.6 285.3

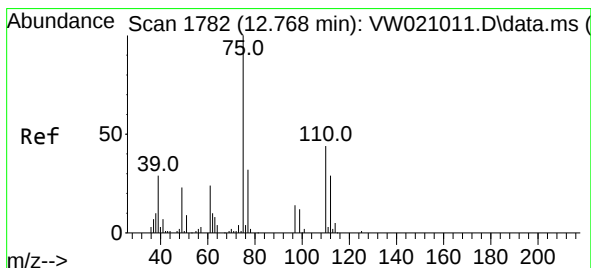
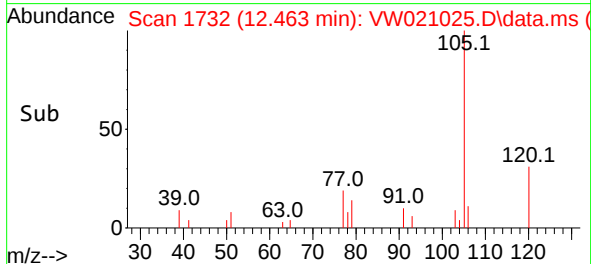
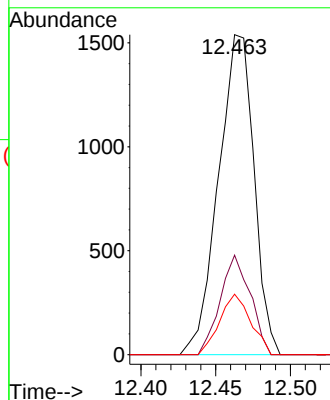
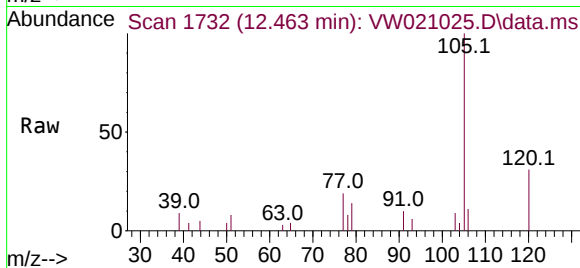




#60
Isopropylbenzene
Concen: 7.447 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

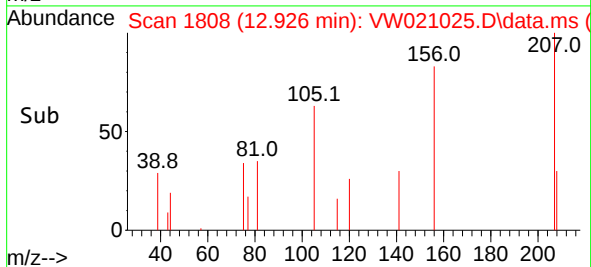
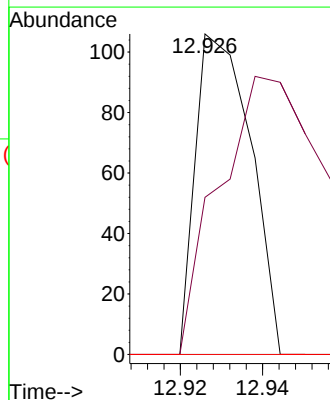
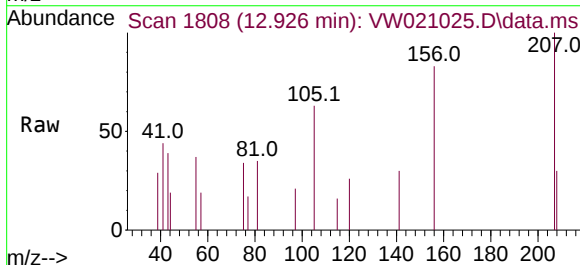
Instrument :
MSVOA_W
ClientSampleId :

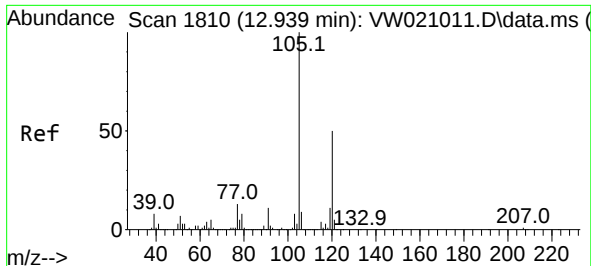
Tgt Ion:	105	Resp:	2542
Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.1	30.1
77	16.5	13.8	20.8



#61
1,2,3-Trichloropropane
Concen: 2.693 ug/L
RT: 12.926 min Scan# 1808
Delta R.T. 0.158 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

Tgt Ion:	75	Resp:	99
Ion	Ratio	Lower	Upper
75	100		
77	156.6	25.8	38.8#
110	0.0	29.0	43.4#





#62

1,3,5-Trimethylbenzene

Concen: 12.072 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.311 min

Lab File: VW021025.D

Acq: 02 Dec 2021 05:28

Instrument :

MSVOA_W

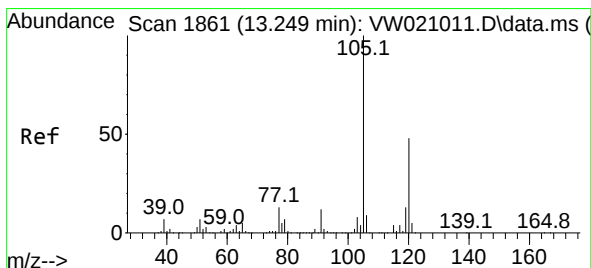
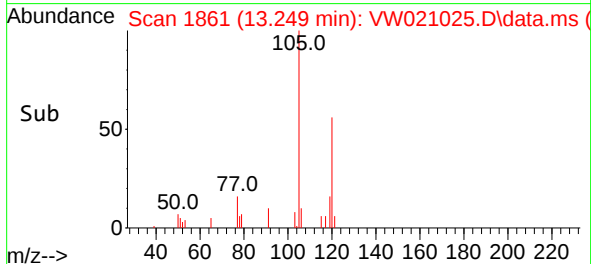
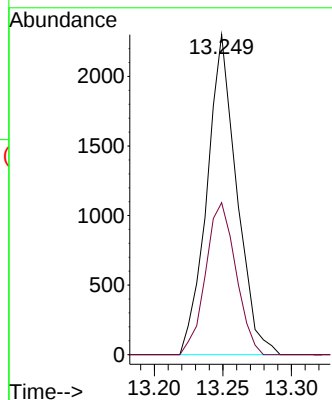
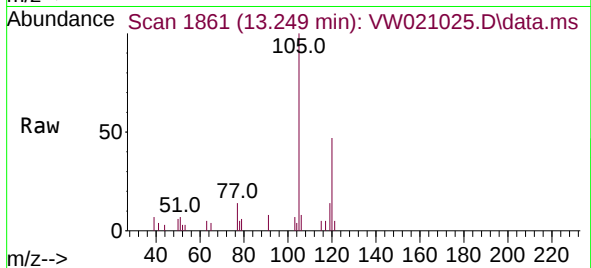
ClientSampleId :

Tgt Ion:105 Resp: 3476

Ion Ratio Lower Upper

105 100

120 48.2 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 12.236 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021025.D

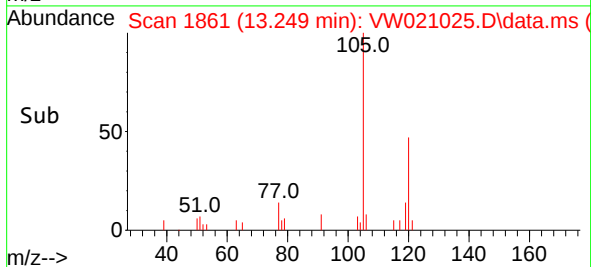
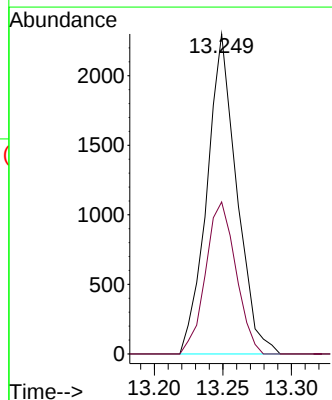
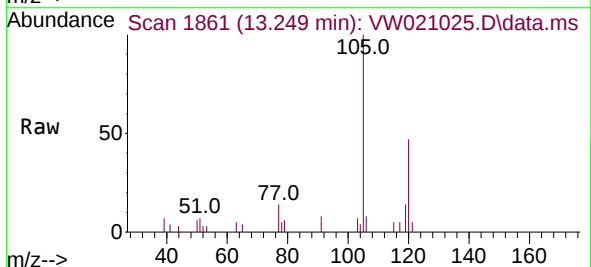
Acq: 02 Dec 2021 05:28

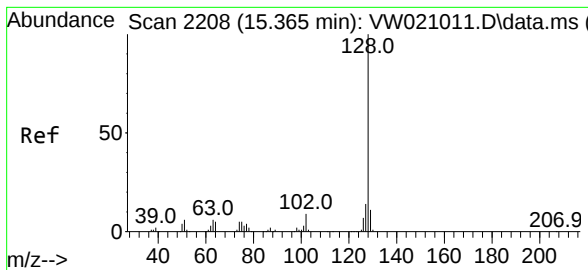
Tgt Ion:105 Resp: 3476

Ion Ratio Lower Upper

105 100

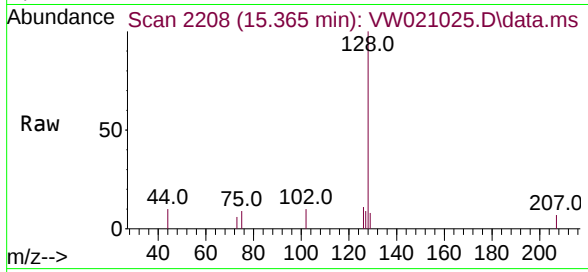
120 48.2 35.0 52.6





#71
Naphthalene
Concen: 8.570 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021025.D
Acq: 02 Dec 2021 05:28

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	128	Resp:	1448
Ion	Ratio	Lower	Upper
128	100		
127	10.2	10.7	16.1#
129	4.1	8.6	12.8#

