

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
 Data File : VW021254.D
 Acq On : 09 Dec 2021 20:35
 Operator : SY/VA
 Sample : M4883-11RE
 Misc : 2.94g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 10 00:33:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 10 00:28:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	59064	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	28936	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	4617	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	33364	31.016	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 124.080%	
7) Chloroethane-d5	2.885	69	24756	34.812	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 139.240%	
11) 1,1-Dichloroethene-d2	4.013	63	33241	23.179	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 92.720%	
21) 2-Butanone-d5	7.080	46	13179	86.914	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 173.820%#	
24) Chloroform-d	7.647	84	53394	32.439	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 129.760%	
26) 1,2-Dichloroethane-d4	8.305	65	27072	30.920	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 123.680%	
32) Benzene-d6	8.275	84	90824	57.263	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 229.040%#	
36) 1,2-Dichloropropane-d6	9.274	67	28114	66.093	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 264.360%#	
41) Toluene-d8	10.323	98	61591	38.006	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 152.040%#	
43) trans-1,3-Dichloroprop...	10.579	79	5285	26.984	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 107.920%	
47) 2-Hexanone-d5	10.920	63	7072	112.432	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 224.860%#	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	14540	39.763	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 159.040%#	
66) 1,2-Dichlorobenzene-d4	13.847	152	4869	27.211	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 108.840%	
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	464	3.413	ug/L	67
16) Methylene chloride	4.928	84	5946	6.093	ug/L	# 68
27) 1,2-Dichloroethane	8.397	62	1135	1.241	ug/L	# 77
33) Benzene	8.323	78	1930	1.224	ug/L	100
34) Trichloroethene	9.092	95	120147	271.525	ug/L	91
35) Methylcyclohexane	9.335	83	1144	1.567	ug/L	87
37) 1,2-Dichloropropane	9.274	63	3557	10.117	ug/L	# 88
39) cis-1,3-Dichloropropene	10.030	75	717	1.294	ug/L	# 73
42) Toluene	10.390	91	9108	4.940	ug/L	99
46) Tetrachloroethene	10.860	164	2399	5.707	ug/L	92
48) 2-Hexanone	10.927	43	1126	8.105	ug/L	# 70
49) Dibromochloromethane	10.860	129	1990	5.609	ug/L	# 10
52) Ethylbenzene	11.731	91	1074	0.510	ug/L	93
53) m,p-Xylene	11.835	106	1793	2.110	ug/L	99
54) o-Xylene	12.164	106	1030	1.277	ug/L	72
60) Isopropylbenzene	12.463	105	590	0.940	ug/L	# 93
61) 1,2,3-Trichloropropane	12.603	75	242	3.601	ug/L	# 64
62) 1,3,5-Trimethylbenzene	12.938	105	349	0.654	ug/L	99
63) 1,2,4-Trimethylbenzene	13.243	105	930	1.766	ug/L	97

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

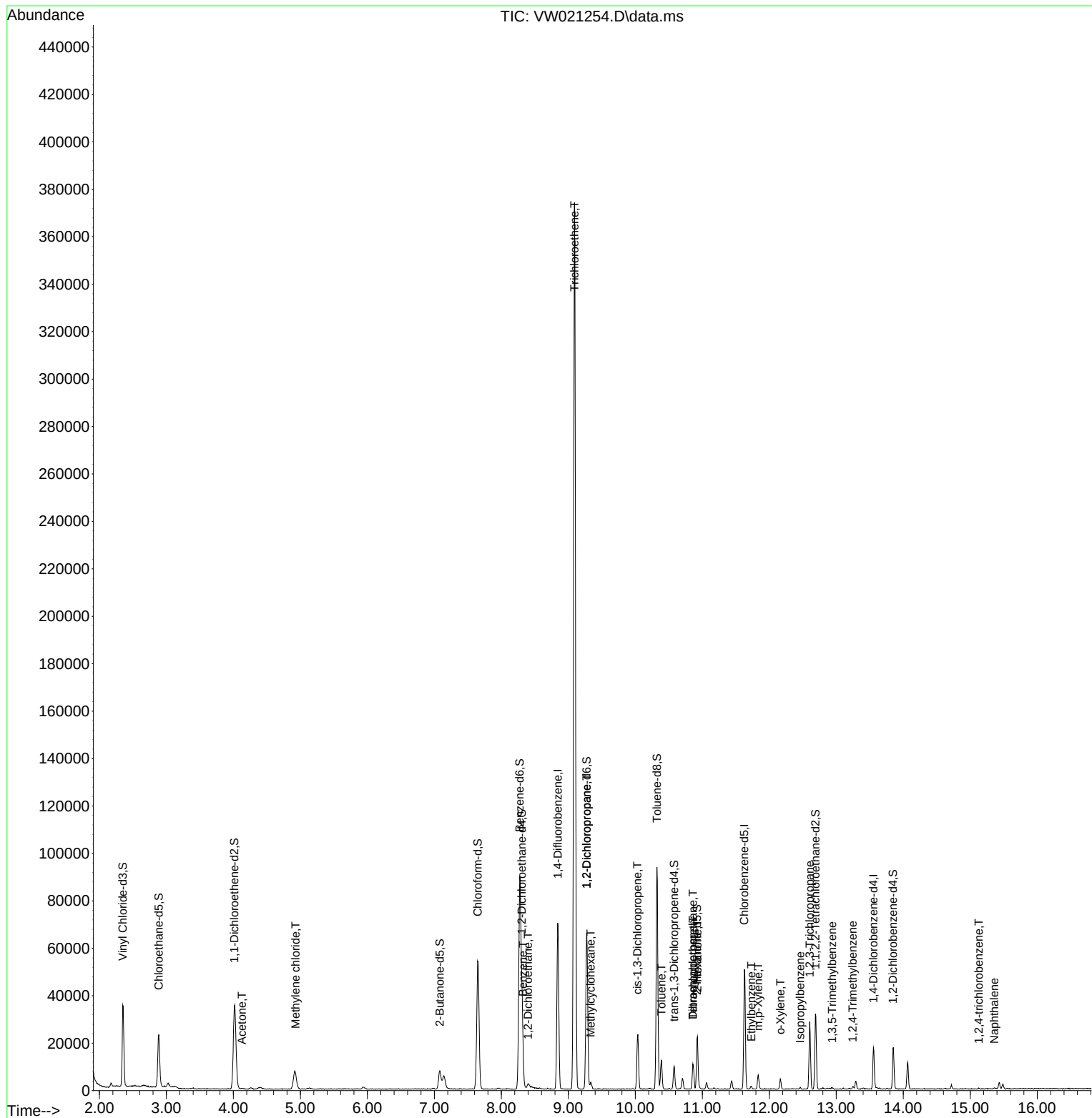
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	15.127	180	178	1.001	ug/L #	57
71) Naphthalene	15.359	128	545	1.886	ug/L #	69

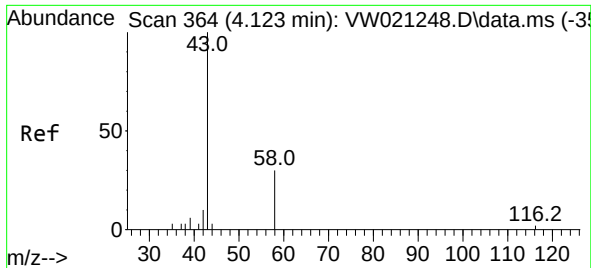
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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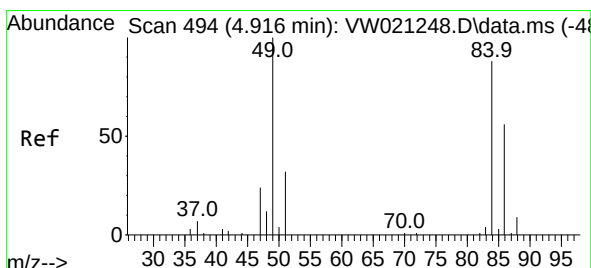
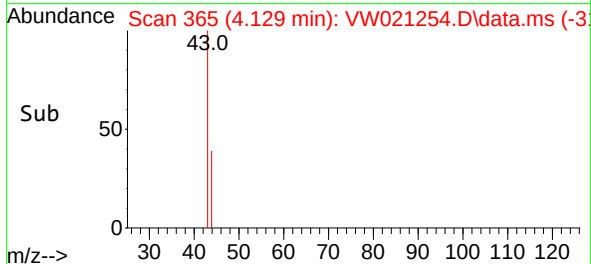
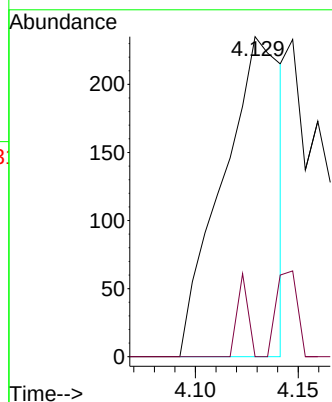
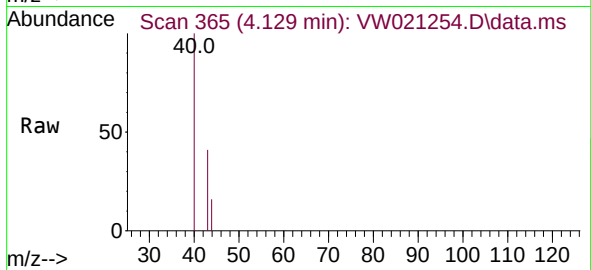




#13
Acetone
Concen: 3.413 ug/L
RT: 4.129 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35

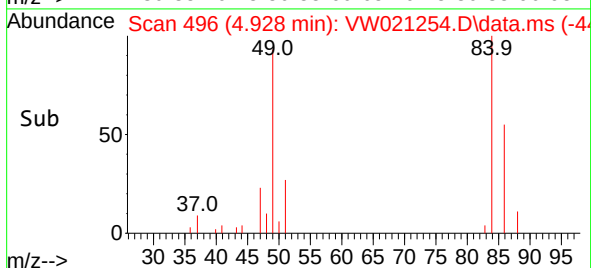
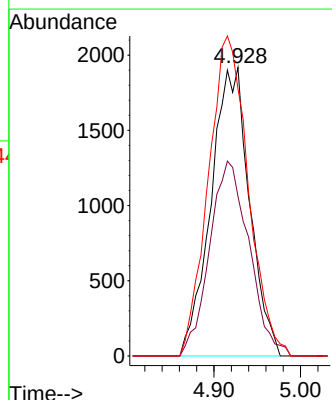
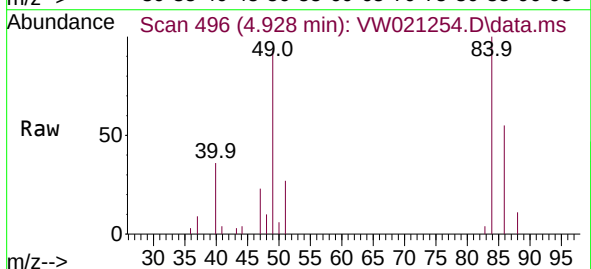
Instrument :
MSVOA_W
ClientSampleId :

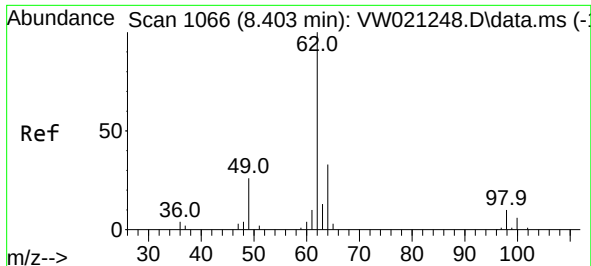
Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
58 9.7 0.0 52.8



#16
Methylene chloride
Concen: 6.093 ug/L
RT: 4.928 min Scan# 496
Delta R.T. 0.012 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35

Tgt Ion: 84 Resp: 5946
Ion Ratio Lower Upper
84 100
86 55.4 45.5 84.5
49 92.7 100.5 186.7#





#27

1,2-Dichloroethane

Concen: 1.241 ug/L

RT: 8.397 min Scan# 1066

Delta R.T. -0.006 min

Lab File: VW021254.D

Acq: 09 Dec 2021 20:35

Instrument :

MSVOA_W

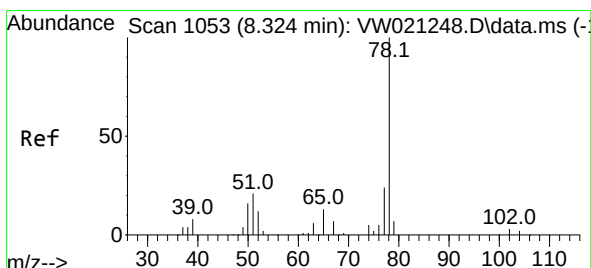
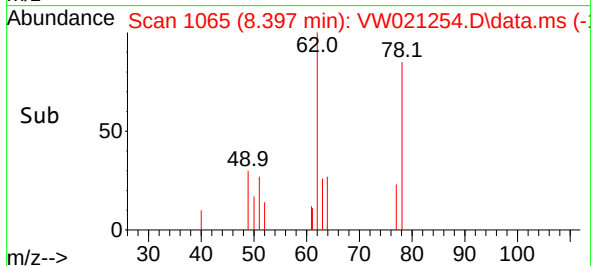
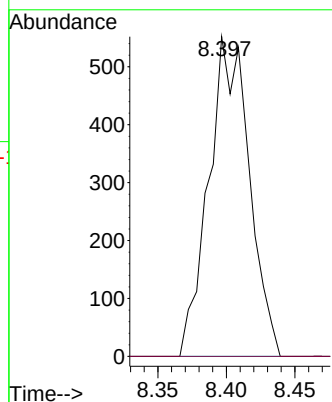
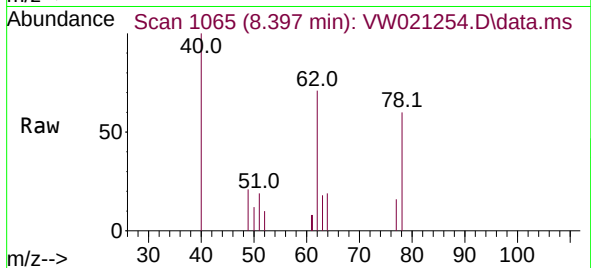
ClientSampleId :

Tgt Ion: 62 Resp: 1135

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#



#33

Benzene

Concen: 1.224 ug/L

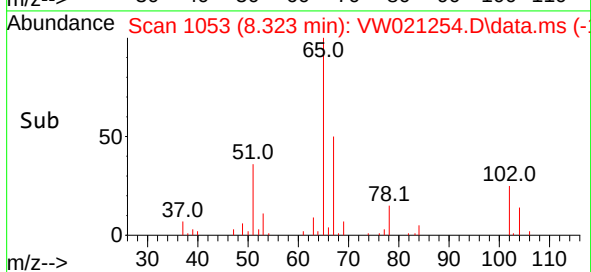
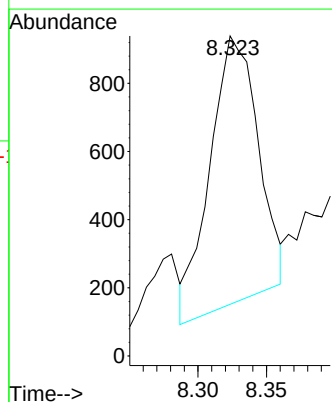
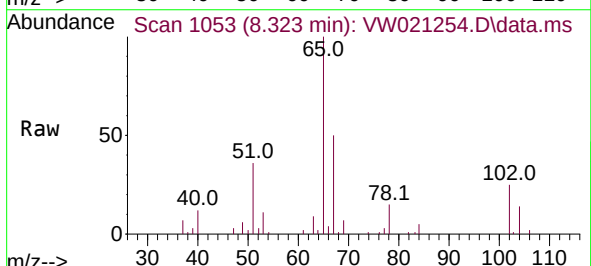
RT: 8.323 min Scan# 1053

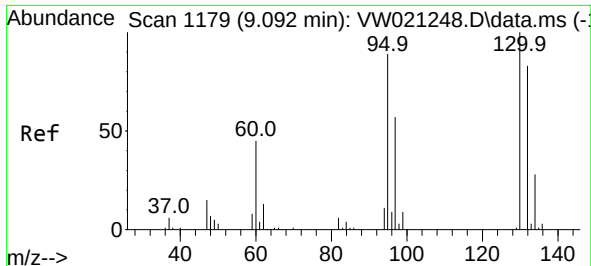
Delta R.T. -0.000 min

Lab File: VW021254.D

Acq: 09 Dec 2021 20:35

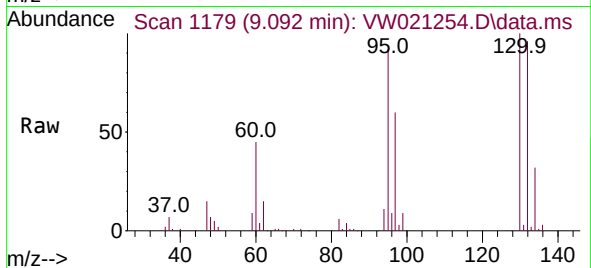
Tgt Ion: 78 Resp: 1930



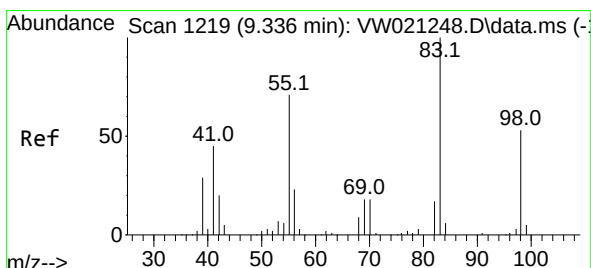
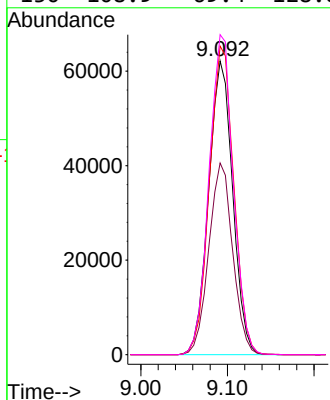
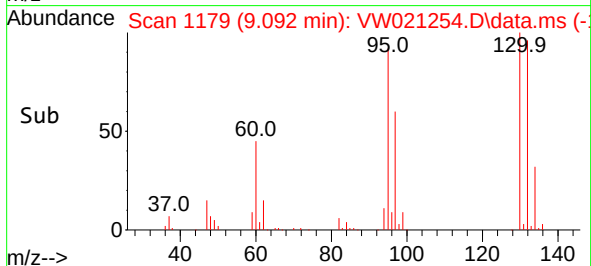


#34
Trichloroethene
Concen: 271.525 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35

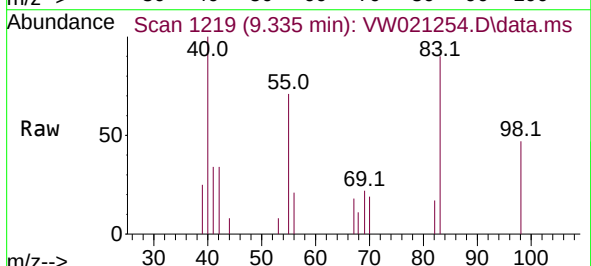
Instrument :
MSVOA_W
ClientSampleId :



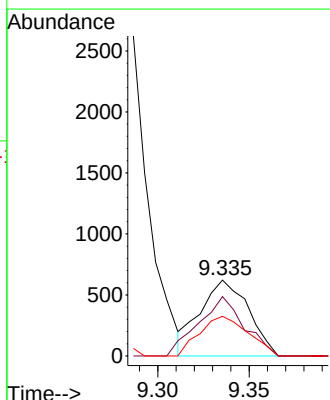
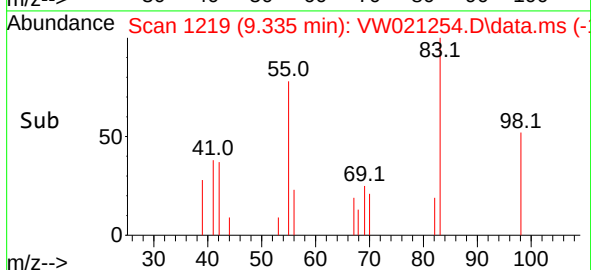
Tgt Ion: 95 Resp: 120147
Ion Ratio Lower Upper
95 100
97 65.3 47.0 87.2
132 105.1 65.5 121.6
130 108.9 69.4 128.8

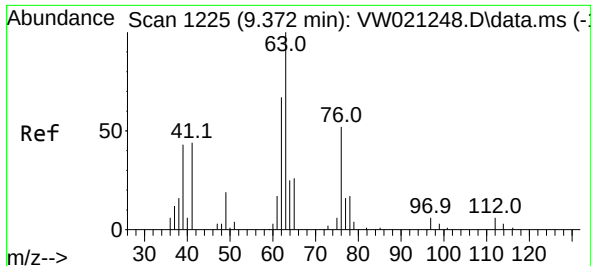


#35
Methylcyclohexane
Concen: 1.567 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35



Tgt Ion: 83 Resp: 1144
Ion Ratio Lower Upper
83 100
55 73.4 70.8 106.2
98 52.4 37.7 56.5





#37

1,2-Dichloropropane

Concen: 10.117 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021254.D

Acq: 09 Dec 2021 20:35

Instrument :

MSVOA_W

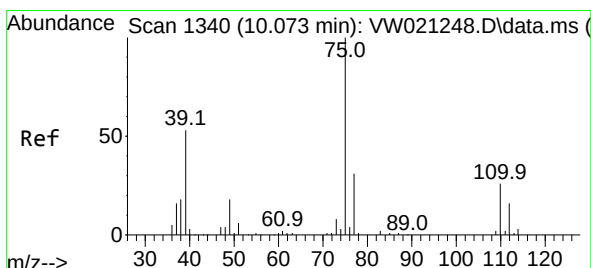
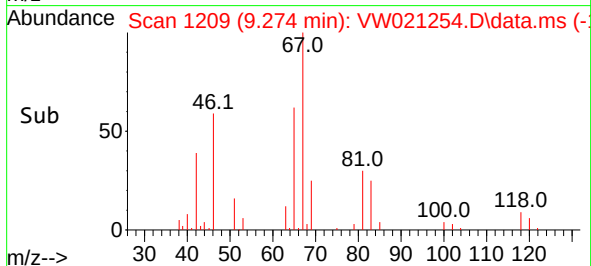
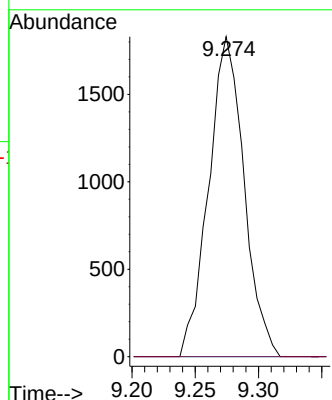
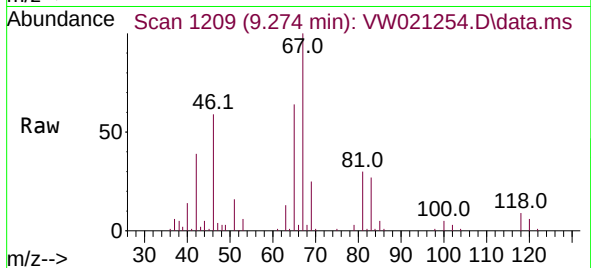
ClientSampleId :

Tgt Ion: 63 Resp: 3557

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.294 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021254.D

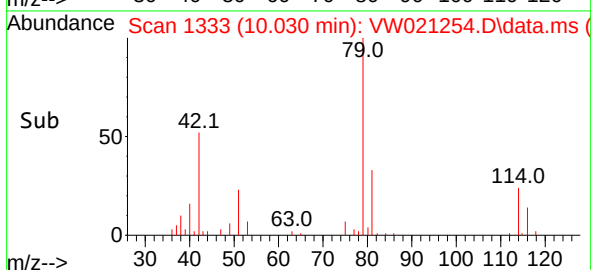
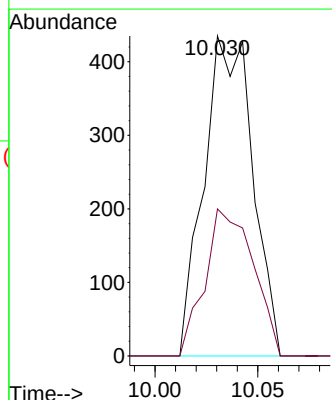
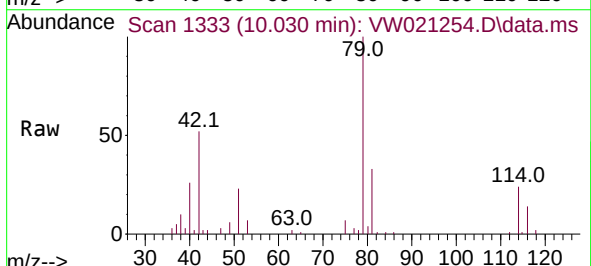
Acq: 09 Dec 2021 20:35

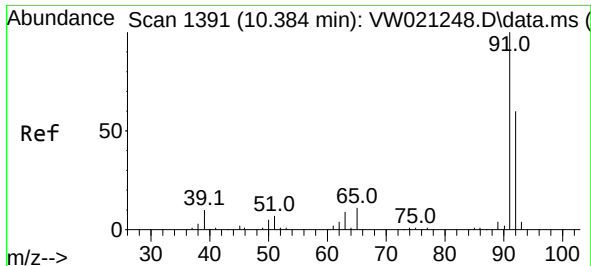
Tgt Ion: 75 Resp: 717

Ion Ratio Lower Upper

75 100

77 46.0 21.8 40.6#

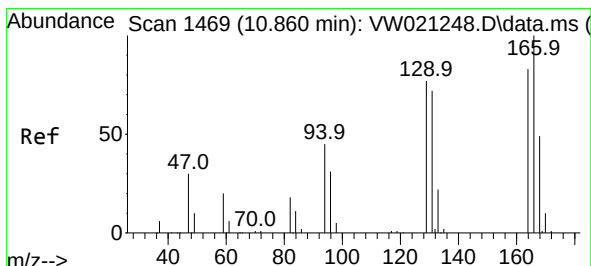
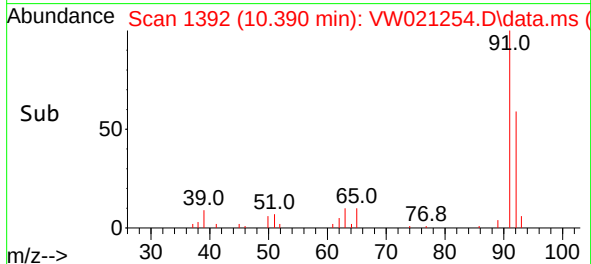
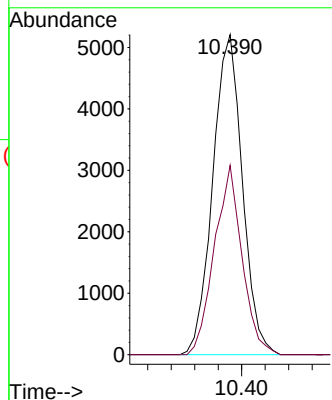
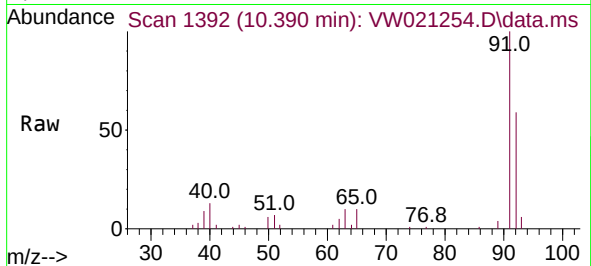




#42
Toluene
Concen: 4.940 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35

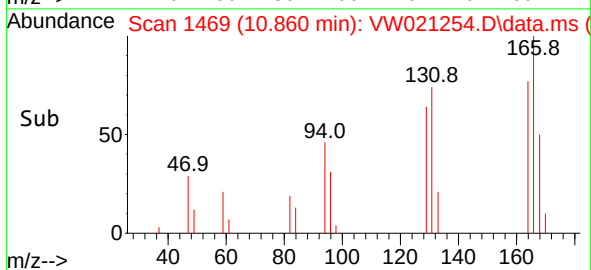
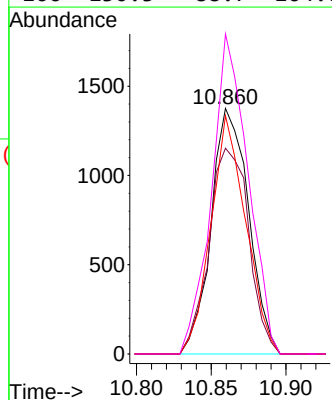
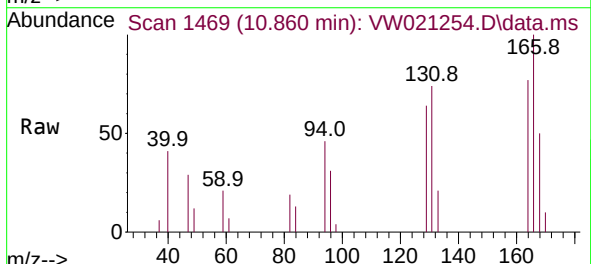
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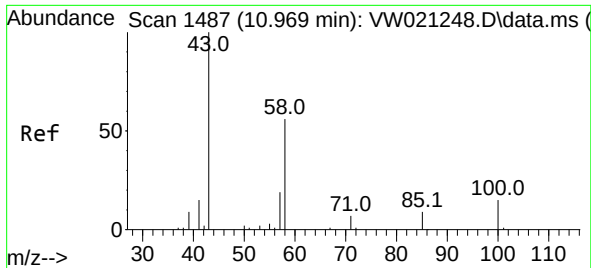
Tgt Ion: 91 Resp: 9108
Ion Ratio Lower Upper
91 100
92 59.2 41.7 77.5



#46
Tetrachloroethene
Concen: 5.707 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021254.D
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Tgt Ion: 164 Resp: 2399
Ion Ratio Lower Upper
164 100
129 83.8 65.5 121.7
131 97.0 59.7 110.9
166 130.3 88.7 164.7

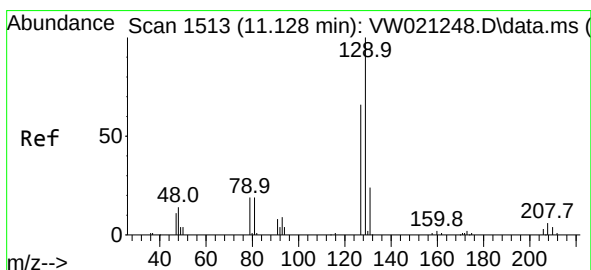
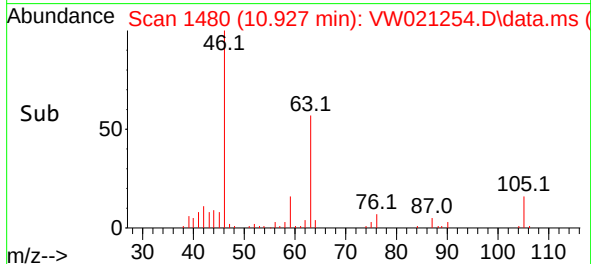
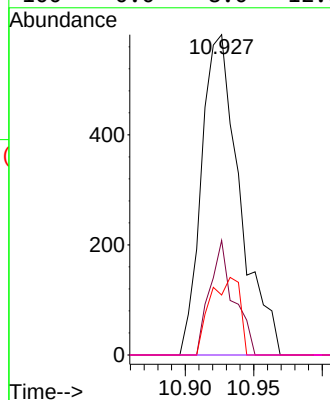
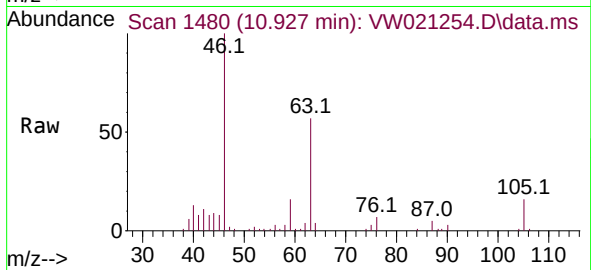




#48
2-Hexanone
Concen: 8.105 ug/L
RT: 10.927 min Scan# 1487
Delta R.T. -0.043 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35

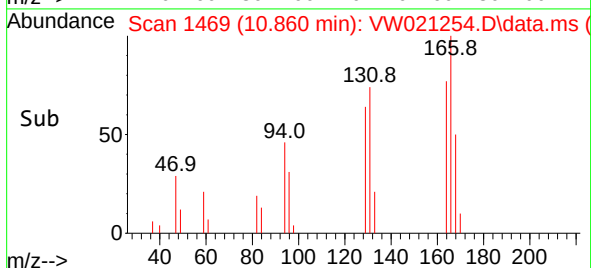
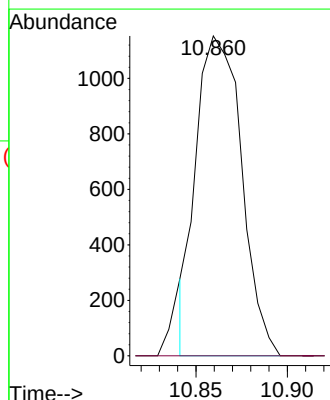
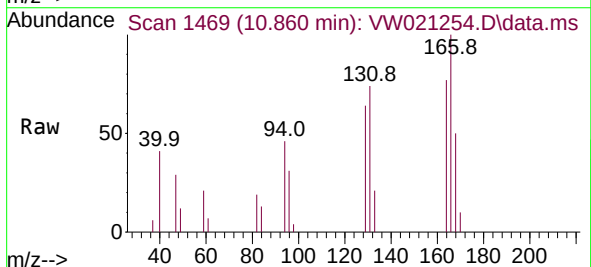
Instrument :
MSVOA_W
ClientSampleId :

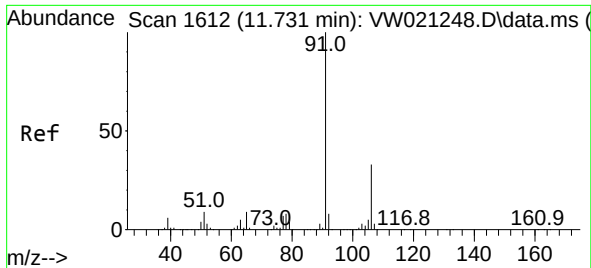
Tgt Ion: 43	Resp: 1126
Ion Ratio	Lower Upper
43	100
58	22.6 40.2 60.2#
57	18.8 14.3 21.5
100	0.0 8.0 12.0#



#49
Dibromochloromethane
Concen: 5.609 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35

Tgt Ion: 129	Resp: 1990
Ion Ratio	Lower Upper
129	100
127	0.0 55.7 103.5#





#52

Ethylbenzene

Concen: 0.510 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021254.D

Acq: 09 Dec 2021 20:35

Instrument :

MSVOA_W

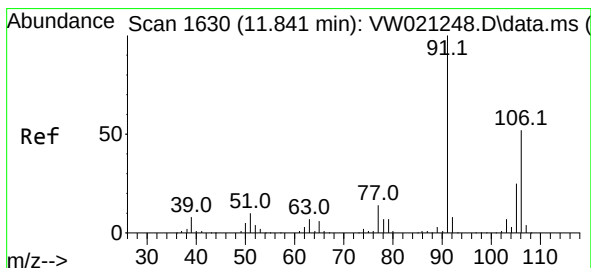
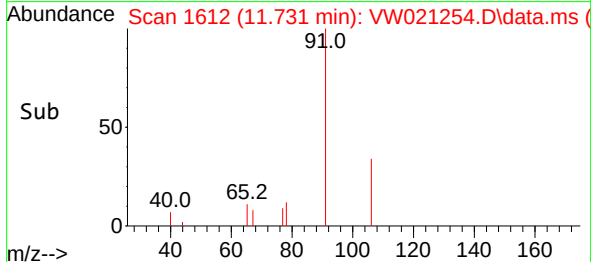
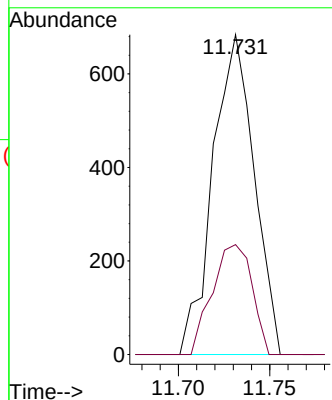
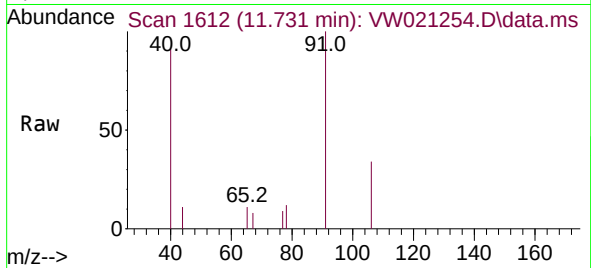
ClientSampleId :

Tgt Ion: 91 Resp: 1074

Ion Ratio Lower Upper

91 100

106 34.4 21.5 39.9



#53

m,p-Xylene

Concen: 2.110 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW021254.D

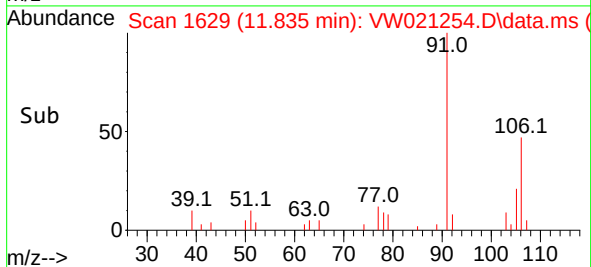
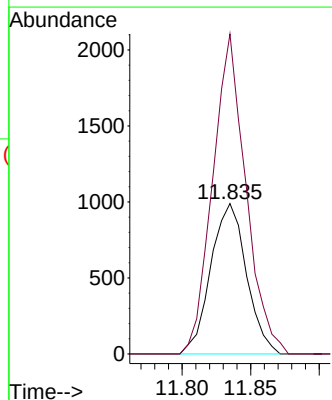
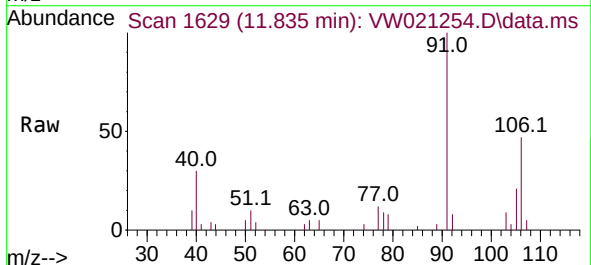
Acq: 09 Dec 2021 20:35

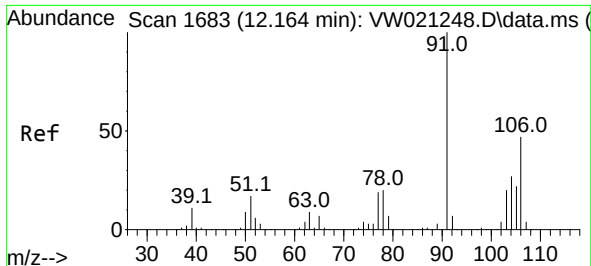
Tgt Ion:106 Resp: 1793

Ion Ratio Lower Upper

106 100

91 212.8 149.9 278.3

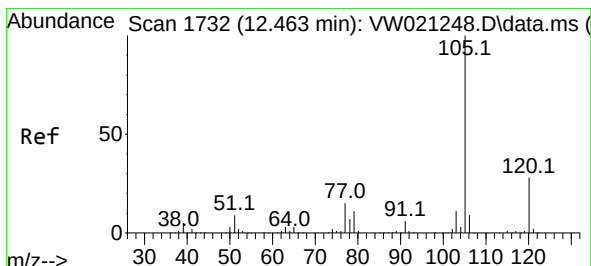
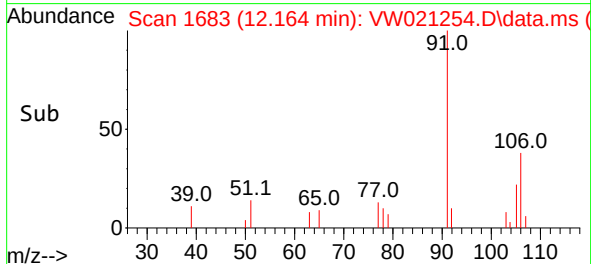
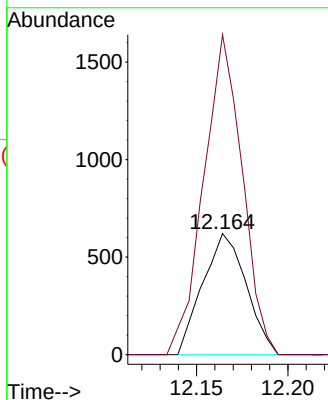
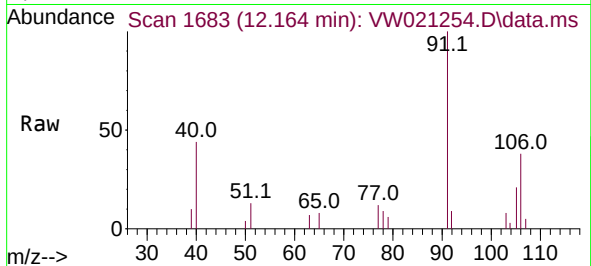




#54
o-Xylene
Concen: 1.277 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35

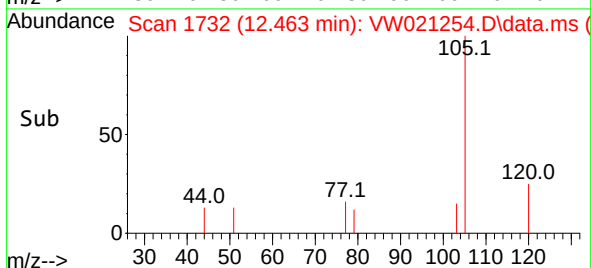
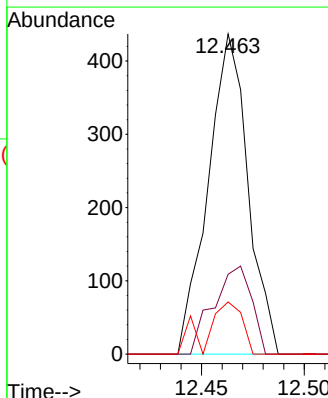
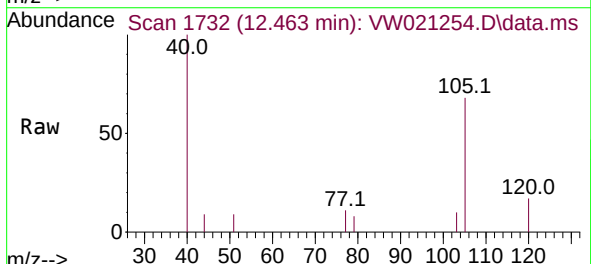
Instrument :
MSVOA_W
ClientSampleId :

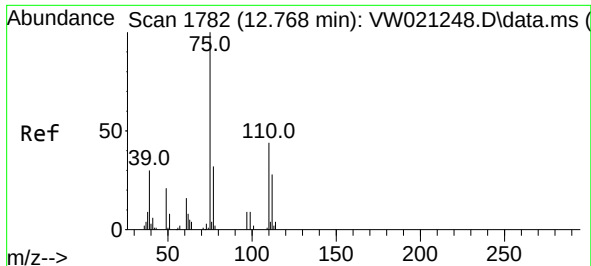
Tgt Ion:106 Resp: 1030
Ion Ratio Lower Upper
106 100
91 264.1 153.6 285.3



#60
Isopropylbenzene
Concen: 0.940 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35

Tgt Ion:105 Resp: 590
Ion Ratio Lower Upper
105 100
120 26.3 20.1 30.1
77 11.4 13.8 20.8#





#61

1,2,3-Trichloropropane

Concen: 3.601 ug/L

RT: 12.603 min Scan# 1755

Delta R.T. -0.165 min

Lab File: VW021254.D

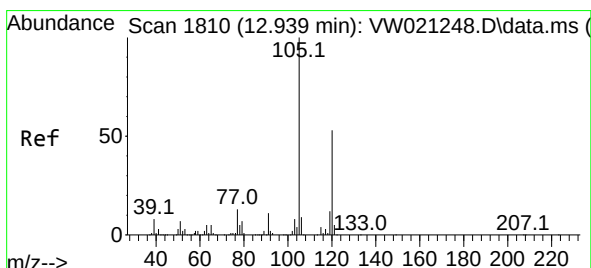
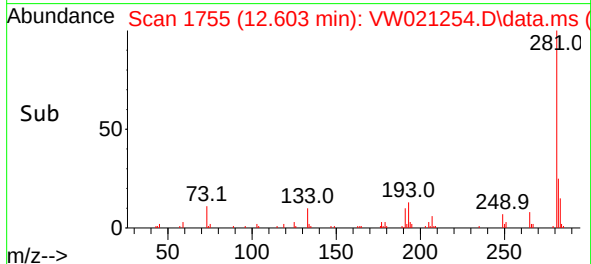
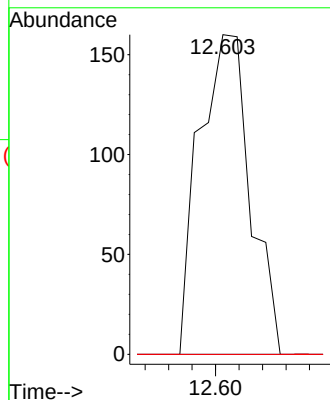
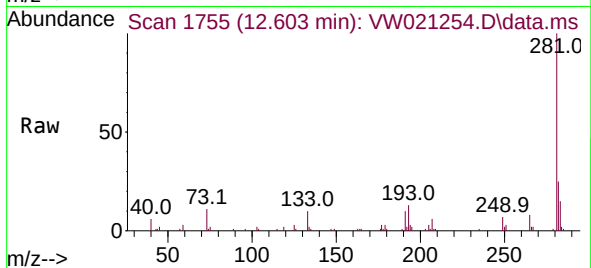
Acq: 09 Dec 2021 20:35

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 75	Resp: 242
Ion Ratio	Lower Upper
75 100	
77 27.7	25.8 38.8
110 0.0	29.0 43.4#



#62

1,3,5-Trimethylbenzene

Concen: 0.654 ug/L

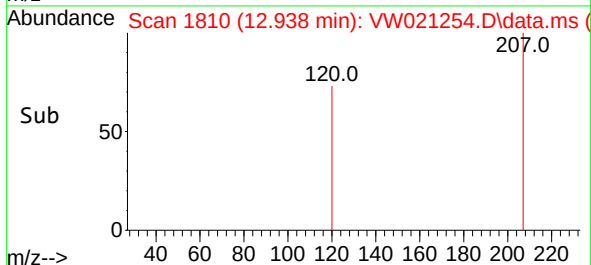
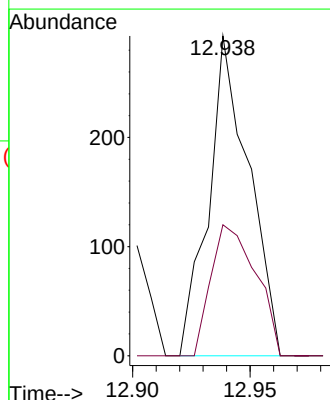
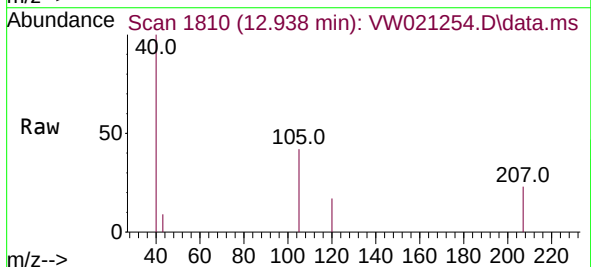
RT: 12.938 min Scan# 1810

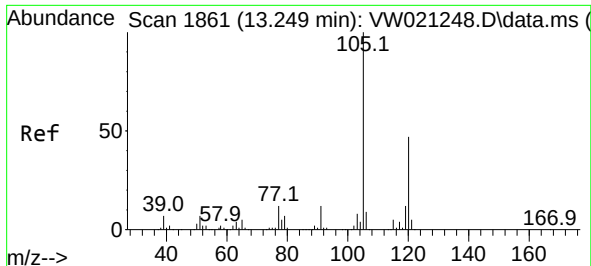
Delta R.T. -0.000 min

Lab File: VW021254.D

Acq: 09 Dec 2021 20:35

Tgt Ion: 105	Resp: 349
Ion Ratio	Lower Upper
105 100	
120 45.8	37.4 56.2

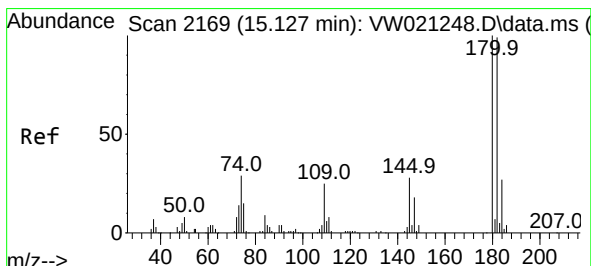
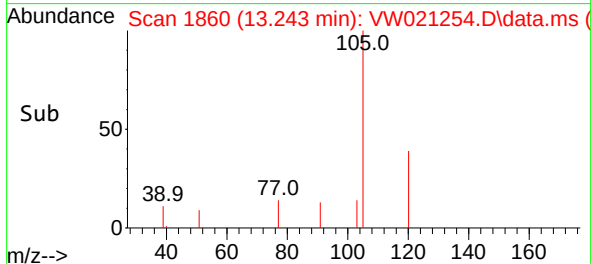
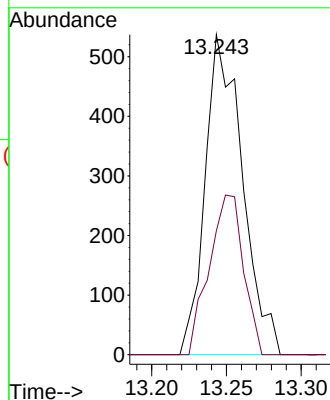
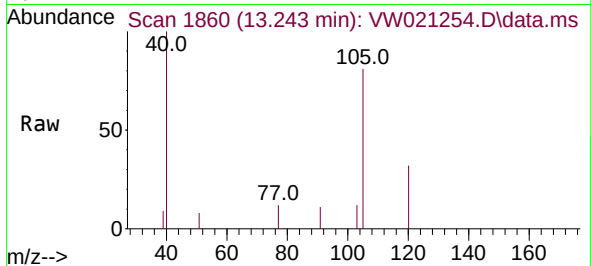




#63
1,2,4-Trimethylbenzene
Concen: 1.766 ug/L
RT: 13.243 min Scan# 1860
Delta R.T. -0.006 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35

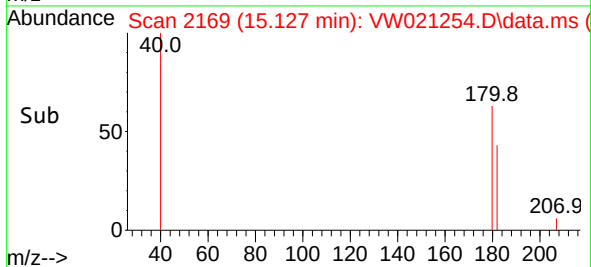
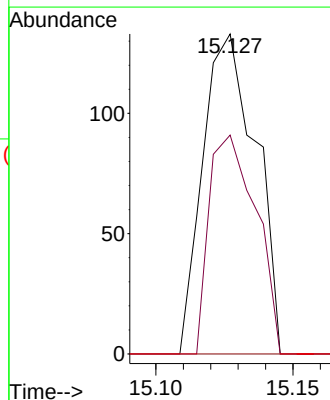
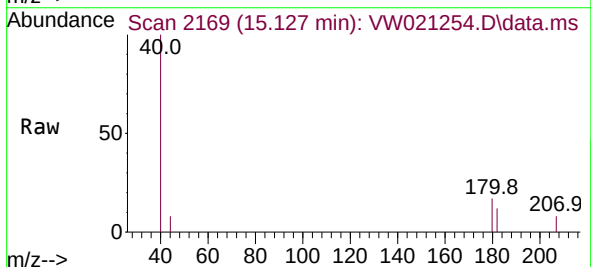
Instrument :
MSVOA_W
ClientSampleId :

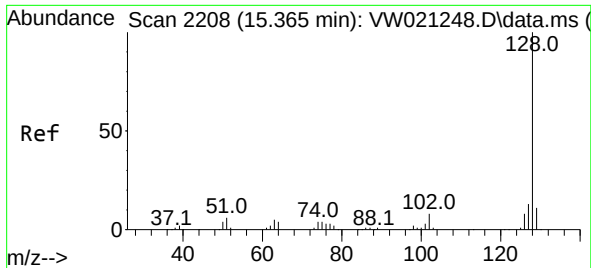
Tgt Ion:105 Resp: 930
Ion Ratio Lower Upper
105 100
120 45.9 35.0 52.6



#70
1,2,4-trichlorobenzene
Concen: 1.001 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW021254.D
Acq: 09 Dec 2021 20:35

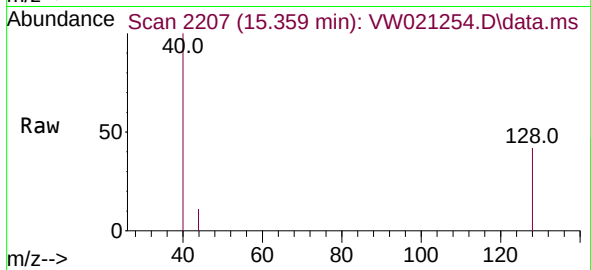
Tgt Ion:180 Resp: 178
Ion Ratio Lower Upper
180 100
182 60.7 79.0 118.6#
145 0.0 26.0 39.0#





#71
 Naphthalene
 Concen: 1.886 ug/L
 RT: 15.359 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW021254.D
 Acq: 09 Dec 2021 20:35

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:128 Resp: 545
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.6 12.8#

