

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120921\
 Data File : VW021256.D
 Acq On : 09 Dec 2021 21:23
 Operator : SY/VA
 Sample : M4883-12RE
 Misc : 3.25g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 10 00:33:45 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	59786	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	28970	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	4174	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	35908	32.978	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 131.920%	
7) Chloroethane-d5	2.879	69	25647	35.630	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 142.520%	
11) 1,1-Dichloroethene-d2	4.013	63	33893	23.348	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 93.400%	
21) 2-Butanone-d5	7.092	46	12183	79.375	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 158.760%#	
24) Chloroform-d	7.653	84	54696	32.829	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 131.320%	
26) 1,2-Dichloroethane-d4	8.305	65	27478	31.005	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 124.000%	
32) Benzene-d6	8.275	84	96467	60.749	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 243.000%#	
36) 1,2-Dichloropropane-d6	9.274	67	28936	67.946	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 271.800%#	
41) Toluene-d8	10.323	98	64279	39.618	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 158.480%#	
43) trans-1,3-Dichloroprop...	10.579	79	5543	28.268	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 113.080%	
47) 2-Hexanone-d5	10.927	63	6958	110.489	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 220.980%#	
56) 1,1,2,2-Tetrachloroeth...	12.695	84	14647	40.009	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 160.040%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	4357	26.934	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 107.720%	
Target Compounds						Qvalue
29) Cyclohexane	7.952	56	1050	1.821	ug/L	87
33) Benzene	8.330	78	993	0.629	ug/L	100
34) Trichloroethene	9.092	95	135585	306.055	ug/L	84
35) Methylcyclohexane	9.335	83	3042	4.163	ug/L #	89
37) 1,2-Dichloropropane	9.274	63	3615	10.269	ug/L #	88
39) cis-1,3-Dichloropropene	10.037	75	691	1.245	ug/L #	56
42) Toluene	10.390	91	8098	4.387	ug/L	92
45) 1,1,2-Trichloroethane	10.762	97	174	0.604	ug/L #	14
46) Tetrachloroethene	10.866	164	3101	7.369	ug/L	83
48) 2-Hexanone	10.927	43	1050	7.549	ug/L #	62
49) Dibromochloromethane	10.860	129	2610	7.348	ug/L #	10
52) Ethylbenzene	11.731	91	1093	0.518	ug/L	85
53) m,p-Xylene	11.835	106	1931	2.269	ug/L	87
54) o-Xylene	12.164	106	1259	1.559	ug/L	100
60) Isopropylbenzene	12.463	105	380	0.670	ug/L #	72
61) 1,2,3-Trichloropropane	12.597	75	265	4.362	ug/L #	54
62) 1,3,5-Trimethylbenzene	12.945	105	320	0.663	ug/L	93
63) 1,2,4-Trimethylbenzene	13.243	105	989	2.077	ug/L	92
71) Naphthalene	15.365	128	382	1.462	ug/L #	69

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MSVOA_W
ClientSampleId :

Quant Time: Dec 10 00:33:45 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

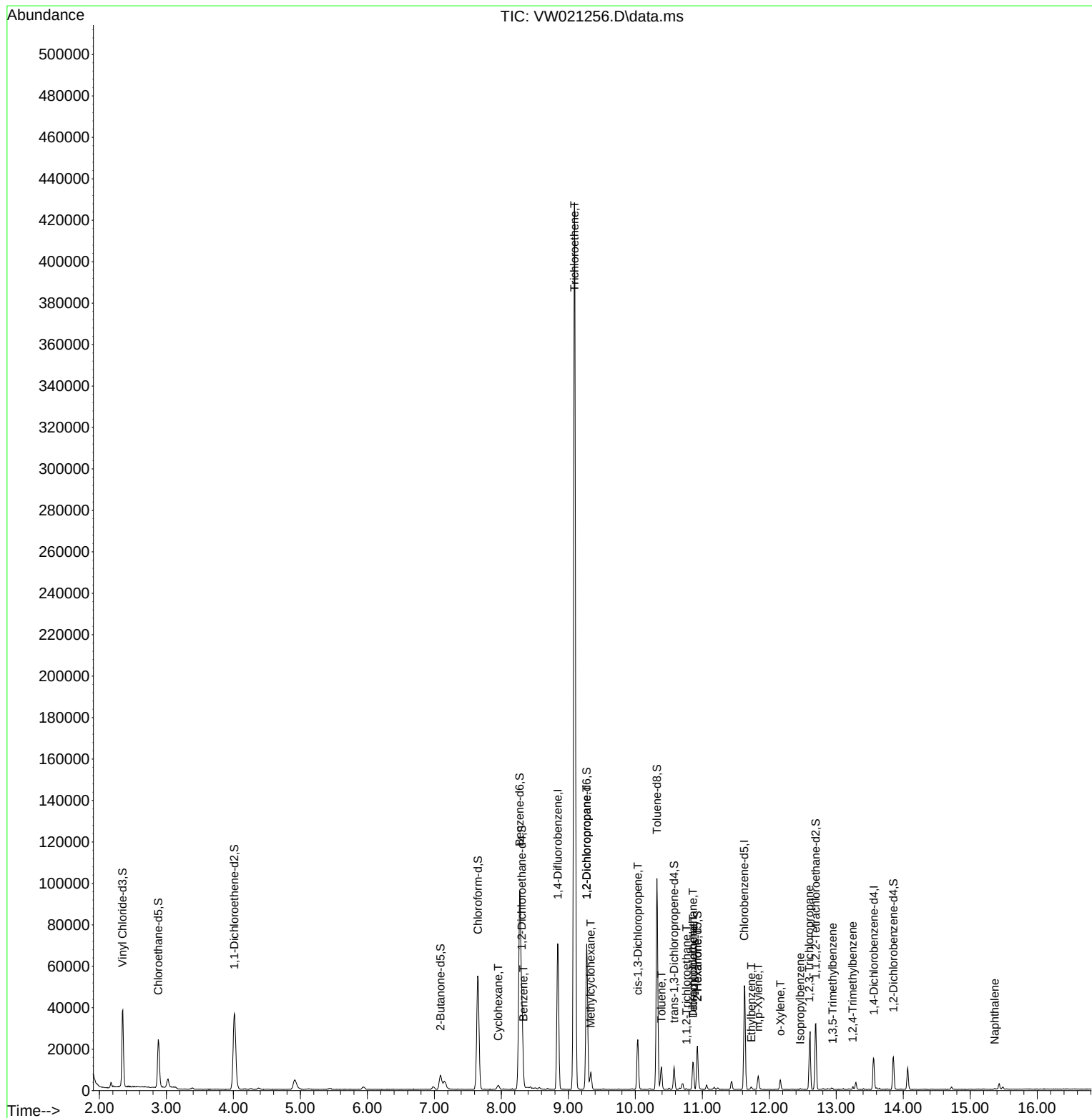
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

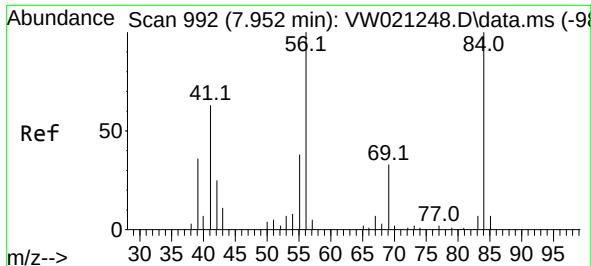
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#29

Cyclohexane

Concen: 1.821 ug/L

RT: 7.952 min Scan# 992

Delta R.T. -0.000 min

Lab File: VW021256.D

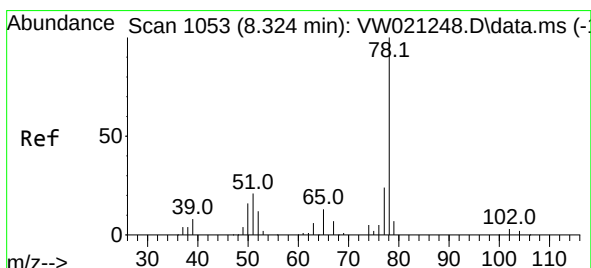
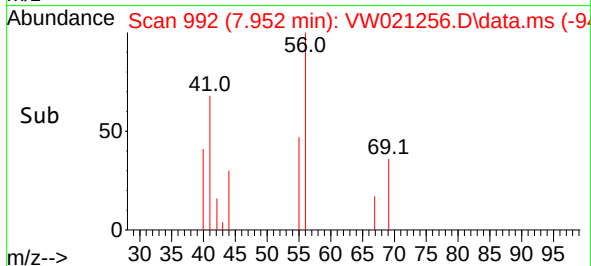
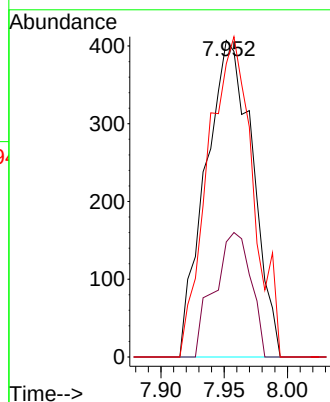
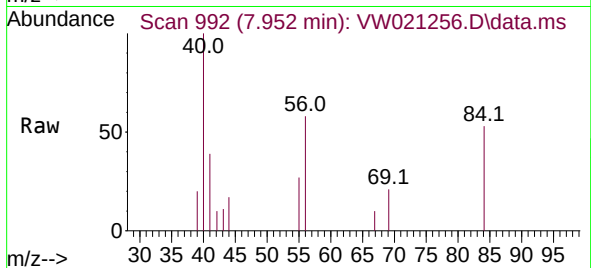
Acq: 09 Dec 2021 21:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	56	Resp:	1050
Ion	Ratio	Lower	Upper
56	100		
69	25.2	23.5	35.3
84	92.6	63.4	95.2



#33

Benzene

Concen: 0.629 ug/L

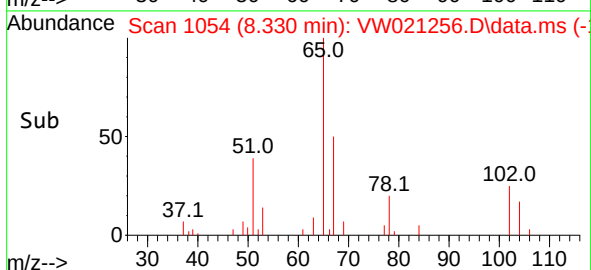
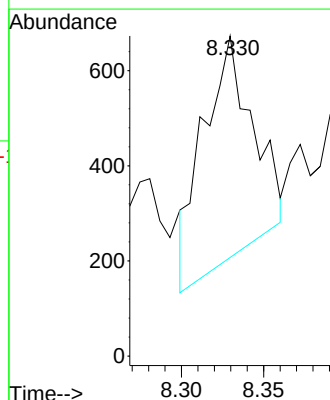
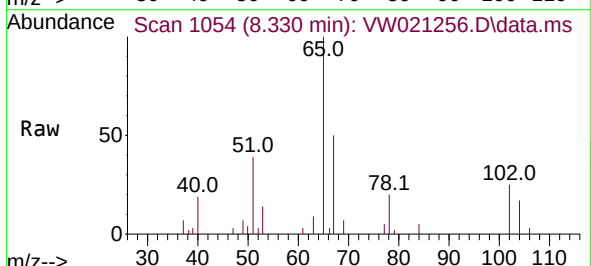
RT: 8.330 min Scan# 1054

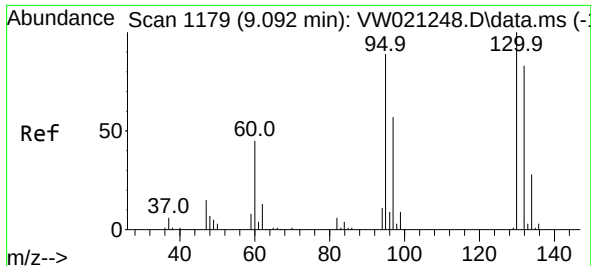
Delta R.T. 0.006 min

Lab File: VW021256.D

Acq: 09 Dec 2021 21:23

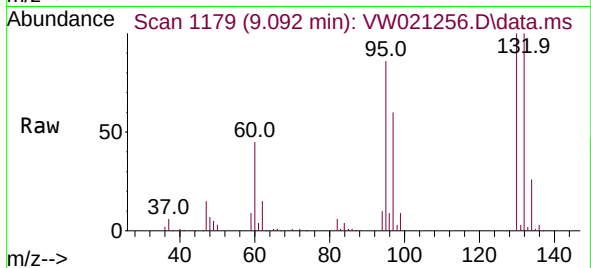
Tgt Ion: 78 Resp: 993





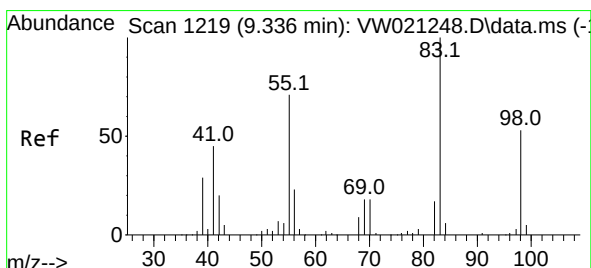
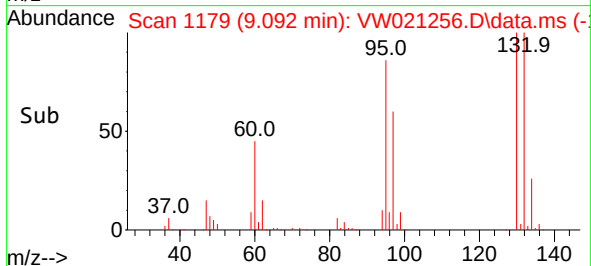
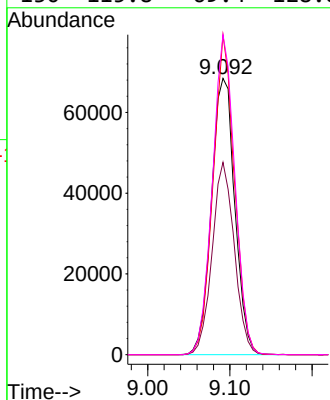
#34
Trichloroethene
Concen: 306.055 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021256.D
Acq: 09 Dec 2021 21:23

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 95 Resp: 135585

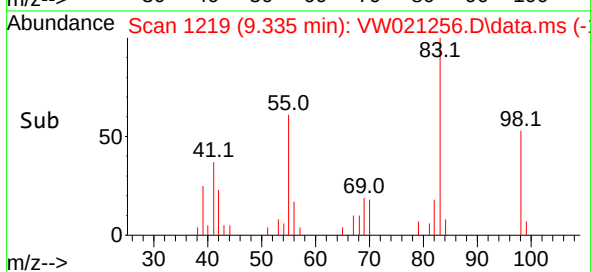
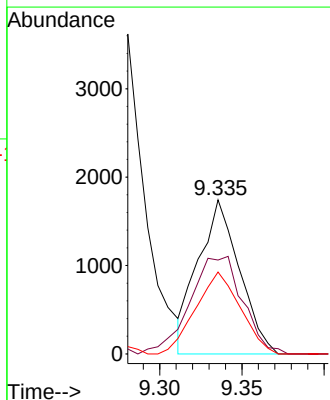
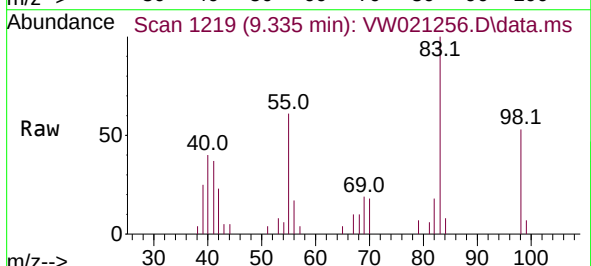
Ion	Ratio	Lower	Upper
95	100		
97	69.6	47.0	87.2
132	115.6	65.5	121.6
130	115.8	69.4	128.8

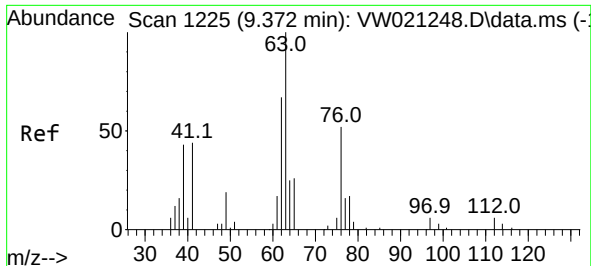


#35
Methylcyclohexane
Concen: 4.163 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021256.D
Acq: 09 Dec 2021 21:23

Tgt Ion: 83 Resp: 3042

Ion	Ratio	Lower	Upper
83	100		
55	80.7	70.8	106.2
98	57.5	37.7	56.5





#37

1,2-Dichloropropane

Concen: 10.269 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021256.D

Acq: 09 Dec 2021 21:23

Instrument :

MSVOA_W

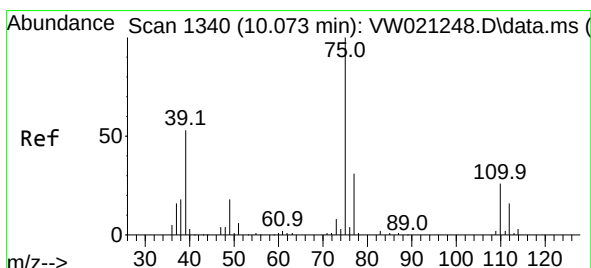
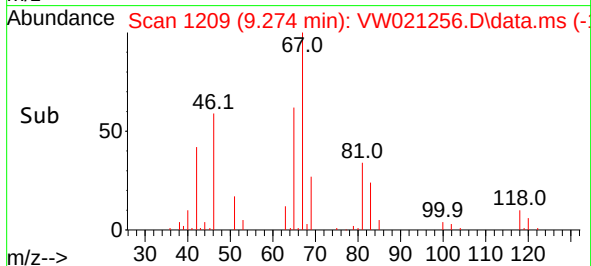
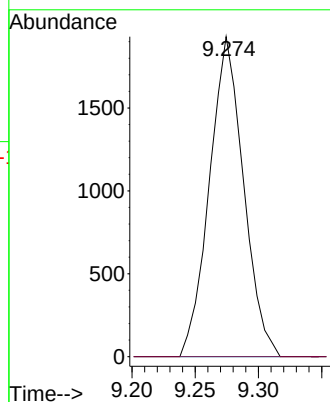
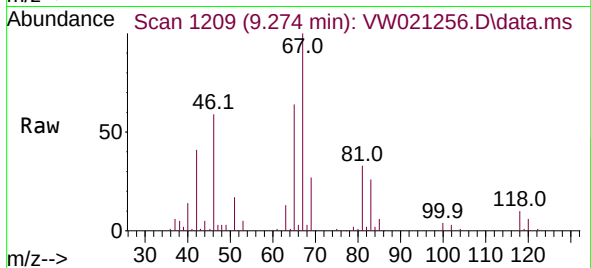
ClientSampleId :

Tgt Ion: 63 Resp: 3615

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.245 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021256.D

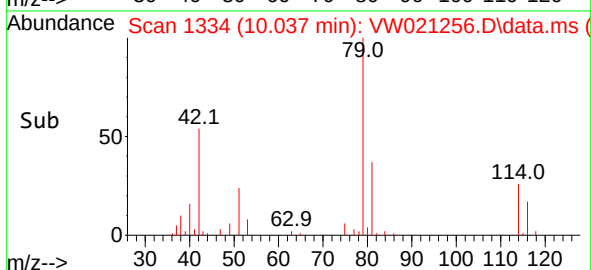
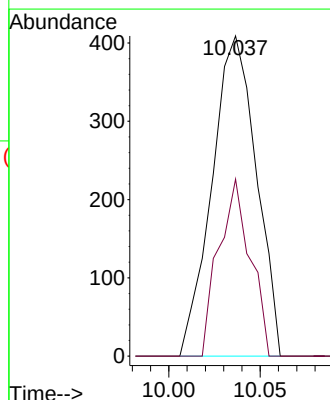
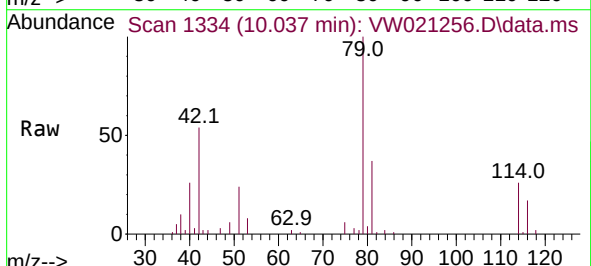
Acq: 09 Dec 2021 21:23

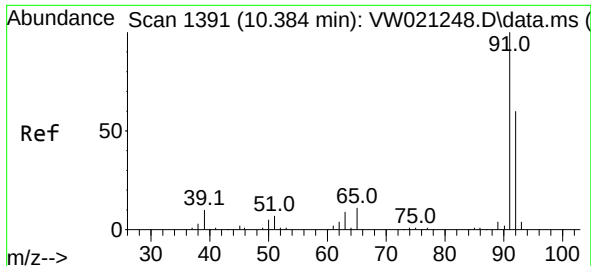
Tgt Ion: 75 Resp: 691

Ion Ratio Lower Upper

75 100

77 55.3 21.8 40.6#





#42

Toluene

Concen: 4.387 ug/L

RT: 10.390 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW021256.D

Acq: 09 Dec 2021 21:23

Instrument :

MSVOA_W

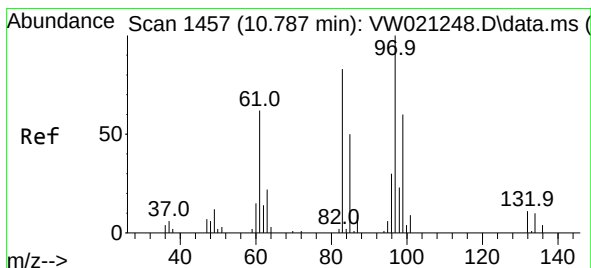
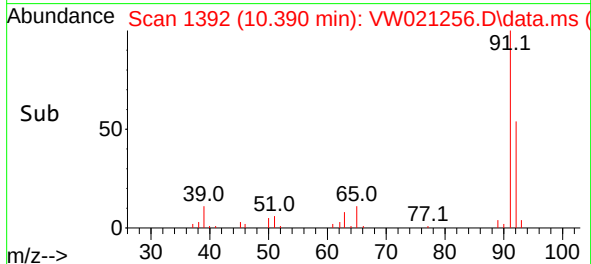
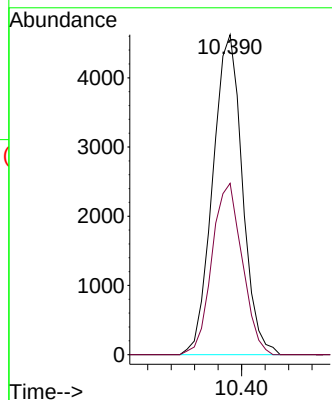
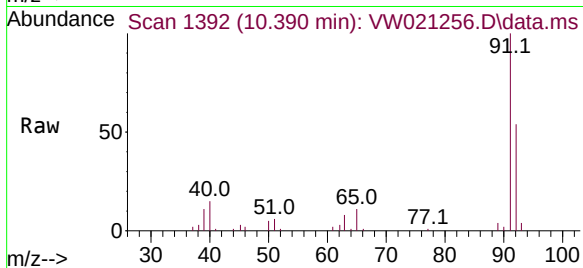
ClientSampleId :

Tgt Ion: 91 Resp: 8098

Ion Ratio Lower Upper

91 100

92 53.6 41.7 77.5



#45

1,1,2-Trichloroethane

Concen: 0.604 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.025 min

Lab File: VW021256.D

Acq: 09 Dec 2021 21:23

Tgt Ion: 97 Resp: 174

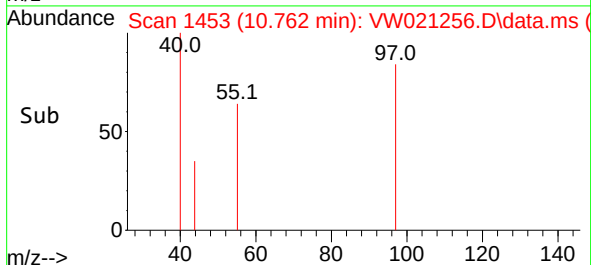
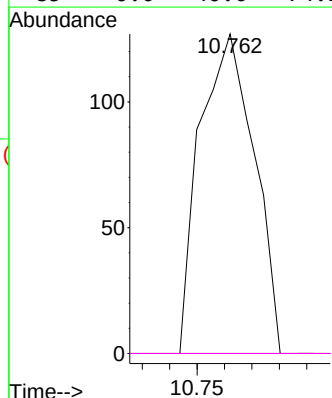
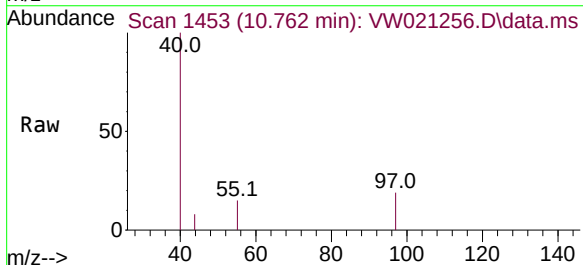
Ion Ratio Lower Upper

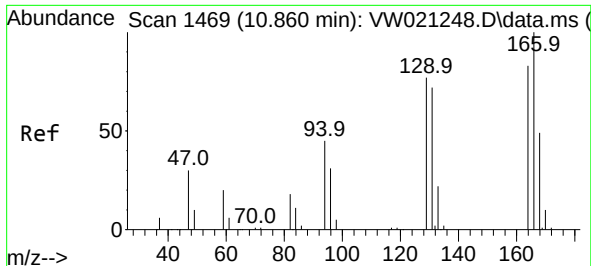
97 100

99 0.0 43.0 79.8#

83 0.0 62.6 116.3#

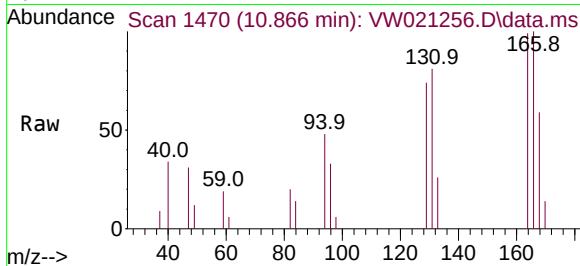
85 0.0 40.0 74.2#





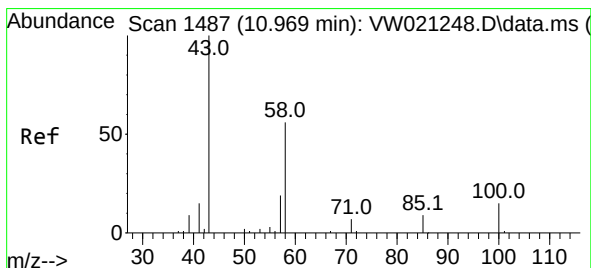
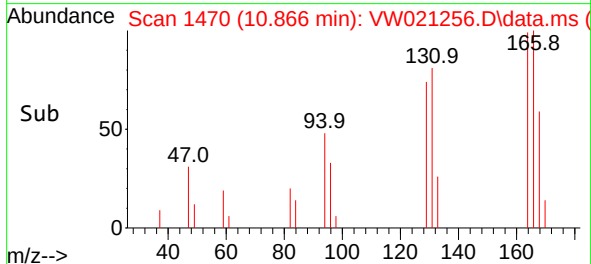
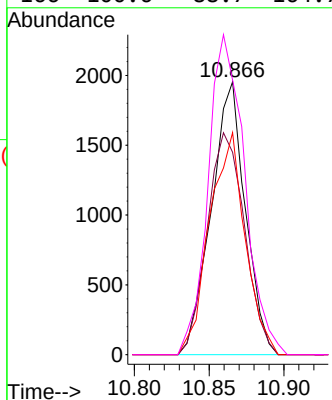
#46
Tetrachloroethene
Concen: 7.369 ug/L
RT: 10.866 min Scan# 1469
Delta R.T. 0.006 min
Lab File: VW021256.D
Acq: 09 Dec 2021 21:23

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:164 Resp: 3101

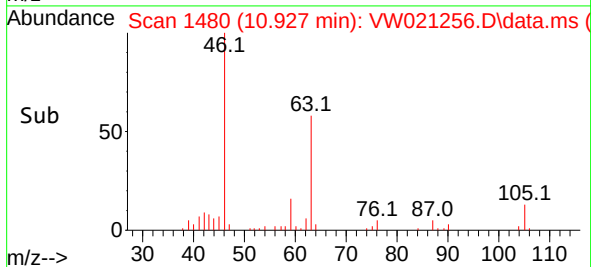
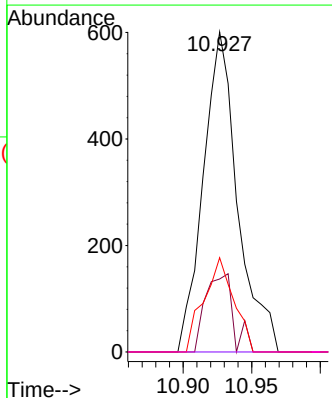
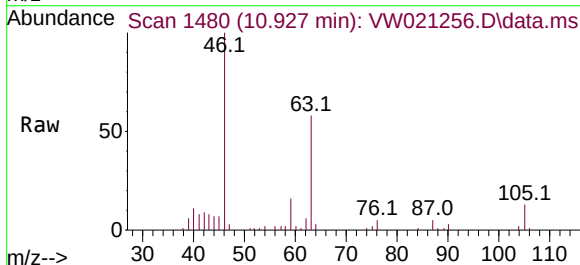
Ion	Ratio	Lower	Upper
164	100		
129	74.2	65.5	121.7
131	81.4	59.7	110.9
166	100.6	88.7	164.7

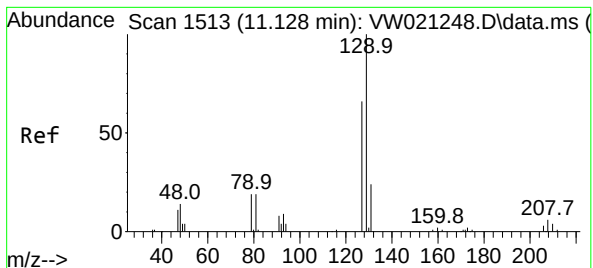


#48
2-Hexanone
Concen: 7.549 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW021256.D
Acq: 09 Dec 2021 21:23

Tgt Ion: 43 Resp: 1050

Ion	Ratio	Lower	Upper
43	100		
58	17.6	40.2	60.2#
57	25.8	14.3	21.5#
100	0.0	8.0	12.0#





#49

Dibromochloromethane

Concen: 7.348 ug/L

RT: 10.860 min Scan# 14

Delta R.T. -0.268 min

Lab File: VW021256.D

Acq: 09 Dec 2021 21:23

Instrument :

MSVOA_W

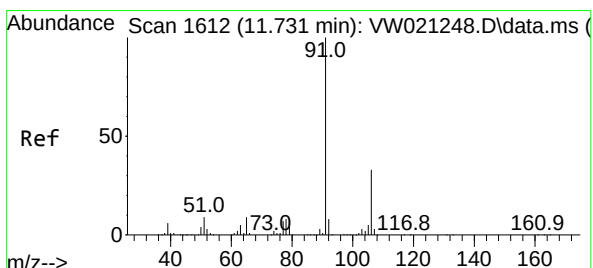
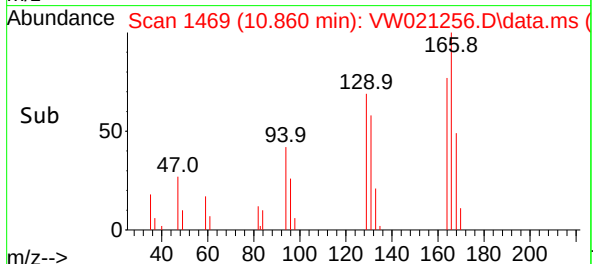
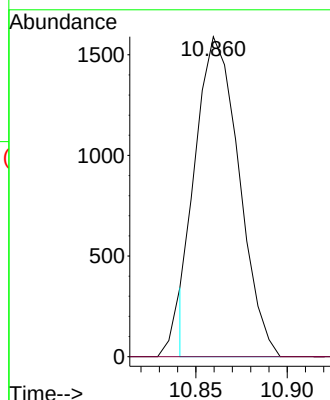
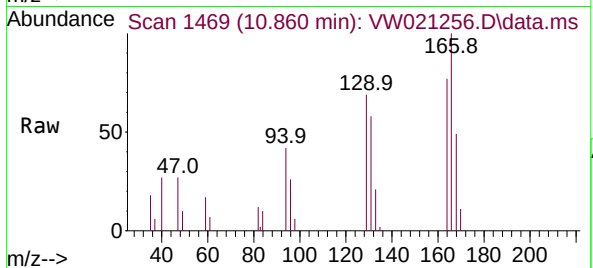
ClientSampleId :

Tgt Ion:129 Resp: 2610

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#52

Ethylbenzene

Concen: 0.518 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VW021256.D

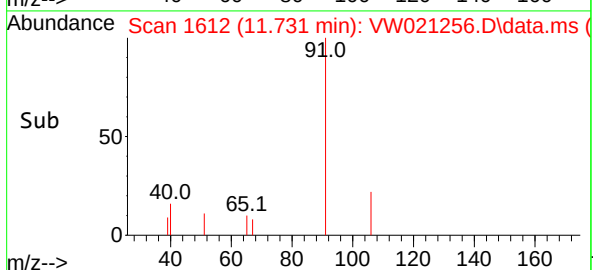
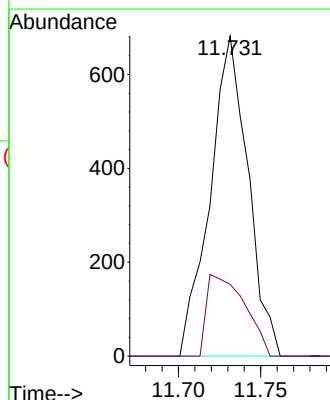
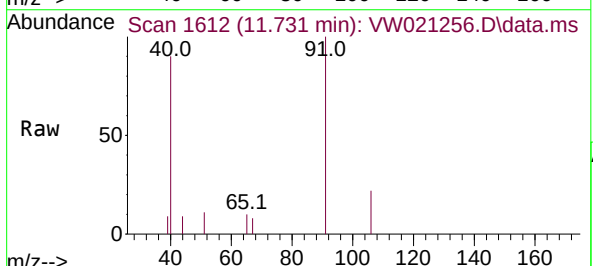
Acq: 09 Dec 2021 21:23

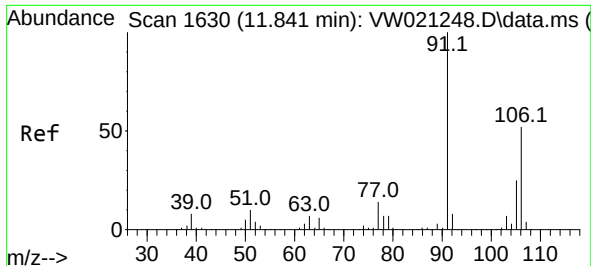
Tgt Ion: 91 Resp: 1093

Ion Ratio Lower Upper

91 100

106 22.4 21.5 39.9

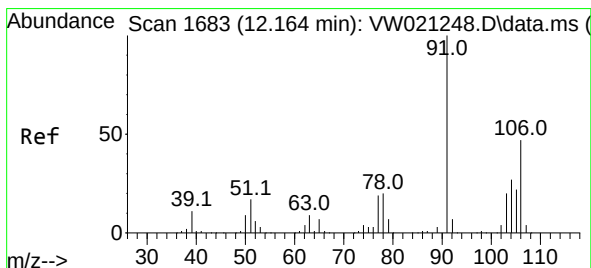
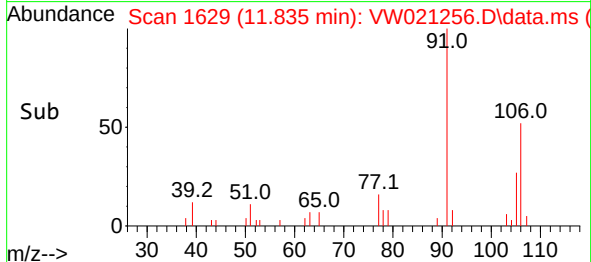
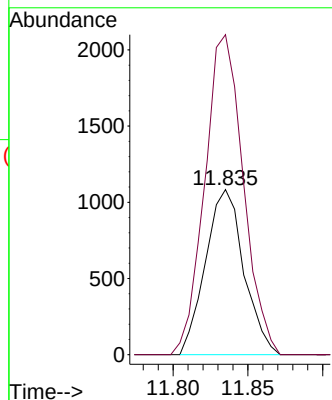
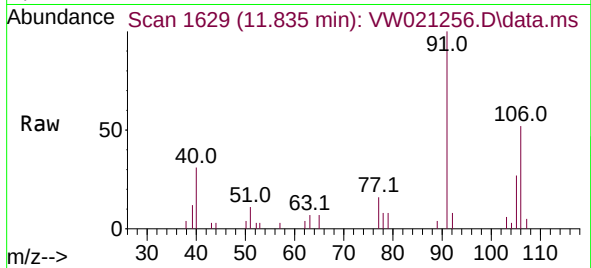




#53
m,p-Xylene
Concen: 2.269 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021256.D
Acq: 09 Dec 2021 21:23

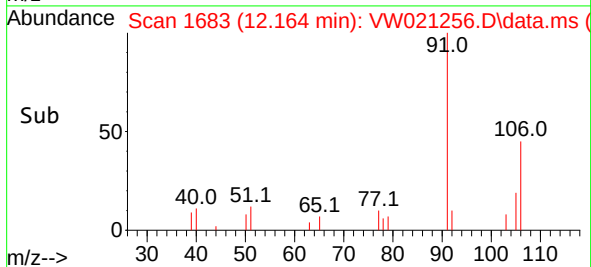
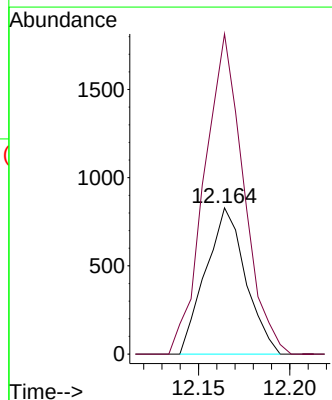
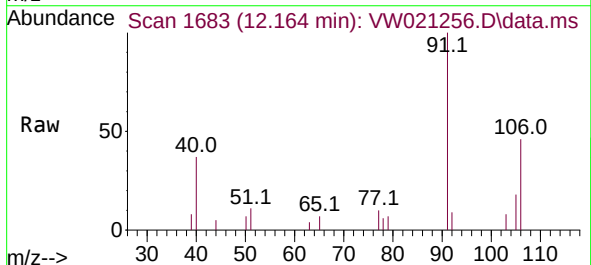
Instrument :
MSVOA_W
ClientSampleId :

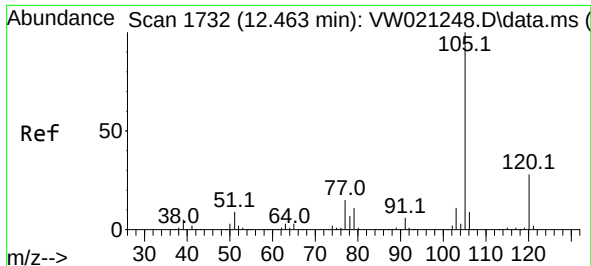
Tgt Ion:106 Resp: 1931
Ion Ratio Lower Upper
106 100
91 193.7 149.9 278.3



#54
o-Xylene
Concen: 1.559 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021256.D
Acq: 09 Dec 2021 21:23

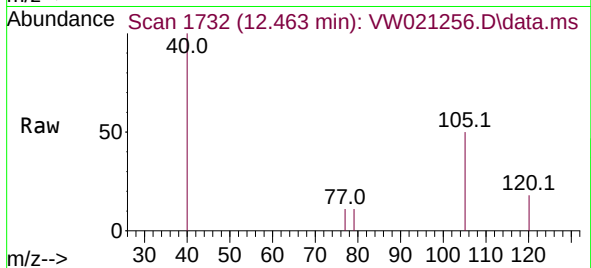
Tgt Ion:106 Resp: 1259
Ion Ratio Lower Upper
106 100
91 218.9 153.6 285.3



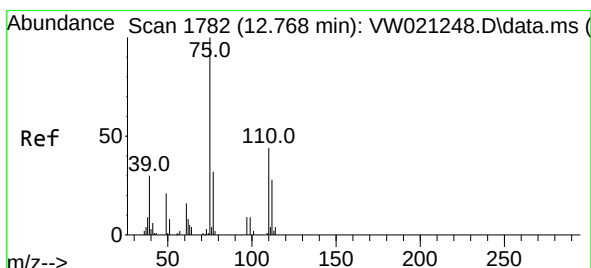
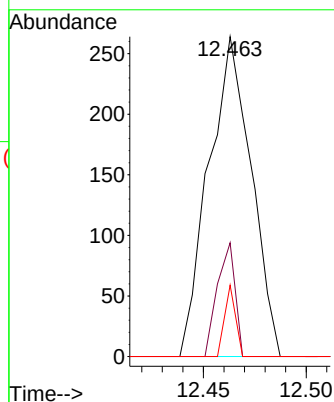
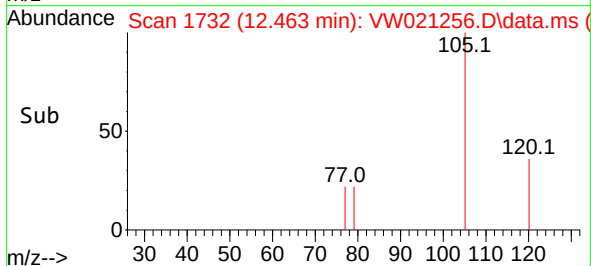


#60
Isopropylbenzene
Concen: 0.670 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021256.D
Acq: 09 Dec 2021 21:23

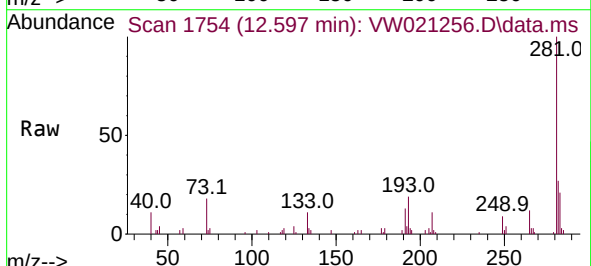
Instrument :
MSVOA_W
ClientSampleId :



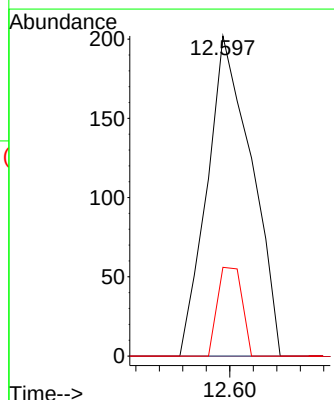
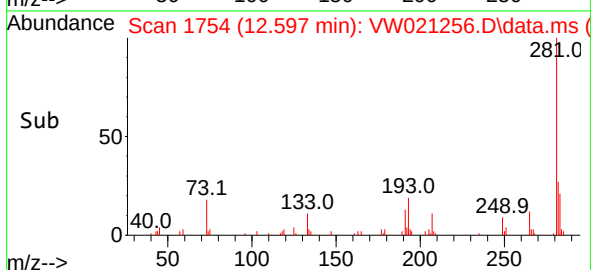
Tgt Ion:105 Resp: 380
Ion Ratio Lower Upper
105 100
120 14.7 20.1 30.1#
77 0.0 13.8 20.8#

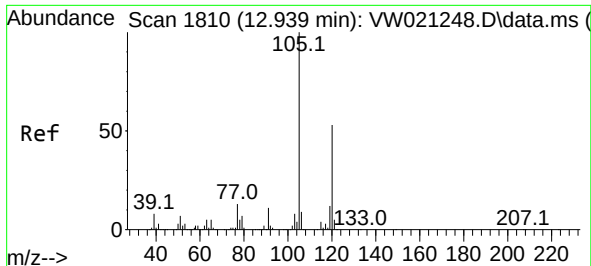


#61
1,2,3-Trichloropropane
Concen: 4.362 ug/L
RT: 12.597 min Scan# 1754
Delta R.T. -0.171 min
Lab File: VW021256.D
Acq: 09 Dec 2021 21:23



Tgt Ion: 75 Resp: 265
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#
110 15.5 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 0.663 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021256.D

Acq: 09 Dec 2021 21:23

Instrument :

MSVOA_W

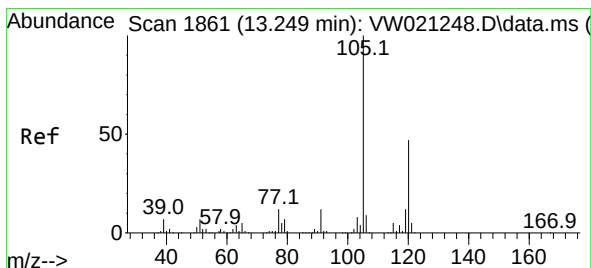
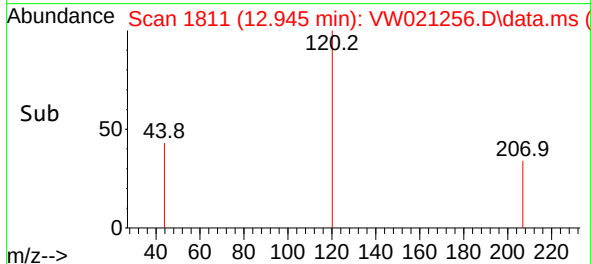
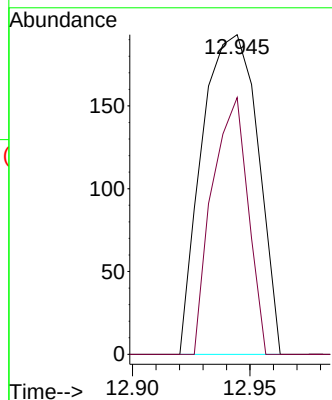
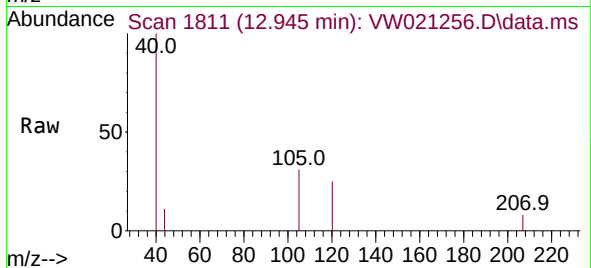
ClientSampleId :

Tgt Ion:105 Resp: 320

Ion Ratio Lower Upper

105 100

120 51.2 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 2.077 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. -0.006 min

Lab File: VW021256.D

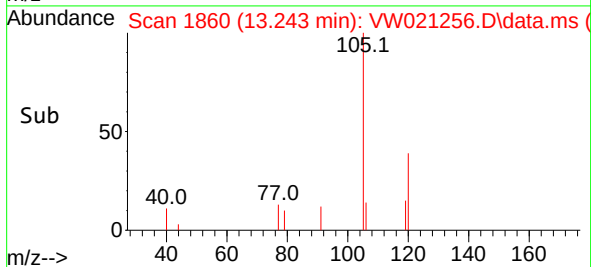
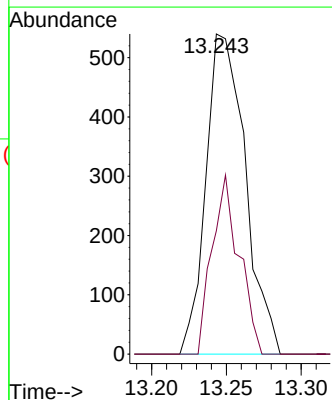
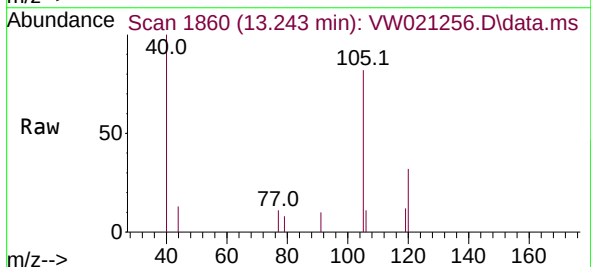
Acq: 09 Dec 2021 21:23

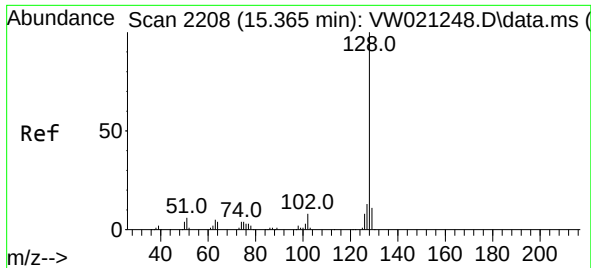
Tgt Ion:105 Resp: 989

Ion Ratio Lower Upper

105 100

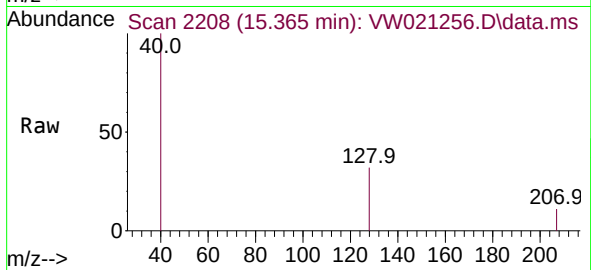
120 38.4 35.0 52.6





#71
Naphthalene
Concen: 1.462 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021256.D
Acq: 09 Dec 2021 21:23

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	128	Resp:	382
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.6	12.8#

