

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021505.D
 Acq On : 20 Dec 2021 18:00
 Operator : SY/VA
 Sample : M5171-05
 Misc : 6.42g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 20 18:55:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	20543	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	27189	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	14992	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	1685	4.504	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	18.000%#
7) Chloroethane-d5	2.885	69	2072	8.377	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	33.520%
11) 1,1-Dichloroethene-d2	4.013	63	3308	6.632	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	26.520%#
21) 2-Butanone-d5	7.086	46	6186	117.294	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	234.580%#
24) Chloroform-d	7.647	84	12913	22.556	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.240%
26) 1,2-Dichloroethane-d4	8.311	65	11391	37.406	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	149.640%#
32) Benzene-d6	8.275	84	21768	14.606	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	58.440%
36) 1,2-Dichloropropane-d6	9.274	67	9544	23.879	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.520%
41) Toluene-d8	10.323	98	21402	14.055	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	56.240%
43) trans-1,3-Dichloroprop...	10.579	79	4414	23.985	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.920%
47) 2-Hexanone-d5	10.927	63	4675	79.099	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	158.200%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	12089	35.185	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	140.720%#
66) 1,2-Dichlorobenzene-d4	13.853	152	12452	21.431	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.720%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	291	6.155	ug/L #	49
16) Methylene chloride	4.922	84	4027	11.864	ug/L #	70
33) Benzene	8.360	78	1024	0.691	ug/L	100
34) Trichloroethene	8.842	95	635	1.527	ug/L #	5
35) Methylcyclohexane	9.281	83	2551	3.719	ug/L #	14
37) 1,2-Dichloropropane	9.274	63	1101	3.333	ug/L #	88
39) cis-1,3-Dichloropropene	10.037	75	281	0.540	ug/L #	69
42) Toluene	10.390	91	2190	1.264	ug/L	99
46) Tetrachloroethene	10.860	164	303	0.767	ug/L #	70
52) Ethylbenzene	11.731	91	3973	2.007	ug/L	99
53) m,p-Xylene	11.835	106	5730	7.175	ug/L	80
54) o-Xylene	12.164	106	2671	3.524	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.701	83	379	1.223	ug/L #	80
60) Isopropylbenzene	12.463	105	4747	2.330	ug/L #	91
62) 1,3,5-Trimethylbenzene	12.896	105	1775	1.024	ug/L	92
63) 1,2,4-Trimethylbenzene	13.249	105	12142	7.100	ug/L	91
65) 1,4-Dichlorobenzene	13.572	146	527	0.552	ug/L #	47
67) 1,2-Dichlorobenzene	13.871	146	1464	1.731	ug/L #	80
70) 1,2,4-trichlorobenzene	15.127	180	585	1.013	ug/L #	44

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Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration

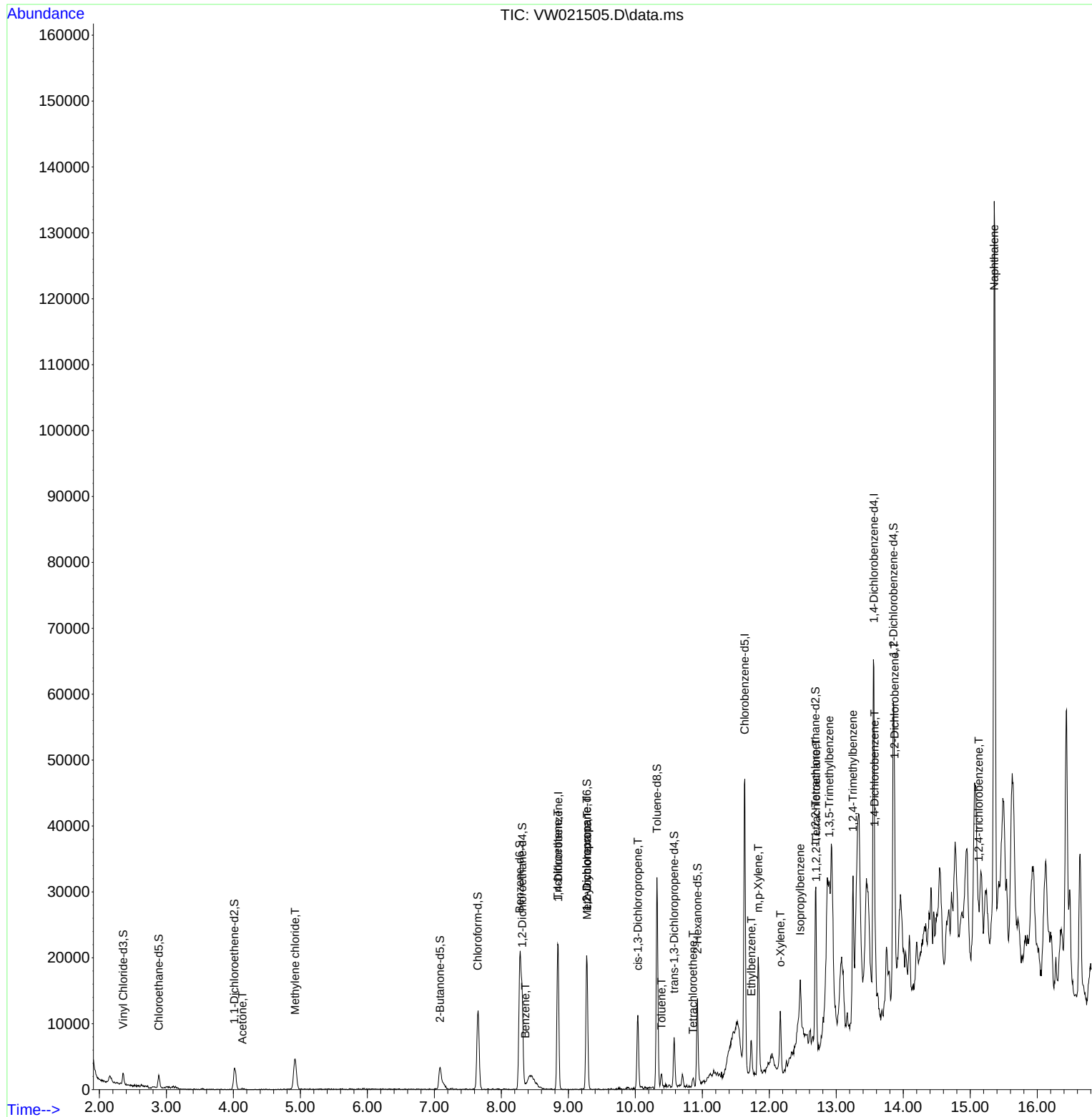
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.359	128	104678	111.542	ug/L	99

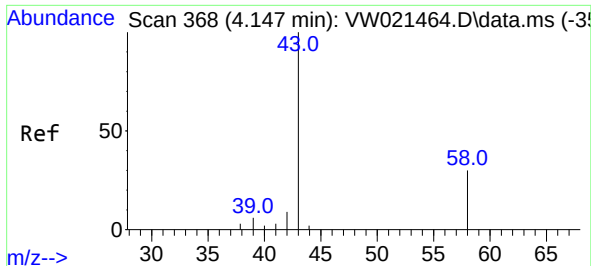
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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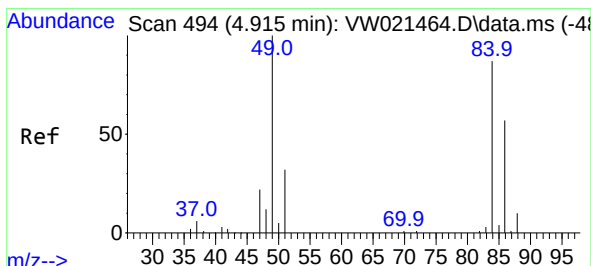
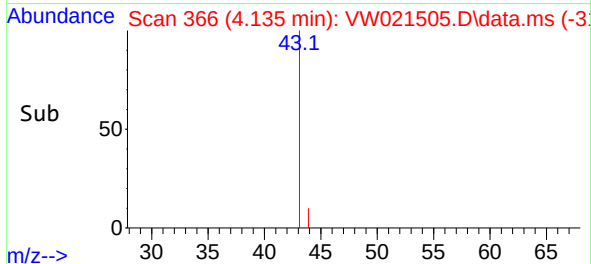
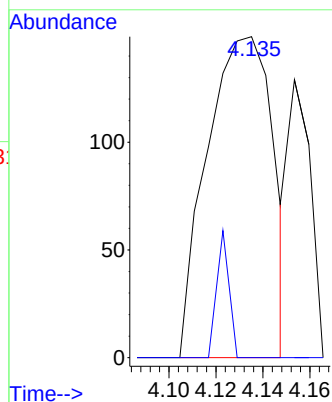
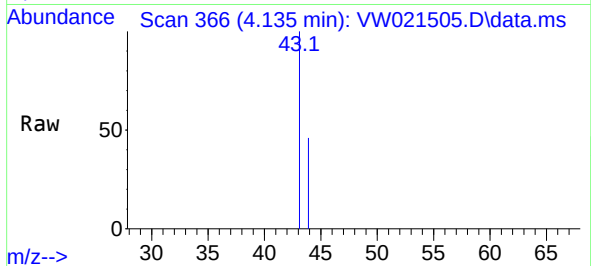




#13
Acetone
Concen: 6.155 ug/L
RT: 4.135 min Scan# 301
Delta R.T. 0.018 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

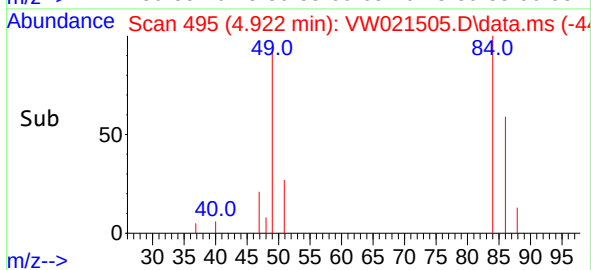
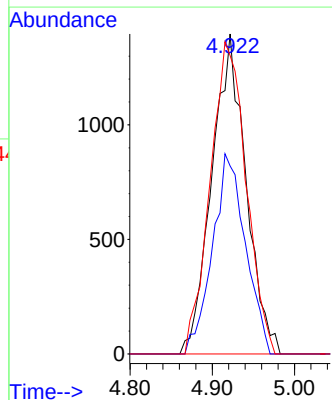
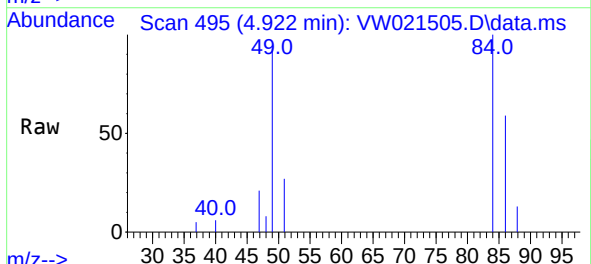
Instrument :
MSVOA_W
ClientSampleId :

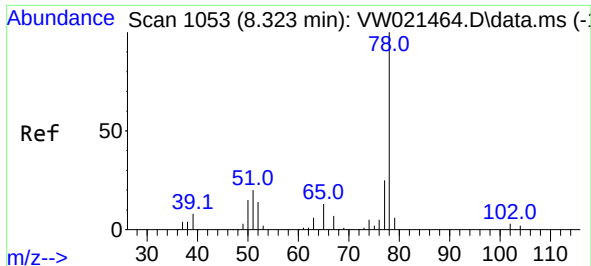
Tgt Ion: 43 Resp: 291
Ion Ratio Lower Upper
43 100
58 0.0 0.0 52.8



#16
Methylene chloride
Concen: 11.864 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.012 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

Tgt Ion: 84 Resp: 4027
Ion Ratio Lower Upper
84 100
86 58.8 45.5 84.5
49 93.3 100.5 186.7#

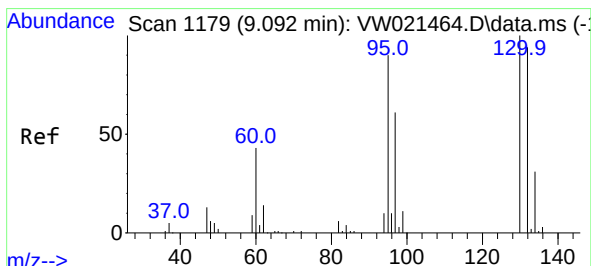
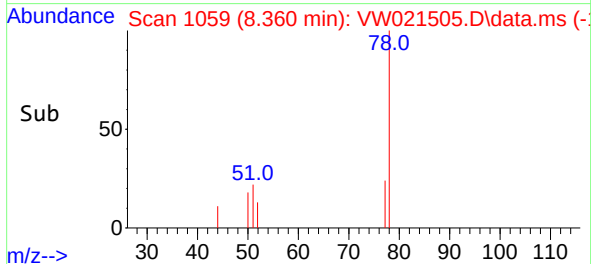
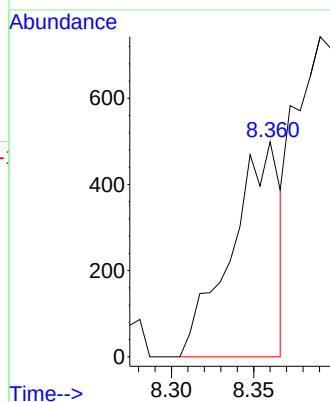
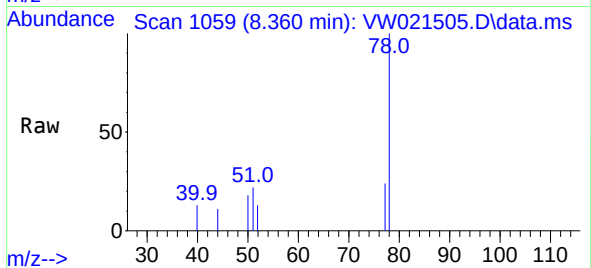




#33
Benzene
Concen: 0.691 ug/L
RT: 8.360 min Scan# 1138
Delta R.T. 0.037 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

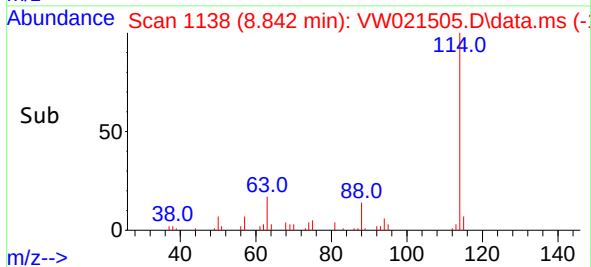
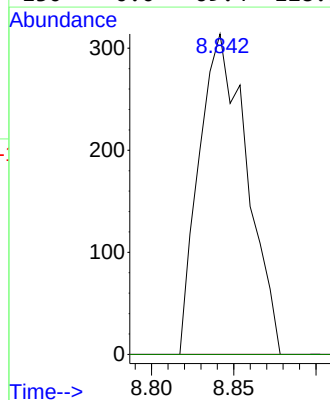
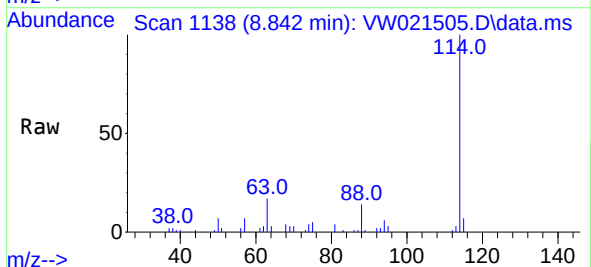
Instrument :
MSVOA_W
ClientSampleId :

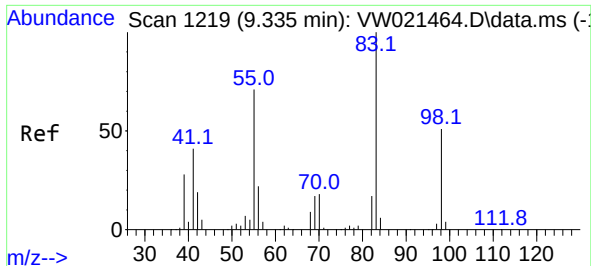
Tgt Ion: 78 Resp: 1024



#34
Trichloroethene
Concen: 1.527 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

Tgt Ion: 95 Resp: 635
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: 3.719 ug/L

RT: 9.281 min Scan# 11

Delta R.T. -0.055 min

Lab File: VW021505.D

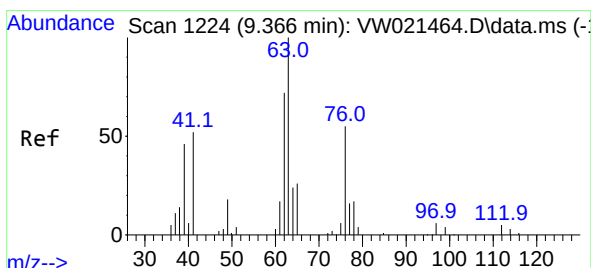
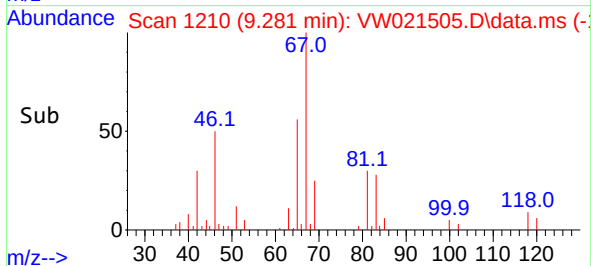
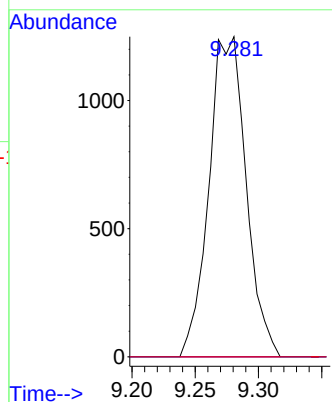
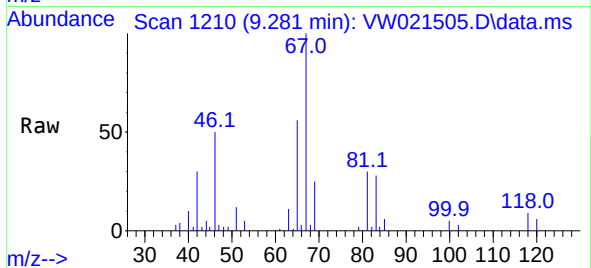
Acq: 20 Dec 2021 18:00

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	2551
Ion	Ratio	Lower	Upper
83	100		
55	0.0	70.8	106.2#
98	0.0	37.7	56.5#



#37

1,2-Dichloropropane

Concen: 3.333 ug/L

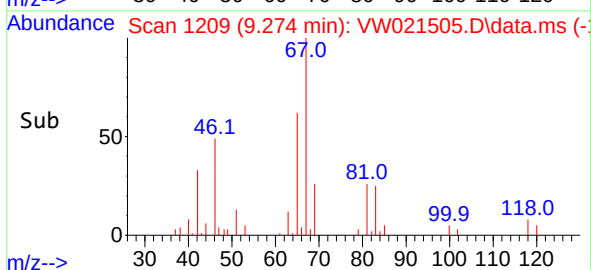
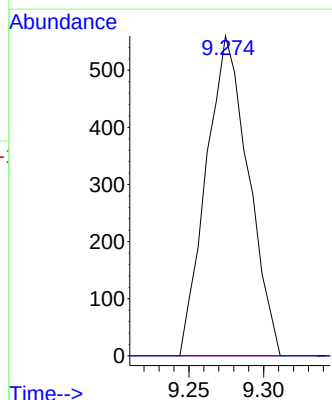
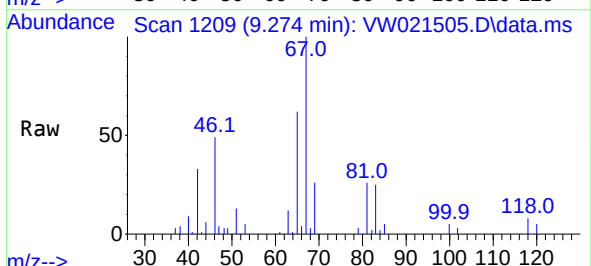
RT: 9.274 min Scan# 1209

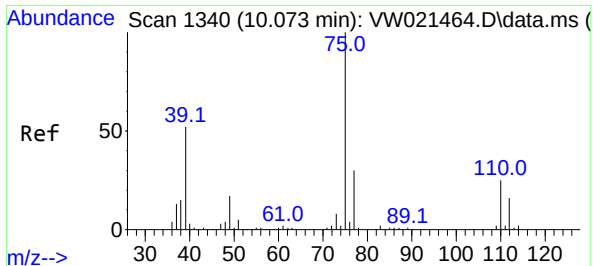
Delta R.T. -0.091 min

Lab File: VW021505.D

Acq: 20 Dec 2021 18:00

Tgt Ion:	63	Resp:	1101
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.540 ug/L

RT: 10.037 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021505.D

Acq: 20 Dec 2021 18:00

Instrument :

MSVOA_W

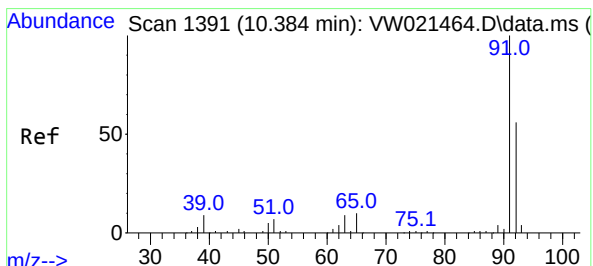
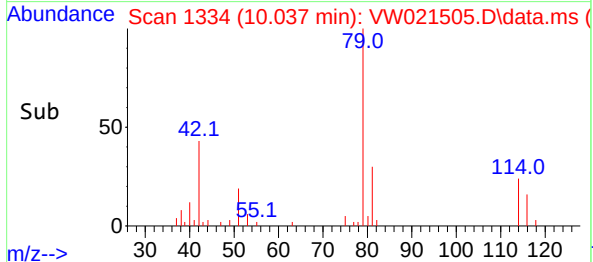
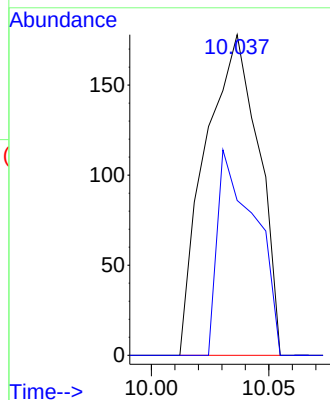
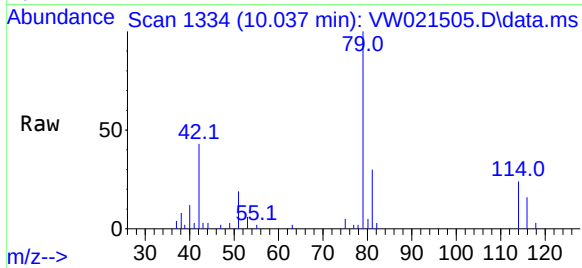
ClientSampleId :

Tgt Ion: 75 Resp: 281

Ion Ratio Lower Upper

75 100

77 48.3 21.8 40.6#



#42

Toluene

Concen: 1.264 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW021505.D

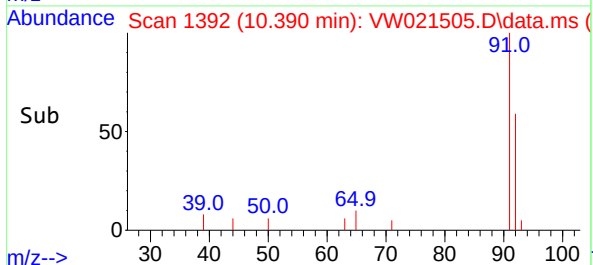
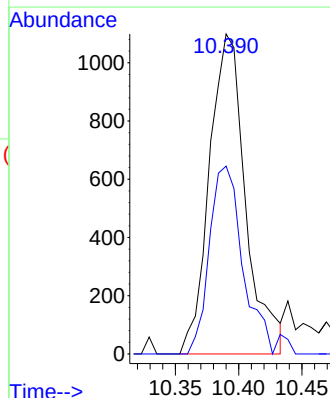
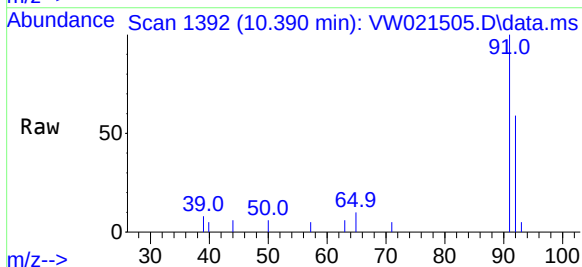
Acq: 20 Dec 2021 18:00

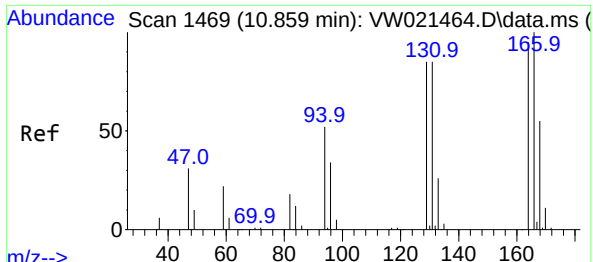
Tgt Ion: 91 Resp: 2190

Ion Ratio Lower Upper

91 100

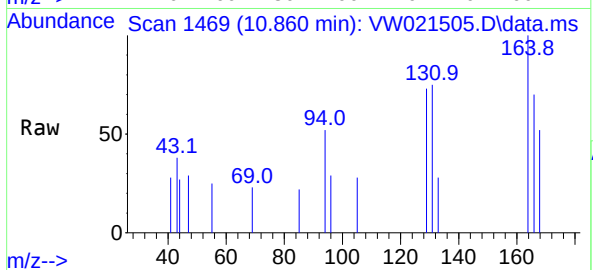
92 58.7 41.7 77.5





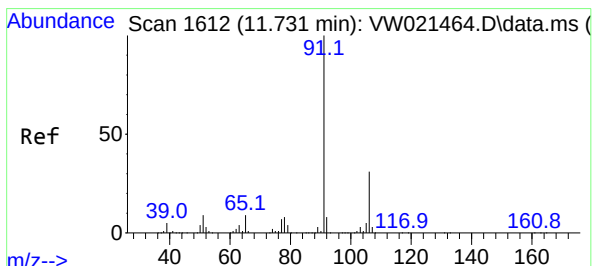
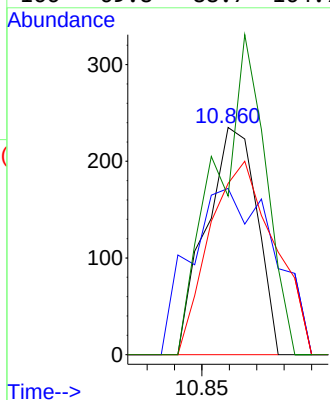
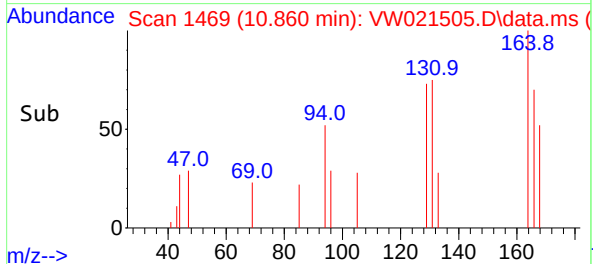
#46
Tetrachloroethene
Concen: 0.767 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:164 Resp: 303

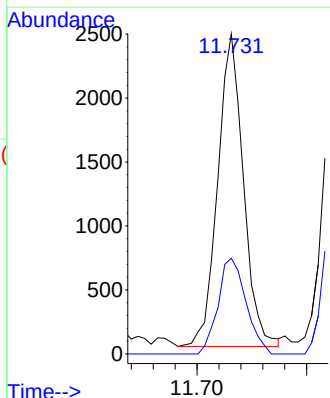
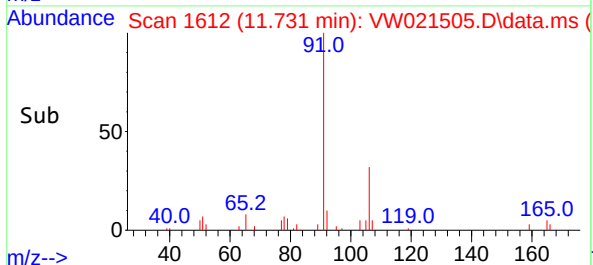
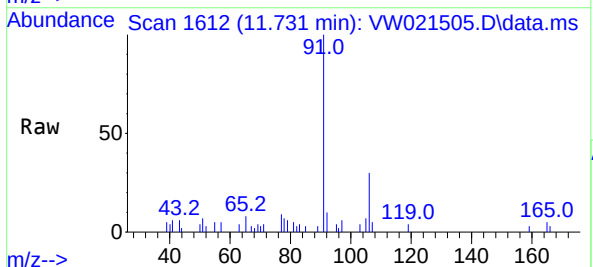
Ion	Ratio	Lower	Upper
164	100		
129	73.2	65.5	121.7
131	75.3	59.7	110.9
166	69.8	88.7	164.7#

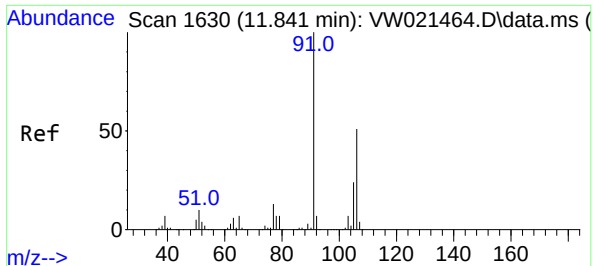


#52
Ethylbenzene
Concen: 2.007 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

Tgt Ion: 91 Resp: 3973

Ion	Ratio	Lower	Upper
91	100		
106	29.9	21.5	39.9

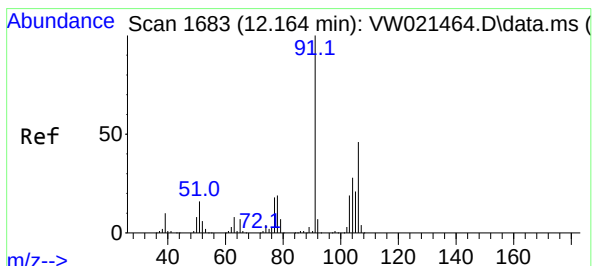
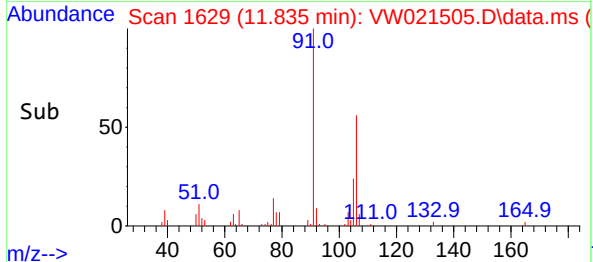
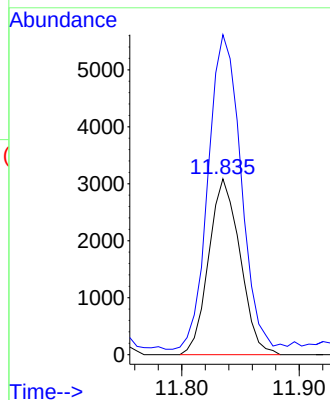
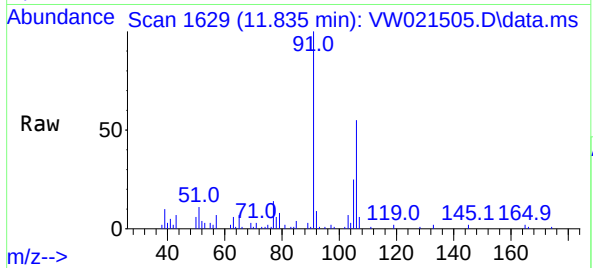




#53
m,p-Xylene
Concen: 7.175 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

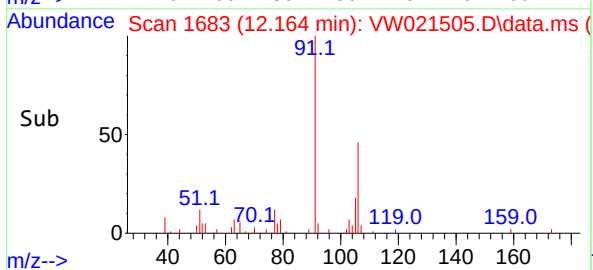
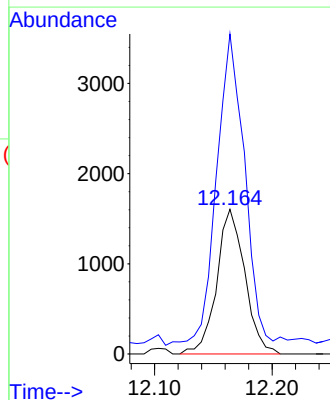
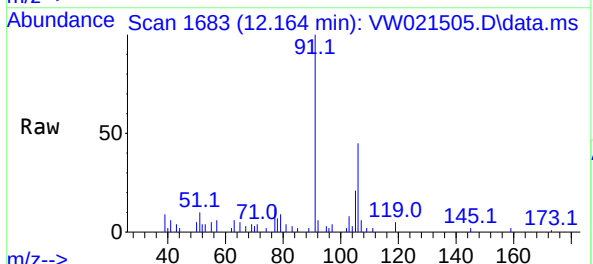
Instrument :
MSVOA_W
ClientSampleId :

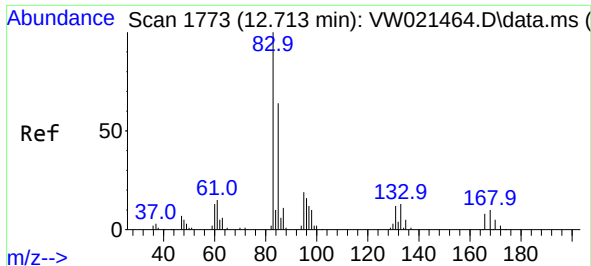
Tgt Ion:106 Resp: 5730
Ion Ratio Lower Upper
106 100
91 182.0 149.9 278.3



#54
o-Xylene
Concen: 3.524 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

Tgt Ion:106 Resp: 2671
Ion Ratio Lower Upper
106 100
91 221.3 153.6 285.3

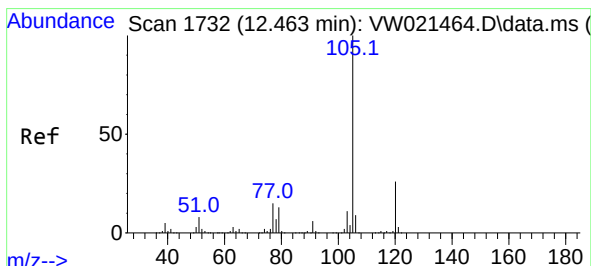
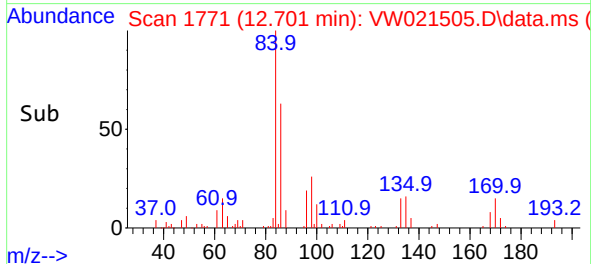
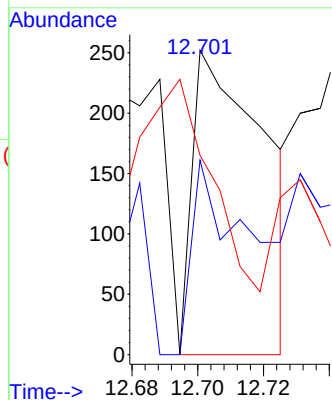
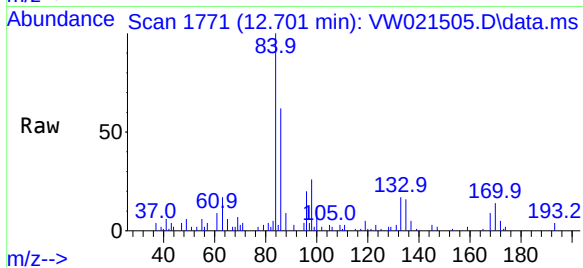




#57
1,1,2,2-Tetrachloroethane
Concen: 1.223 ug/L
RT: 12.701 min Scan# 1771
Delta R.T. -0.012 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

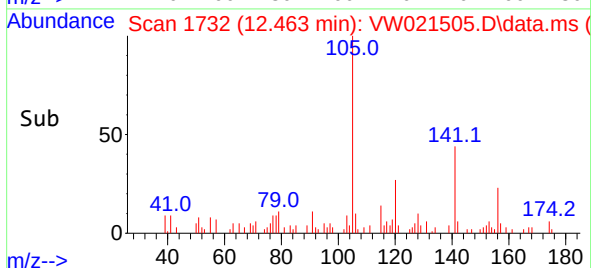
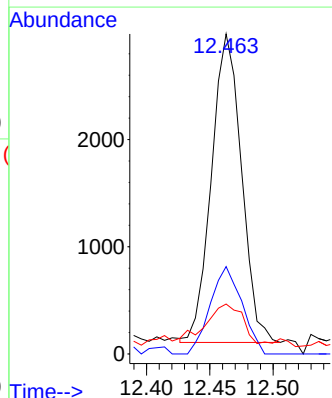
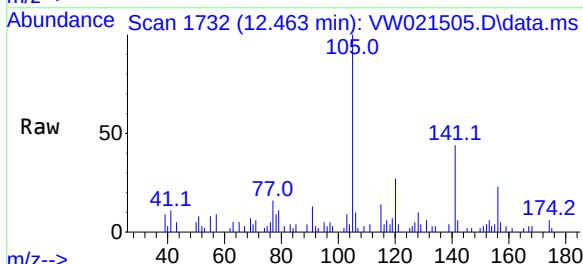
Instrument :
MSVOA_W
ClientSampleId :

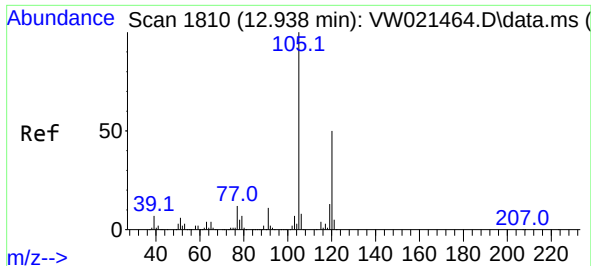
Tgt Ion: 83	Resp:	379	
Ion	Ratio	Lower	Upper
83	100		
85	63.9	44.0	81.6
131	65.5	6.9	10.3#



#60
Isopropylbenzene
Concen: 2.330 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

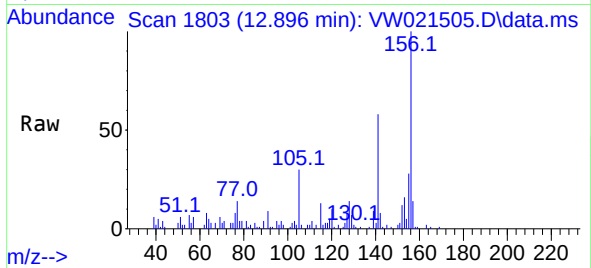
Tgt Ion:105	Resp:	4747	
Ion Ratio	Lower	Upper	
105 100			
120 29.8	20.1	30.1	
77 13.6	13.8	20.8#	



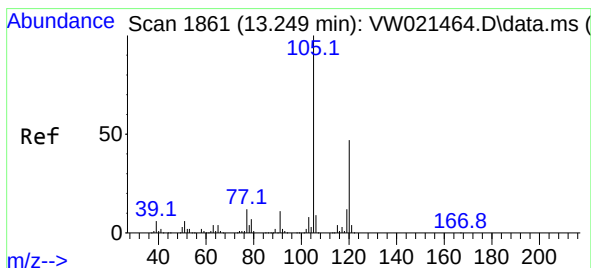
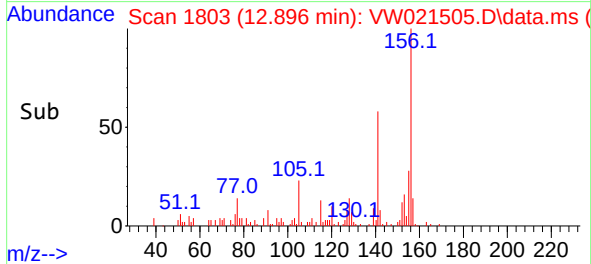
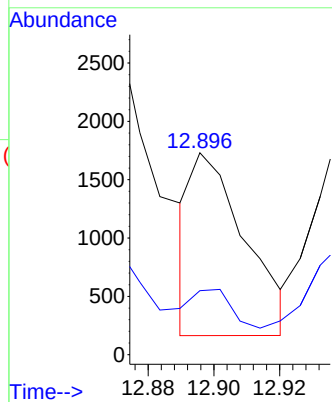


#62
1,3,5-Trimethylbenzene
Concen: 1.024 ug/L
RT: 12.896 min Scan# 1810
Delta R.T. -0.043 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

Instrument :
MSVOA_W
ClientSampleId :

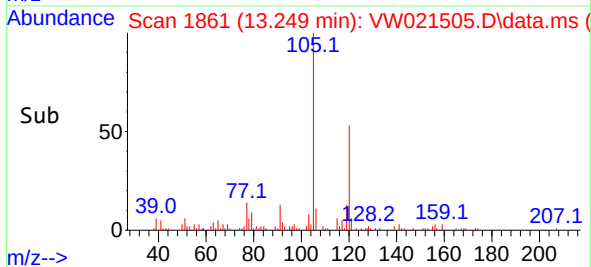
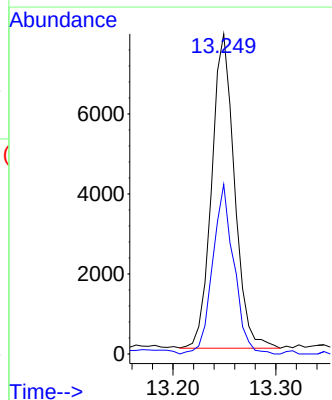
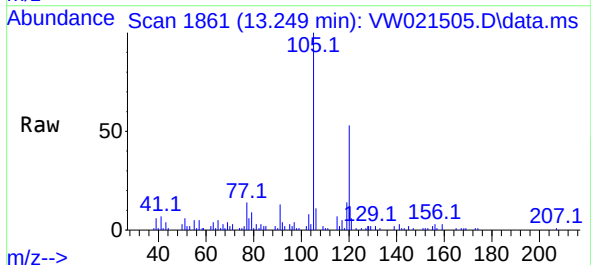


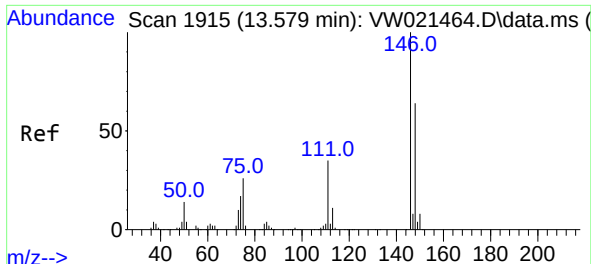
Tgt Ion:105 Resp: 1775
Ion Ratio Lower Upper
105 100
120 41.7 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 7.100 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

Tgt Ion:105 Resp: 12142
Ion Ratio Lower Upper
105 100
120 49.9 35.0 52.6





#65

1,4-Dichlorobenzene

Concen: 0.552 ug/L

RT: 13.572 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VW021505.D

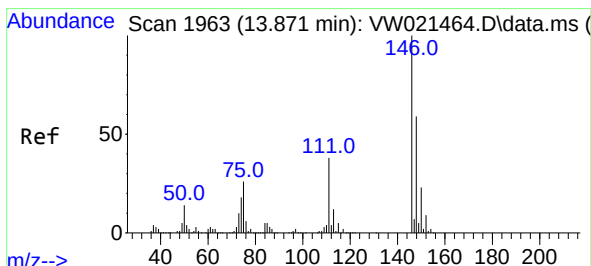
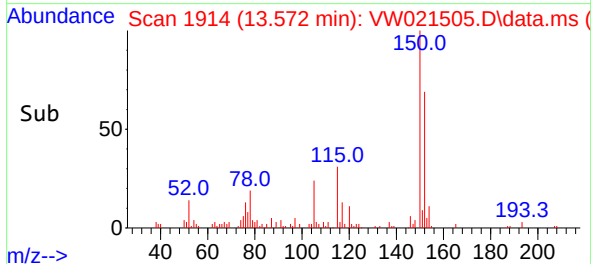
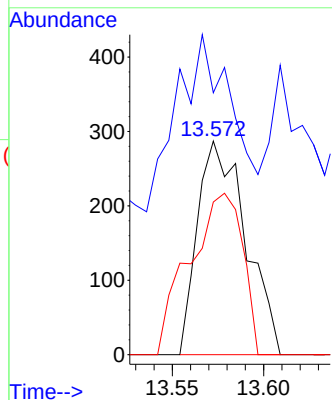
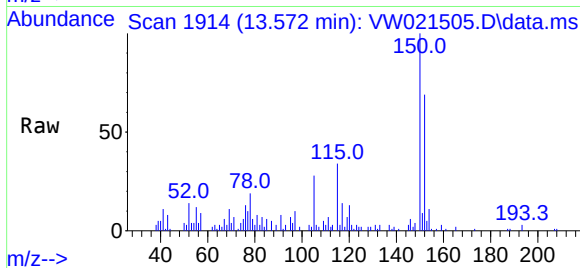
Acq: 20 Dec 2021 18:00

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146	Resp:	527	
Ion	Ratio	Lower	Upper
146	100		
111	122.6	29.0	53.9#
148	71.4	46.9	87.1



#67

1,2-Dichlorobenzene

Concen: 1.731 ug/L

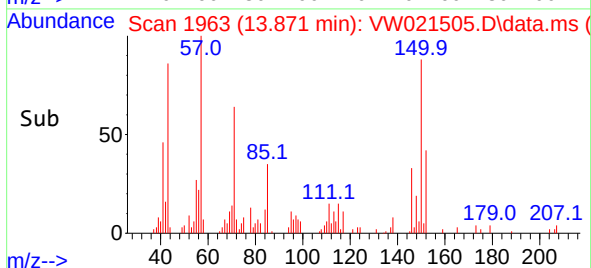
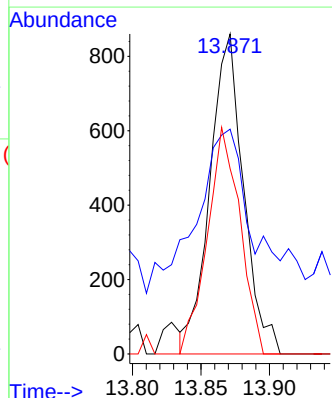
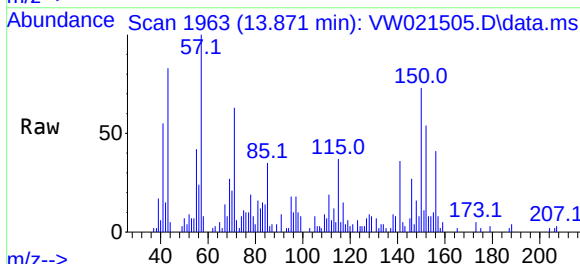
RT: 13.871 min Scan# 1963

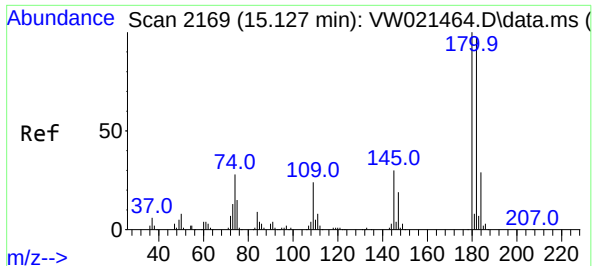
Delta R.T. 0.006 min

Lab File: VW021505.D

Acq: 20 Dec 2021 18:00

Tgt Ion:146	Resp:	1464	
Ion	Ratio	Lower	Upper
146	100		
111	70.2	33.1	49.7#
148	57.9	47.4	71.2

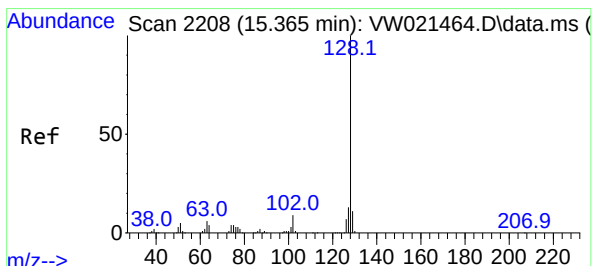
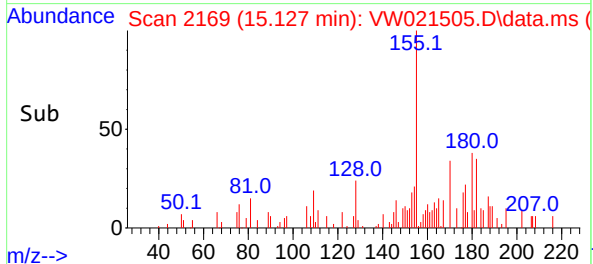
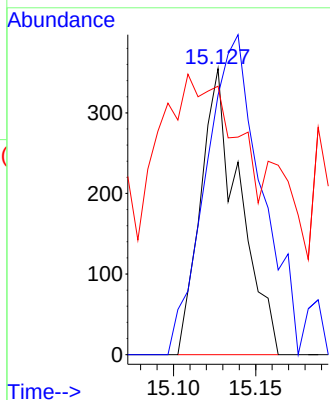
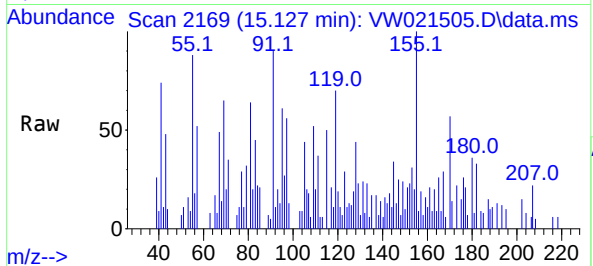




#70
1,2,4-trichlorobenzene
Concen: 1.013 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:180 Resp: 585
Ion Ratio Lower Upper
180 100
182 159.5 79.0 118.6#
145 10.6 26.0 39.0#



#71
Naphthalene
Concen: 111.542 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.000 min
Lab File: VW021505.D
Acq: 20 Dec 2021 18:00

Tgt Ion:128 Resp: 104678
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.6 8.6 12.8

