

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
 Data File : VW021646.D
 Acq On : 25 Dec 2021 15:20
 Operator : SY/VA
 Sample : M5174-12RE
 Misc : 6.71g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 27 00:41:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 01:43:02 2021
 Response via : Initial Calibration

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

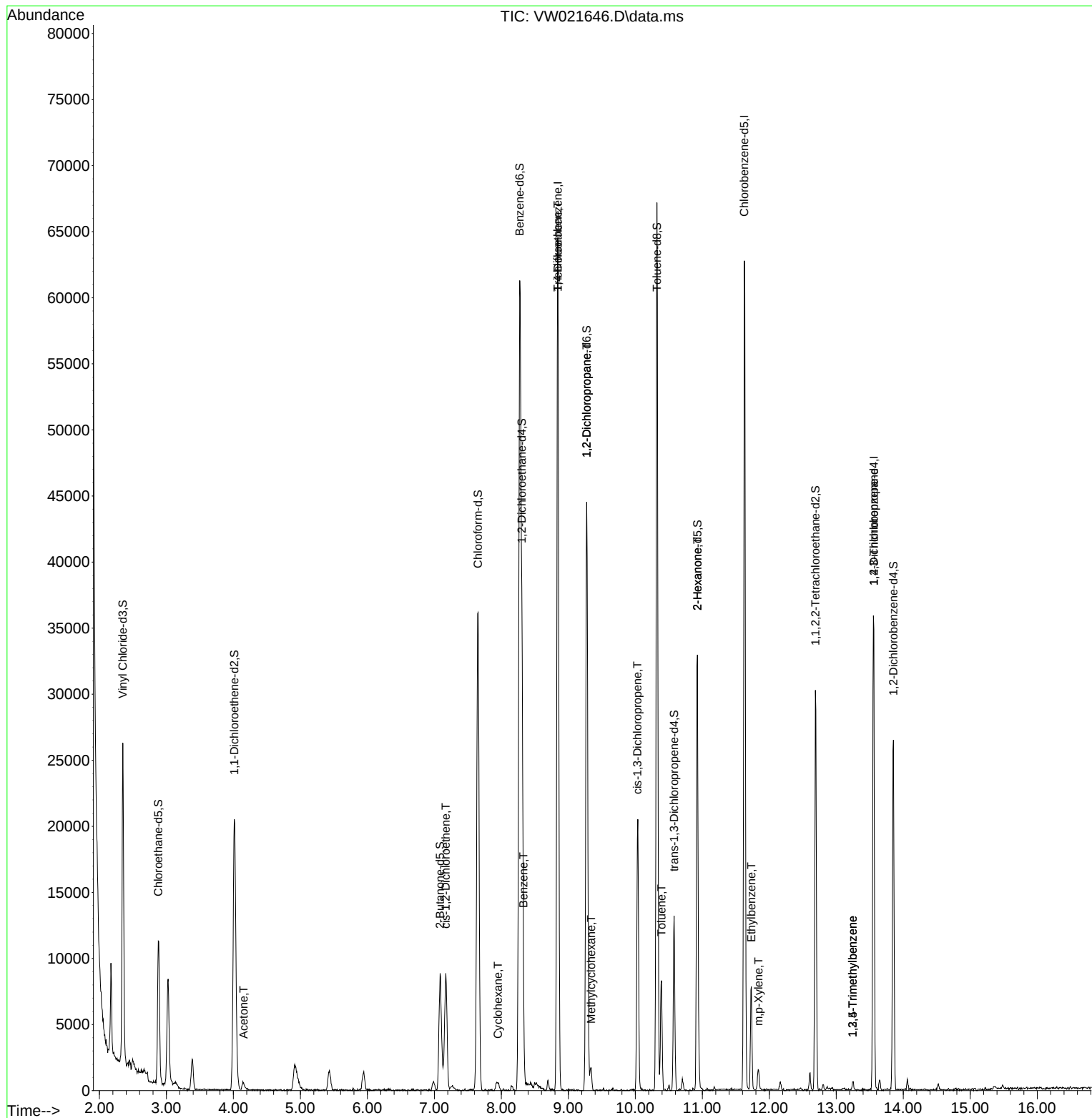
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	54989	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	35052	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	10011	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	17541	17.515	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.040%
7) Chloroethane-d5	2.879	69	12592	19.019	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.080%
11) 1,1-Dichloroethene-d2	4.013	63	20064	15.027	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.120%
21) 2-Butanone-d5	7.086	46	15226	107.855	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	215.720%#
24) Chloroform-d	7.653	84	36553	23.853	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	8.305	65	24202	29.691	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.760%
32) Benzene-d6	8.275	84	62756	32.663	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	130.640%
36) 1,2-Dichloropropane-d6	9.275	67	19065	37.000	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	148.000%#
41) Toluene-d8	10.323	98	44173	22.502	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	10.579	79	6736	28.391	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.560%
47) 2-Hexanone-d5	10.927	63	10860	142.529	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	285.060%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	13453	30.371	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.480%#
66) 1,2-Dichlorobenzene-d4	13.853	152	7396	19.063	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.240%
Target Compounds						Qvalue
13) Acetone	4.154	43	1128	8.913	ug/L	65
20) cis-1,2-Dichloroethene	7.171	96	5211	6.694	ug/L	78
29) Cyclohexane	7.952	56	415	0.595	ug/L	# 79
33) Benzene	8.330	78	2351	1.231	ug/L	100
34) Trichloroethene	8.842	95	1739	3.244	ug/L	# 5
35) Methylcyclohexane	9.342	83	699	0.791	ug/L	# 85
37) 1,2-Dichloropropane	9.275	63	2485	5.834	ug/L	# 88
39) cis-1,3-Dichloropropene	10.031	75	681	1.014	ug/L	# 81
42) Toluene	10.390	91	6473	2.899	ug/L	98
48) 2-Hexanone	10.927	43	1398	8.307	ug/L	# 69
52) Ethylbenzene	11.731	91	5609	2.198	ug/L	97
53) m,p-Xylene	11.841	106	711	0.691	ug/L	# 58
61) 1,2,3-Trichloropropane	13.560	75	1229	8.435	ug/L	# 66
62) 1,3,5-Trimethylbenzene	13.243	105	640	0.553	ug/L	90
63) 1,2,4-Trimethylbenzene	13.243	105	640	0.560	ug/L	94

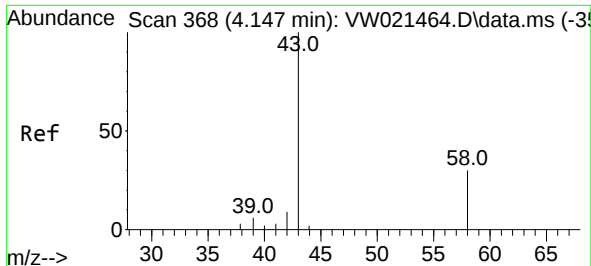
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Fri Dec 24 01:43:02 2021
Response via : Initial Calibration





#13

Acetone

Concen: 8.913 ug/L

RT: 4.154 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW021646.D

Acq: 25 Dec 2021 15:20

Instrument :

MSVOA_W

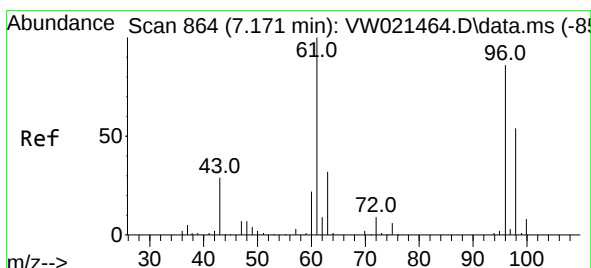
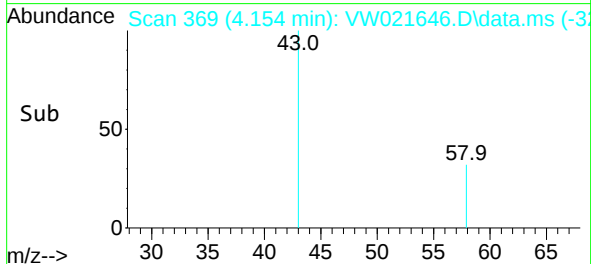
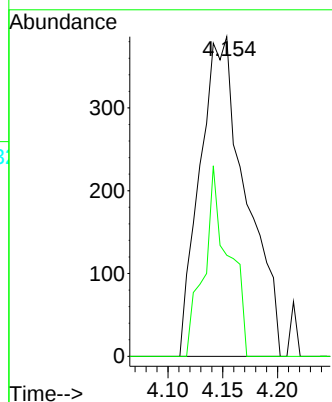
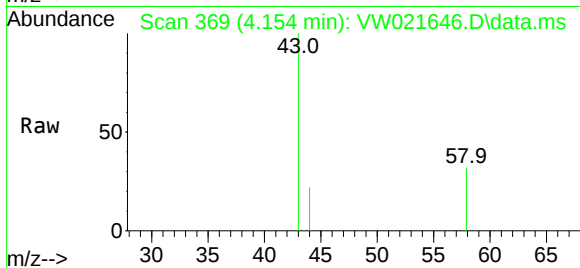
ClientSampleId :

Tgt Ion: 43 Resp: 1128

Ion Ratio Lower Upper

43 100

58 8.7 0.0 52.8



#20

cis-1,2-Dichloroethene

Concen: 6.694 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW021646.D

Acq: 25 Dec 2021 15:20

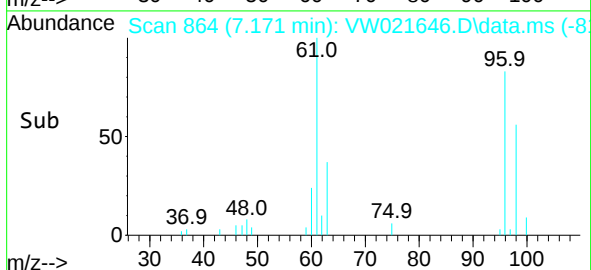
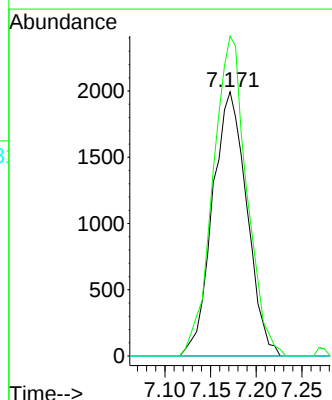
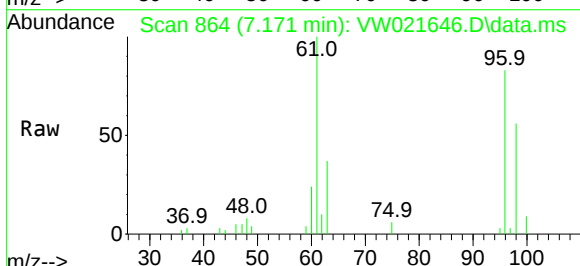
Tgt Ion: 96 Resp: 5211

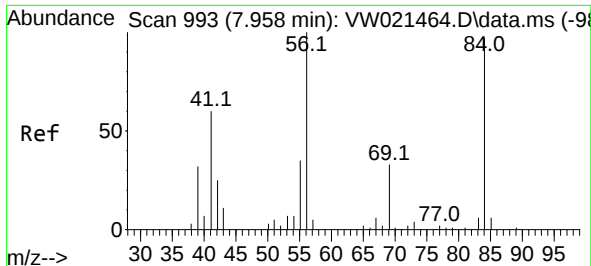
Ion Ratio Lower Upper

96 100

61 121.1 103.7 192.7

68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 0.595 ug/L

RT: 7.952 min Scan# 992

Delta R.T. -0.006 min

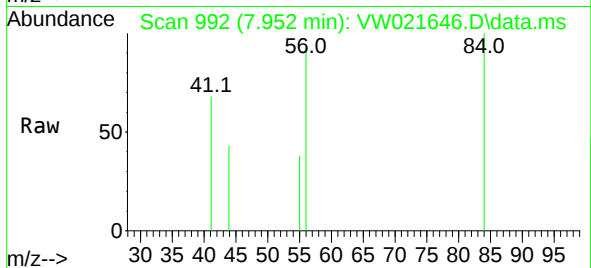
Lab File: VW021646.D

Acq: 25 Dec 2021 15:20

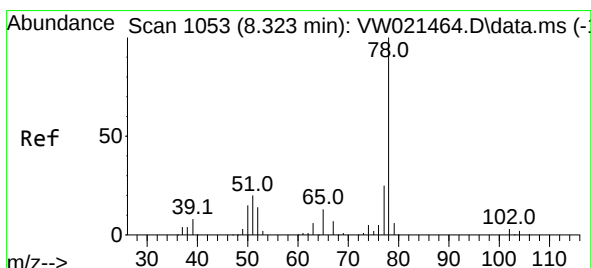
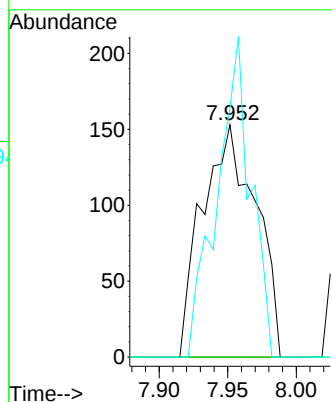
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	56	Resp:	415
Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.5	35.3#
84	87.0	63.4	95.2



#33

Benzene

Concen: 1.231 ug/L

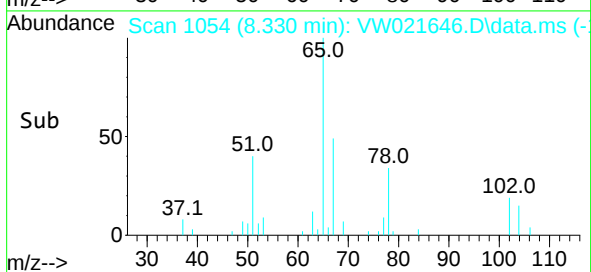
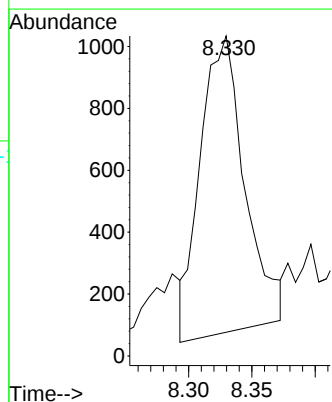
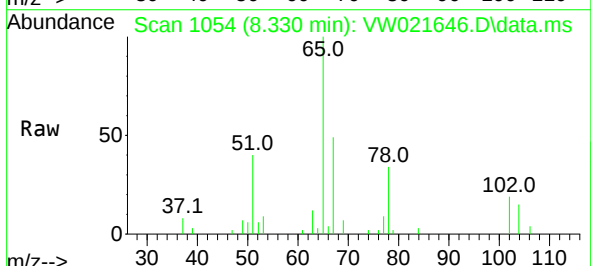
RT: 8.330 min Scan# 1054

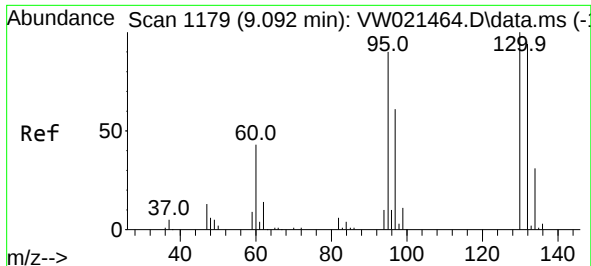
Delta R.T. 0.006 min

Lab File: VW021646.D

Acq: 25 Dec 2021 15:20

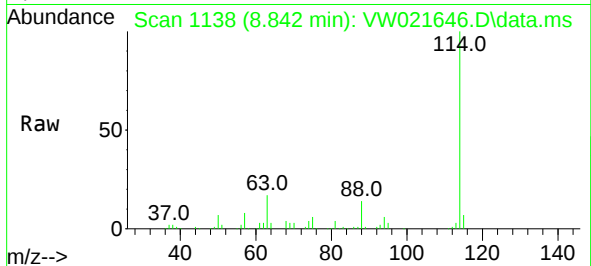
Tgt Ion: 78 Resp: 2351



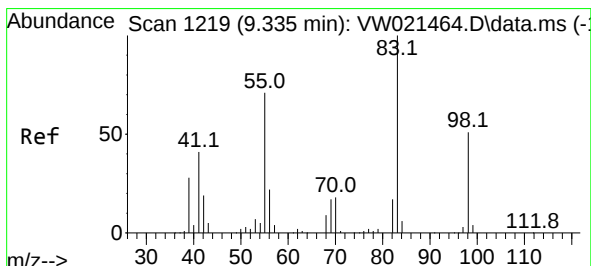
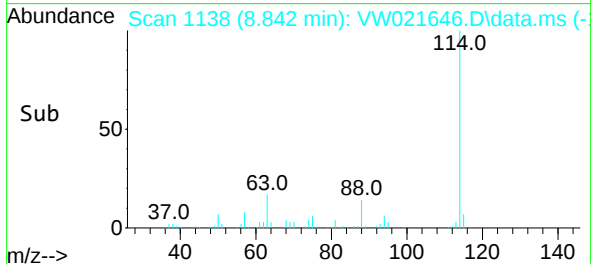
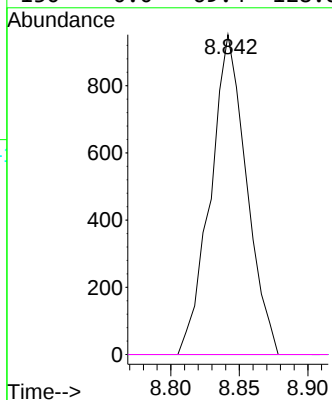


#34
Trichloroethene
Concen: 3.244 ug/L
RT: 8.842 min Scan# 1179
Delta R.T. -0.250 min
Lab File: VW021646.D
Acq: 25 Dec 2021 15:20

Instrument :
MSVOA_W
ClientSampleId :

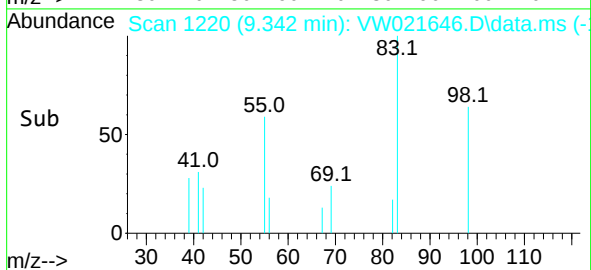
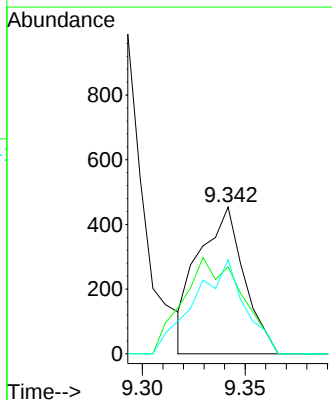
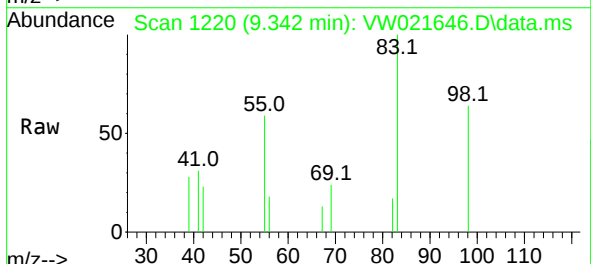


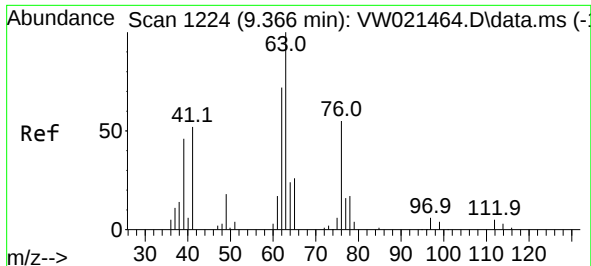
Tgt Ion: 95 Resp: 1739
Ion Ratio Lower Upper
95 100
97 0.0 47.0 87.2#
132 0.0 65.5 121.6#
130 0.0 69.4 128.8#



#35
Methylcyclohexane
Concen: 0.791 ug/L
RT: 9.342 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW021646.D
Acq: 25 Dec 2021 15:20

Tgt Ion: 83 Resp: 699
Ion Ratio Lower Upper
83 100
55 85.0 70.8 106.2
98 71.4 37.7 56.5#





#37

1,2-Dichloropropane

Concen: 5.834 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.097 min

Lab File: VW021646.D

Acq: 25 Dec 2021 15:20

Instrument :

MSVOA_W

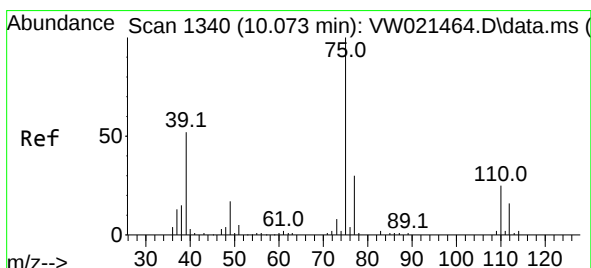
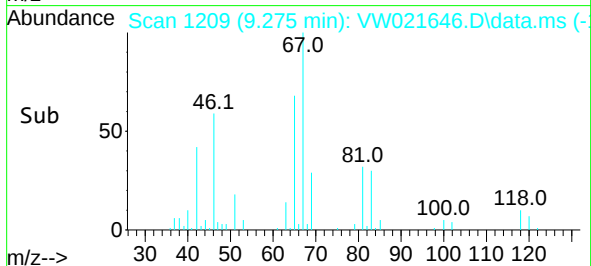
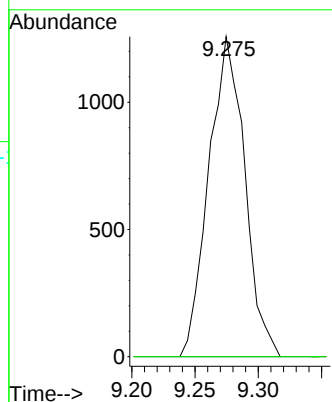
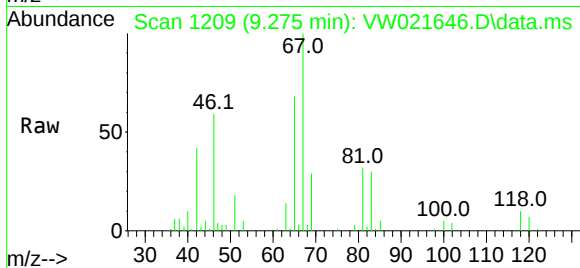
ClientSampleId :

Tgt Ion: 63 Resp: 2485

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.014 ug/L

RT: 10.031 min Scan# 1333

Delta R.T. -0.042 min

Lab File: VW021646.D

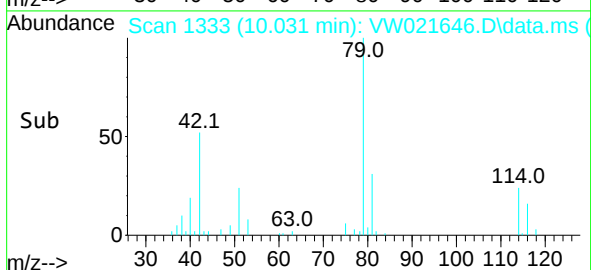
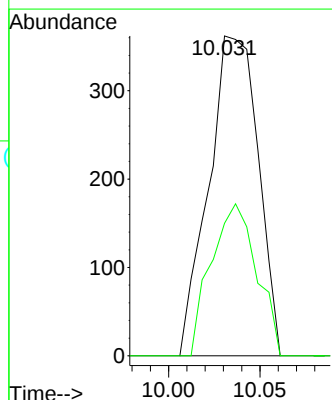
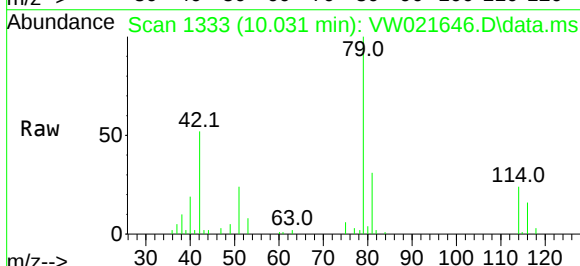
Acq: 25 Dec 2021 15:20

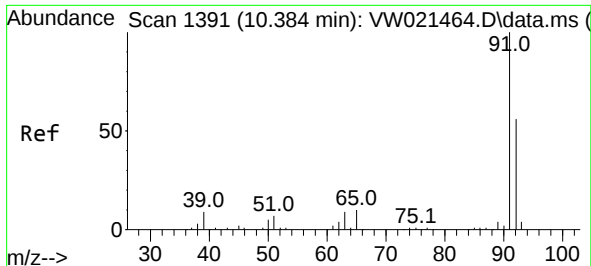
Tgt Ion: 75 Resp: 681

Ion Ratio Lower Upper

75 100

77 41.4 21.8 40.6#

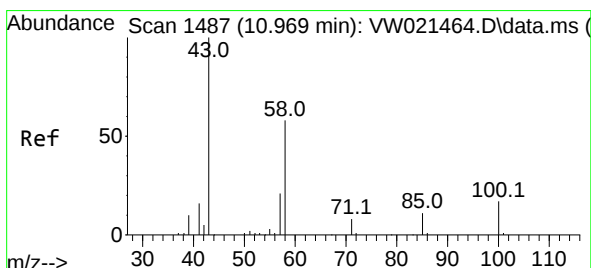
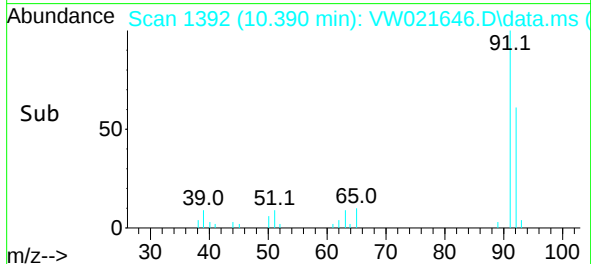
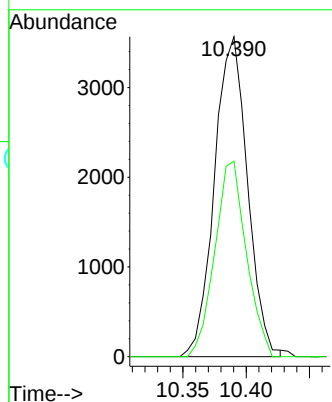
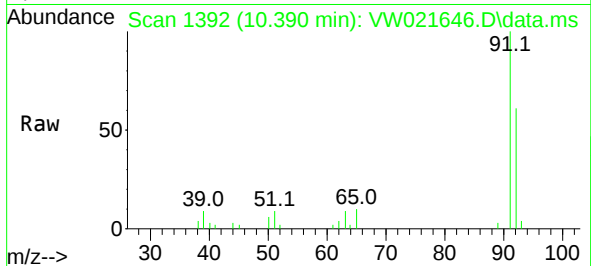




#42
Toluene
Concen: 2.899 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021646.D
Acq: 25 Dec 2021 15:20

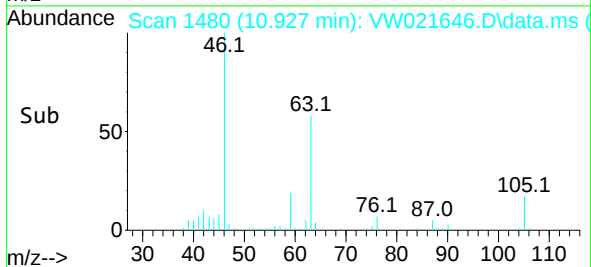
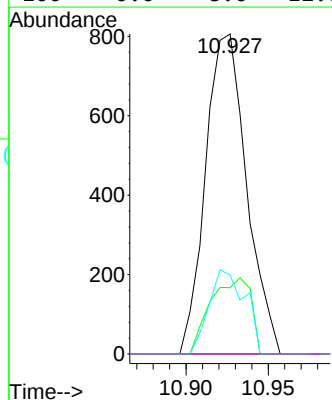
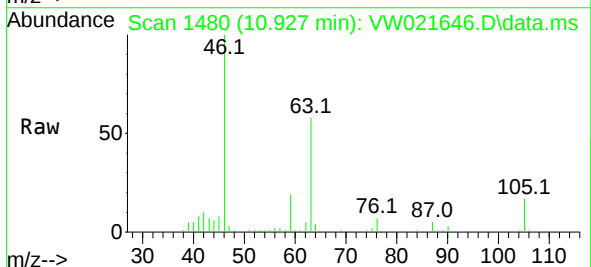
Instrument :
MSVOA_W
ClientSampleId :

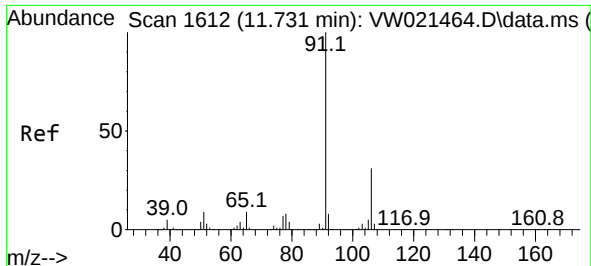
Tgt Ion: 91 Resp: 6473
Ion Ratio Lower Upper
91 100
92 61.1 41.7 77.5



#48
2-Hexanone
Concen: 8.307 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.042 min
Lab File: VW021646.D
Acq: 25 Dec 2021 15:20

Tgt Ion: 43 Resp: 1398
Ion Ratio Lower Upper
43 100
58 23.4 40.2 60.2#
57 23.2 14.3 21.5#
100 0.0 8.0 12.0#





#52

Ethylbenzene

Concen: 2.198 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021646.D

Acq: 25 Dec 2021 15:20

Instrument :

MSVOA_W

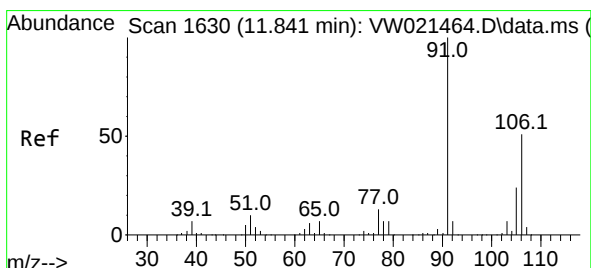
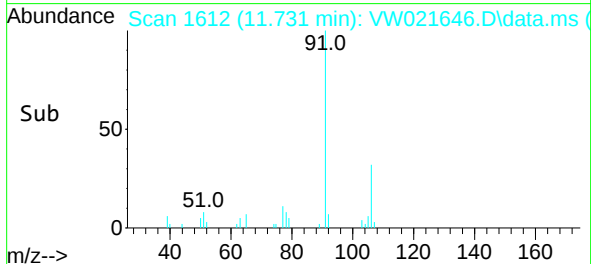
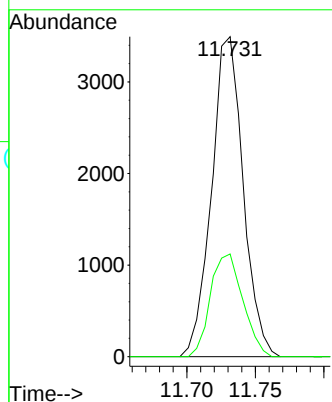
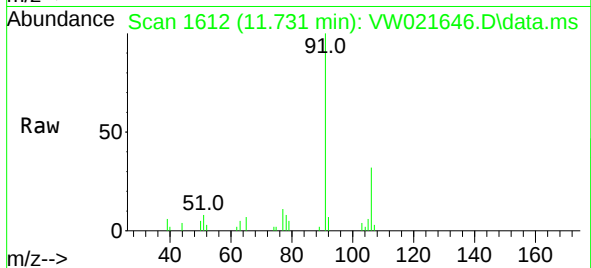
ClientSampleId :

Tgt Ion: 91 Resp: 5609

Ion Ratio Lower Upper

91 100

106 32.1 21.5 39.9



#53

m,p-Xylene

Concen: 0.691 ug/L

RT: 11.841 min Scan# 1630

Delta R.T. 0.006 min

Lab File: VW021646.D

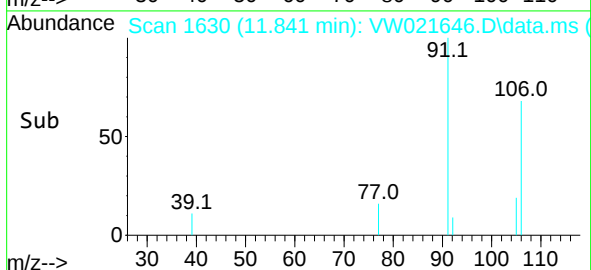
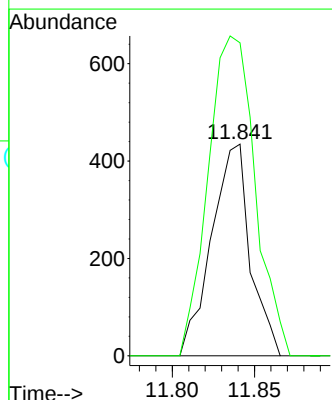
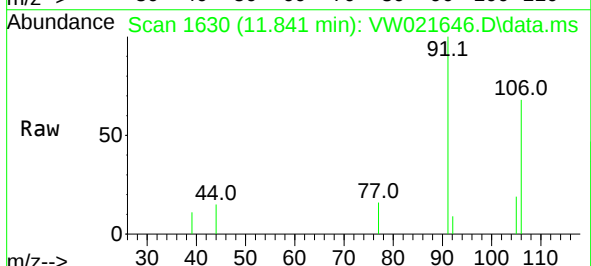
Acq: 25 Dec 2021 15:20

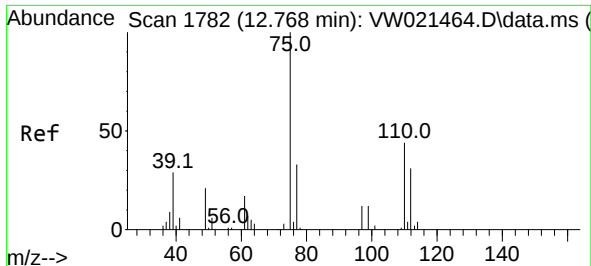
Tgt Ion: 106 Resp: 711

Ion Ratio Lower Upper

106 100

91 147.8 149.9 278.3#





#61

1,2,3-Trichloropropane

Concen: 8.435 ug/L

RT: 13.560 min Scan# 11

Delta R.T. 0.793 min

Lab File: VW021646.D

Acq: 25 Dec 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

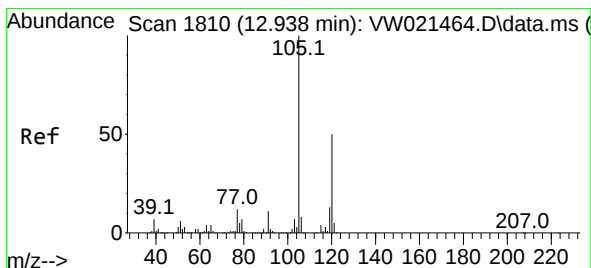
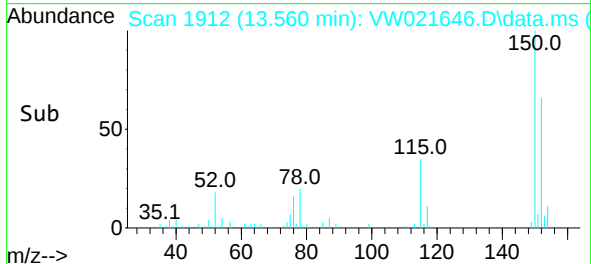
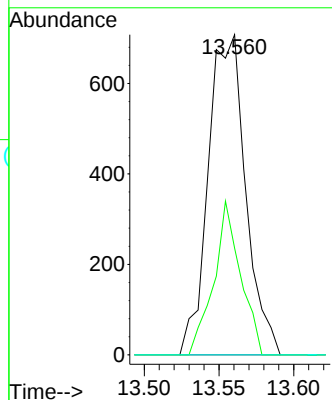
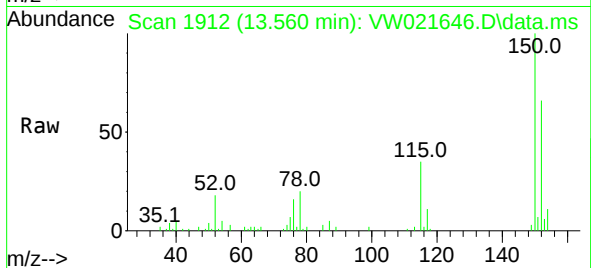
Tgt Ion: 75 Resp: 1229

Ion Ratio Lower Upper

75 100

77 34.4 25.8 38.8

110 0.0 29.0 43.4#



#62

1,3,5-Trimethylbenzene

Concen: 0.553 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. 0.305 min

Lab File: VW021646.D

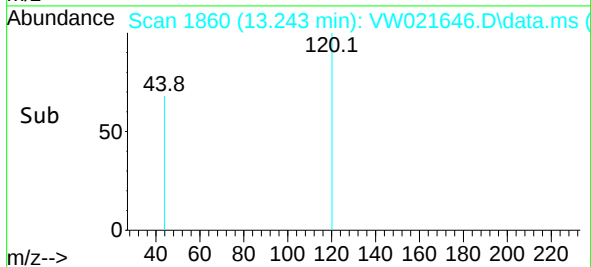
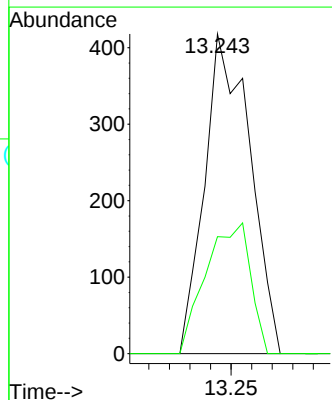
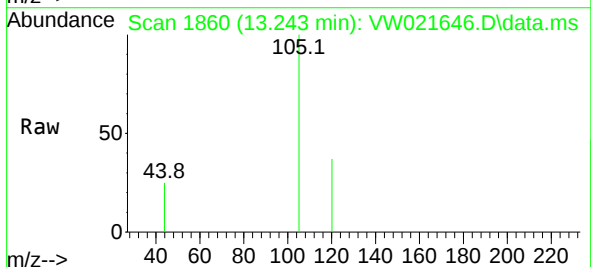
Acq: 25 Dec 2021 15:20

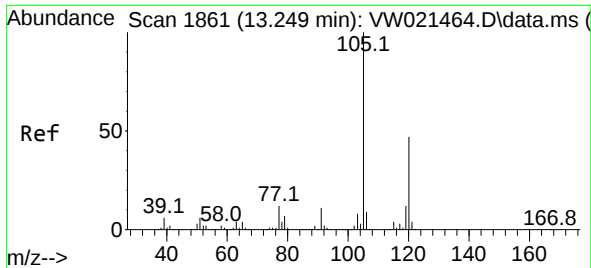
Tgt Ion:105 Resp: 640

Ion Ratio Lower Upper

105 100

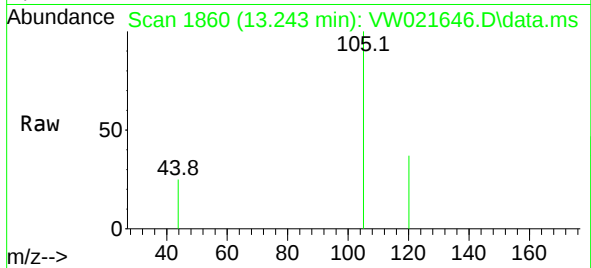
120 40.2 37.4 56.2





#63
 1,2,4-Trimethylbenzene
 Concen: 0.560 ug/L
 RT: 13.243 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VW021646.D
 Acq: 25 Dec 2021 15:20

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:105 Resp: 640
 Ion Ratio Lower Upper
 105 100
 120 40.2 35.0 52.6

