

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121221\
 Data File : VW021346.D
 Acq On : 12 Dec 2021 03:09
 Operator : SY/VA
 Sample : M5062-19
 Misc : 6.30g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 13 03:23:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 10 23:12:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	47750	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	34340	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	8915	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	26160	30.081	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 120.320%	
7) Chloroethane-d5	2.879	69	20425	35.528	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 142.120%	
11) 1,1-Dichloroethene-d2	4.026	63	40894	35.271	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 141.080%#	
21) 2-Butanone-d5	7.074	46	12720	103.763	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 207.520%#	
24) Chloroform-d	7.647	84	44391	33.359	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 133.440%	
26) 1,2-Dichloroethane-d4	8.305	65	23391	33.046	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 132.200%#	
32) Benzene-d6	8.275	84	73735	39.173	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 156.680%#	
36) 1,2-Dichloropropane-d6	9.275	67	22620	44.809	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 179.240%#	
41) Toluene-d8	10.323	98	57246	29.766	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 119.080%	
43) trans-1,3-Dichloroprop...	10.573	79	5886	25.323	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 101.280%	
47) 2-Hexanone-d5	10.921	63	6889	92.287	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 184.580%#	
56) 1,1,2,2-Tetrachloroeth...	12.695	84	14279	32.904	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 131.600%#	
66) 1,2-Dichlorobenzene-d4	13.847	152	7931	22.955	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 91.800%	
Target Compounds						
						Qvalue
8) Chloroethane	2.916	64	1425	3.226	ug/L	98
12) 1,1-Dichloroethene	4.044	96	35202	59.475	ug/L #	66
13) Acetone	4.129	43	3476	31.630	ug/L	79
14) Carbon disulfide	4.379	76	2549	1.668	ug/L	100
16) Methylene chloride	4.922	84	7414	9.397	ug/L	80
19) 1,1-Dichloroethane	6.214	63	353047	351.067	ug/L	95
20) cis-1,2-Dichloroethene	7.165	96	471	0.697	ug/L	73
27) 1,2-Dichloroethane	8.397	62	561	0.759	ug/L #	77
33) Benzene	8.360	78	1066	0.570	ug/L	100
34) Trichloroethene	9.098	95	1809	3.445	ug/L	91
35) Methylcyclohexane	9.275	83	6010	6.938	ug/L #	14
37) 1,2-Dichloropropane	9.275	63	2789	6.684	ug/L #	88
39) cis-1,3-Dichloropropene	10.037	75	667	1.014	ug/L	89
46) Tetrachloroethene	10.860	164	13851	27.766	ug/L	92
48) 2-Hexanone	10.921	43	907	5.501	ug/L #	68
49) Dibromochloromethane	10.860	129	11225	26.661	ug/L #	10
61) 1,2,3-Trichloropropane	13.560	75	1037	7.992	ug/L #	67

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 10 23:12:45 2021
Response via : Initial Calibration

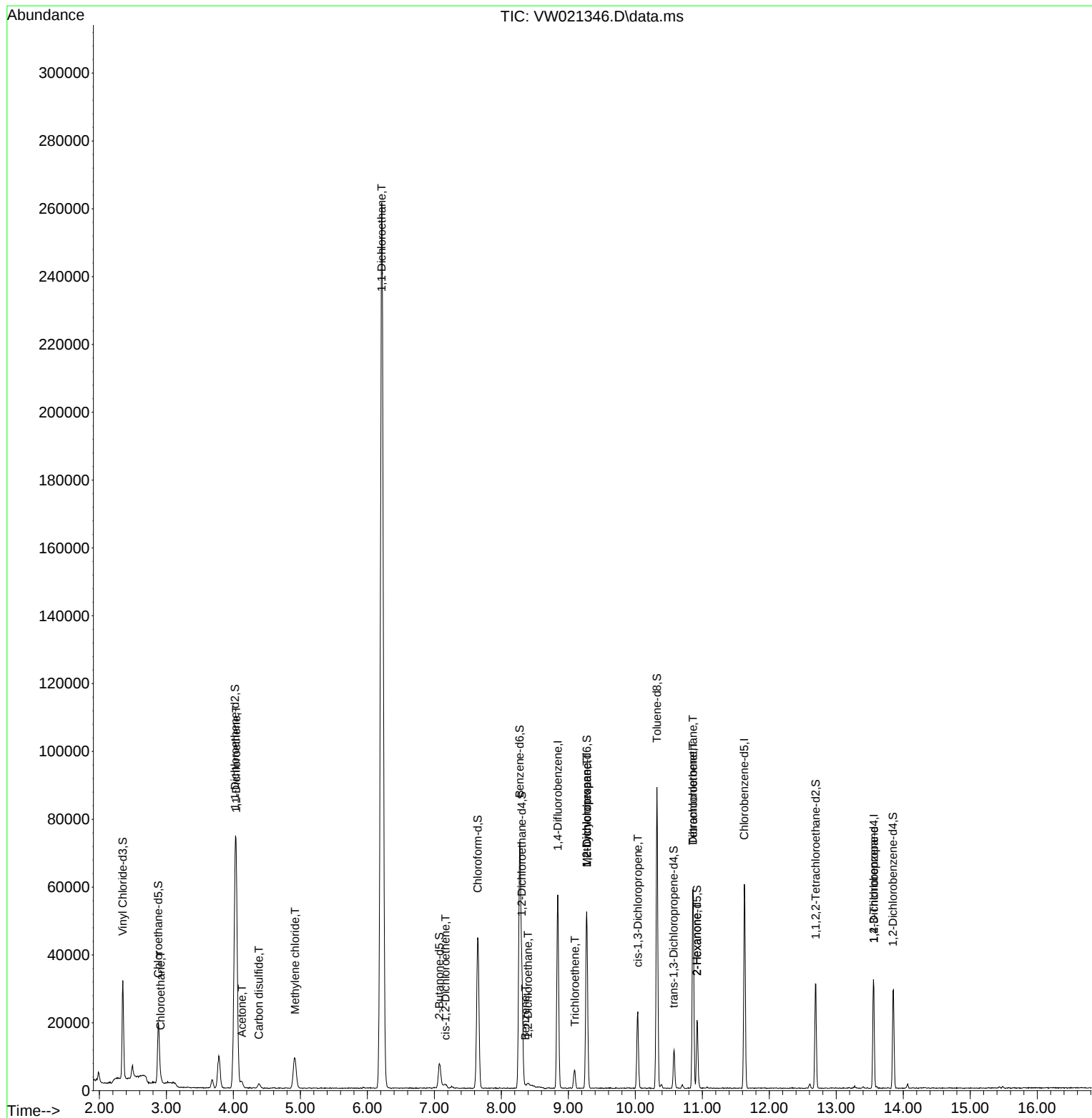
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

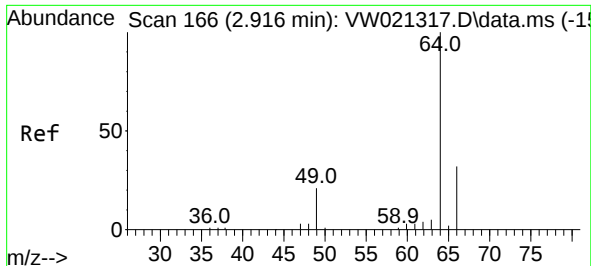
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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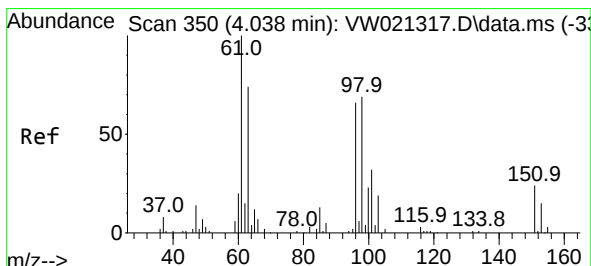
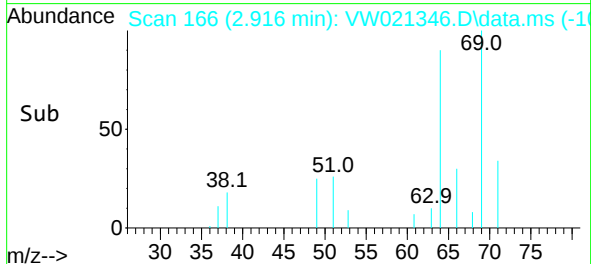
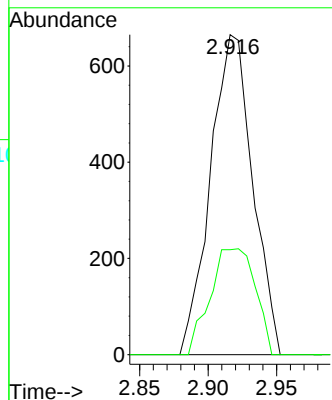
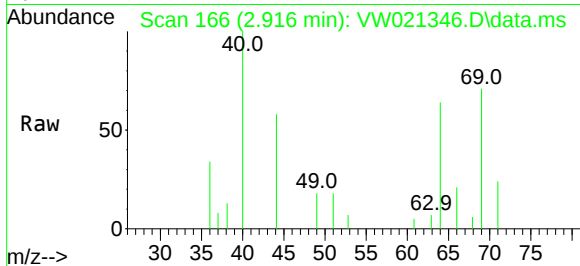




#8
Chloroethane
Concen: 3.226 ug/L
RT: 2.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW021346.D
Acq: 12 Dec 2021 03:09

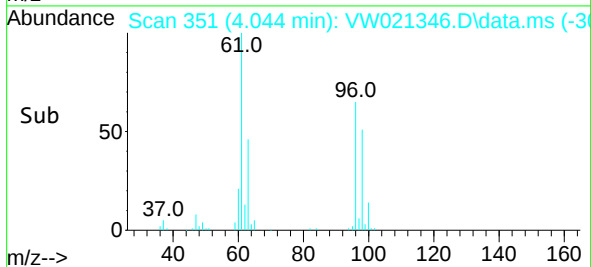
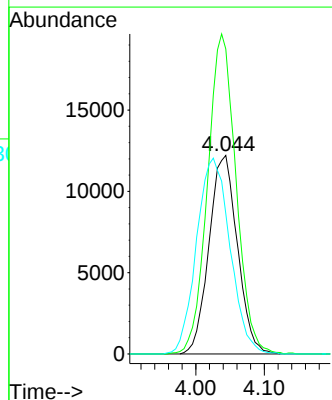
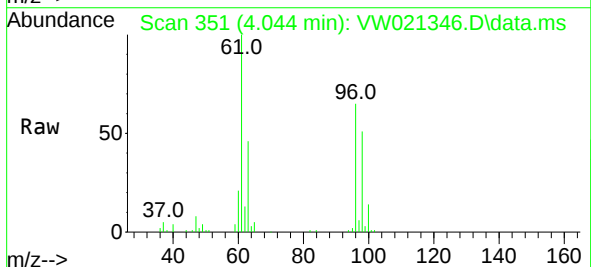
Instrument :
MSVOA_W
ClientSampleId :

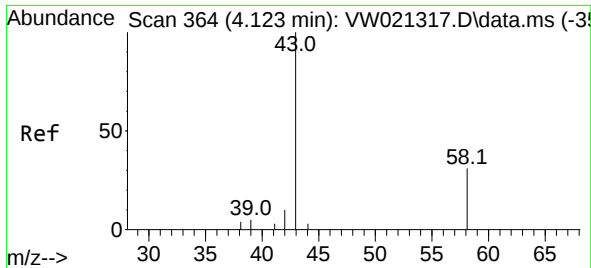
Tgt Ion: 64 Resp: 1425
Ion Ratio Lower Upper
64 100
66 32.8 22.0 40.8



#12
1,1-Dichloroethene
Concen: 59.475 ug/L
RT: 4.044 min Scan# 351
Delta R.T. 0.000 min
Lab File: VW021346.D
Acq: 12 Dec 2021 03:09

Tgt Ion: 96 Resp: 35202
Ion Ratio Lower Upper
96 100
61 153.6 138.3 256.9
63 70.7 82.6 153.4#





#13

Acetone

Concen: 31.630 ug/L

RT: 4.129 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021346.D

Acq: 12 Dec 2021 03:09

Instrument :

MSVOA_W

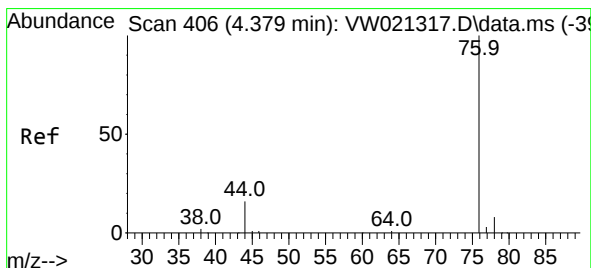
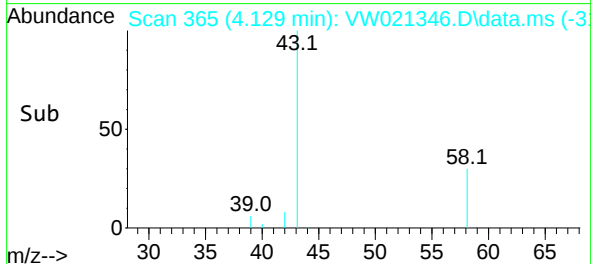
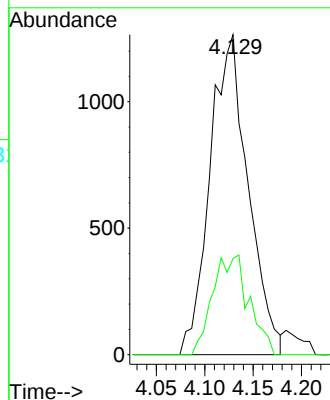
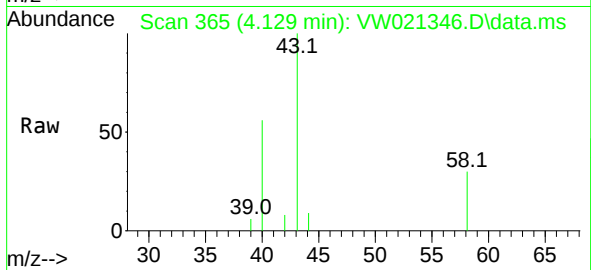
ClientSampleId :

Tgt Ion: 43 Resp: 3476

Ion Ratio Lower Upper

43 100

58 15.6 0.0 52.8



#14

Carbon disulfide

Concen: 1.668 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW021346.D

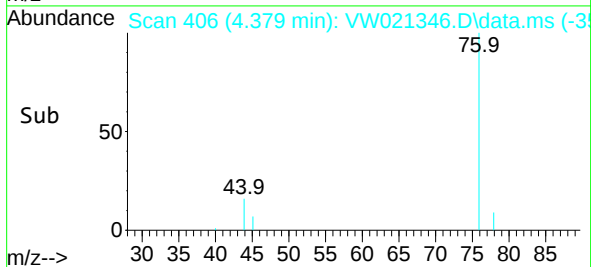
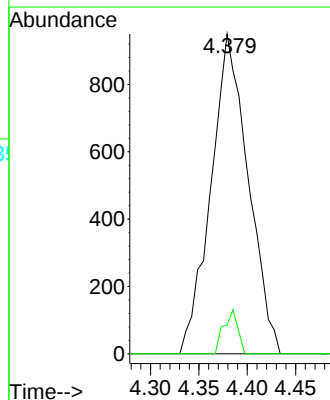
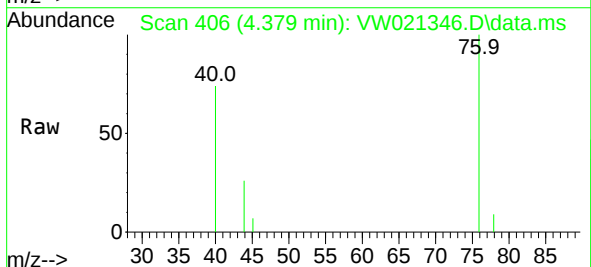
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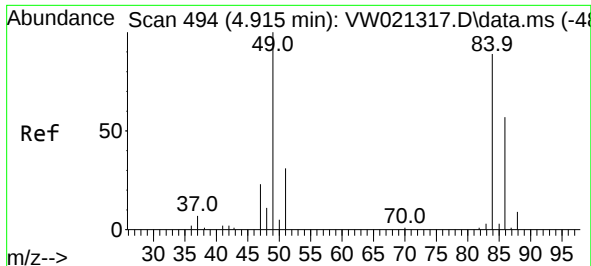
Tgt Ion: 76 Resp: 2549

Ion Ratio Lower Upper

76 100

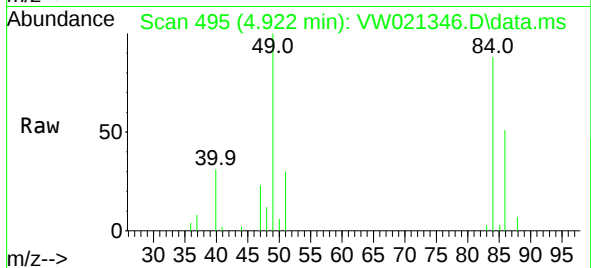
78 8.9 7.1 10.7



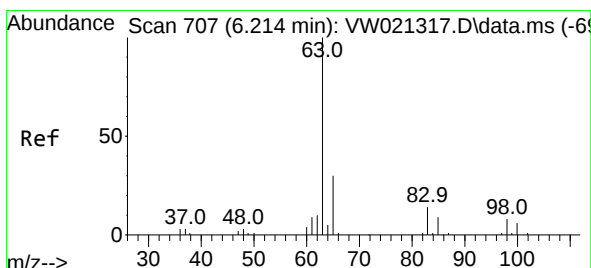
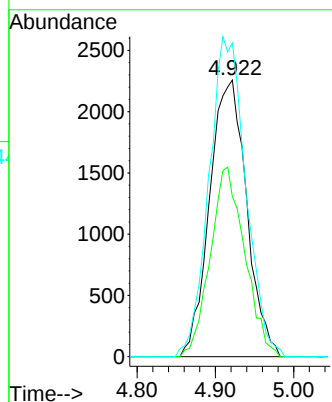
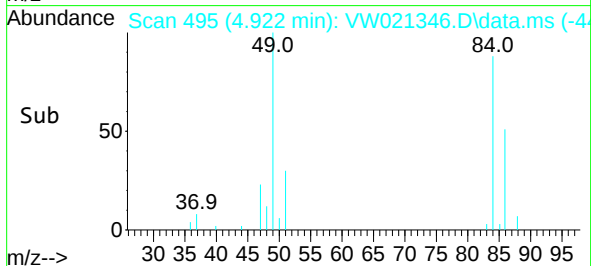


#16
Methylene chloride
Concen: 9.397 ug/L
RT: 4.922 min Scan# 49
Delta R.T. 0.006 min
Lab File: VW021346.D
Acq: 12 Dec 2021 03:09

Instrument :
MSVOA_W
ClientSampleId :

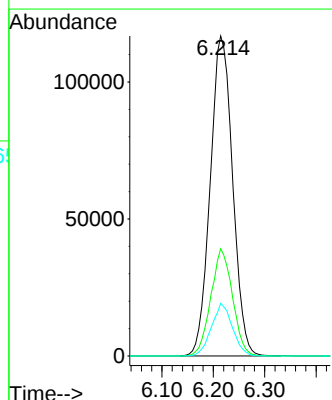
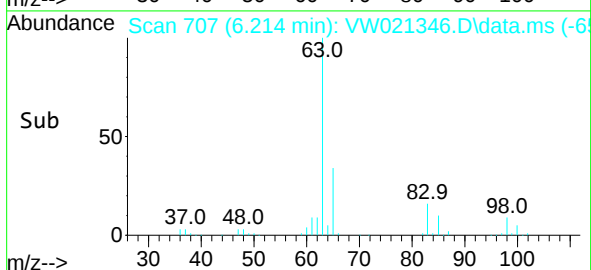
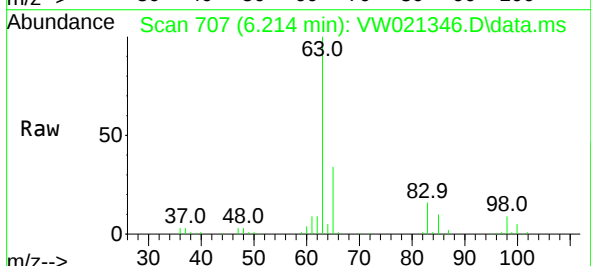


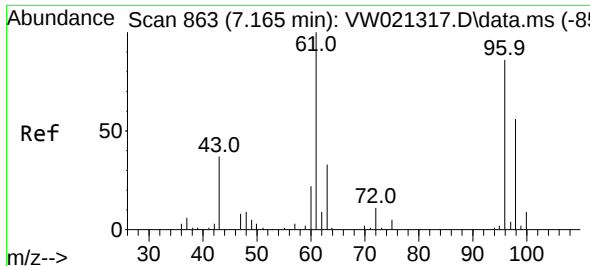
Tgt Ion: 84 Resp: 7414
Ion Ratio Lower Upper
84 100
86 57.9 45.5 84.5
49 113.4 100.5 186.7



#19
1,1-Dichloroethane
Concen: 351.067 ug/L
RT: 6.214 min Scan# 707
Delta R.T. 0.000 min
Lab File: VW021346.D
Acq: 12 Dec 2021 03:09

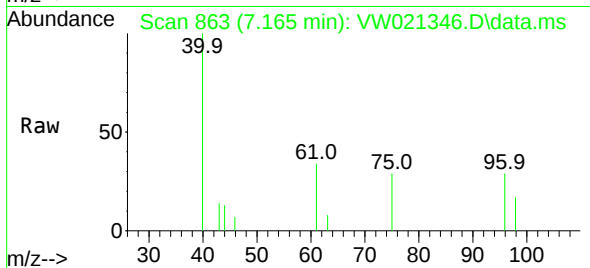
Tgt Ion: 63 Resp: 353047
Ion Ratio Lower Upper
63 100
65 33.5 22.1 41.1
83 16.4 9.2 17.2



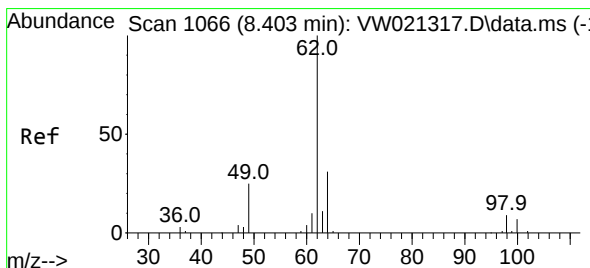
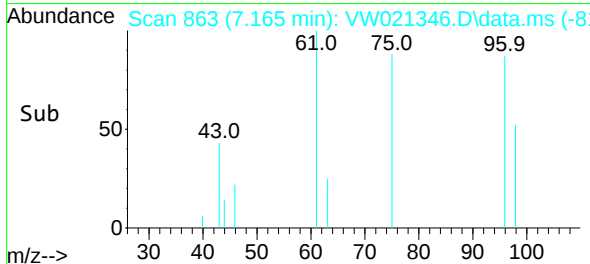
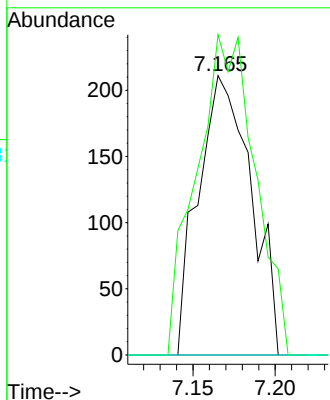


#20
 cis-1,2-Dichloroethene
 Concen: 0.697 ug/L
 RT: 7.165 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VW021346.D
 Acq: 12 Dec 2021 03:09

Instrument :
 MSVOA_W
 ClientSampleId :

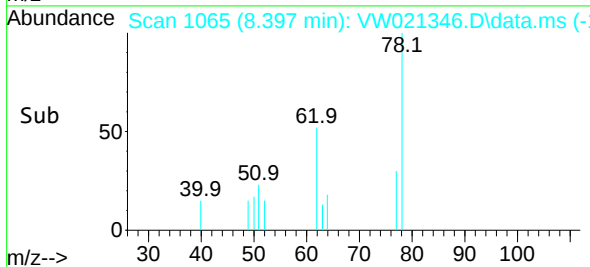
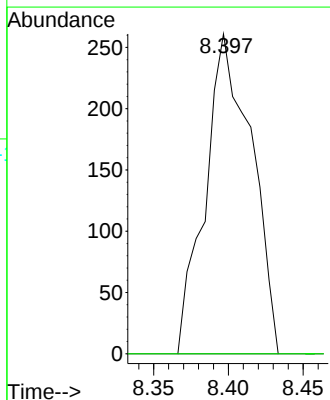
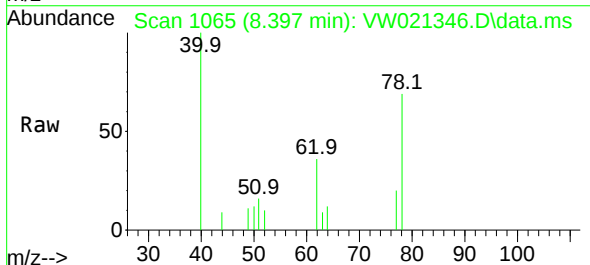


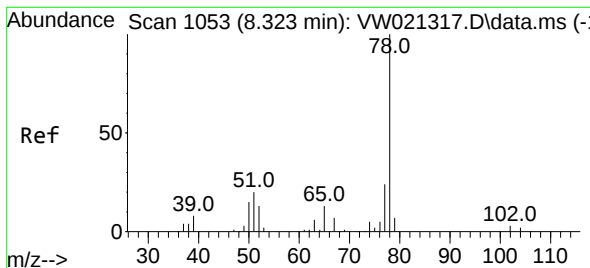
Tgt Ion: 96 Resp: 471
 Ion Ratio Lower Upper
 96 100
 61 114.7 103.7 192.7
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.759 ug/L
 RT: 8.397 min Scan# 1065
 Delta R.T. -0.006 min
 Lab File: VW021346.D
 Acq: 12 Dec 2021 03:09

Tgt Ion: 62 Resp: 561
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.5 9.7#





#33

Benzene

Concen: 0.570 ug/L

RT: 8.360 min Scan# 1106

Delta R.T. 0.037 min

Lab File: VW021346.D

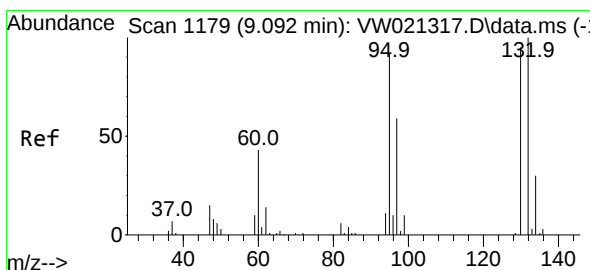
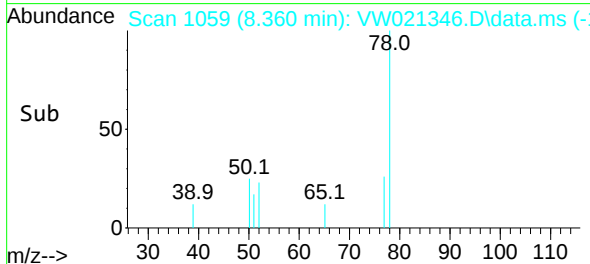
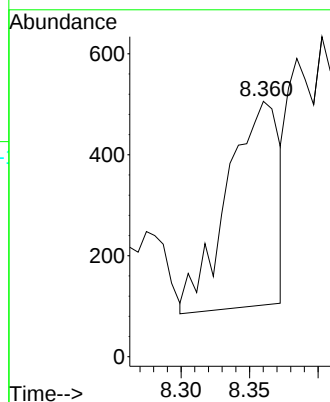
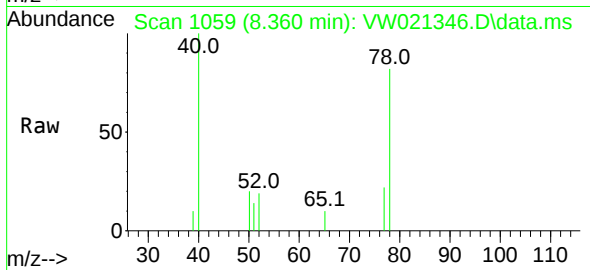
Acq: 12 Dec 2021 03:09

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 1066



#34

Trichloroethene

Concen: 3.445 ug/L

RT: 9.098 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VW021346.D

Acq: 12 Dec 2021 03:09

Tgt Ion: 95 Resp: 1809

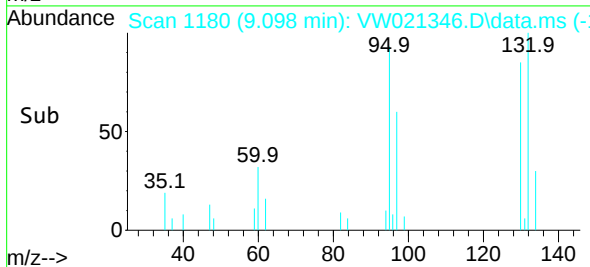
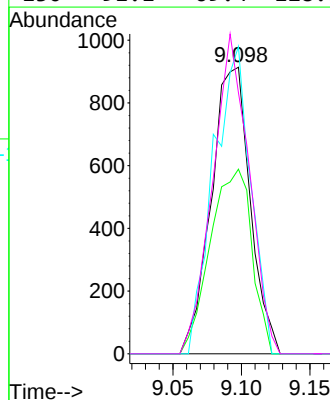
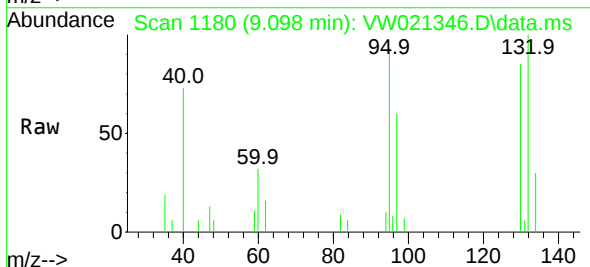
Ion Ratio Lower Upper

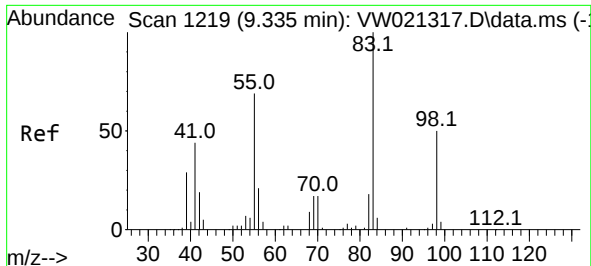
95 100

97 64.4 47.0 87.2

132 107.2 65.5 121.6

130 91.1 69.4 128.8





#35

Methylcyclohexane

Concen: 6.938 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.061 min

Lab File: VW021346.D

Acq: 12 Dec 2021 03:09

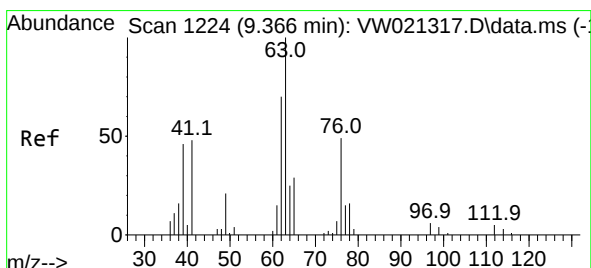
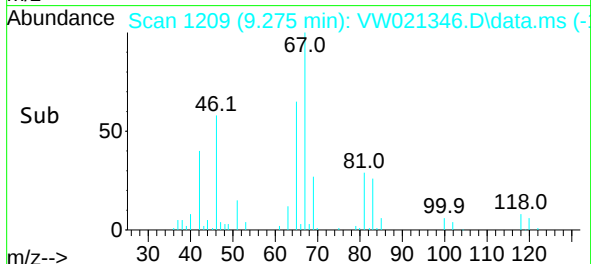
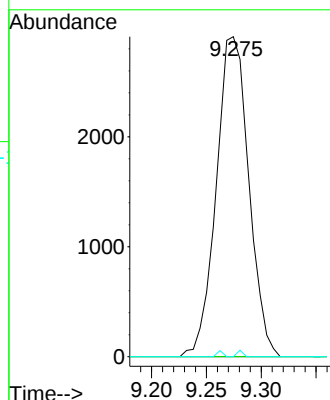
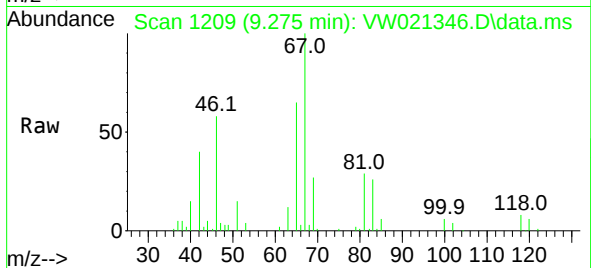
Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83 Resp: 6010

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: 6.684 ug/L

RT: 9.275 min Scan# 1209

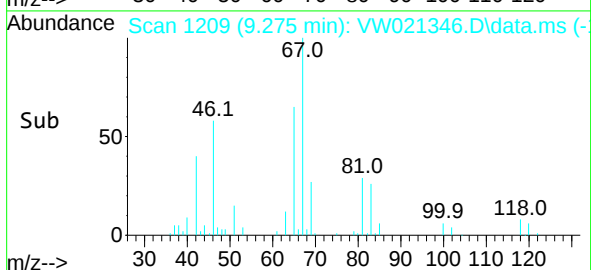
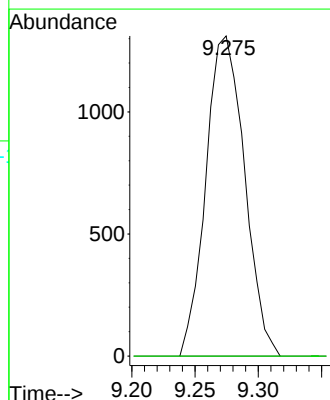
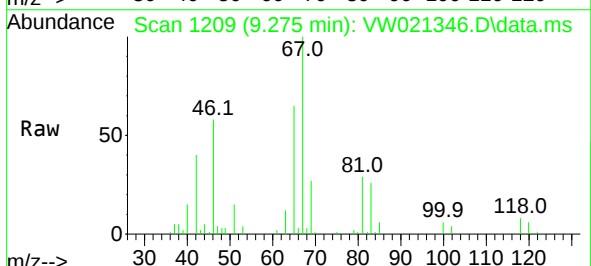
Delta R.T. -0.091 min

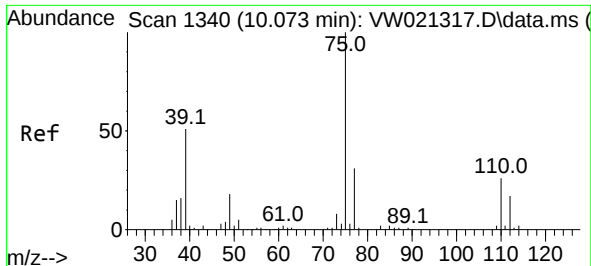
Lab File: VW021346.D

Acq: 12 Dec 2021 03:09

Tgt Ion: 63 Resp: 2789

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#





#39

cis-1,3-Dichloropropene

Concen: 1.014 ug/L

RT: 10.037 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021346.D

Acq: 12 Dec 2021 03:09

Instrument :

MSVOA_W

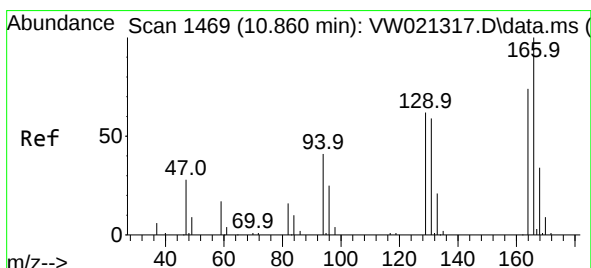
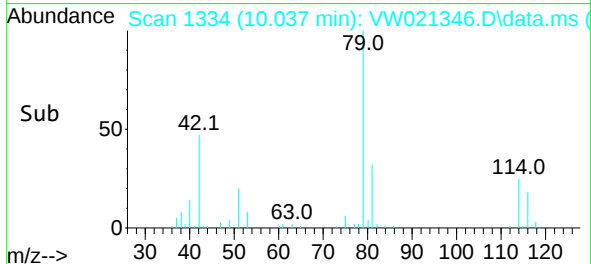
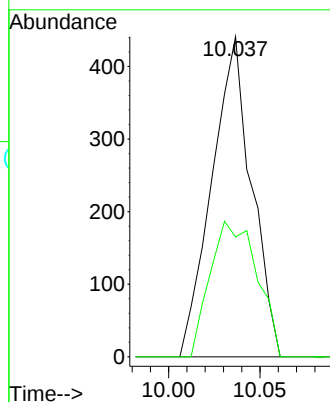
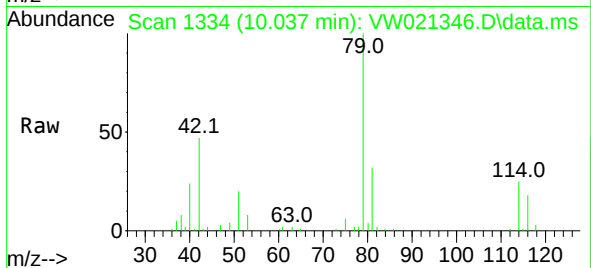
ClientSampleId :

Tgt Ion: 75 Resp: 667

Ion Ratio Lower Upper

75 100

77 37.4 21.8 40.6



#46

Tetrachloroethene

Concen: 27.766 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW021346.D

Acq: 12 Dec 2021 03:09

Tgt Ion: 164 Resp: 13851

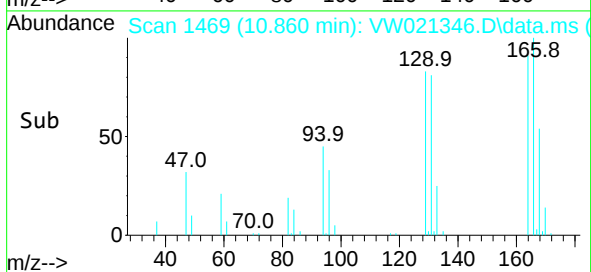
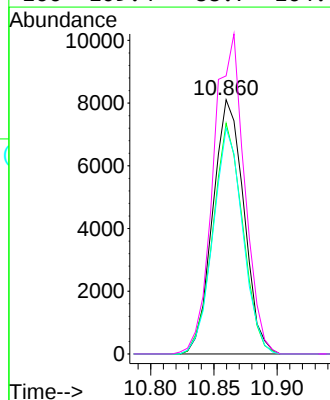
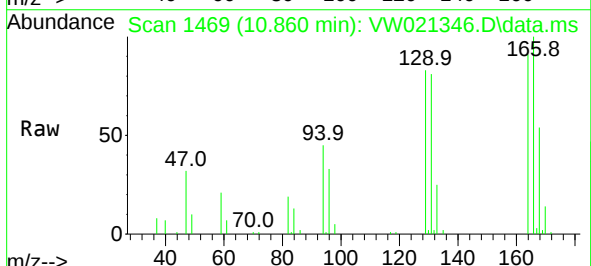
Ion Ratio Lower Upper

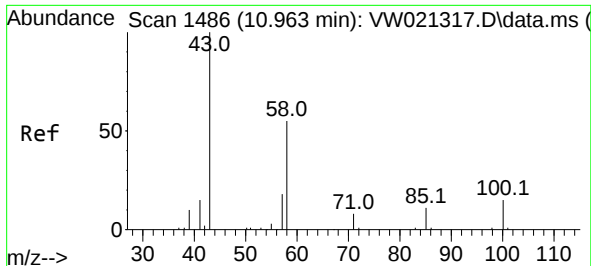
164 100

129 90.7 65.5 121.7

131 88.8 59.7 110.9

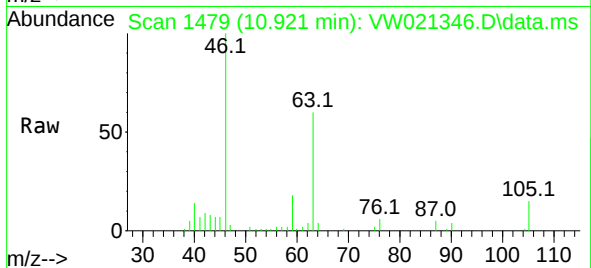
166 109.4 88.7 164.7



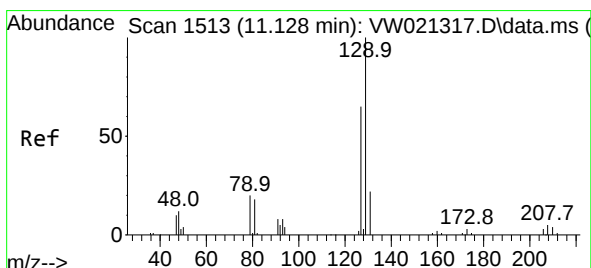
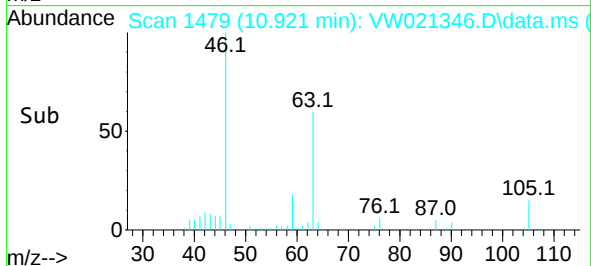
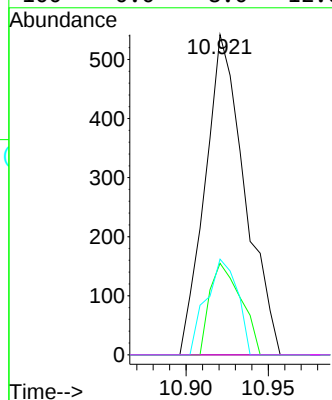


#48
2-Hexanone
Concen: 5.501 ug/L
RT: 10.921 min Scan# 1486
Delta R.T. -0.049 min
Lab File: VW021346.D
Acq: 12 Dec 2021 03:09

Instrument :
MSVOA_W
ClientSampleId :

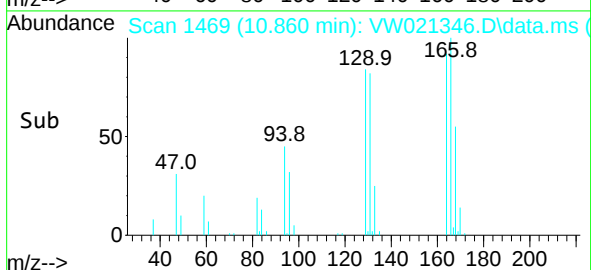
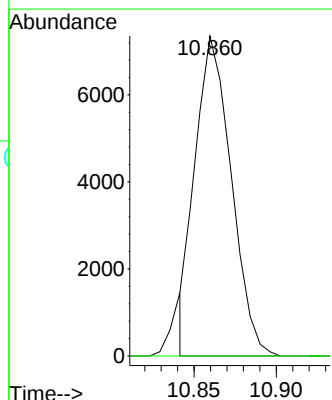
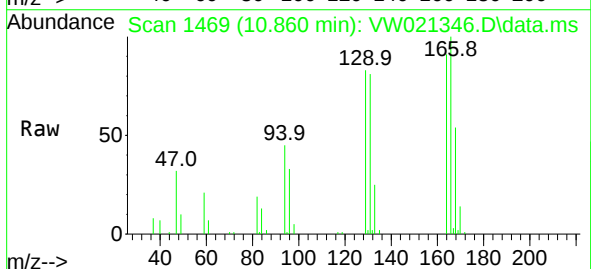


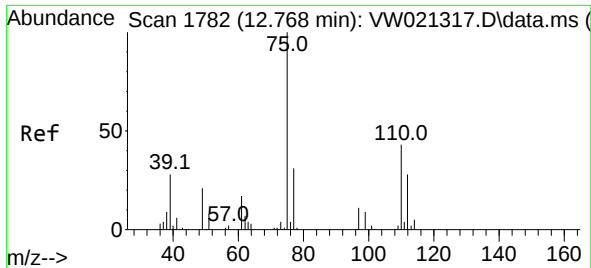
Tgt Ion: 43	Resp: 907
Ion Ratio	Lower Upper
43 100	
58 22.6	40.2 60.2#
57 23.6	14.3 21.5#
100 0.0	8.0 12.0#



#49
Dibromochloromethane
Concen: 26.661 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW021346.D
Acq: 12 Dec 2021 03:09

Tgt Ion:129	Resp:	11225	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#





#61
1,2,3-Trichloropropane
Concen: 7.992 ug/L
RT: 13.560 min Scan# 1912
Delta R.T. 0.793 min
Lab File: VW021346.D
Acq: 12 Dec 2021 03:09

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 1037
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
110 0.0 29.0 43.4#

