

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
 Data File : VW021328.D
 Acq On : 11 Dec 2021 15:41
 Operator : SY/VA
 Sample : M5062-05
 Misc : 6.80g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 08:08:20 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	90173	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	88463	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	47918	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	36301	22.104	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.400%
7) Chloroethane-d5	2.879	69	28848	26.571	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.280%
11) 1,1-Dichloroethene-d2	4.032	63	138608	63.307	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	253.240%#
21) 2-Butanone-d5	7.074	46	15070	65.098	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.200%
24) Chloroform-d	7.647	84	62271	24.780	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.120%
26) 1,2-Dichloroethane-d4	8.305	65	32830	24.561	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.240%
32) Benzene-d6	8.275	84	112386	23.177	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.720%
36) 1,2-Dichloropropane-d6	9.275	67	32847	25.258	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.040%
41) Toluene-d8	10.323	98	108057	21.810	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.240%
43) trans-1,3-Dichloroprop...	10.579	79	15622	26.090	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.360%
47) 2-Hexanone-d5	10.921	63	12161	63.240	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.480%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	29893	26.740	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.960%
66) 1,2-Dichlorobenzene-d4	13.847	152	38636	20.805	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.038	96	211482	189.207	ug/L	# 60
13) Acetone	4.111	43	1285	6.192	ug/L	82
19) 1,1-Dichloroethane	6.214	63	325787	171.549	ug/L	96
25) Chloroform	7.872	83	12285	5.573	ug/L	96
27) 1,2-Dichloroethane	8.397	62	1381	0.989	ug/L	# 77
30) 1,1,1-Trichloroethane	7.878	97	8162841	4112.558	ug/L	# 89
31) Carbon tetrachloride	7.878	117	1154102	630.311	ug/L	96
34) Trichloroethene	9.086	95	509236	376.438	ug/L	97
35) Methylcyclohexane	9.275	83	8754	3.923	ug/L	# 14
37) 1,2-Dichloropropane	9.275	63	4099	3.813	ug/L	# 94
39) cis-1,3-Dichloropropene	10.031	75	1339	0.790	ug/L	# 65
42) Toluene	10.390	91	349122	61.944	ug/L	99
45) 1,1,2-Trichloroethane	10.793	97	5096	5.792	ug/L	88
46) Tetrachloroethene	10.872	164	5335541	4151.898	ug/L	90
53) m,p-Xylene	11.835	106	6698	2.578	ug/L	88
54) o-Xylene	12.164	106	2847	1.155	ug/L	84
57) 1,1,2,2-Tetrachloroethane	12.713	83	1134	1.124	ug/L	# 89
63) 1,2,4-Trimethylbenzene	13.249	105	5021	0.919	ug/L	99
71) Naphthalene	15.359	128	3291	1.097	ug/L	99

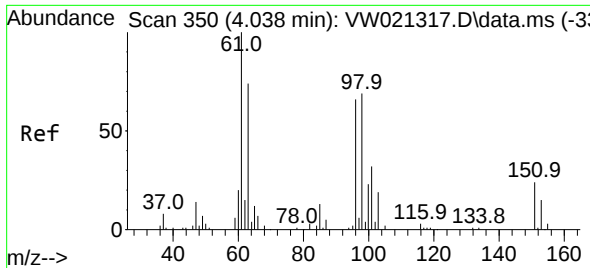
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
Data File : VW021328.D
Acq On : 11 Dec 2021 15:41
Operator : SY/VA
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Quant Time: Dec 12 08:08:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 10 23:12:45 2021
Response via : Initial Calibration

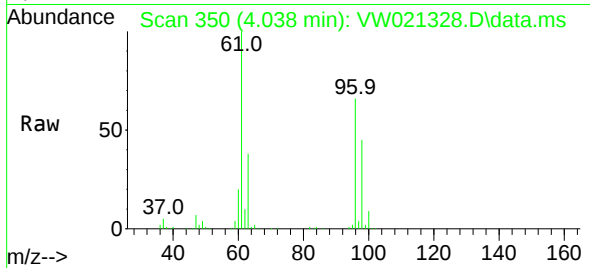
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



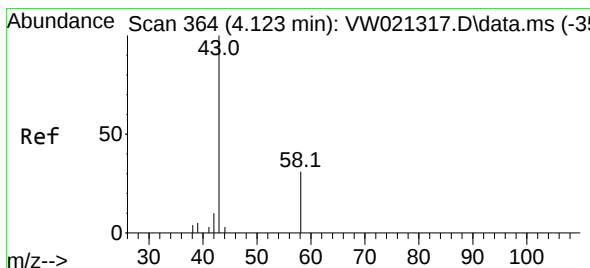
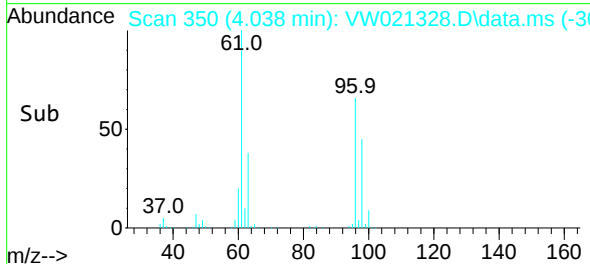
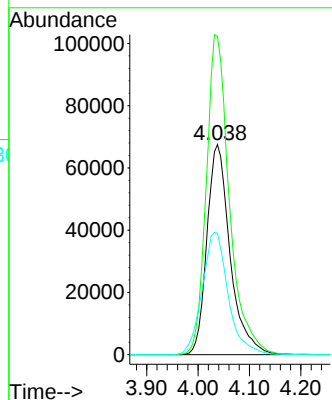
#12
 1,1-Dichloroethene
 Concen: 189.207 ug/L
 RT: 4.038 min Scan# 311
 Delta R.T. -0.006 min
 Lab File: VW021328.D
 Acq: 11 Dec 2021 15:41

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 96 Resp: 211482

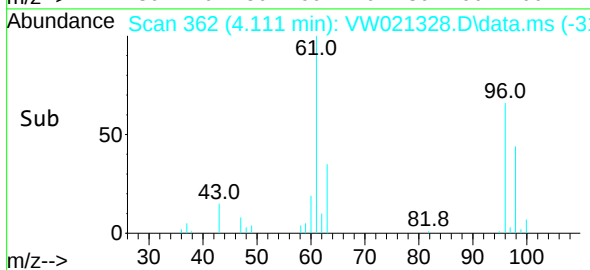
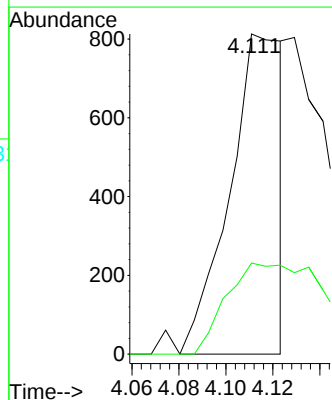
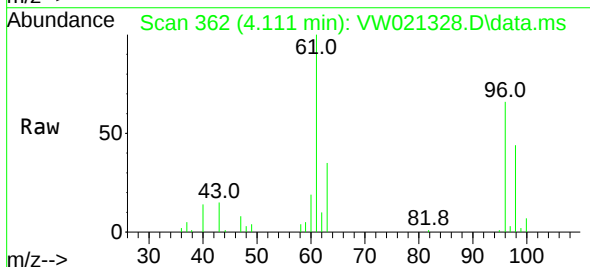
Ion	Ratio	Lower	Upper
96	100		
61	151.5	138.3	256.9
63	57.8	82.6	153.4

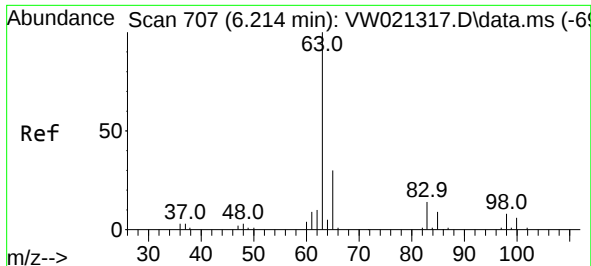


#13
 Acetone
 Concen: 6.192 ug/L
 RT: 4.111 min Scan# 362
 Delta R.T. -0.012 min
 Lab File: VW021328.D
 Acq: 11 Dec 2021 15:41

Tgt Ion: 43 Resp: 1285

Ion	Ratio	Lower	Upper
43	100		
58	35.8	0.0	52.8

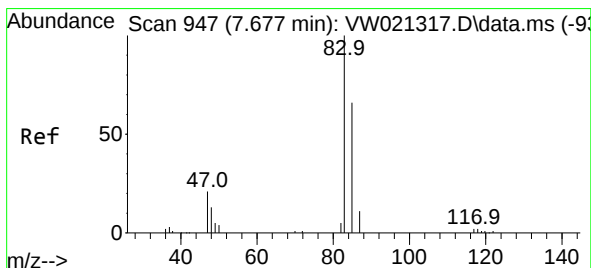
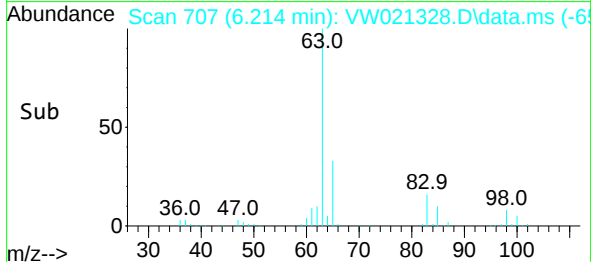
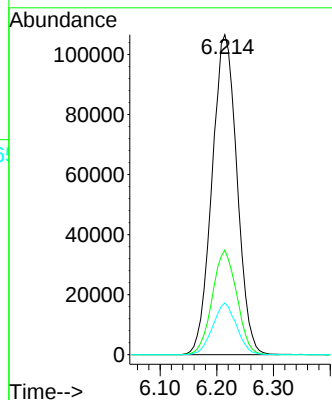
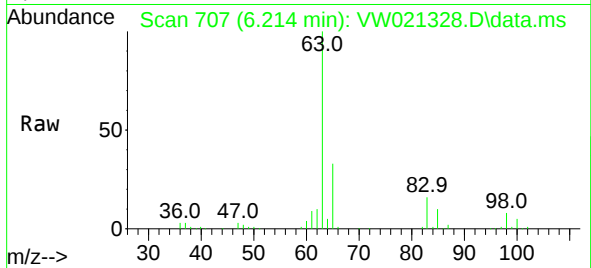




#19
1,1-Dichloroethane
Concen: 171.549 ug/L
RT: 6.214 min Scan# 707
Delta R.T. 0.000 min
Lab File: VW021328.D
Acq: 11 Dec 2021 15:41

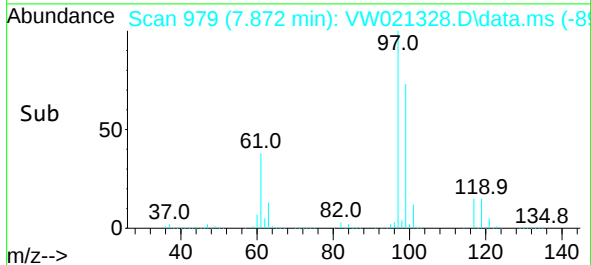
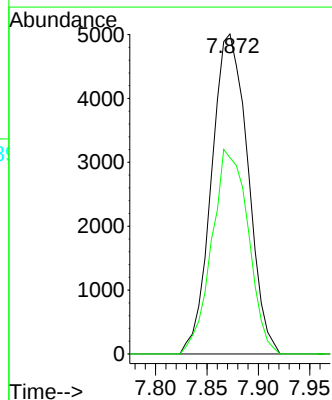
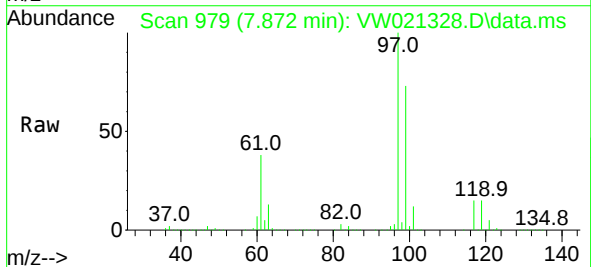
Instrument :
MSVOA_W
ClientSampleId :

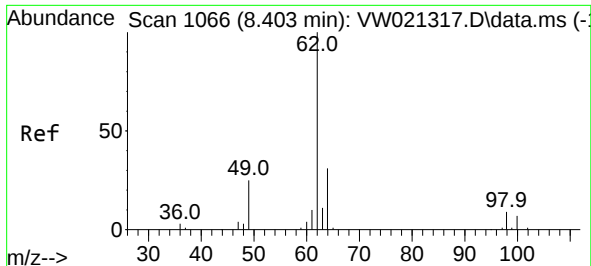
Tgt Ion: 63 Resp: 325787
Ion Ratio Lower Upper
63 100
65 32.7 22.1 41.1
83 16.2 9.2 17.2



#25
Chloroform
Concen: 5.573 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.195 min
Lab File: VW021328.D
Acq: 11 Dec 2021 15:41

Tgt Ion: 83 Resp: 12285
Ion Ratio Lower Upper
83 100
85 61.4 45.1 83.7





#27

1,2-Dichloroethane

Concen: 0.989 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VW021328.D

Acq: 11 Dec 2021 15:41

Instrument :

MSVOA_W

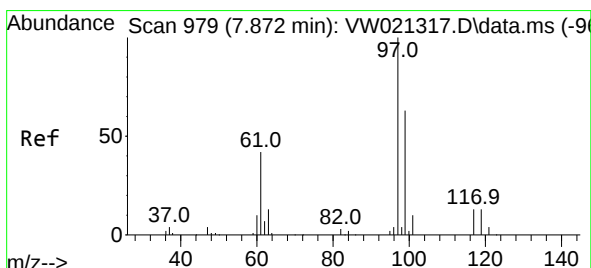
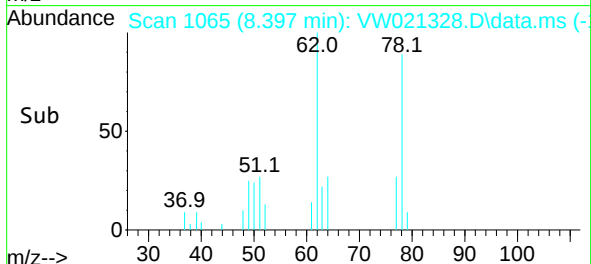
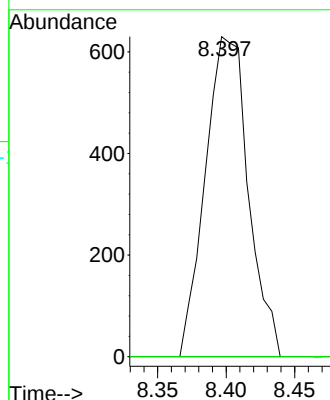
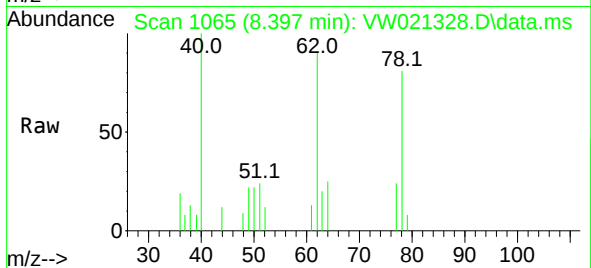
ClientSampleId :

Tgt Ion: 62 Resp: 1381

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#



#30

1,1,1-Trichloroethane

Concen: 4112.558 ug/L

RT: 7.878 min Scan# 980

Delta R.T. 0.006 min

Lab File: VW021328.D

Acq: 11 Dec 2021 15:41

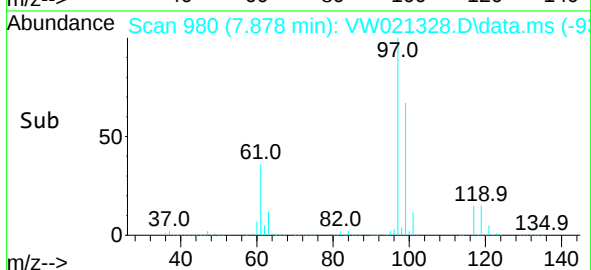
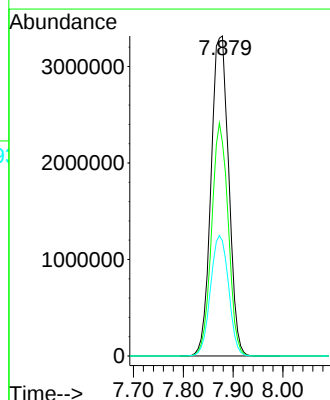
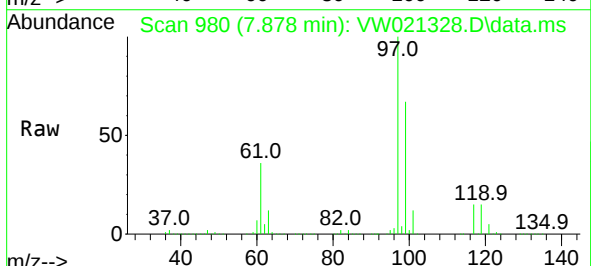
Tgt Ion: 97 Resp: 8162841

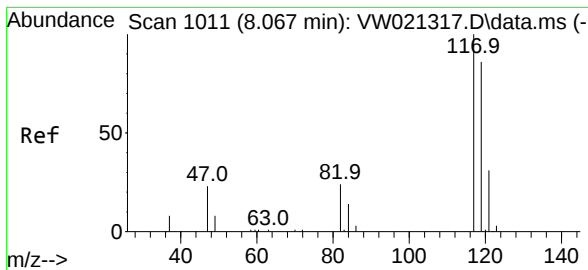
Ion Ratio Lower Upper

97 100

99 68.2 51.6 77.4

61 38.4 40.9 61.3#

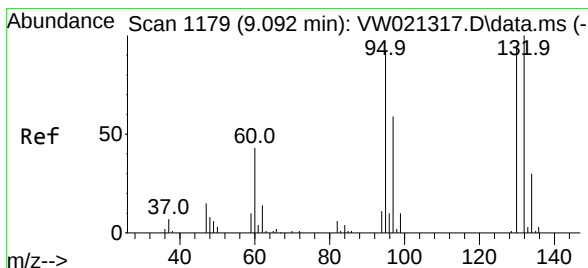
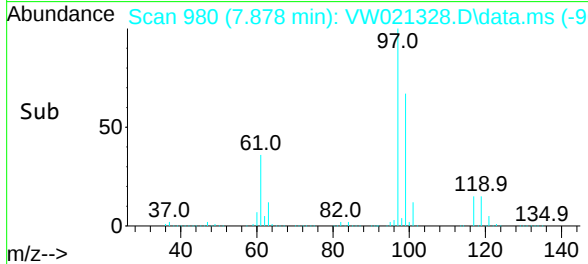
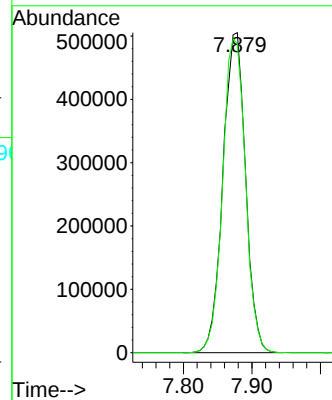
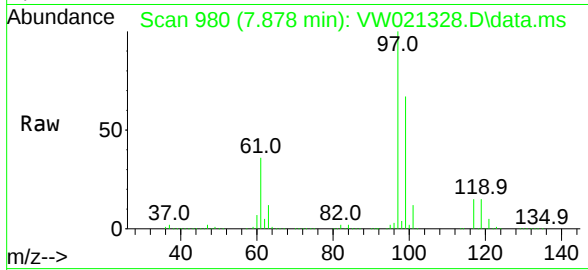




#31
Carbon tetrachloride
Concen: 630.311 ug/L
RT: 7.878 min Scan# 91
Delta R.T. -0.189 min
Lab File: VW021328.D
Acq: 11 Dec 2021 15:41

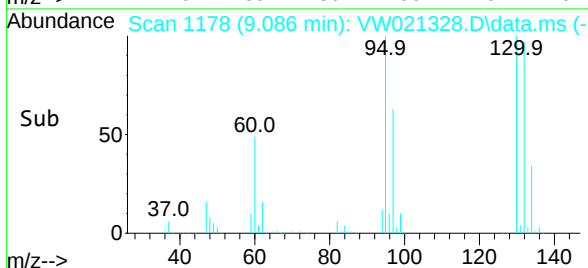
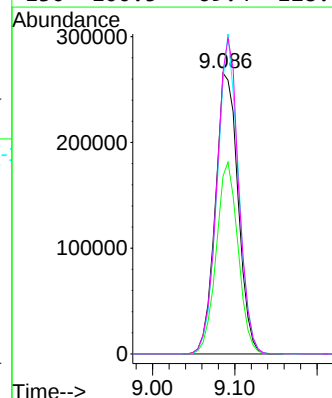
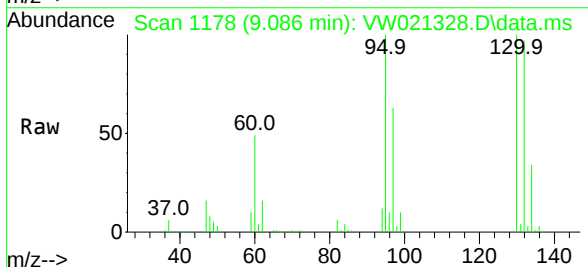
Instrument :
MSVOA_W
ClientSampleId :

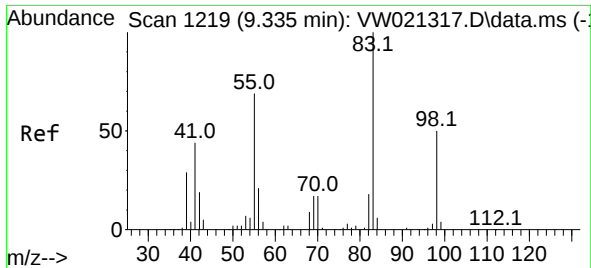
Tgt Ion:117 Resp: 1154102
Ion Ratio Lower Upper
117 100
119 98.9 75.7 113.5



#34
Trichloroethene
Concen: 376.438 ug/L
RT: 9.086 min Scan# 1178
Delta R.T. -0.006 min
Lab File: VW021328.D
Acq: 11 Dec 2021 15:41

Tgt Ion: 95 Resp: 509236
Ion Ratio Lower Upper
95 100
97 63.3 47.0 87.2
132 97.7 65.5 121.6
130 100.5 69.4 128.8

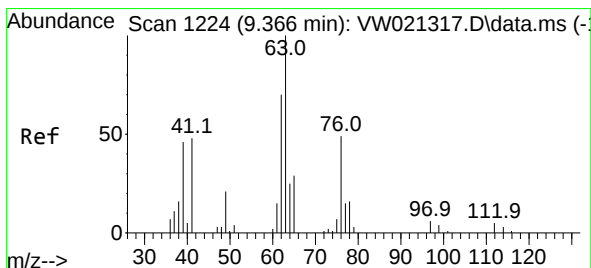
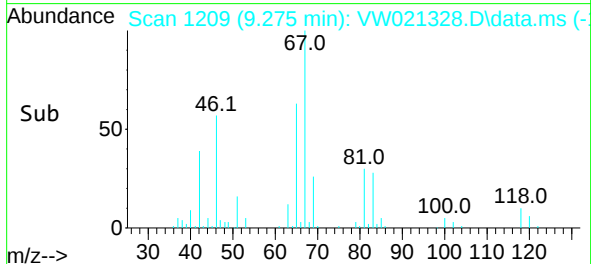
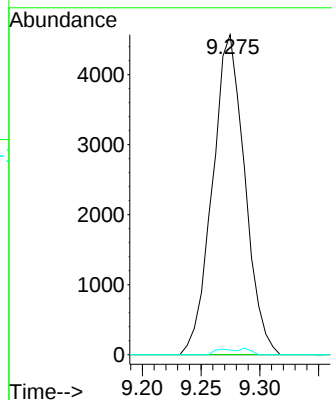
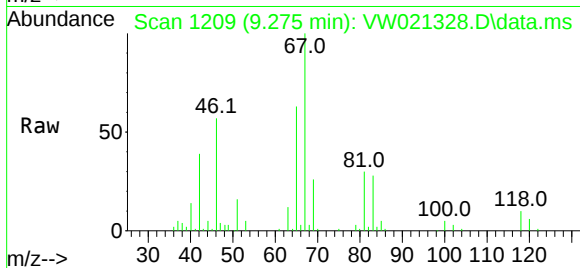




#35
Methylcyclohexane
Concen: 3.923 ug/L
RT: 9.275 min Scan# 11
Delta R.T. -0.061 min
Lab File: VW021328.D
Acq: 11 Dec 2021 15:41

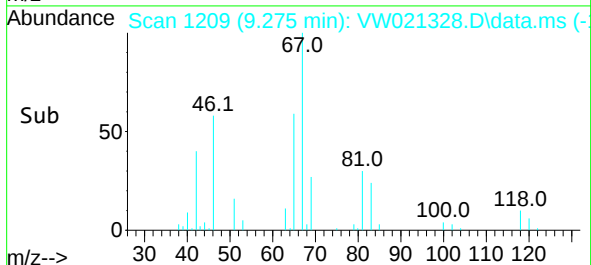
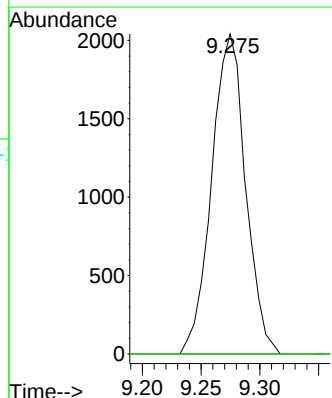
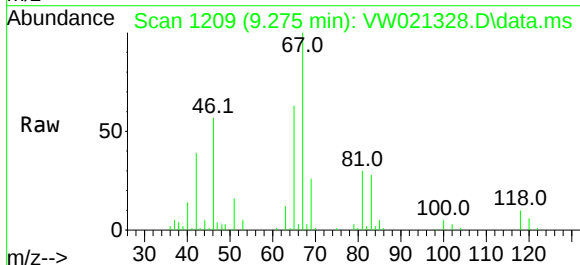
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MSVOA_W
ClientSampleId :

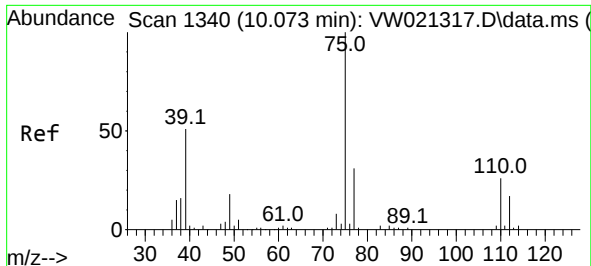
Tgt Ion: 83 Resp: 8754
Ion Ratio Lower Upper
83 100
55 0.0 70.8 106.2#
98 1.1 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 3.813 ug/L
RT: 9.275 min Scan# 1209
Delta R.T. -0.091 min
Lab File: VW021328.D
Acq: 11 Dec 2021 15:41

Tgt Ion: 63 Resp: 4099
Ion Ratio Lower Upper
63 100
112 2.1 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.790 ug/L

RT: 10.031 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW021328.D

Acq: 11 Dec 2021 15:41

Instrument :

MSVOA_W

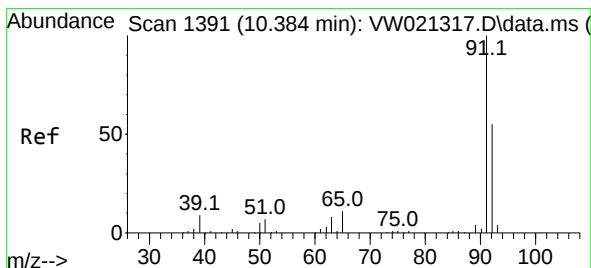
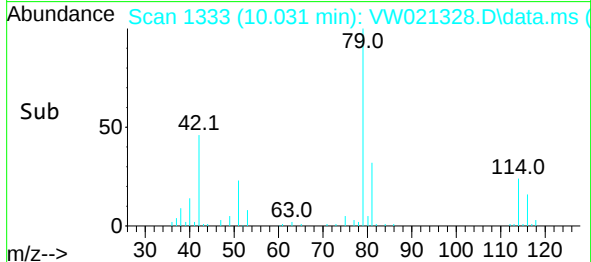
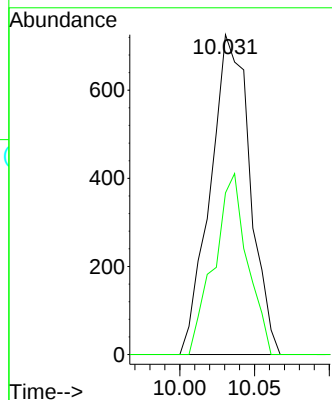
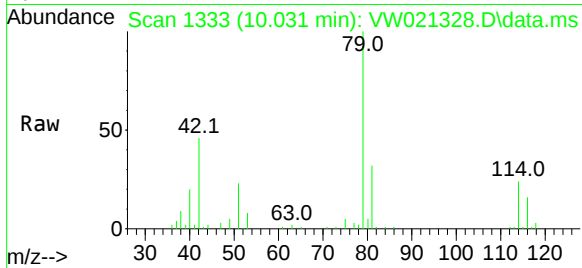
ClientSampleId :

Tgt Ion: 75 Resp: 1339

Ion Ratio Lower Upper

75 100

77 50.6 21.8 40.6#



#42

Toluene

Concen: 61.944 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VW021328.D

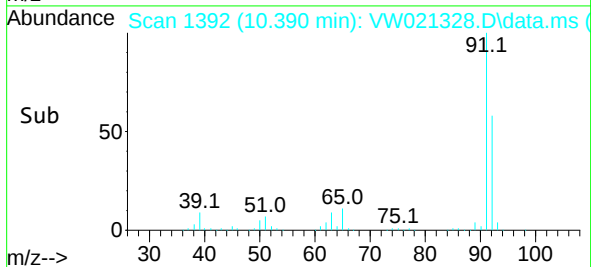
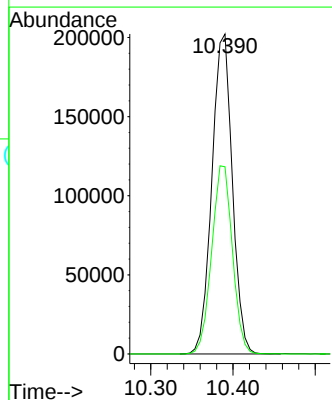
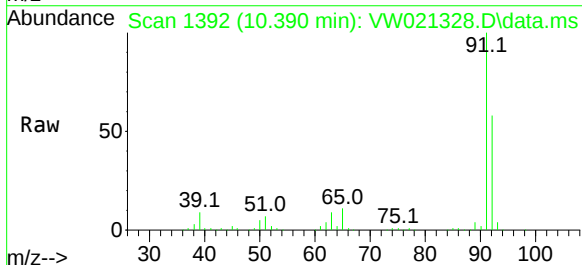
Acq: 11 Dec 2021 15:41

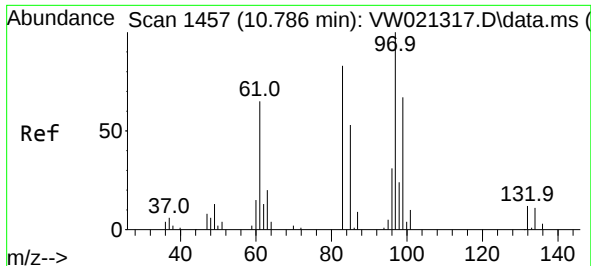
Tgt Ion: 91 Resp: 349122

Ion Ratio Lower Upper

91 100

92 58.5 41.7 77.5





#45

1,1,2-Trichloroethane

Concen: 5.792 ug/L

RT: 10.793 min Scan# 14

Delta R.T. 0.006 min

Lab File: VW021328.D

Acq: 11 Dec 2021 15:41

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 5096

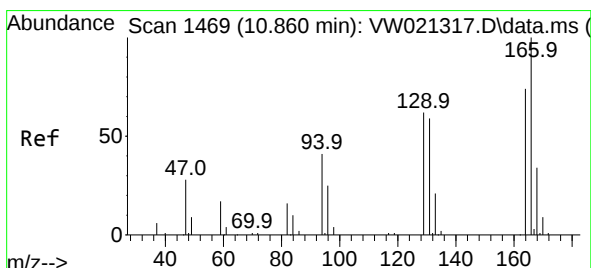
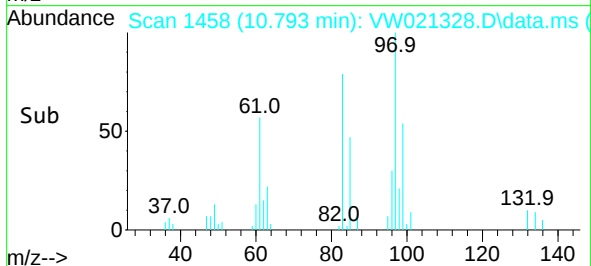
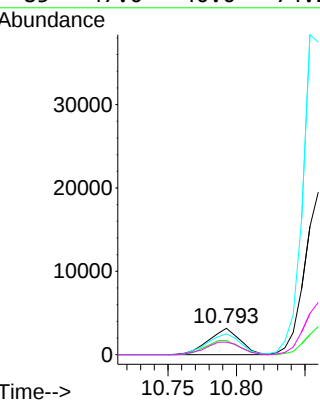
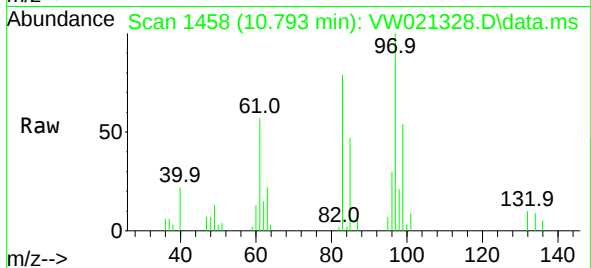
Ion Ratio Lower Upper

97 100

99 53.6 43.0 79.8

83 78.5 62.6 116.3

85 47.0 40.0 74.2



#46

Tetrachloroethene

Concen: 4151.898 ug/L

RT: 10.872 min Scan# 1471

Delta R.T. 0.012 min

Lab File: VW021328.D

Acq: 11 Dec 2021 15:41

Tgt Ion:164 Resp: 5335541

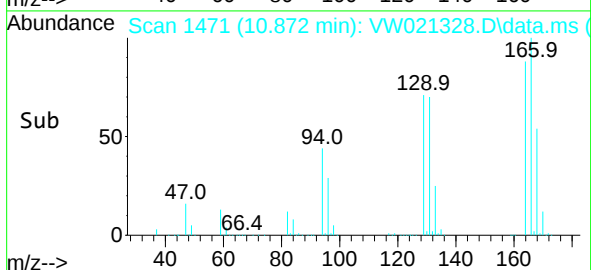
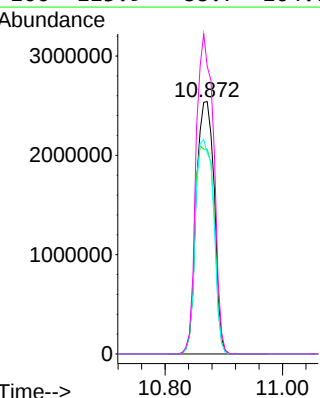
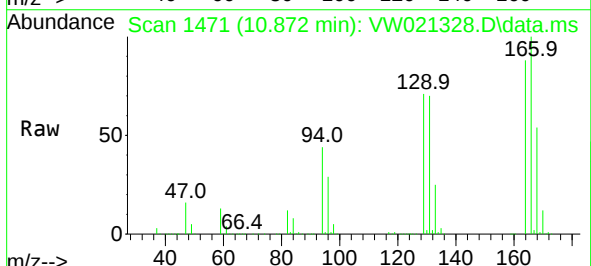
Ion Ratio Lower Upper

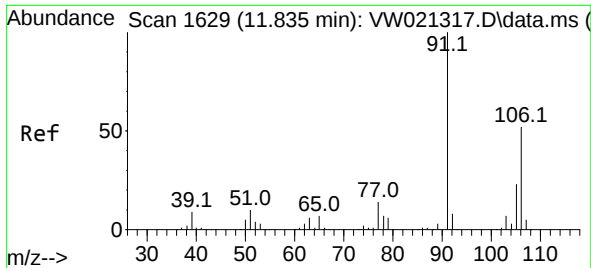
164 100

129 81.1 65.5 121.7

131 79.6 59.7 110.9

166 113.9 88.7 164.7

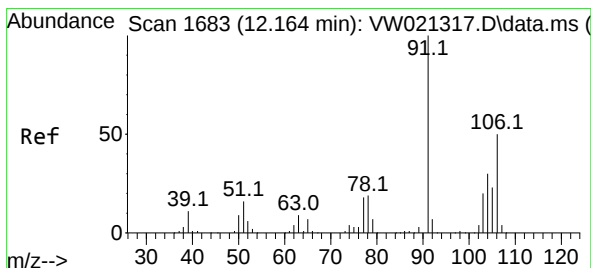
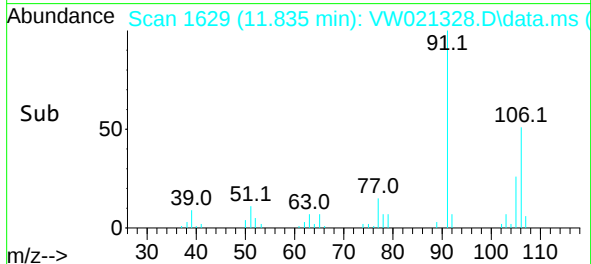
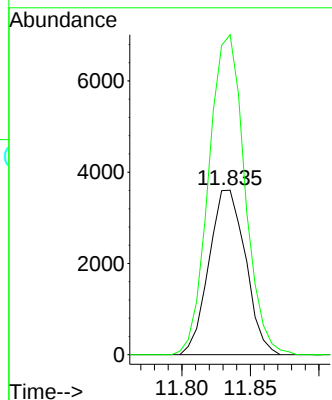
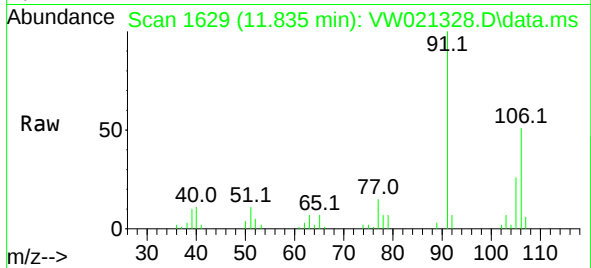




#53
m,p-Xylene
Concen: 2.578 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021328.D
Acq: 11 Dec 2021 15:41

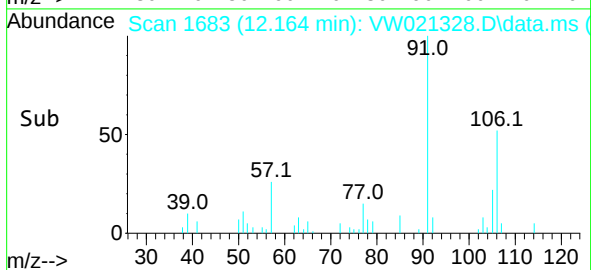
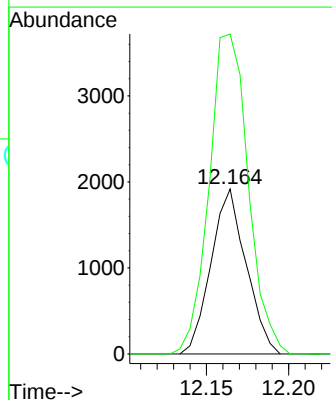
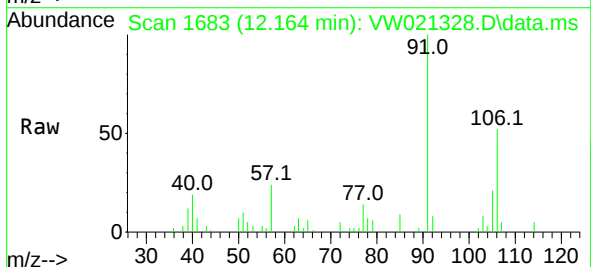
Instrument :
MSVOA_W
ClientSampleId :

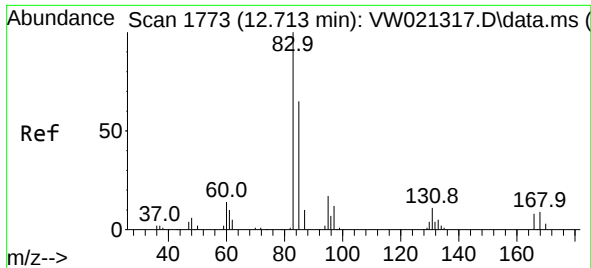
Tgt Ion:106 Resp: 6698
Ion Ratio Lower Upper
106 100
91 194.6 149.9 278.3



#54
o-Xylene
Concen: 1.155 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW021328.D
Acq: 11 Dec 2021 15:41

Tgt Ion:106 Resp: 2847
Ion Ratio Lower Upper
106 100
91 194.0 153.6 285.3





#57

1,1,2,2-Tetrachloroethane

Concen: 1.124 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021328.D

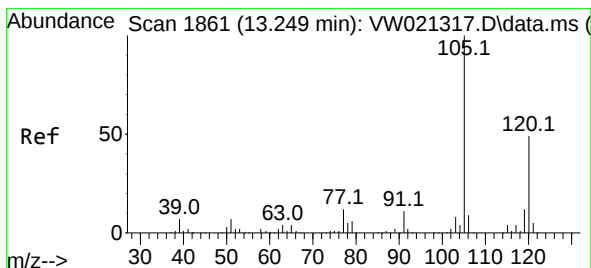
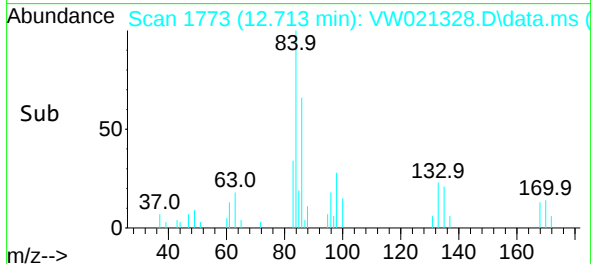
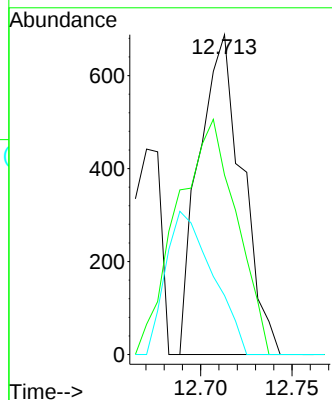
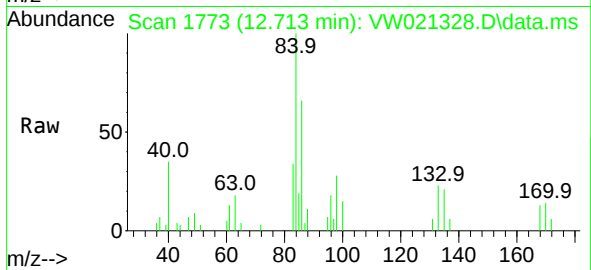
Acq: 11 Dec 2021 15:41

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp:	1134
Ion Ratio	Lower	Upper
83	100	
85	56.1	44.0 81.6
131	18.5	6.9 10.3#



#63

1,2,4-Trimethylbenzene

Concen: 0.919 ug/L

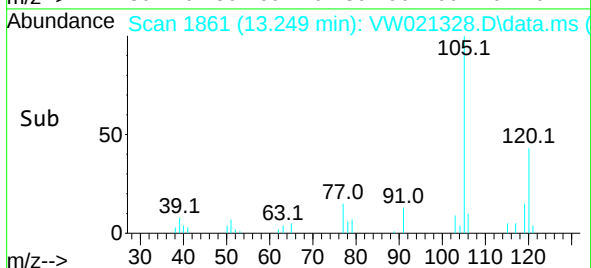
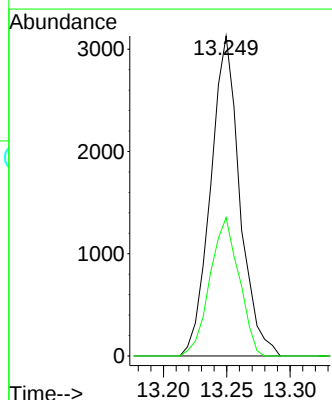
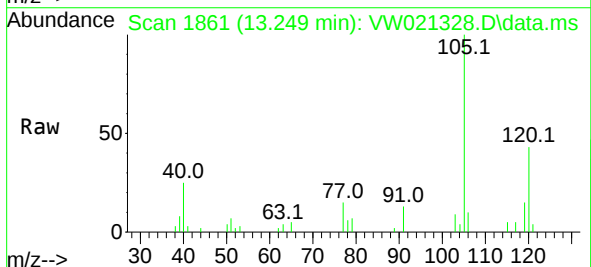
RT: 13.249 min Scan# 1861

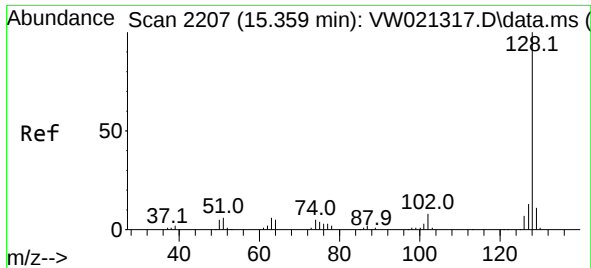
Delta R.T. 0.000 min

Lab File: VW021328.D

Acq: 11 Dec 2021 15:41

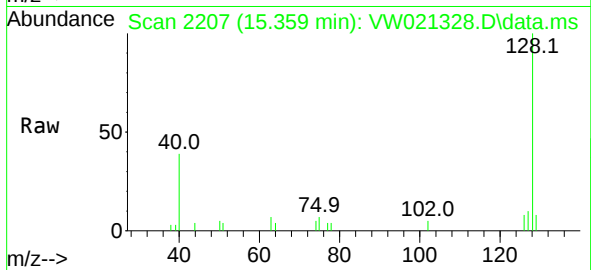
Tgt Ion: 105	Resp:	5021
Ion Ratio	Lower	Upper
105	100	
120	43.0	35.0 52.6





#71
Naphthalene
Concen: 1.097 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW021328.D
Acq: 11 Dec 2021 15:41

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	128	Resp:	3291
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.4	8.6	12.8

