

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
 Data File : VW021004.D
 Acq On : 01 Dec 2021 16:10
 Operator : SY/VA
 Sample : M4868-10
 Misc : 7.36g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 01:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 01:54:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	140769	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	122572	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	69158	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	25285	15.485	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.960%
7) Chloroethane-d5	2.885	69	18716	17.772	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.080%
11) 1,1-Dichloroethene-d2	4.013	63	34653	10.969	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.880%#
21) 2-Butanone-d5	7.080	46	16747	41.091	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.180%
24) Chloroform-d	7.647	84	63793	17.985	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	71.960%
26) 1,2-Dichloroethane-d4	8.305	65	33607	18.667	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.680%
32) Benzene-d6	8.275	84	117956	18.259	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.040%
36) 1,2-Dichloropropane-d6	9.274	67	34819	18.928	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	75.720%
41) Toluene-d8	10.323	98	114203	17.811	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.240%
43) trans-1,3-Dichloroprop...	10.579	79	15221	17.505	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.040%
47) 2-Hexanone-d5	10.920	63	13558	44.438	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.880%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	30455	21.611	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.440%
66) 1,2-Dichlorobenzene-d4	13.853	152	46913	19.032	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.120%
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.361	62	21450	10.012	ug/L	95
13) Acetone	4.129	43	175082	481.154	ug/L	92
19) 1,1-Dichloroethane	6.220	63	2450	0.778	ug/L	# 89
20) cis-1,2-Dichloroethene	7.171	96	87971	42.939	ug/L	74
22) 2-Butanone	7.171	43	40732	82.389	ug/L	86
27) 1,2-Dichloroethane	8.396	62	14138	6.782	ug/L	96
30) 1,1,1-Trichloroethane	7.878	97	3037	1.030	ug/L	93
33) Benzene	8.323	78	121514	17.509	ug/L	100
34) Trichloroethene	9.091	95	105831	54.519	ug/L	87
39) cis-1,3-Dichloropropene	10.036	75	1329	0.498	ug/L	# 57
40) 4-Methyl-2-pentanone	10.207	43	20115	20.924	ug/L	# 94
42) Toluene	10.384	91	165891	21.251	ug/L	99
46) Tetrachloroethene	10.866	164	4678	2.625	ug/L	95
48) 2-Hexanone	10.969	43	2038	3.061	ug/L	# 91
49) Dibromochloromethane	10.866	129	4272	2.467	ug/L	# 10
51) Chlorobenzene	11.658	112	5044	0.972	ug/L	# 86
52) Ethylbenzene	11.731	91	83640	9.669	ug/L	99
53) m,p-Xylene	11.835	106	126885	35.929	ug/L	88
54) o-Xylene	12.164	106	43840	12.926	ug/L	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
 Data File : VW021004.D
 Acq On : 01 Dec 2021 16:10
 Operator : SY/VA
 Sample : M4868-10
 Misc : 7.36g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 01:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 01:54:41 2021
 Response via : Initial Calibration

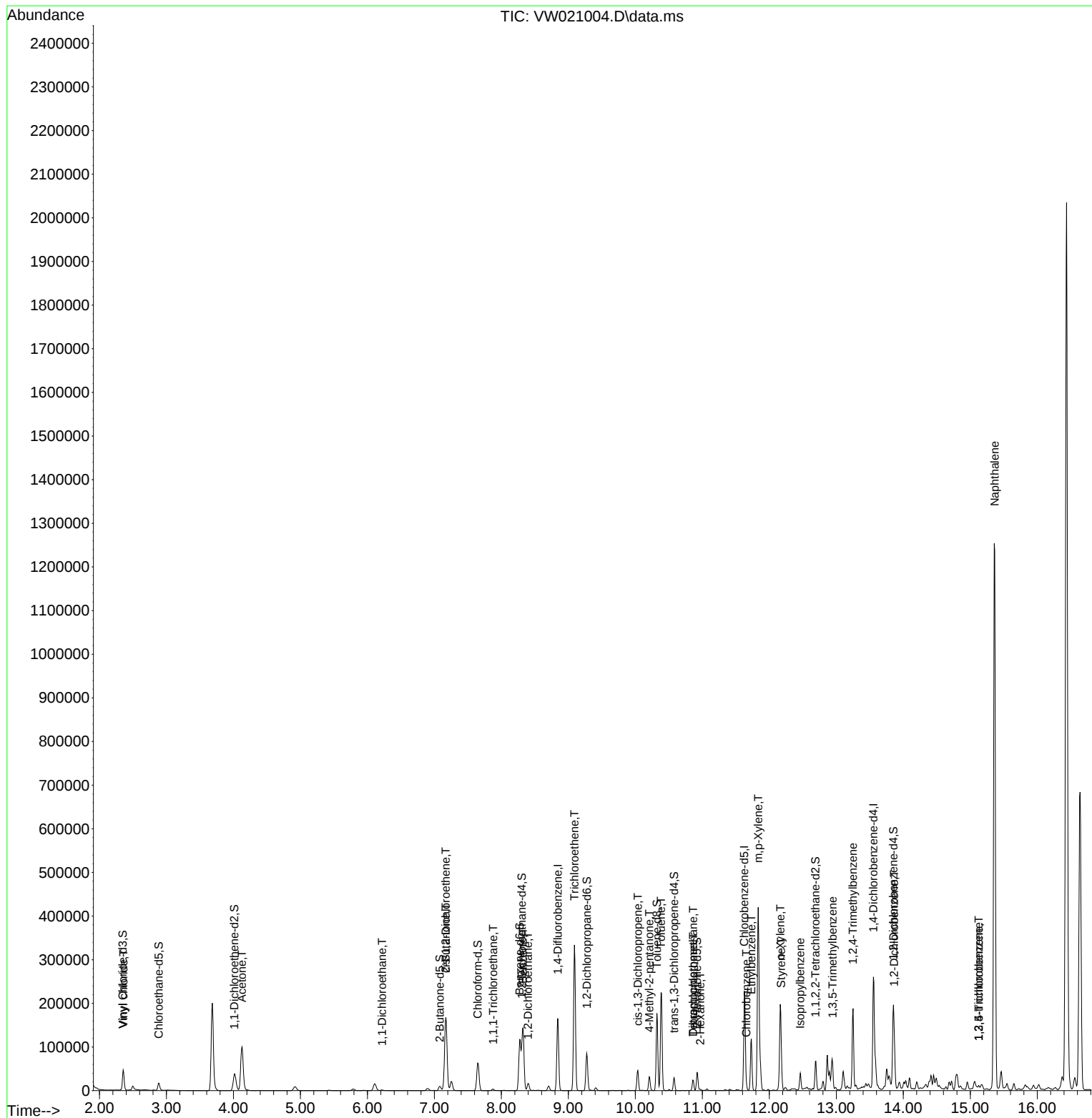
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	12.176	104	24404	4.333	ug/L	90
60) Isopropylbenzene	12.463	105	24009	2.549	ug/L	95
62) 1,3,5-Trimethylbenzene	12.944	105	27723	3.489	ug/L	92
63) 1,2,4-Trimethylbenzene	13.249	105	101378	12.931	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	9412	2.419	ug/L	96
69) 1,3,5-Trichlorobenzene	15.127	180	2251	0.644	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	2251	0.787	ug/L	97
71) Naphthalene	15.365	128	1099063	235.712	ug/L	99

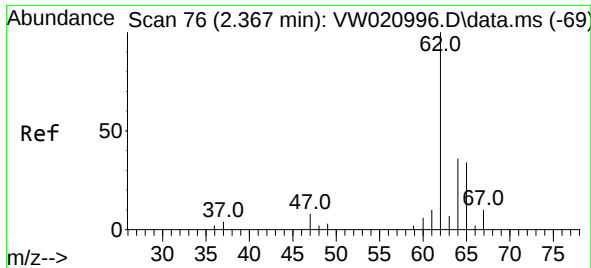
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021004.D
Acq On : 01 Dec 2021 16:10
Operator : SY/VA
Sample : M4868-10
Misc : 7.36g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

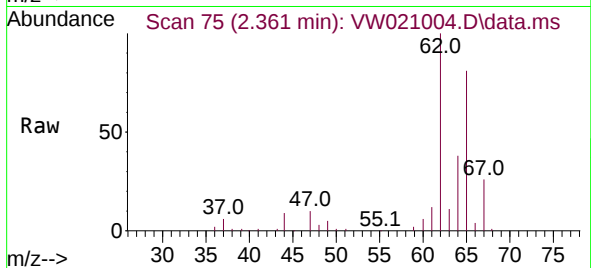
Quant Time: Dec 02 01:58:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 02 01:54:41 2021
Response via : Initial Calibration



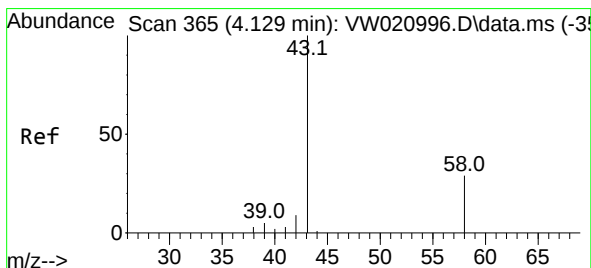
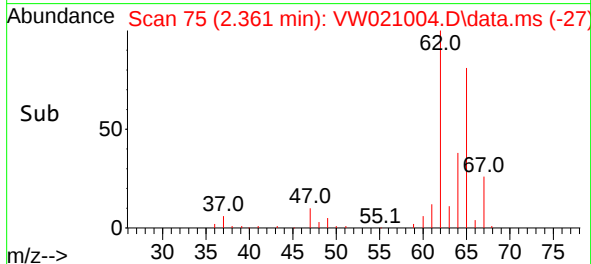
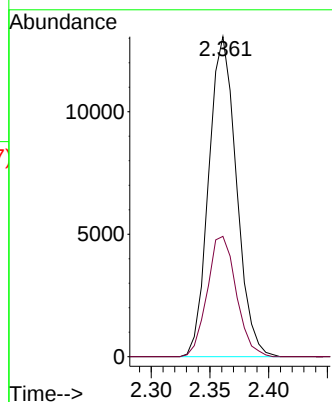


#5
 Vinyl chloride
 Concen: 10.012 ug/L
 RT: 2.361 min Scan# 76
 Delta R.T. -0.006 min
 Lab File: VW021004.D
 Acq: 01 Dec 2021 16:10

Instrument :
 MSVOA_W
 ClientSampleId :

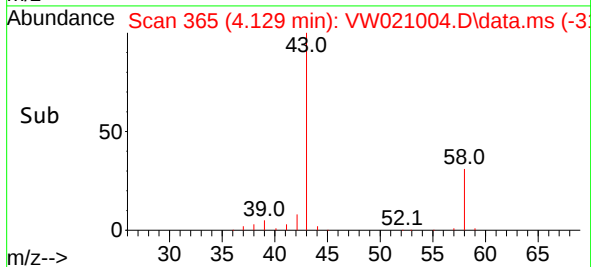
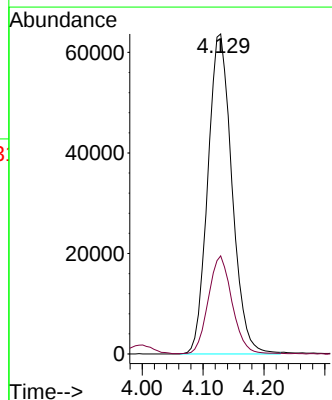
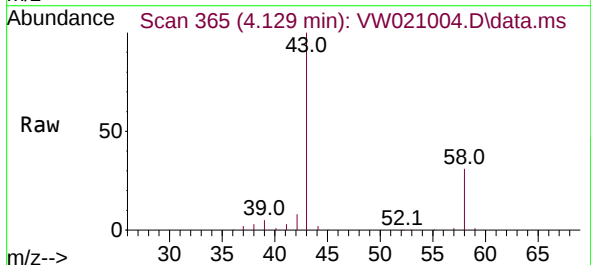


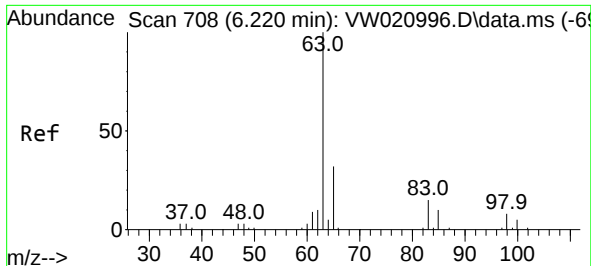
Tgt Ion: 62 Resp: 21450
 Ion Ratio Lower Upper
 62 100
 64 37.6 24.4 45.2



#13
 Acetone
 Concen: 481.154 ug/L
 RT: 4.129 min Scan# 365
 Delta R.T. 0.000 min
 Lab File: VW021004.D
 Acq: 01 Dec 2021 16:10

Tgt Ion: 43 Resp: 175082
 Ion Ratio Lower Upper
 43 100
 58 30.3 0.0 52.8





#19

1,1-Dichloroethane

Concen: 0.778 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW021004.D

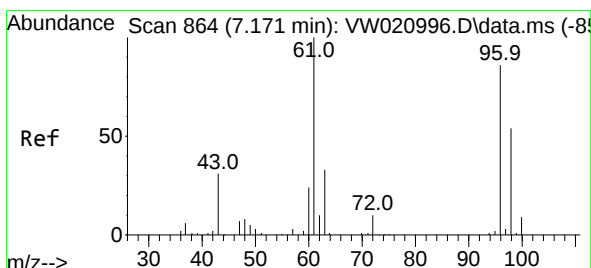
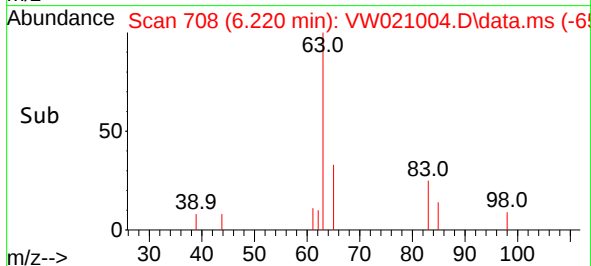
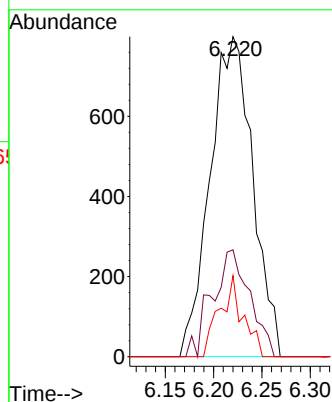
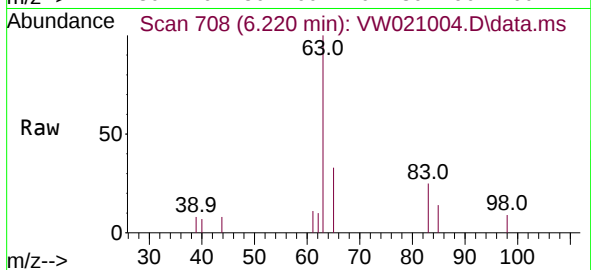
Acq: 01 Dec 2021 16:10

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	63	Resp:	2450
Ion	Ratio	Lower	Upper
63	100		
65	33.4	22.1	41.1
83	25.3	9.2	17.2#



#20

cis-1,2-Dichloroethene

Concen: 42.939 ug/L

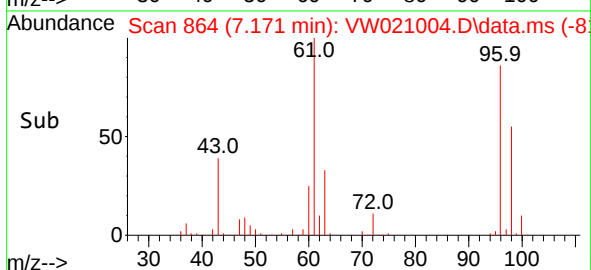
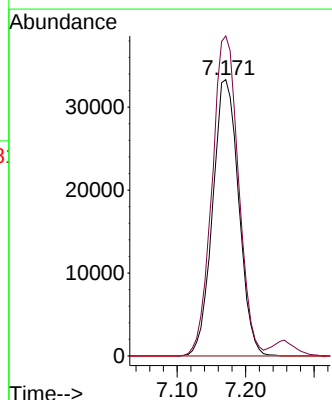
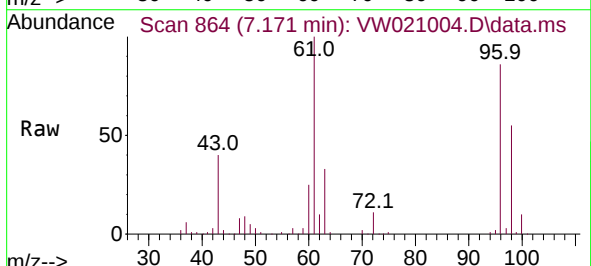
RT: 7.171 min Scan# 864

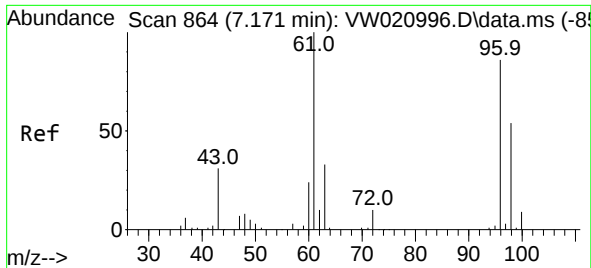
Delta R.T. 0.000 min

Lab File: VW021004.D

Acq: 01 Dec 2021 16:10

Tgt Ion:	96	Resp:	87971
Ion	Ratio	Lower	Upper
96	100		
61	115.8	103.7	192.7
68	0.0	0.0	0.0

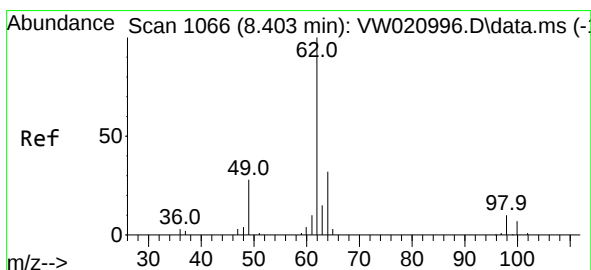
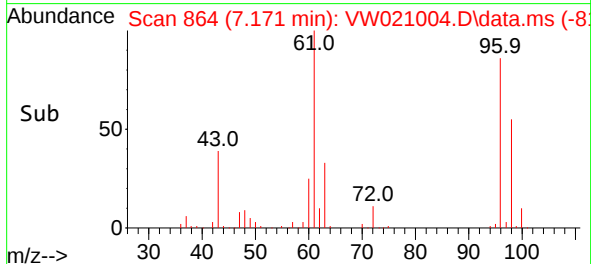
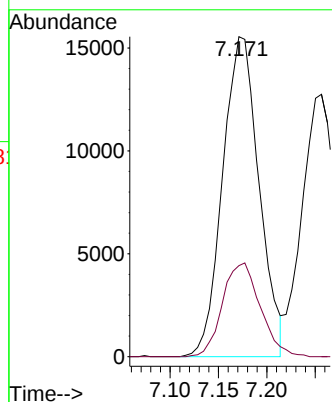
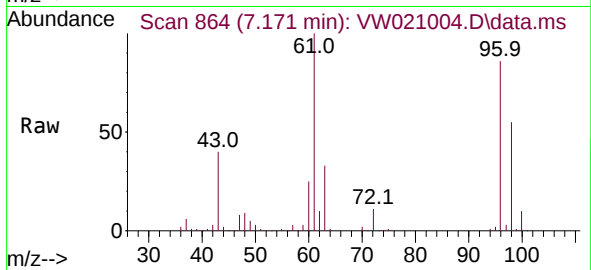




#22
2-Butanone
Concen: 82.389 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

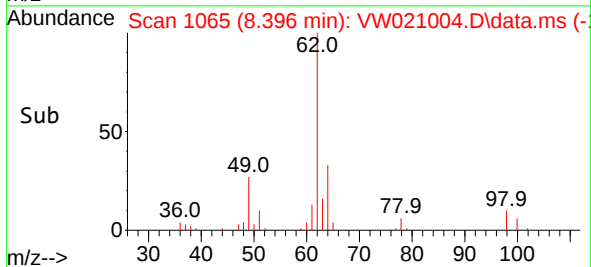
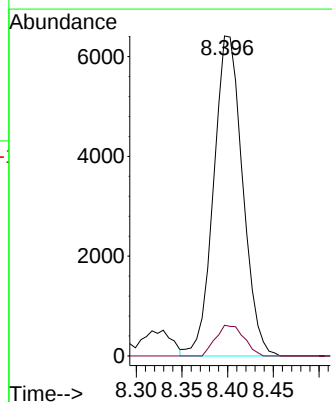
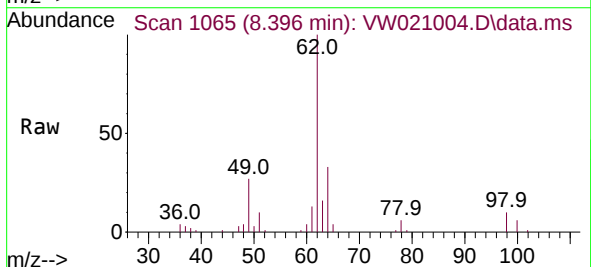
Instrument :
MSVOA_W
ClientSampleId :

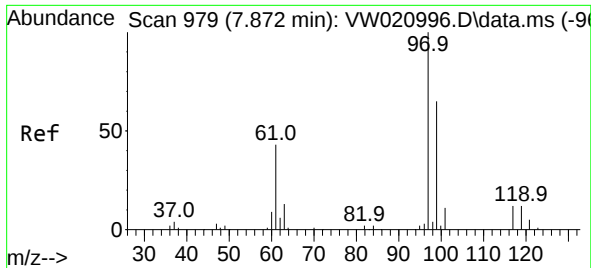
Tgt Ion: 43 Resp: 40732
Ion Ratio Lower Upper
43 100
72 30.3 11.8 35.4



#27
1,2-Dichloroethane
Concen: 6.782 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion: 62 Resp: 14138
Ion Ratio Lower Upper
62 100
98 9.6 6.5 9.7

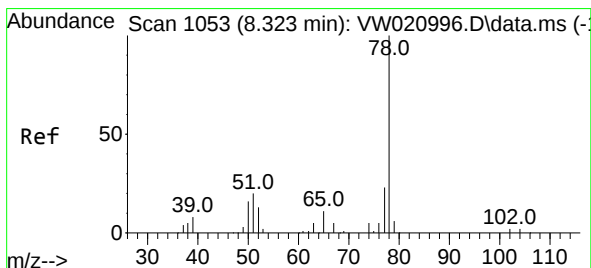
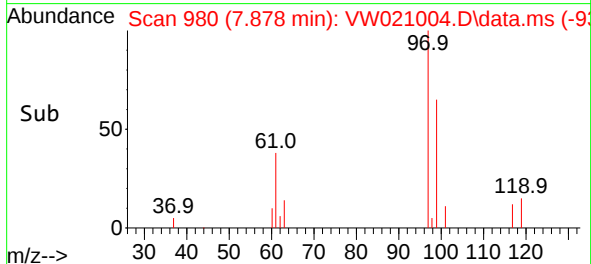
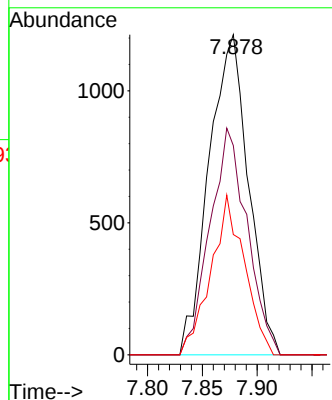
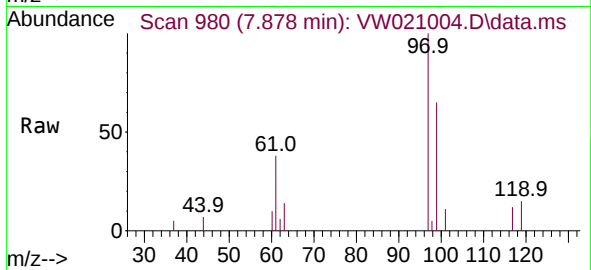




#30
1,1,1-Trichloroethane
Concen: 1.030 ug/L
RT: 7.878 min Scan# 979
Delta R.T. 0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

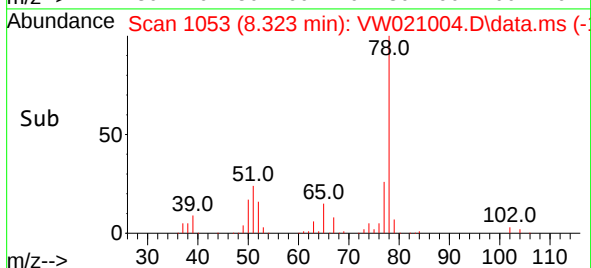
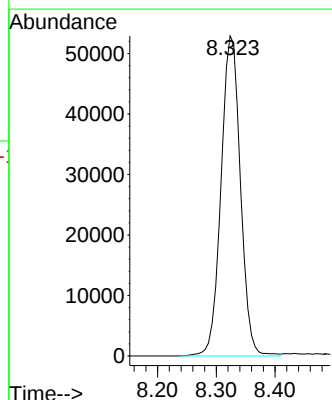
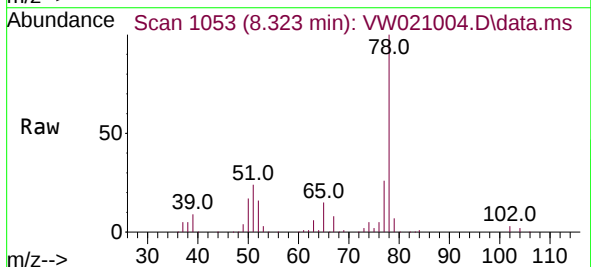
Instrument :
MSVOA_W
ClientSampleId :

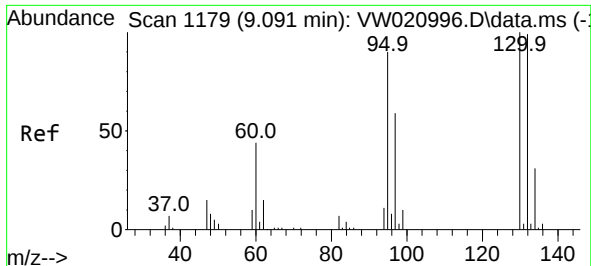
Tgt Ion: 97 Resp: 3037
Ion Ratio Lower Upper
97 100
99 66.9 51.6 77.4
61 42.4 40.9 61.3



#33
Benzene
Concen: 17.509 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

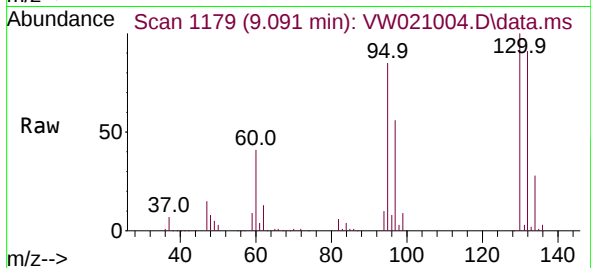
Tgt Ion: 78 Resp: 121514





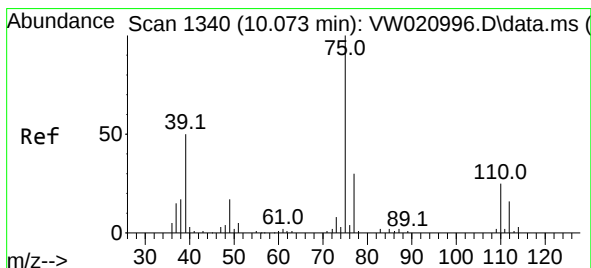
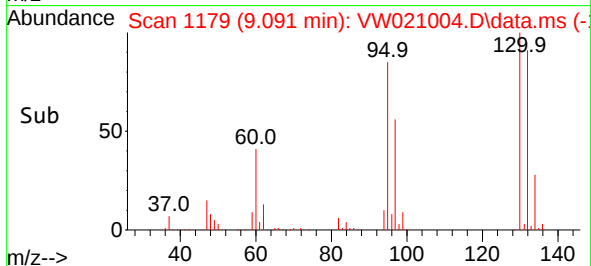
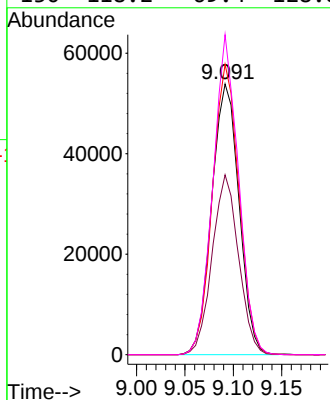
#34
Trichloroethene
Concen: 54.519 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 95 Resp: 105831

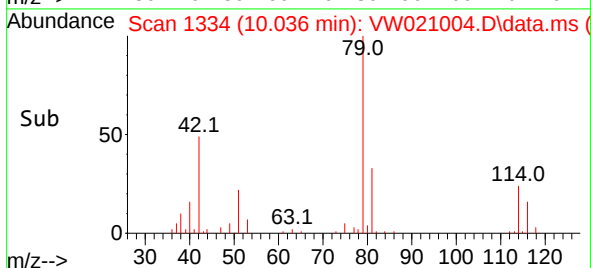
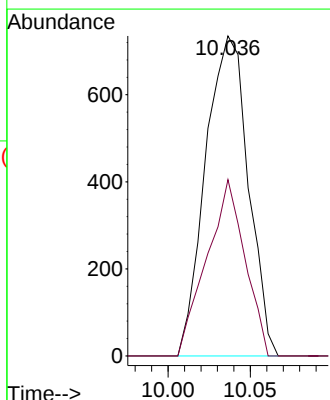
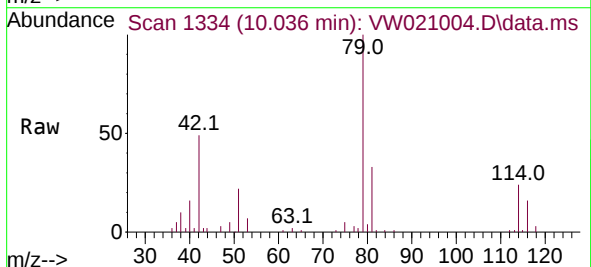
Ion	Ratio	Lower	Upper
95	100		
97	66.5	47.0	87.2
132	107.3	65.5	121.6
130	118.2	69.4	128.8

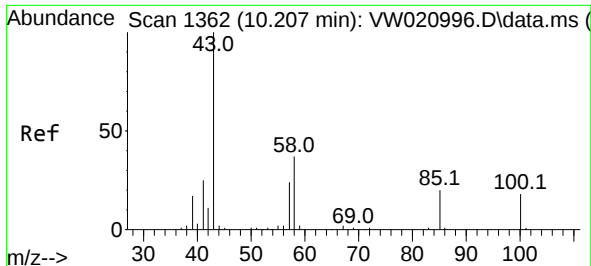


#39
cis-1,3-Dichloropropene
Concen: 0.498 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion: 75 Resp: 1329

Ion	Ratio	Lower	Upper
75	100		
77	55.1	21.8	40.6#





#40

4-Methyl-2-pentanone

Concen: 20.924 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW021004.D

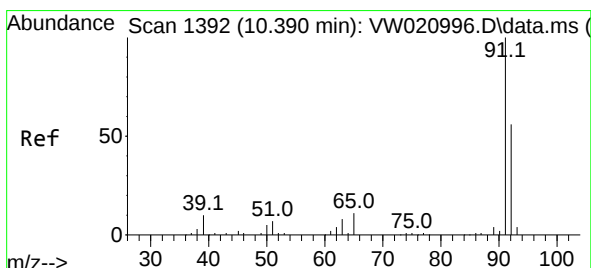
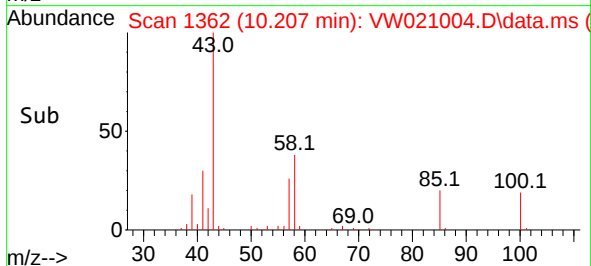
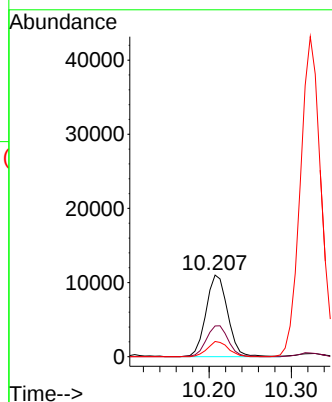
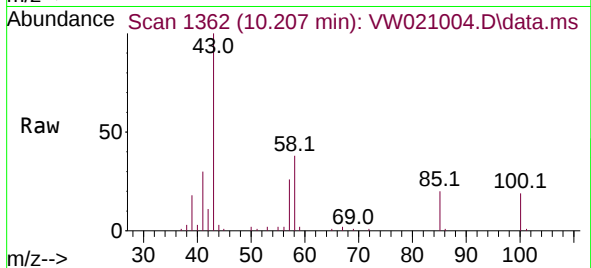
Acq: 01 Dec 2021 16:10

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	43	Resp:	20115
Ion Ratio	Lower	Upper	
43	100		
58	38.1	28.8	43.2
100	17.9	10.0	15.0



#42

Toluene

Concen: 21.251 ug/L

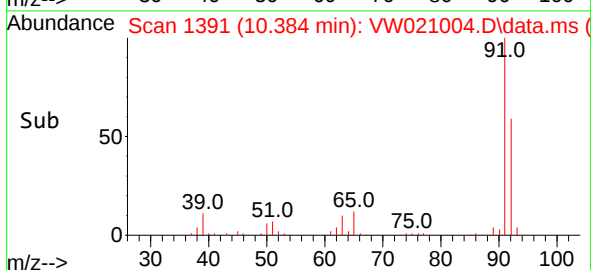
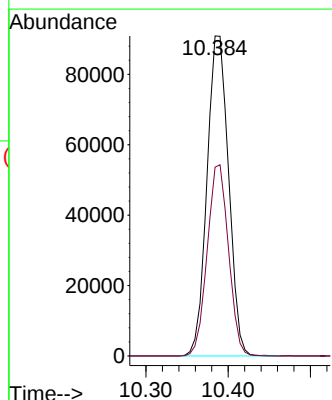
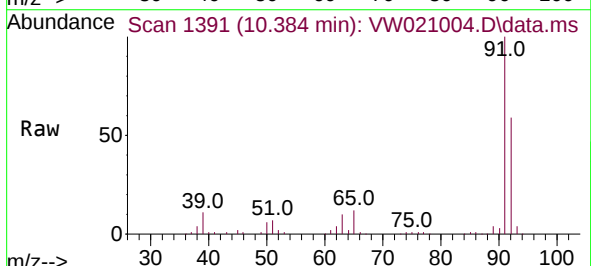
RT: 10.384 min Scan# 1391

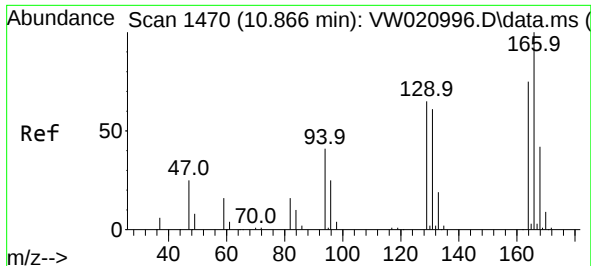
Delta R.T. -0.006 min

Lab File: VW021004.D

Acq: 01 Dec 2021 16:10

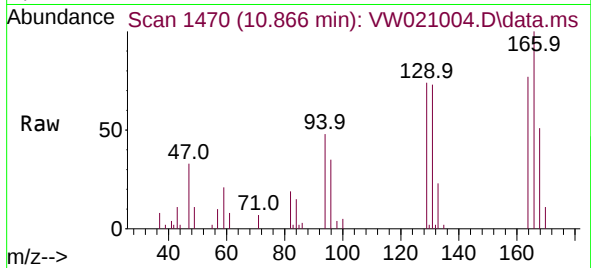
Tgt Ion:	91	Resp:	165891
Ion Ratio	Lower	Upper	
91	100		
92	59.0	41.7	77.5



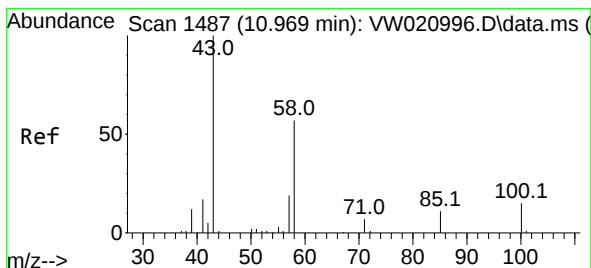
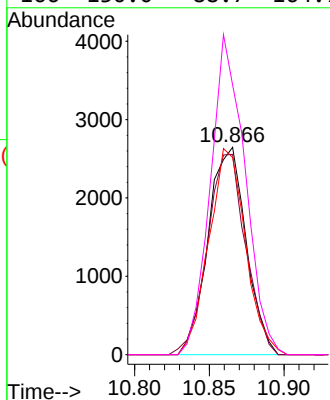
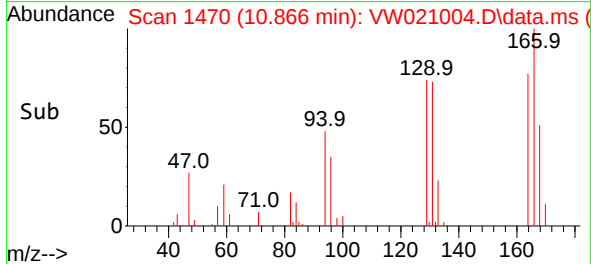


#46
Tetrachloroethene
Concen: 2.625 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

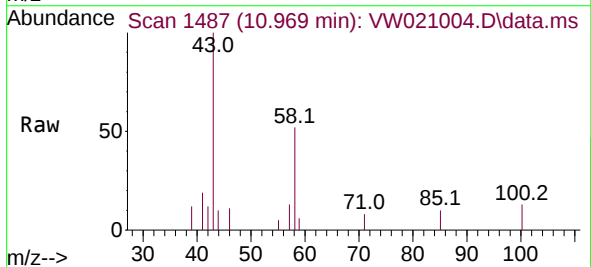
Instrument :
MSVOA_W
ClientSampleId :



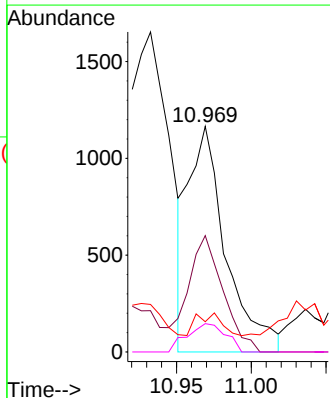
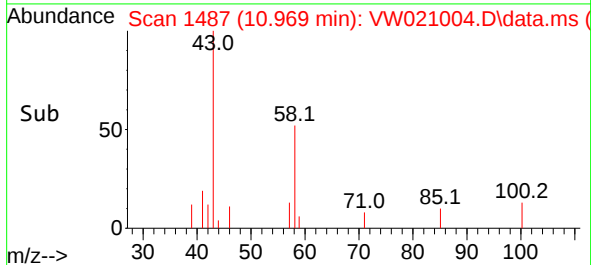
Tgt Ion:164 Resp: 4678
Ion Ratio Lower Upper
164 100
129 96.6 65.5 121.7
131 95.1 59.7 110.9
166 130.0 88.7 164.7

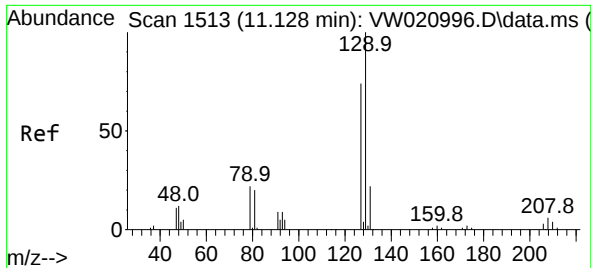


#48
2-Hexanone
Concen: 3.061 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10



Tgt Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
58 47.8 40.2 60.2
57 6.9 14.3 21.5#
100 12.9 8.0 12.0#





#49

Dibromochloromethane

Concen: 2.467 ug/L

RT: 10.866 min Scan# 14

Delta R.T. -0.262 min

Lab File: VW021004.D

Acq: 01 Dec 2021 16:10

Instrument :

MSVOA_W

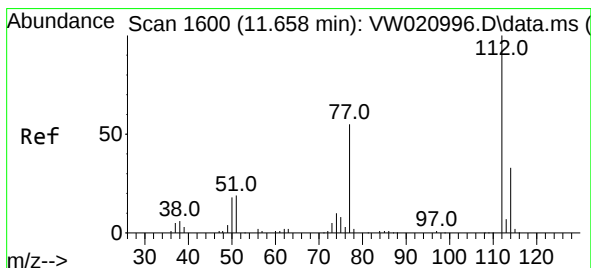
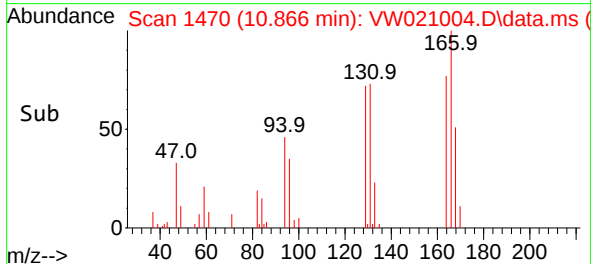
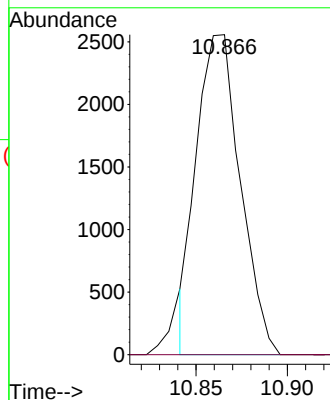
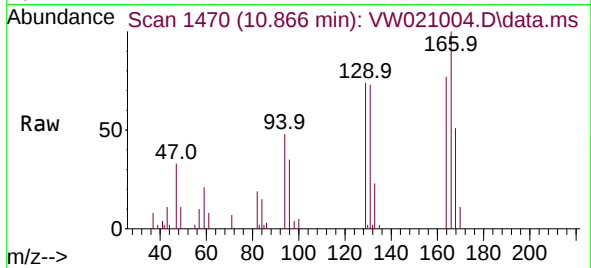
ClientSampleId :

Tgt Ion:129 Resp: 4272

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#51

Chlorobenzene

Concen: 0.972 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW021004.D

Acq: 01 Dec 2021 16:10

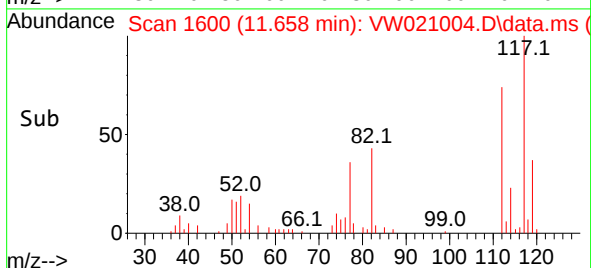
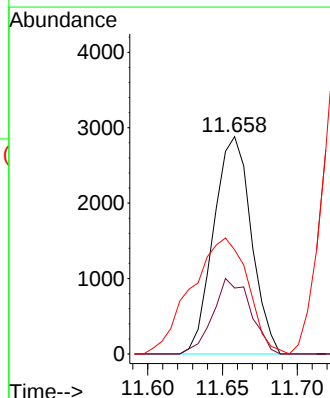
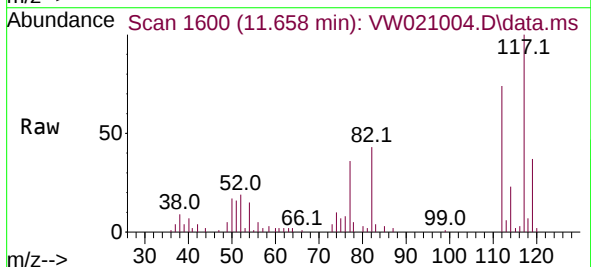
Tgt Ion:112 Resp: 5044

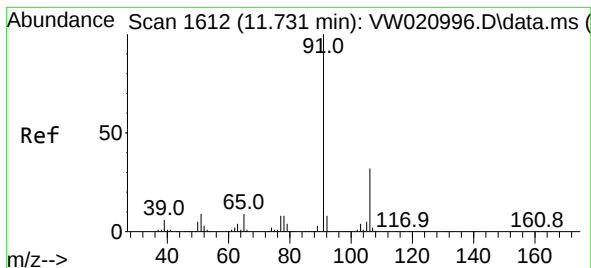
Ion Ratio Lower Upper

112 100

114 30.3 22.4 41.6

77 48.0 50.2 75.4#

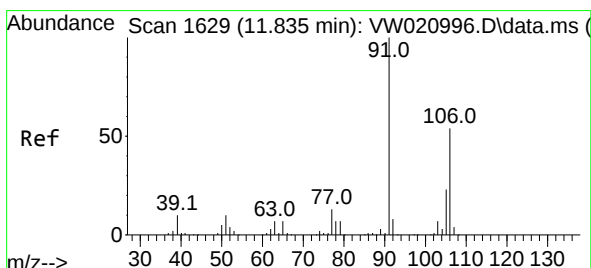
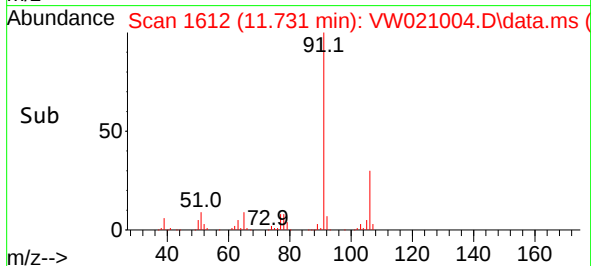
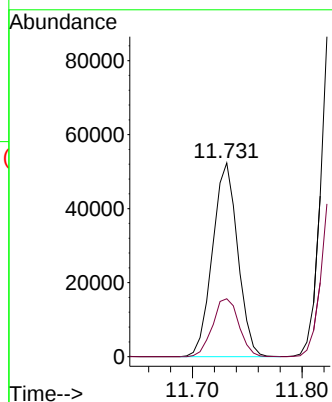
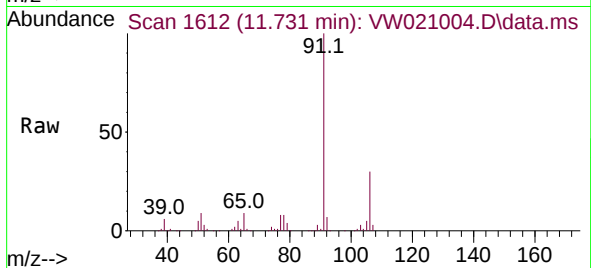




#52
Ethylbenzene
Concen: 9.669 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

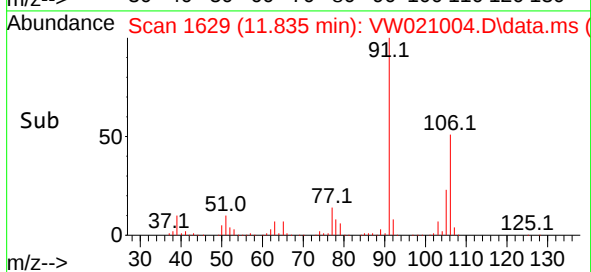
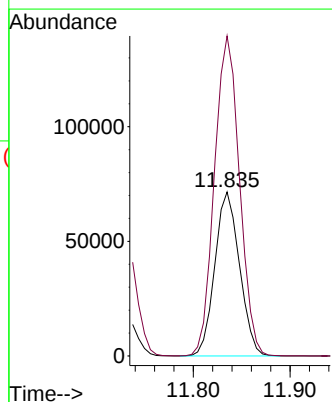
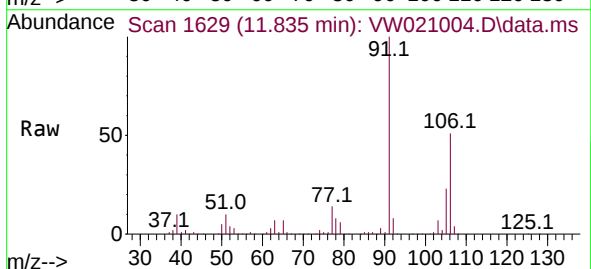
Instrument :
MSVOA_W
ClientSampleId :

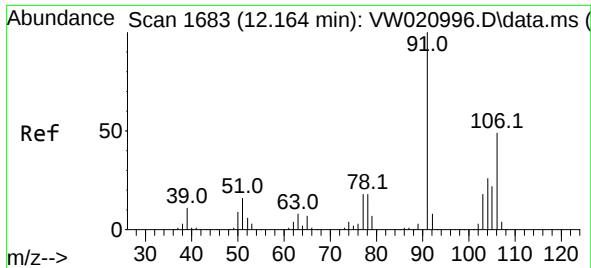
Tgt Ion: 91 Resp: 83640
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9



#53
m,p-Xylene
Concen: 35.929 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion: 106 Resp: 126885
Ion Ratio Lower Upper
106 100
91 195.1 149.9 278.3

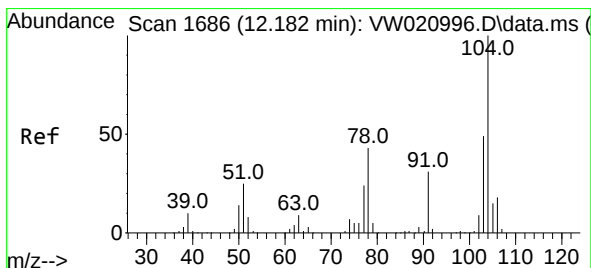
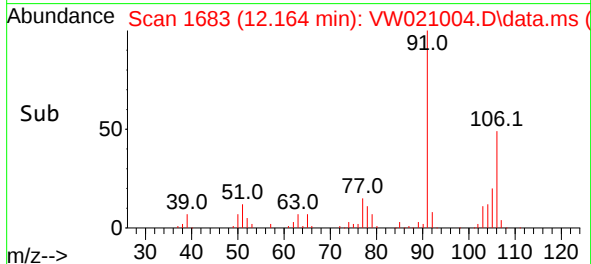
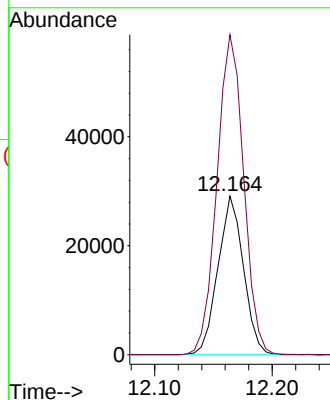
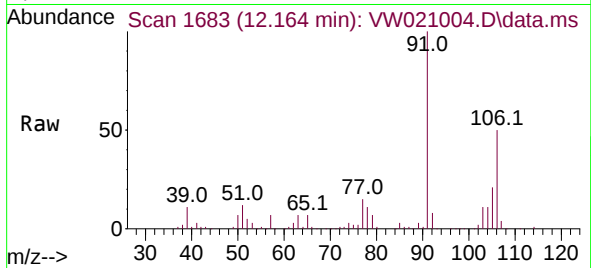




#54
o-Xylene
Concen: 12.926 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

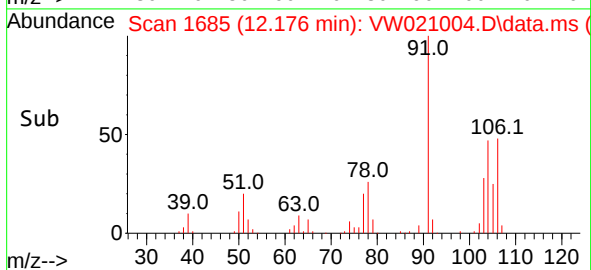
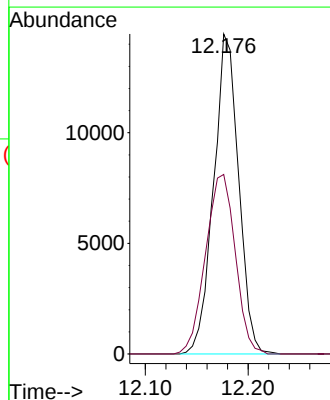
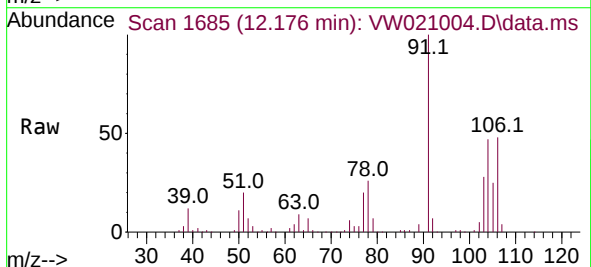
Instrument :
MSVOA_W
ClientSampleId :

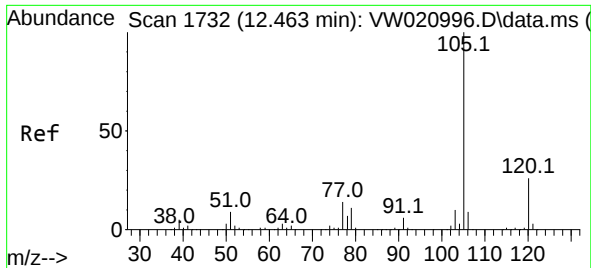
Tgt Ion:106 Resp: 43840
Ion Ratio Lower Upper
106 100
91 201.9 153.6 285.3



#55
Styrene
Concen: 4.333 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion:104 Resp: 24404
Ion Ratio Lower Upper
104 100
78 56.1 34.4 64.0

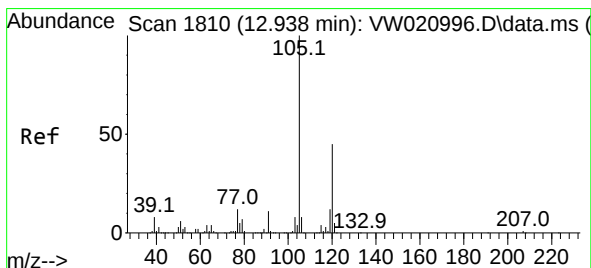
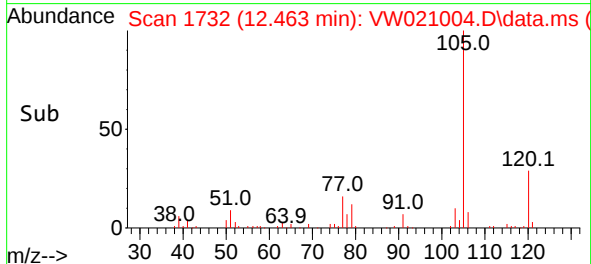
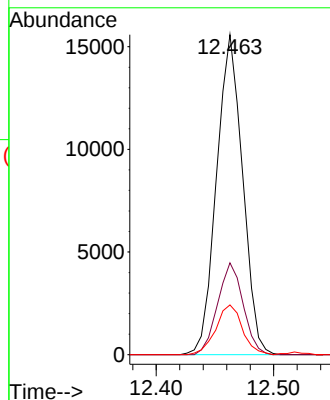
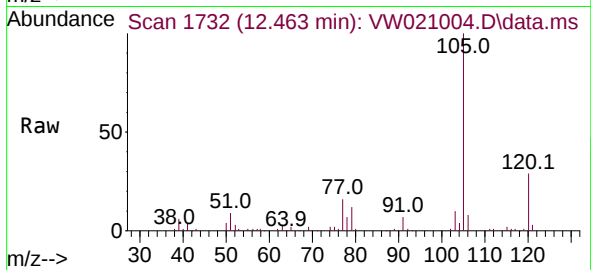




#60
Isopropylbenzene
Concen: 2.549 ug/L
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

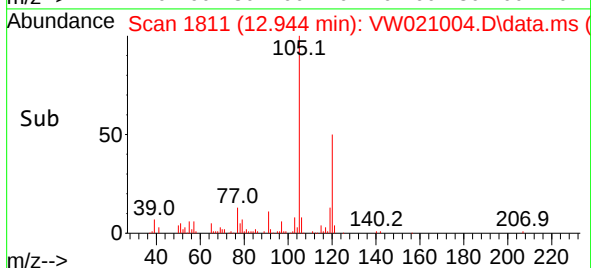
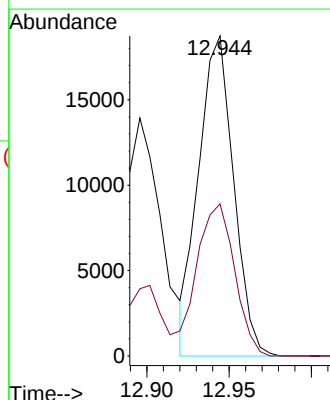
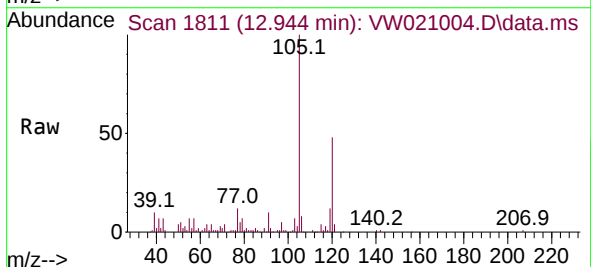
Instrument :
MSVOA_W
ClientSampleId :

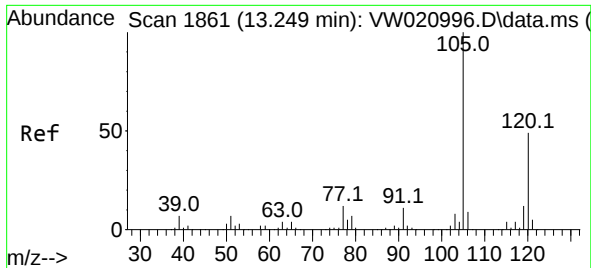
Tgt Ion:105 Resp: 24009
Ion Ratio Lower Upper
105 100
120 28.1 20.1 30.1
77 15.8 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 3.489 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Tgt Ion:105 Resp: 27723
Ion Ratio Lower Upper
105 100
120 52.2 37.4 56.2

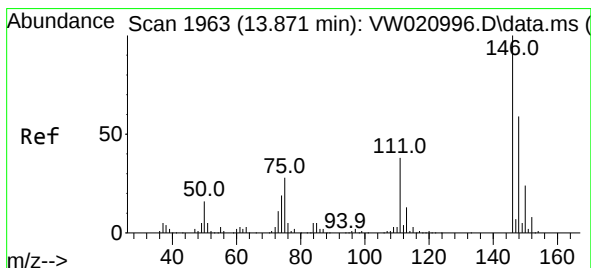
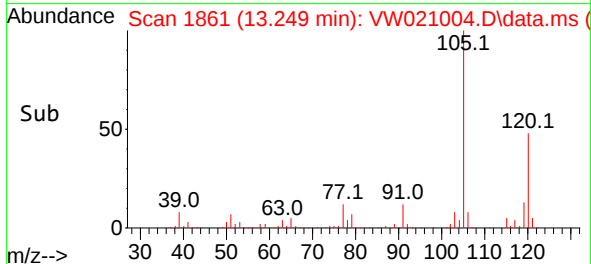
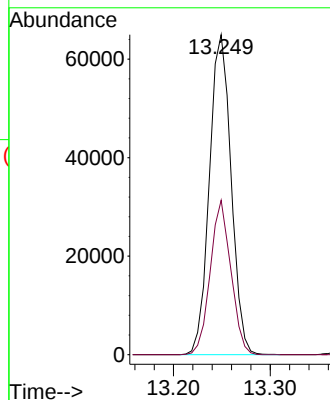
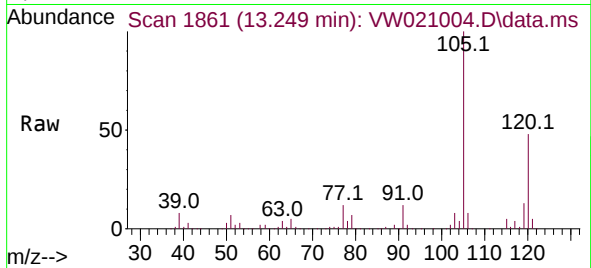




#63
1,2,4-Trimethylbenzene
Concen: 12.931 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

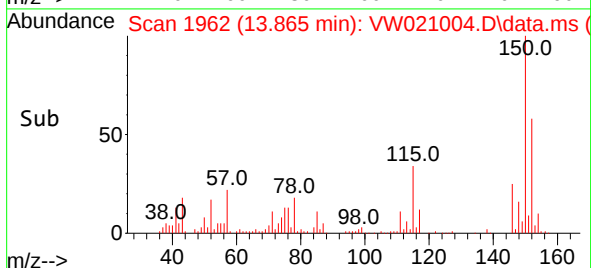
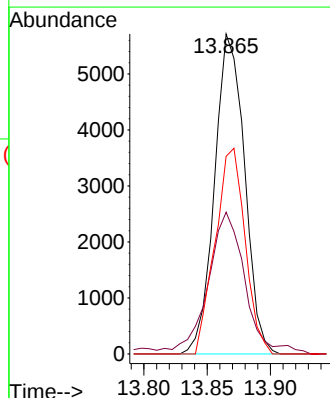
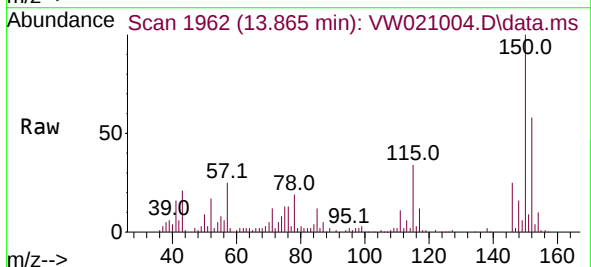
Instrument :
MSVOA_W
ClientSampleId :

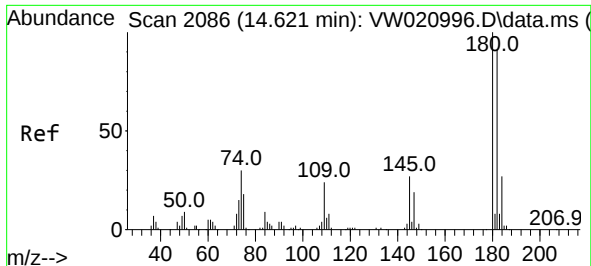
Tgt Ion:105 Resp: 101378
Ion Ratio Lower Upper
105 100
120 45.8 35.0 52.6



#67
1,2-Dichlorobenzene
Concen: 2.419 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

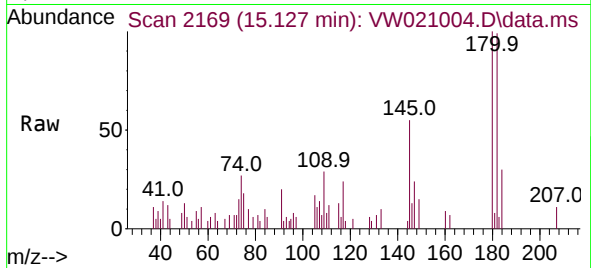
Tgt Ion:146 Resp: 9412
Ion Ratio Lower Upper
146 100
111 44.3 33.1 49.7
148 61.8 47.4 71.2



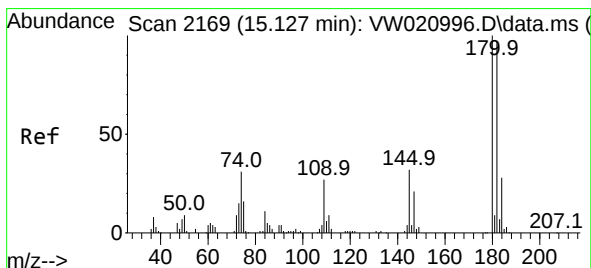
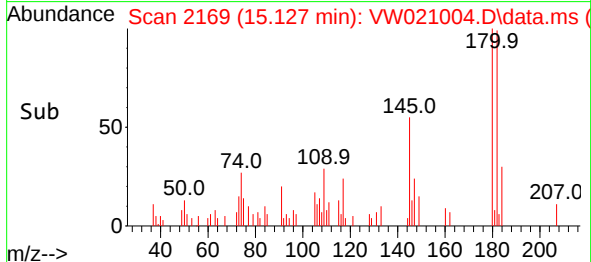
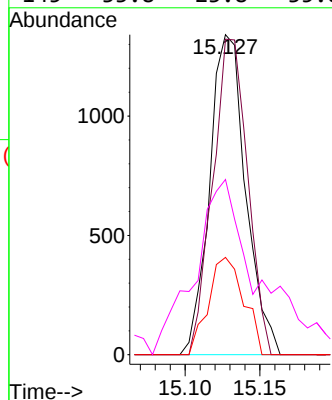


#69
 1,3,5-Trichlorobenzene
 Concen: 0.644 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. 0.506 min
 Lab File: VW021004.D
 Acq: 01 Dec 2021 16:10

Instrument :
 MSVOA_W
 ClientSampleId :

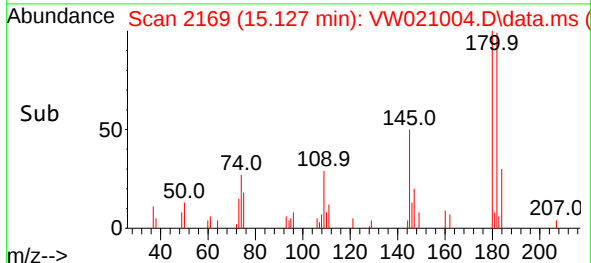
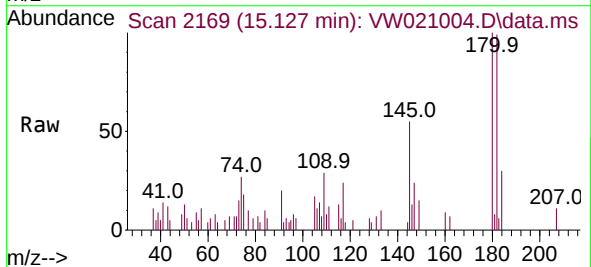
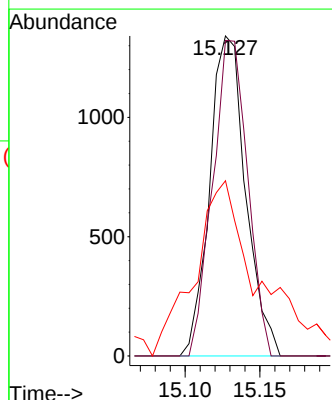


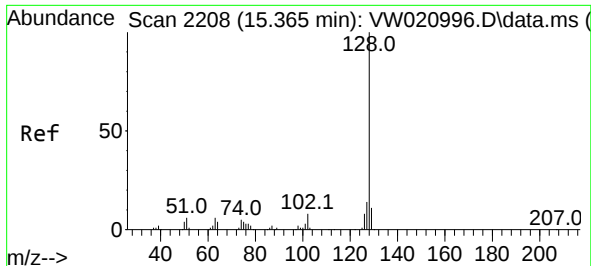
Tgt Ion:180 Resp: 2251
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.4 113.0
 184 29.8 23.8 35.8
 145 33.8 23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 0.787 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. -0.000 min
 Lab File: VW021004.D
 Acq: 01 Dec 2021 16:10

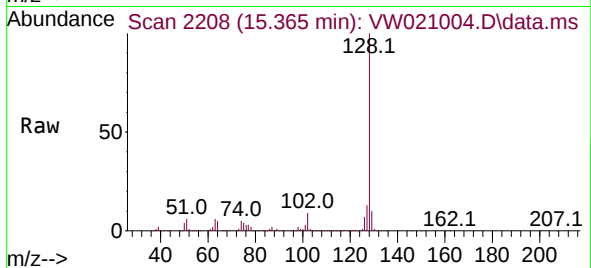
Tgt Ion:180 Resp: 2251
 Ion Ratio Lower Upper
 180 100
 182 95.3 79.0 118.6
 145 33.8 26.0 39.0





#71
Naphthalene
Concen: 235.712 ug/L
RT: 15.365 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW021004.D
Acq: 01 Dec 2021 16:10

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 1099063
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.0 8.6 12.8

