

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
 Data File : VW021190.D
 Acq On : 07 Dec 2021 00:27
 Operator : SY/VA
 Sample : M4888-19
 Misc : 5.41g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EX8C4

Quant Time: Dec 07 07:51:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 07 07:23:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	74299	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	38852	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	6636	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	41625	40.210	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 160.840%#	
7) Chloroethane-d5	2.879	69	25660	37.029	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 148.120%	
11) 1,1-Dichloroethene-d2	4.013	63	38152	23.070	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 92.280%	
21) 2-Butanone-d5	7.080	46	10447	44.244	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 88.480%	
24) Chloroform-d	7.647	84	64014	34.403	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 137.600%	
26) 1,2-Dichloroethane-d4	8.305	65	33940	33.341	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 133.360%#	
32) Benzene-d6	8.275	84	117141	58.967	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 235.880%#	
36) 1,2-Dichloropropane-d6	9.274	67	34040	61.661	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 246.640%#	
41) Toluene-d8	10.323	98	82039	40.276	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 161.120%#	
43) trans-1,3-Dichloroprop...	10.579	79	6247	24.921	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 99.680%	
47) 2-Hexanone-d5	10.920	63	5712	54.079	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 108.160%	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	20435	40.012	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 160.040%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	7263	30.547	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 122.200%#	
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	1453	6.756	ug/L	87
16) Methylene chloride	4.915	84	7214	6.163	ug/L	80
22) 2-Butanone	7.141	43	3471	11.661	ug/L #	52
27) 1,2-Dichloroethane	8.403	62	4872	4.075	ug/L #	94
34) Trichloroethene	9.091	95	120862	198.287	ug/L	91
35) Methylcyclohexane	9.335	83	1048	1.021	ug/L #	83
37) 1,2-Dichloropropane	9.268	63	4563	9.138	ug/L #	88
39) cis-1,3-Dichloropropene	10.036	75	857	1.061	ug/L #	78
42) Toluene	10.390	91	15293	6.060	ug/L	92
46) Tetrachloroethene	10.859	164	140606	251.918	ug/L	96
48) 2-Hexanone	10.945	43	915	3.729	ug/L #	41
49) Dibromochloromethane	10.859	129	122659	234.420	ug/L #	10
52) Ethylbenzene	11.725	91	1690	0.595	ug/L	98
53) m,p-Xylene	11.835	106	2072	1.763	ug/L	81
54) o-Xylene	12.164	106	1486	1.341	ug/L	86
60) Isopropylbenzene	12.463	105	584	0.633	ug/L	96
61) 1,2,3-Trichloropropane	12.597	75	735	6.612	ug/L #	76
62) 1,3,5-Trimethylbenzene	13.249	105	1071	1.387	ug/L	92
63) 1,2,4-Trimethylbenzene	13.249	105	1071	1.379	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Tue Dec 07 07:23:32 2021
Response via : Initial Calibration

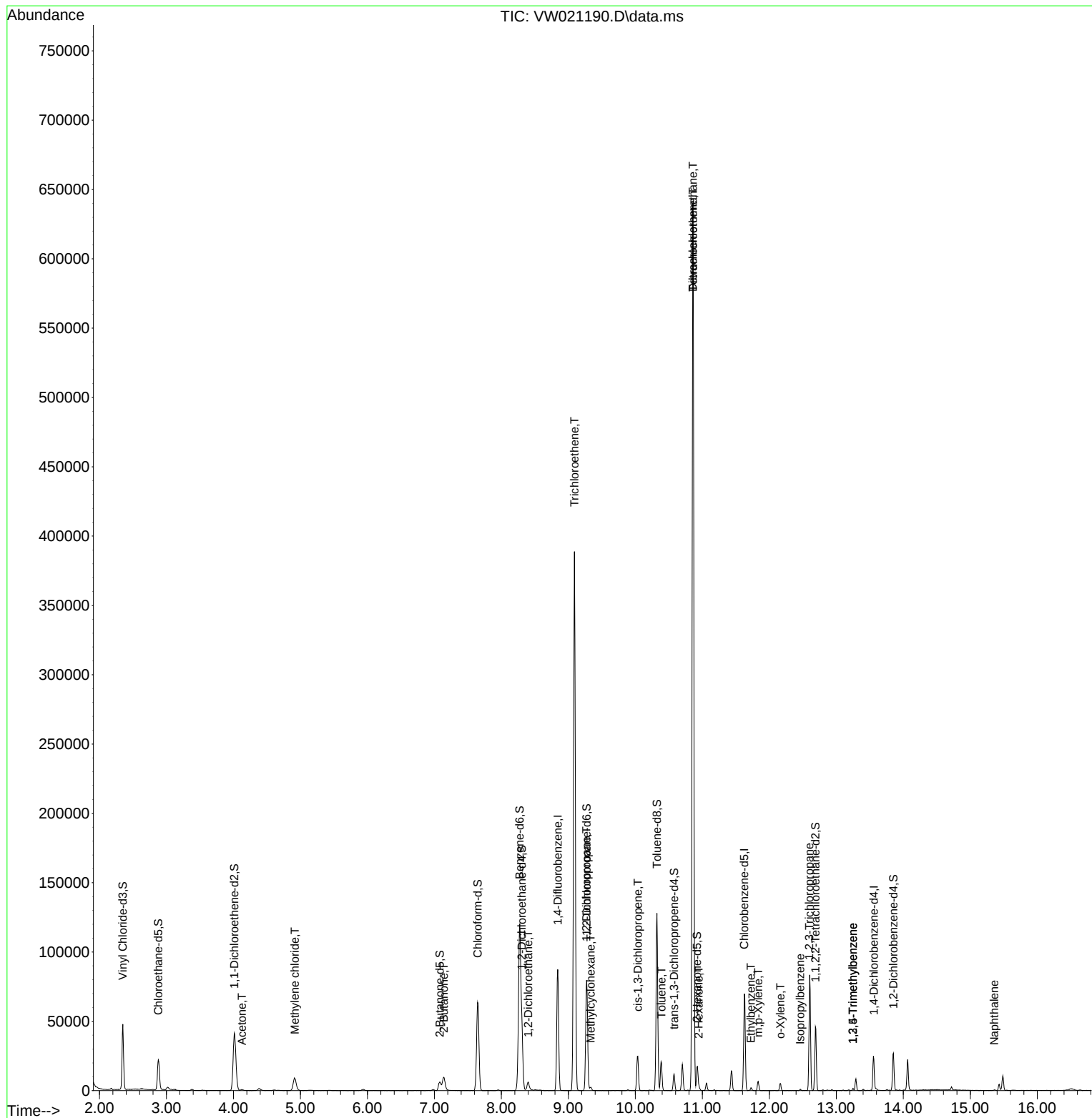
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.359	128	766	1.571	ug/L	# 69

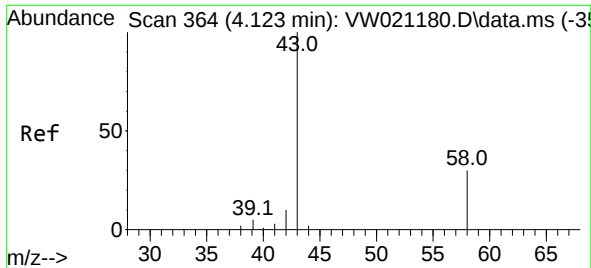
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 6.756 ug/L

RT: 4.129 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021190.D

Acq: 07 Dec 2021 00:27

Instrument :

MSVOA_W

ClientSampleId :

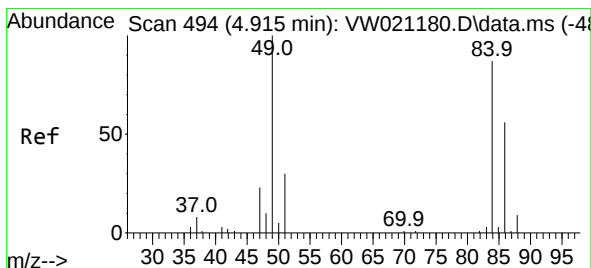
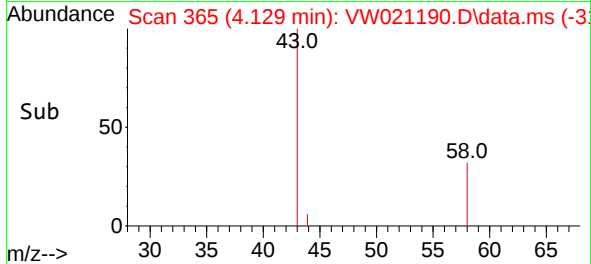
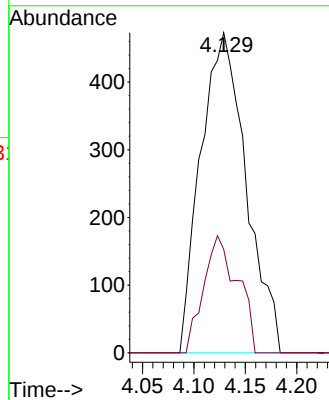
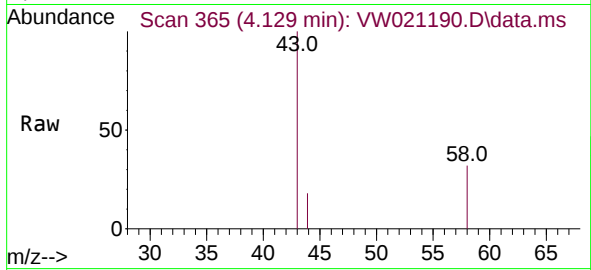
EX8C4

Tgt Ion: 43 Resp: 1453

Ion Ratio Lower Upper

43 100

58 20.0 0.0 52.8



#16

Methylene chloride

Concen: 6.163 ug/L

RT: 4.915 min Scan# 494

Delta R.T. 0.000 min

Lab File: VW021190.D

Acq: 07 Dec 2021 00:27

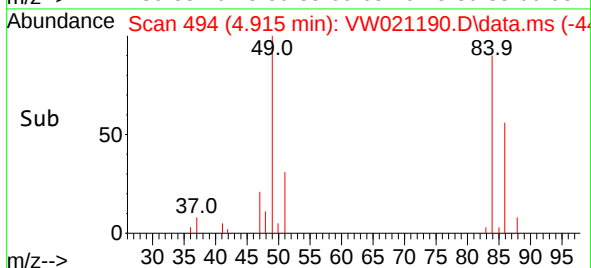
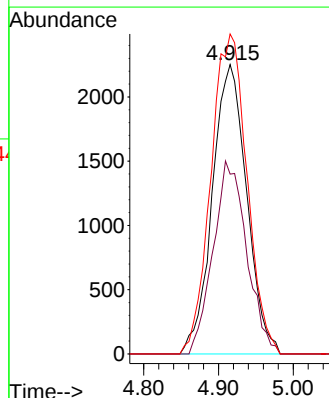
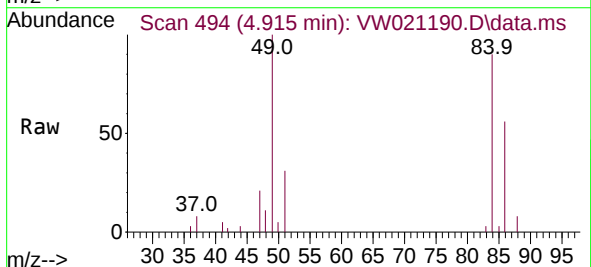
Tgt Ion: 84 Resp: 7214

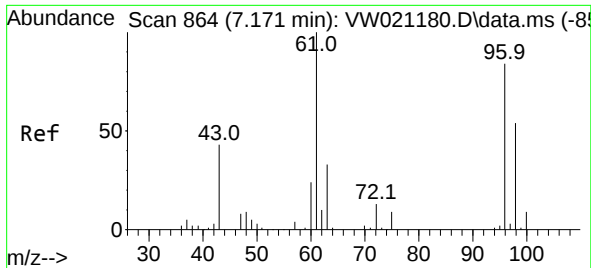
Ion Ratio Lower Upper

84 100

86 62.1 45.5 84.5

49 110.6 100.5 186.7

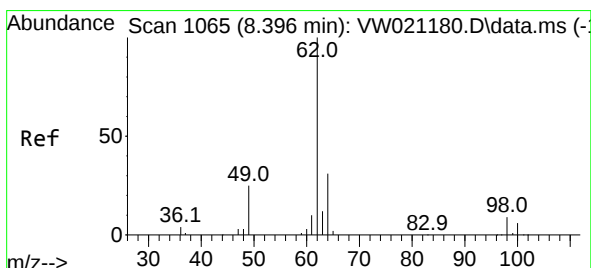
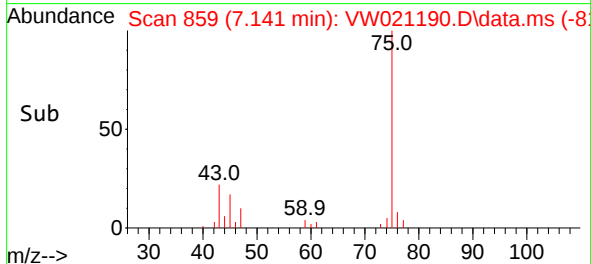
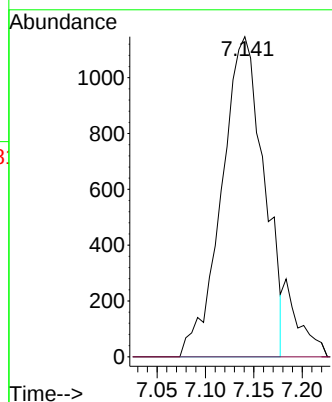
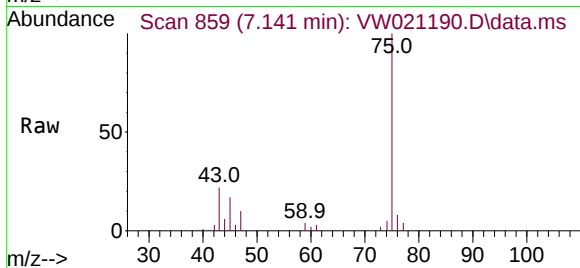




#22
2-Butanone
Concen: 11.661 ug/L
RT: 7.141 min Scan# 864
Delta R.T. -0.030 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

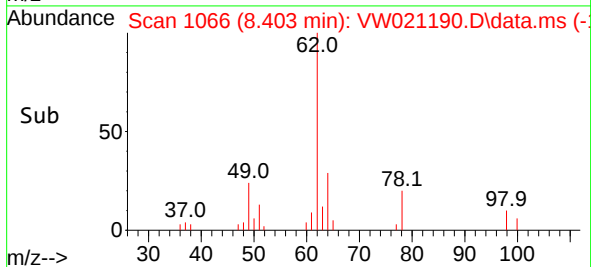
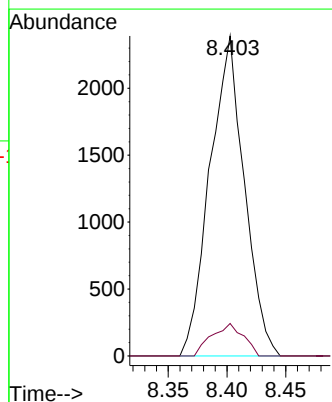
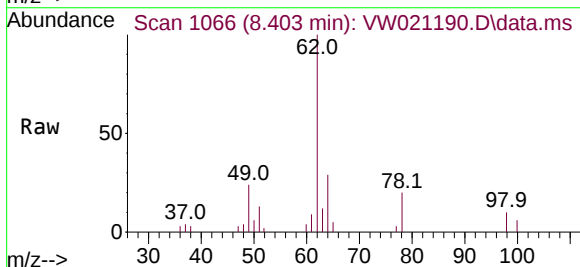
Instrument :
MSVOA_W
ClientSampleId :
EX8C4

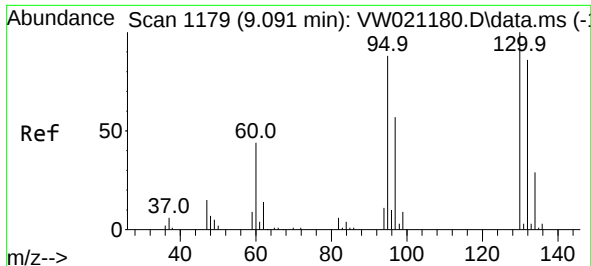
Tgt Ion: 43 Resp: 3471
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 4.075 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

Tgt Ion: 62 Resp: 4872
Ion Ratio Lower Upper
62 100
98 10.2 6.5 9.7#





#34

Trichloroethene

Concen: 198.287 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW021190.D

Acq: 07 Dec 2021 00:27

Instrument :

MSVOA_W

ClientSampleId :

EX8C4

Tgt Ion: 95 Resp: 120862

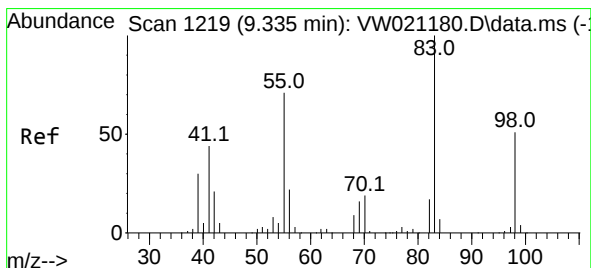
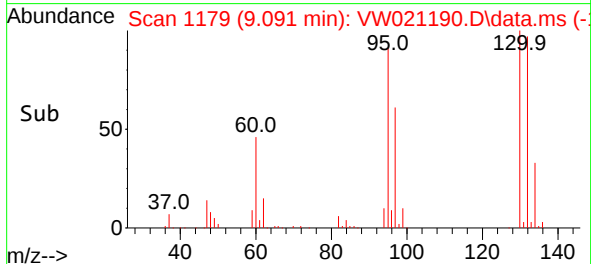
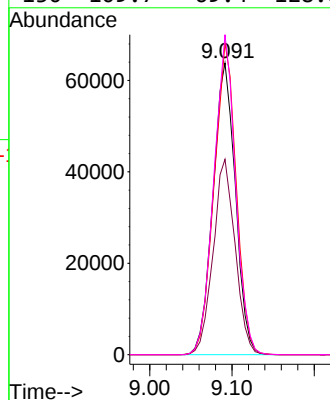
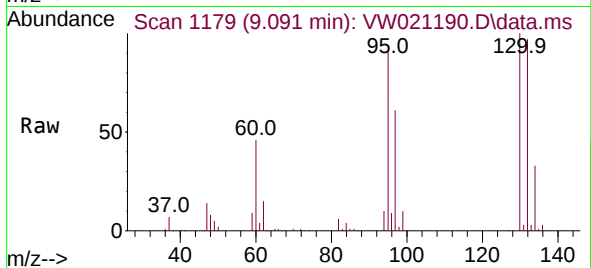
Ion Ratio Lower Upper

95 100

97 67.0 47.0 87.2

132 106.9 65.5 121.6

130 109.7 69.4 128.8



#35

Methylcyclohexane

Concen: 1.021 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW021190.D

Acq: 07 Dec 2021 00:27

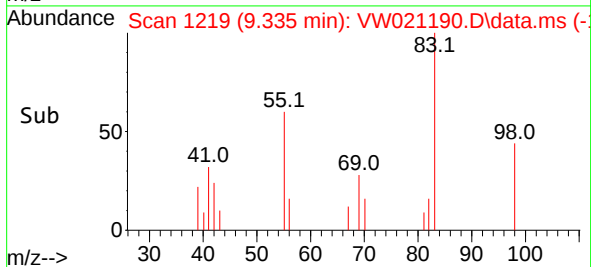
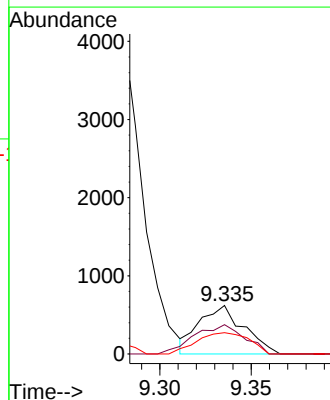
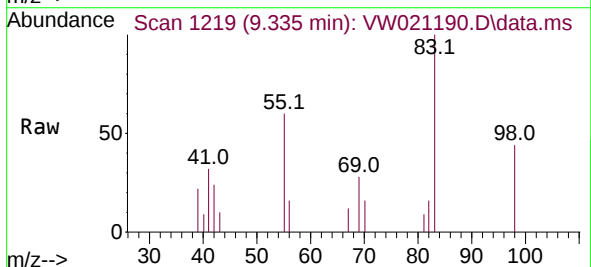
Tgt Ion: 83 Resp: 1048

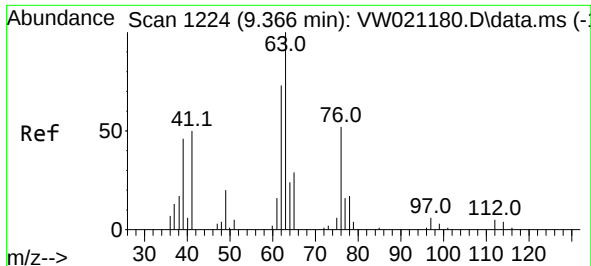
Ion Ratio Lower Upper

83 100

55 68.1 70.8 106.2#

98 51.8 37.7 56.5





#37

1,2-Dichloropropane

Concen: 9.138 ug/L

RT: 9.268 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021190.D

Acq: 07 Dec 2021 00:27

Instrument :

MSVOA_W

ClientSampleId :

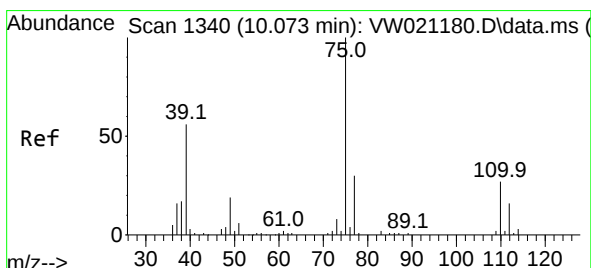
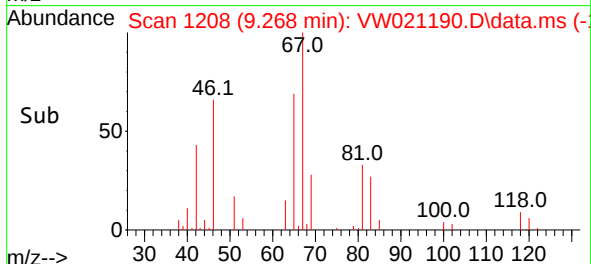
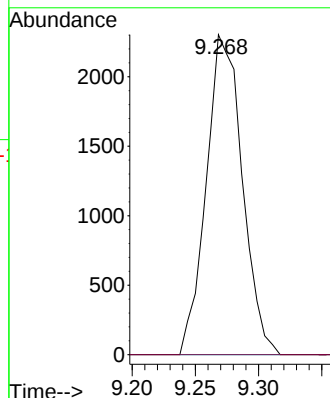
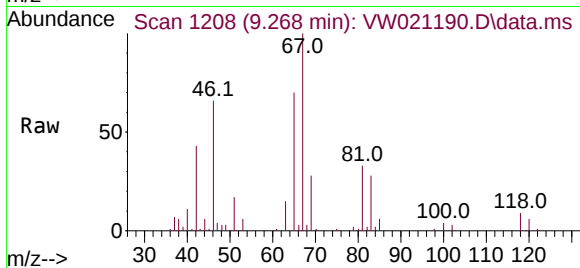
EX8C4

Tgt Ion: 63 Resp: 4563

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.061 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021190.D

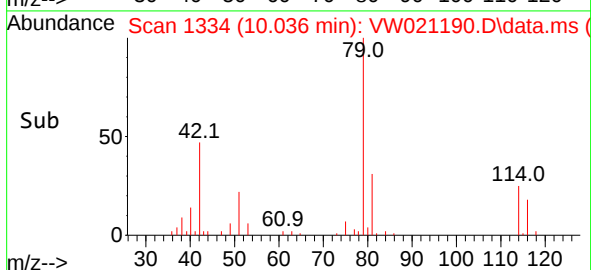
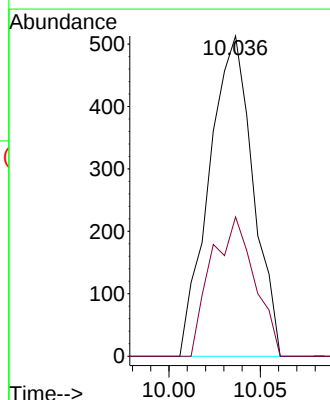
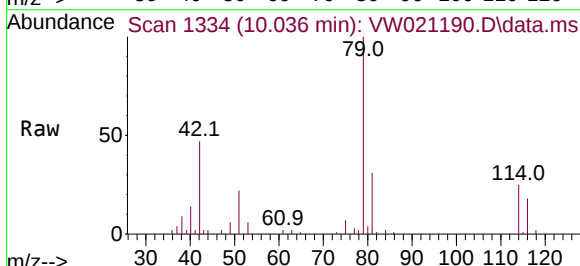
Acq: 07 Dec 2021 00:27

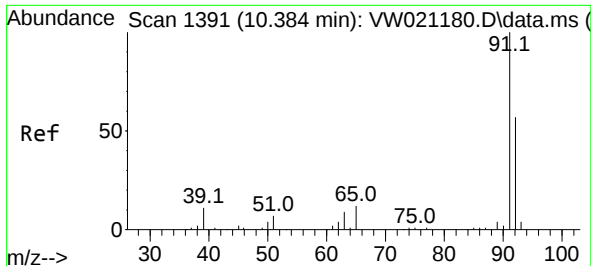
Tgt Ion: 75 Resp: 857

Ion Ratio Lower Upper

75 100

77 43.5 21.8 40.6#





#42

Toluene

Concen: 6.060 ug/L

RT: 10.390 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VW021190.D

Acq: 07 Dec 2021 00:27

Instrument :

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ClientSampleId :

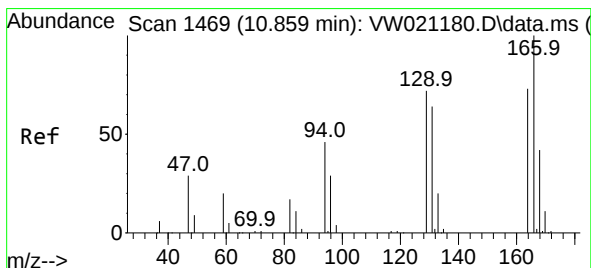
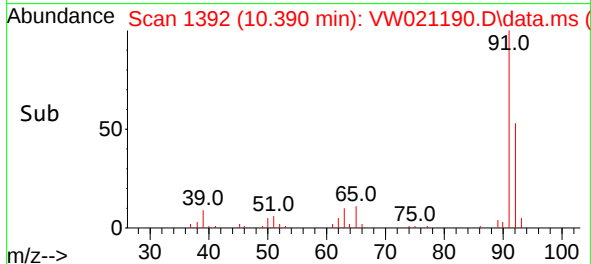
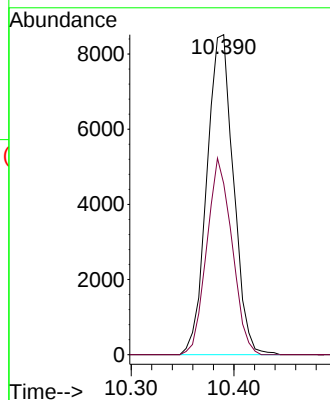
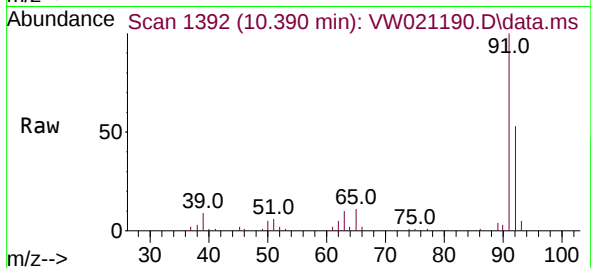
EX8C4

Tgt Ion: 91 Resp: 15293

Ion Ratio Lower Upper

91 100

92 53.5 41.7 77.5



#46

Tetrachloroethene

Concen: 251.918 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW021190.D

Acq: 07 Dec 2021 00:27

Tgt Ion:164 Resp: 140606

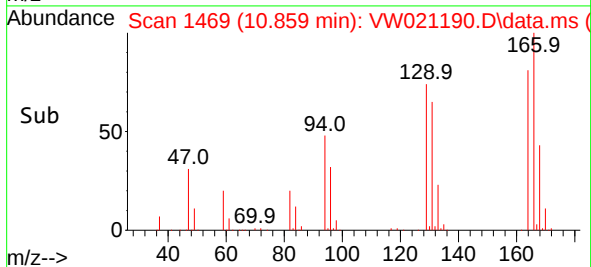
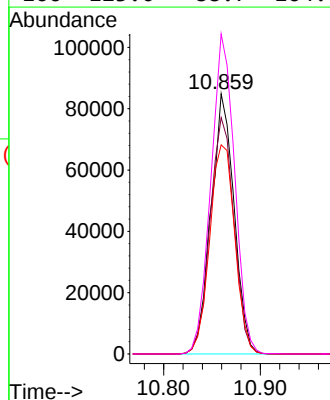
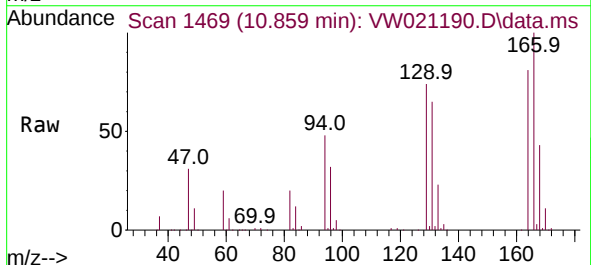
Ion Ratio Lower Upper

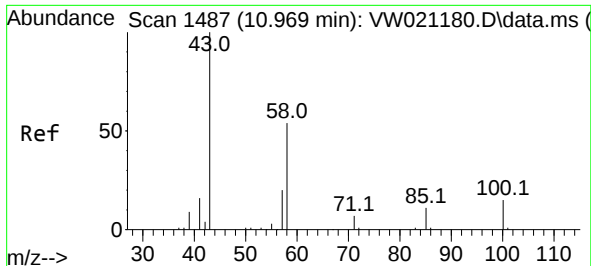
164 100

129 90.9 65.5 121.7

131 80.4 59.7 110.9

166 123.0 88.7 164.7

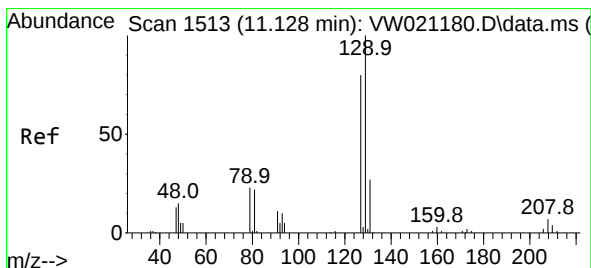
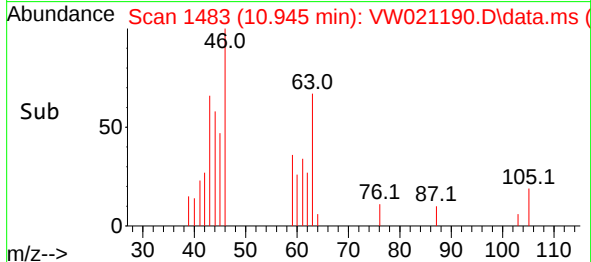
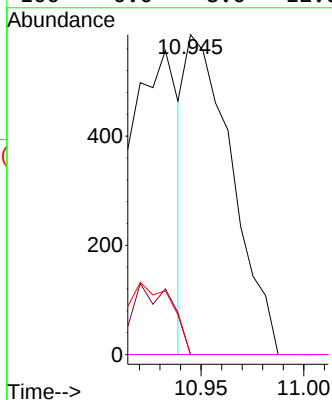
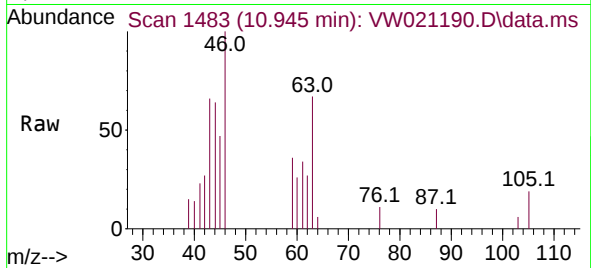




#48
2-Hexanone
Concen: 3.729 ug/L
RT: 10.945 min Scan# 14
Delta R.T. -0.024 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

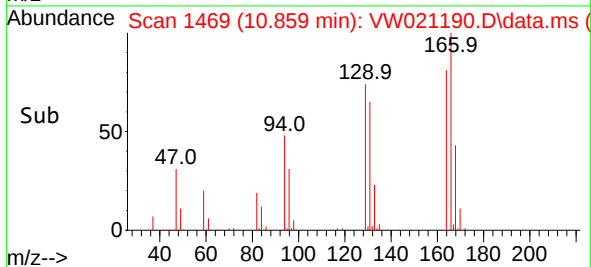
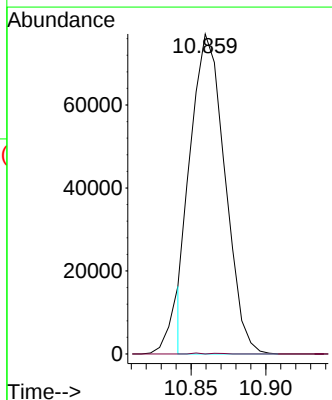
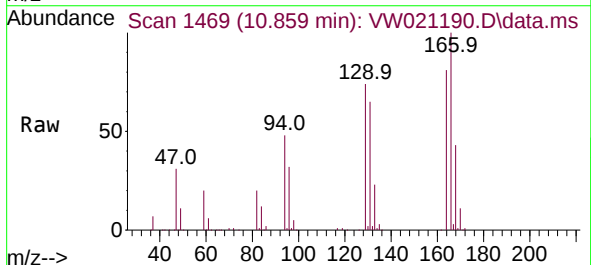
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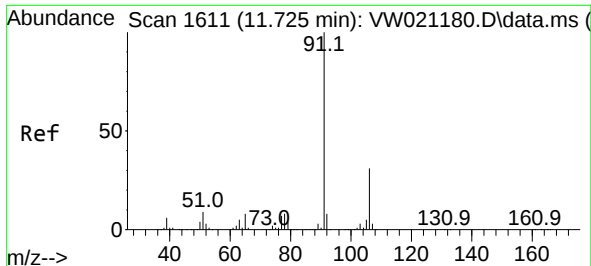
Tgt Ion:	43	Resp:	915
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.2	60.2#
57	0.0	14.3	21.5#
100	0.0	8.0	12.0#



#49
Dibromochloromethane
Concen: 234.420 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

Tgt Ion:	129	Resp:	122659
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#

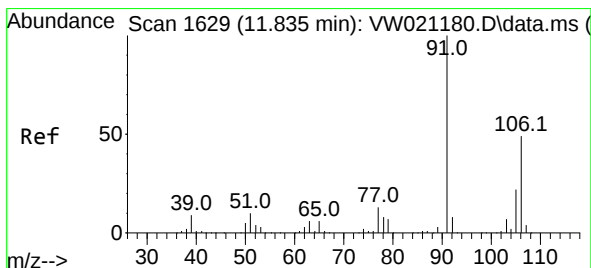
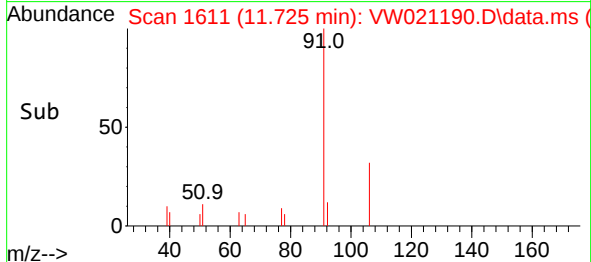
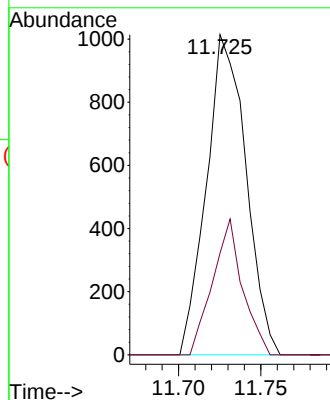
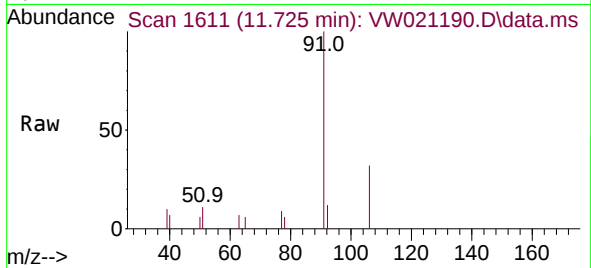




#52
Ethylbenzene
Concen: 0.595 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. 0.000 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

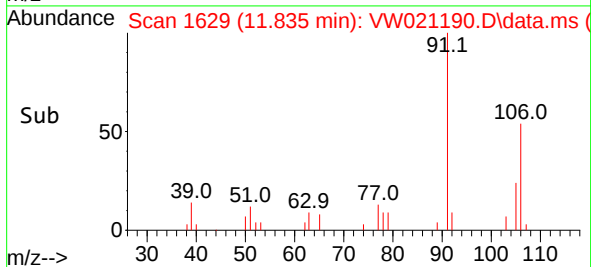
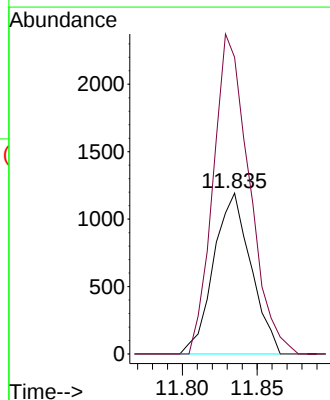
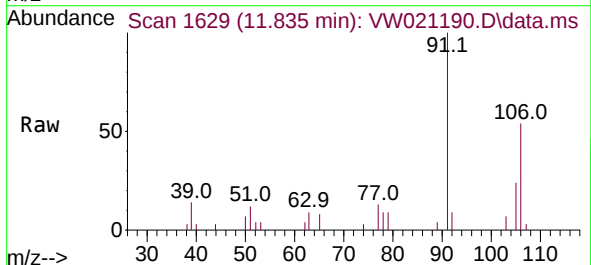
Instrument :
MSVOA_W
ClientSampleId :
EX8C4

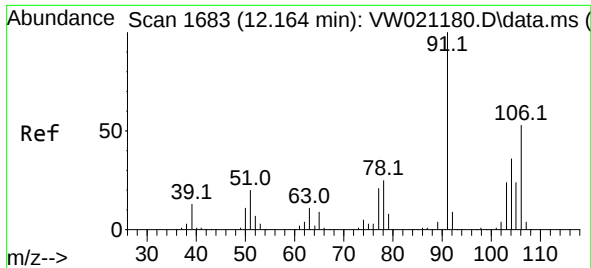
Tgt Ion: 91 Resp: 1690
Ion Ratio Lower Upper
91 100
106 31.8 21.5 39.9



#53
m,p-Xylene
Concen: 1.763 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

Tgt Ion: 106 Resp: 2072
Ion Ratio Lower Upper
106 100
91 184.4 149.9 278.3

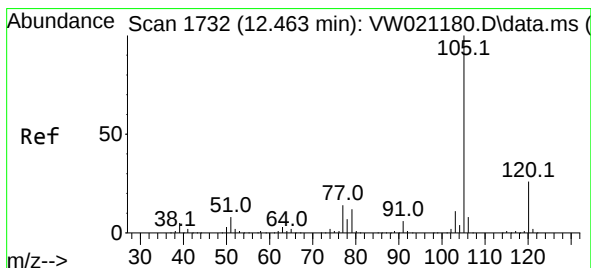
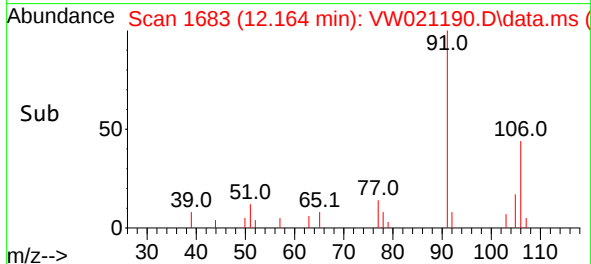
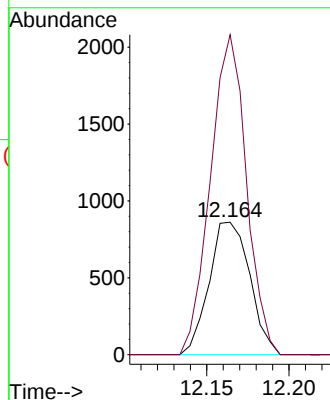
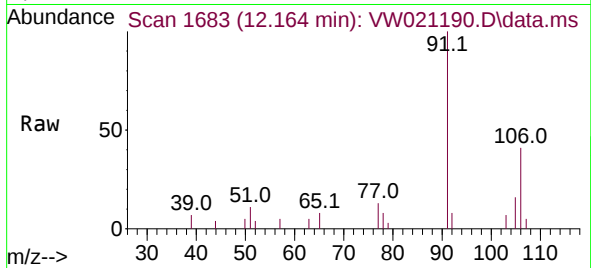




#54
o-Xylene
Concen: 1.341 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

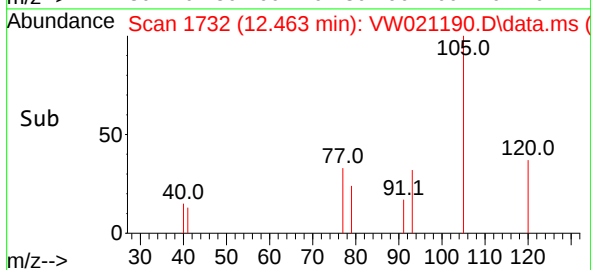
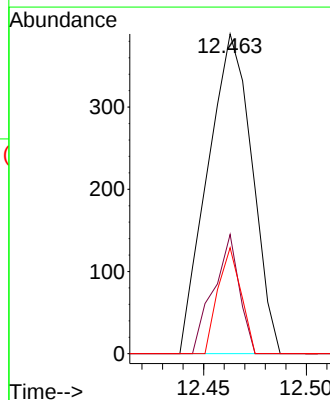
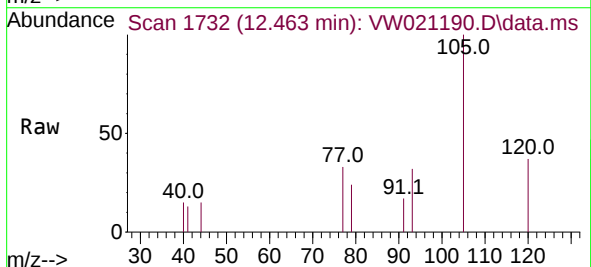
Instrument :
MSVOA_W
ClientSampleId :
EX8C4

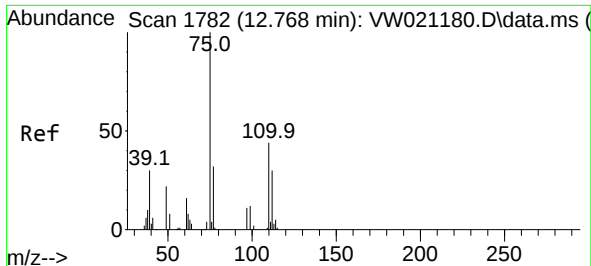
Tgt Ion:106 Resp: 1486
Ion Ratio Lower Upper
106 100
91 241.4 153.6 285.3



#60
Isopropylbenzene
Concen: 0.633 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

Tgt Ion:105 Resp: 584
Ion Ratio Lower Upper
105 100
120 21.7 20.1 30.1
77 17.1 13.8 20.8

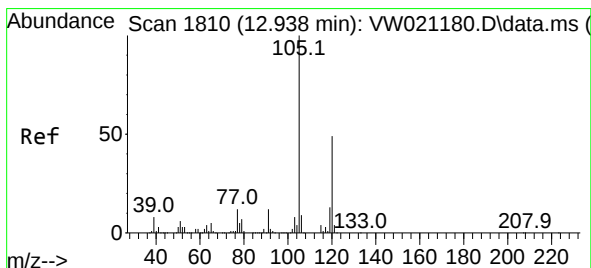
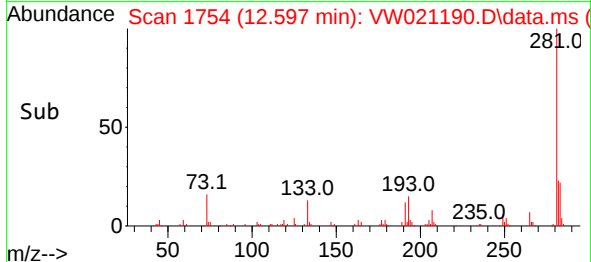
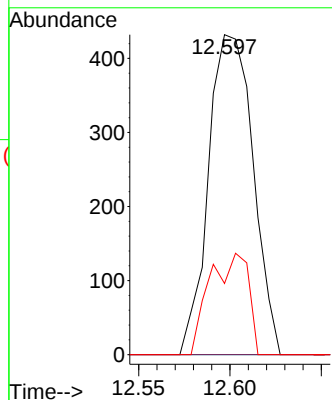
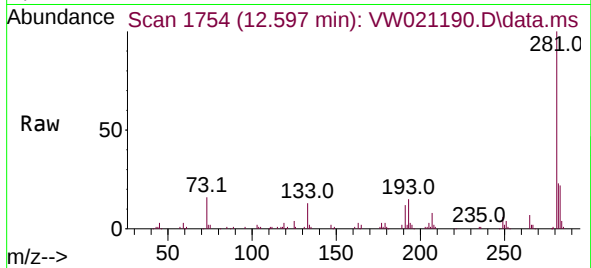




#61
1,2,3-Trichloropropane
Concen: 6.612 ug/L
RT: 12.597 min Scan# 11
Delta R.T. -0.171 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

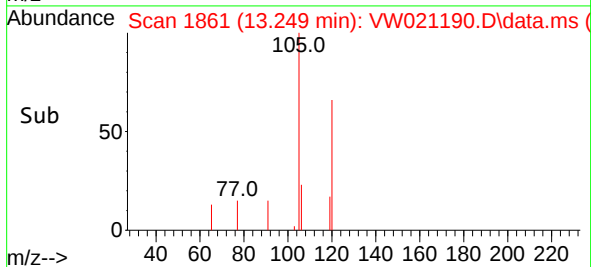
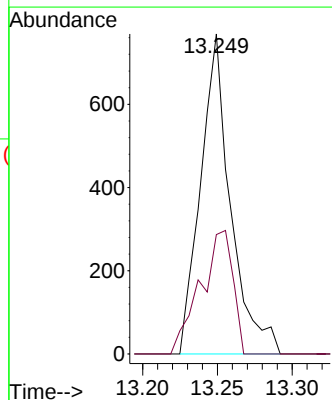
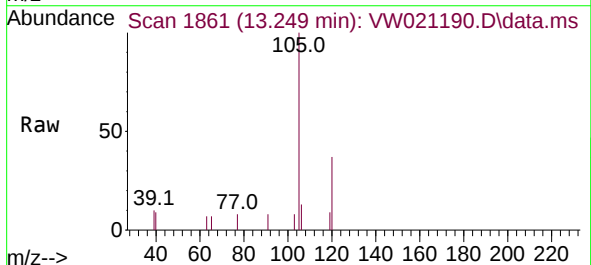
Instrument :
MSVOA_W
ClientSampleId :
EX8C4

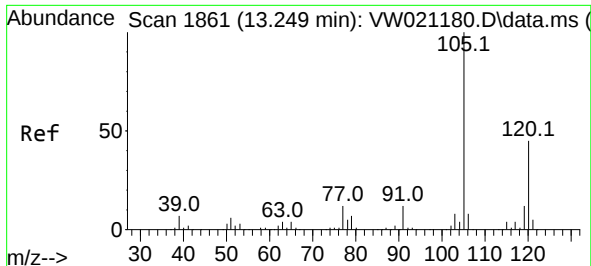
Tgt Ion: 75 Resp: 735
Ion Ratio Lower Upper
75 100
77 13.6 25.8 38.8#
110 27.5 29.0 43.4#



#62
1,3,5-Trimethylbenzene
Concen: 1.387 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.311 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

Tgt Ion: 105 Resp: 1071
Ion Ratio Lower Upper
105 100
120 41.7 37.4 56.2

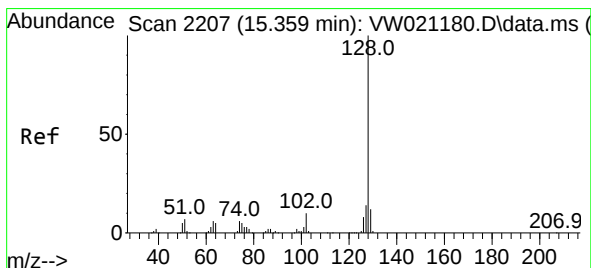
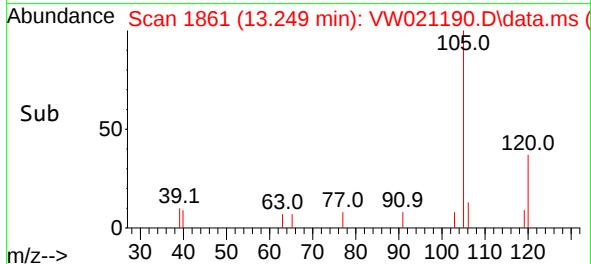
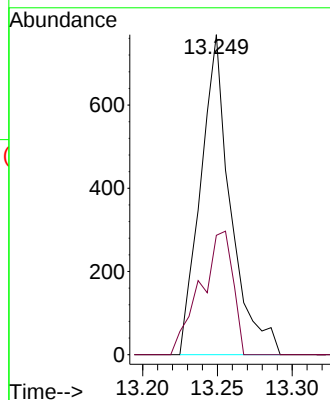
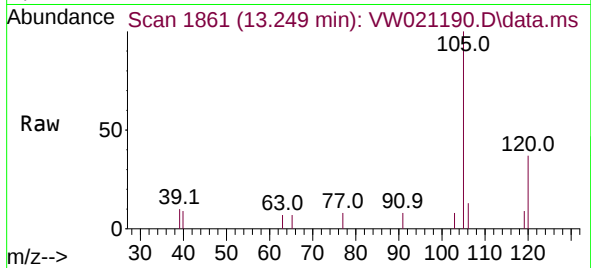




#63
1,2,4-Trimethylbenzene
Concen: 1.379 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

Instrument :
MSVOA_W
ClientSampleId :
EX8C4

Tgt Ion:105 Resp: 1071
Ion Ratio Lower Upper
105 100
120 41.7 35.0 52.6



#71
Naphthalene
Concen: 1.571 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VW021190.D
Acq: 07 Dec 2021 00:27

Tgt Ion:128 Resp: 766
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

