

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
 Data File : VW021192.D
 Acq On : 07 Dec 2021 01:15
 Operator : SY/VA
 Sample : M4888-05
 Misc : 5.80g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EX8B2

Quant Time: Dec 07 07:52:01 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	70737	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	35777	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	5593	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	39118	39.691	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 158.760%#	
7) Chloroethane-d5	2.885	69	23620	35.801	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 143.200%	
11) 1,1-Dichloroethene-d2	4.013	63	35484	22.537	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 90.160%	
21) 2-Butanone-d5	7.074	46	6559	29.177	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 58.360%	
24) Chloroform-d	7.653	84	56541	31.917	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 127.680%	
26) 1,2-Dichloroethane-d4	8.305	65	27736	28.619	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 114.480%	
32) Benzene-d6	8.275	84	101028	55.227	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 220.920%#	
36) 1,2-Dichloropropane-d6	9.274	67	30043	59.098	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 236.400%#	
41) Toluene-d8	10.323	98	71337	38.032	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 152.120%#	
43) trans-1,3-Dichloroprop...	10.579	79	5127	22.211	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 88.840%	
47) 2-Hexanone-d5	10.927	63	4235	43.542	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 87.080%	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	15318	32.570	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 130.280%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	5731	28.598	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 114.400%	
Target Compounds						
					Qvalue	
16) Methylene chloride	4.922	84	5206	4.671	ug/L	80
22) 2-Butanone	7.135	43	3802	13.417	ug/L	# 52
27) 1,2-Dichloroethane	8.403	62	2033	1.786	ug/L	95
29) Cyclohexane	7.958	56	672	0.851	ug/L	# 73
33) Benzene	8.317	78	1271	0.625	ug/L	100
34) Trichloroethene	9.092	95	38096	67.873	ug/L	87
35) Methylcyclohexane	9.341	83	2051	2.171	ug/L	87
37) 1,2-Dichloropropane	9.274	63	3932	8.551	ug/L	# 88
39) cis-1,3-Dichloropropene	10.036	75	596	0.801	ug/L	# 47
42) Toluene	10.390	91	13820	5.947	ug/L	95
46) Tetrachloroethene	10.860	164	193963	377.384	ug/L	98
48) 2-Hexanone	10.951	43	1778	7.868	ug/L	# 44
49) Dibromochloromethane	10.860	129	168247	349.182	ug/L	# 10
53) m,p-Xylene	11.829	106	1368	1.264	ug/L	71
54) o-Xylene	12.158	106	1114	1.092	ug/L	78
60) Isopropylbenzene	12.469	105	817	1.051	ug/L	# 2
61) 1,2,3-Trichloropropane	12.603	75	140	1.494	ug/L	# 1
62) 1,3,5-Trimethylbenzene	13.249	105	788	1.211	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	788	1.204	ug/L	97

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

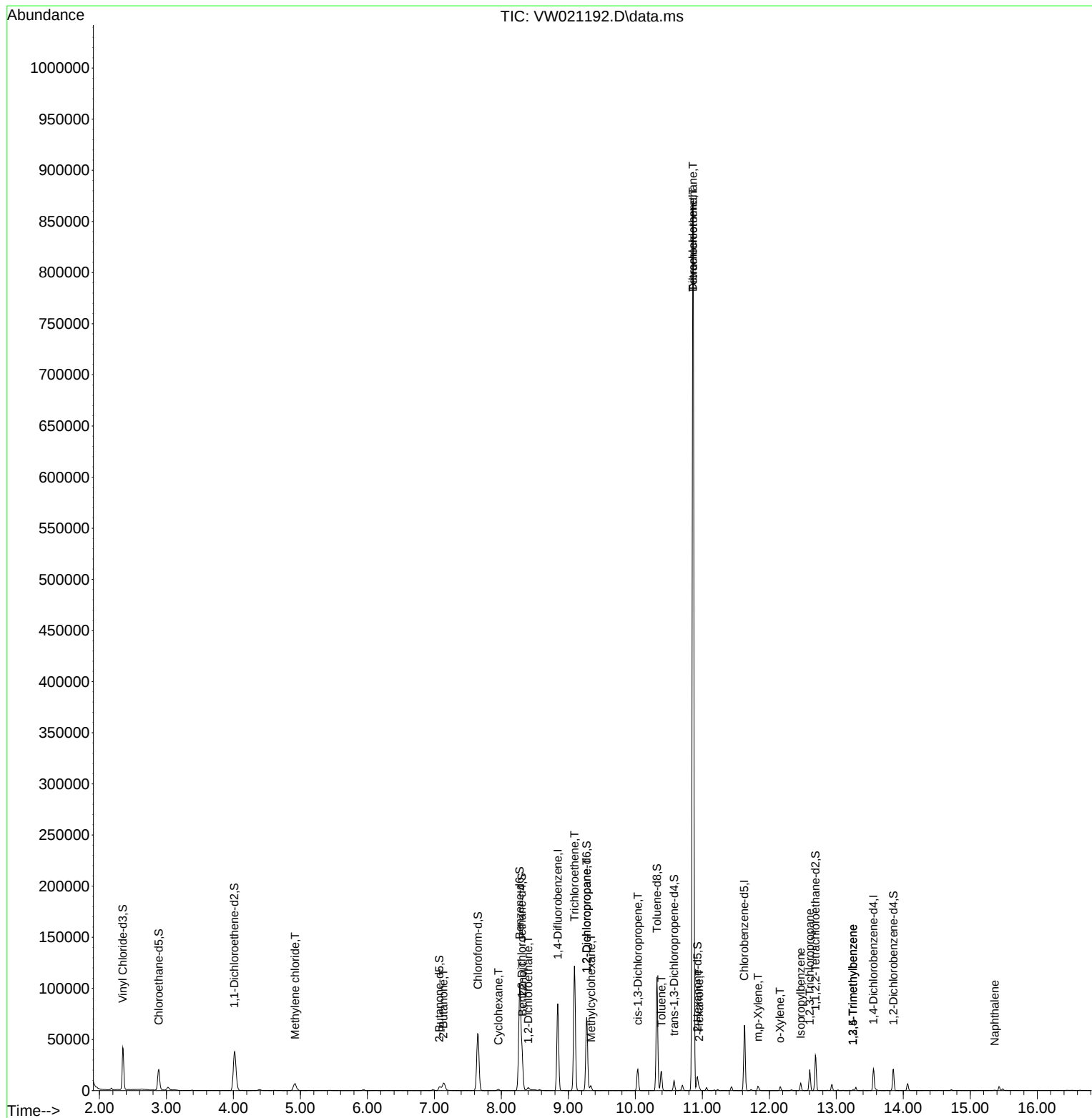
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.365	128	583	1.419	ug/L	# 69

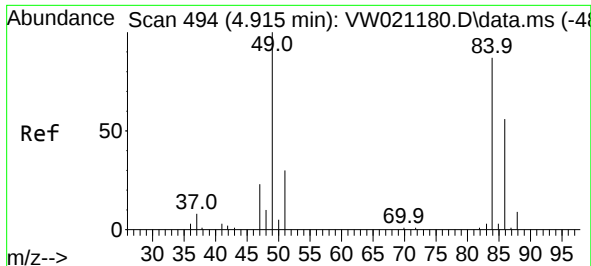
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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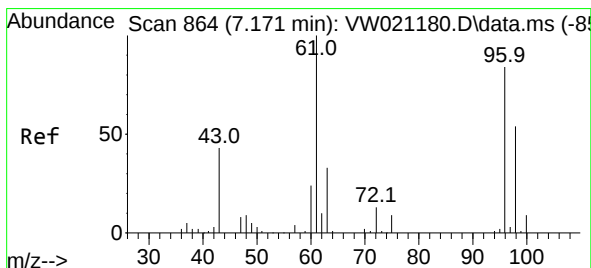
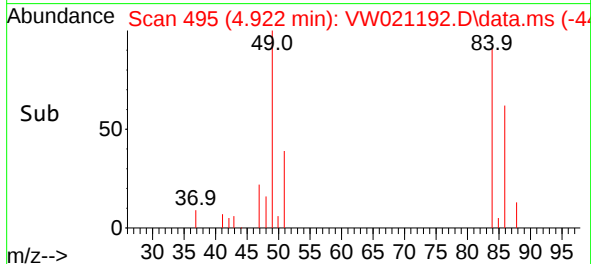
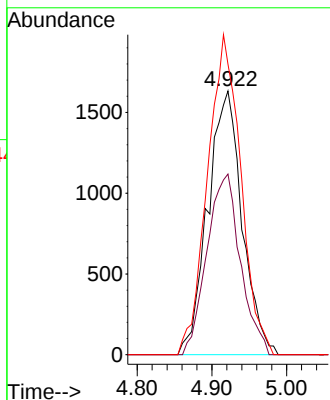
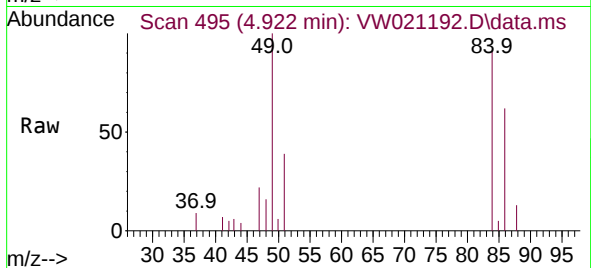




#16
Methylene chloride
Concen: 4.671 ug/L
RT: 4.922 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW021192.D
Acq: 07 Dec 2021 01:15

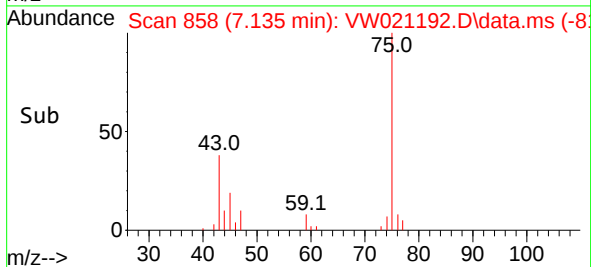
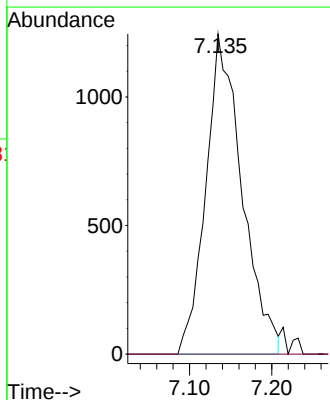
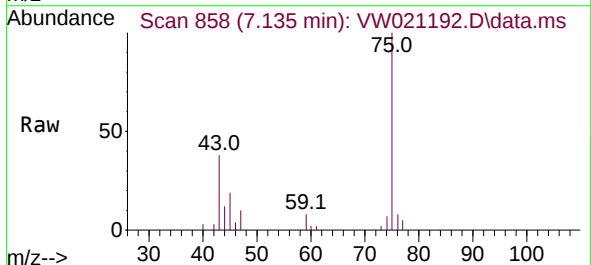
Instrument :
MSVOA_W
ClientSampleId :
EX8B2

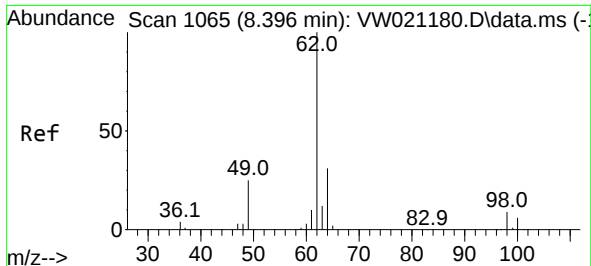
Tgt Ion: 84 Resp: 5206
Ion Ratio Lower Upper
84 100
86 68.5 45.5 84.5
49 110.2 100.5 186.7



#22
2-Butanone
Concen: 13.417 ug/L
RT: 7.135 min Scan# 858
Delta R.T. -0.037 min
Lab File: VW021192.D
Acq: 07 Dec 2021 01:15

Tgt Ion: 43 Resp: 3802
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#





#27

1,2-Dichloroethane

Concen: 1.786 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

Instrument :

MSVOA_W

ClientSampleId :

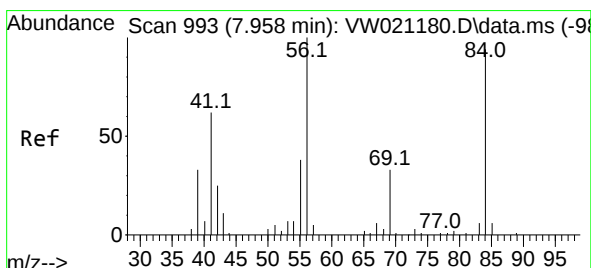
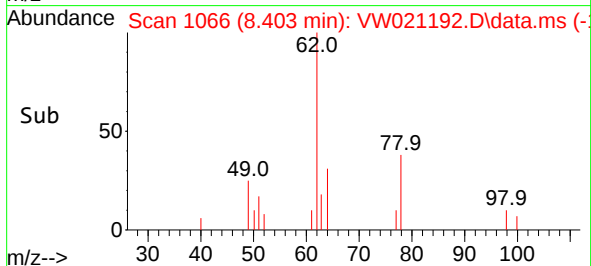
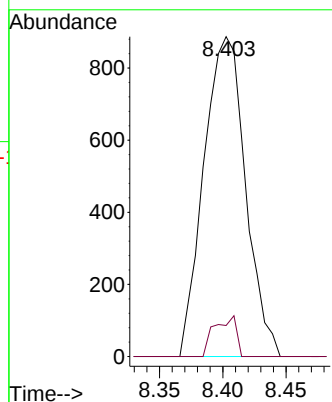
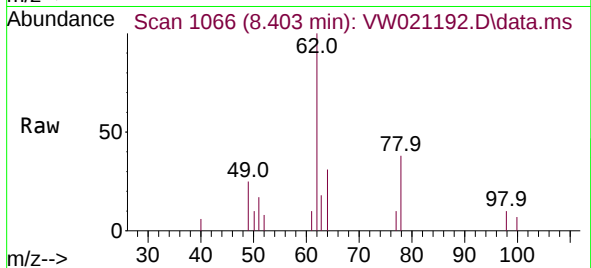
EX8B2

Tgt Ion: 62 Resp: 2033

Ion Ratio Lower Upper

62 100

98 9.7 6.5 9.7



#29

Cyclohexane

Concen: 0.851 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

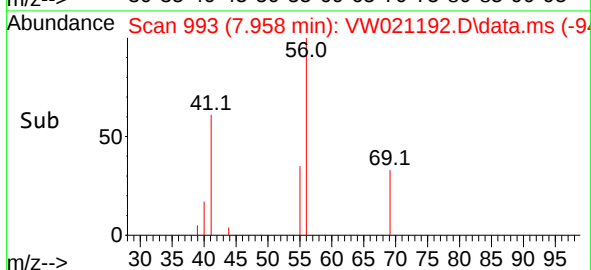
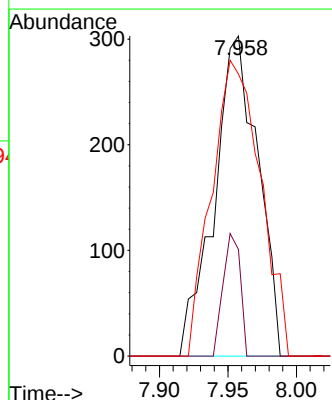
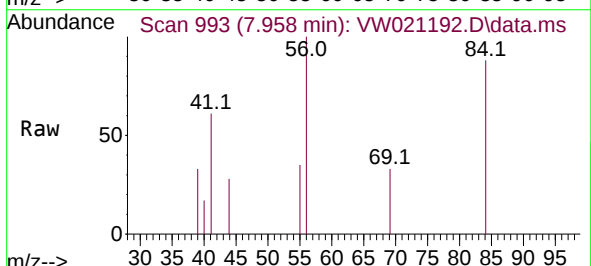
Tgt Ion: 56 Resp: 672

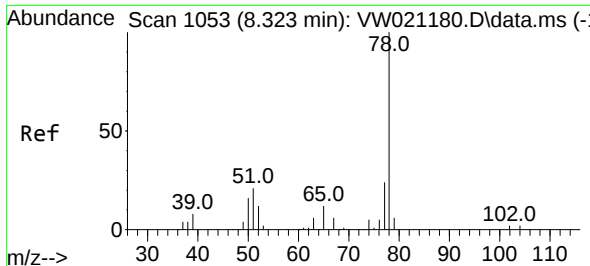
Ion Ratio Lower Upper

56 100

69 15.0 23.5 35.3#

84 103.3 63.4 95.2#





#33

Benzene

Concen: 0.625 ug/L

RT: 8.317 min Scan# 1052

Delta R.T. -0.006 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

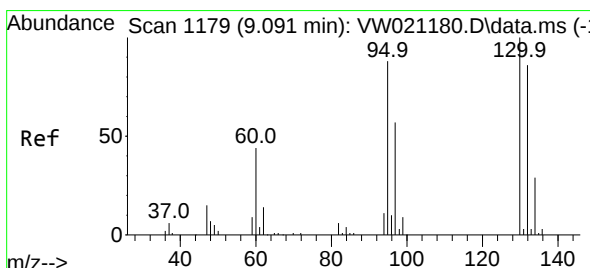
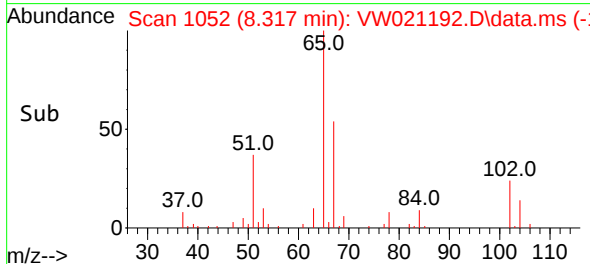
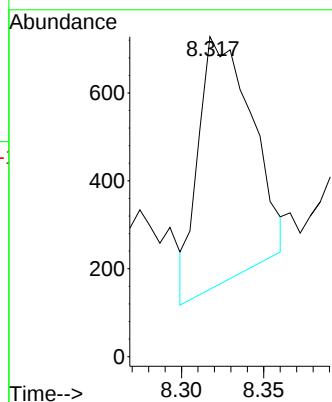
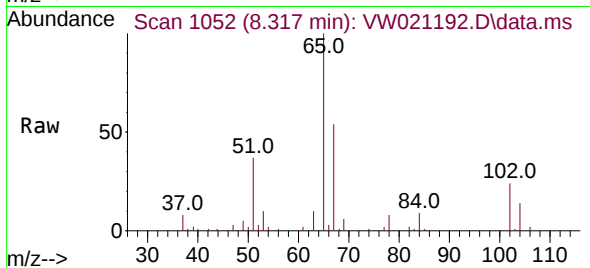
Instrument :

MSVOA_W

ClientSampleId :

EX8B2

Tgt Ion: 78 Resp: 1271



#34

Trichloroethene

Concen: 67.873 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

Tgt Ion: 95 Resp: 38096

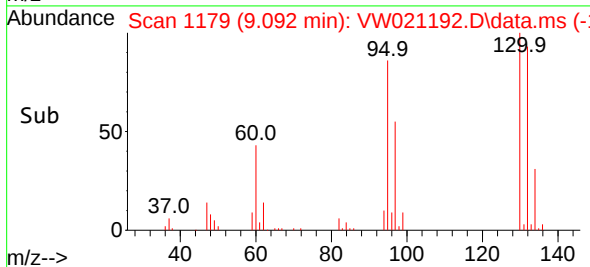
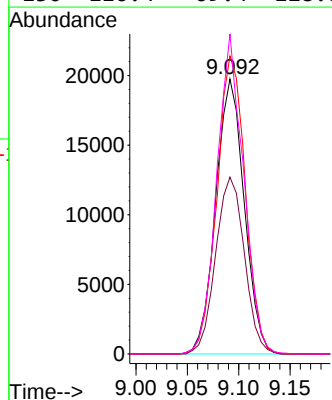
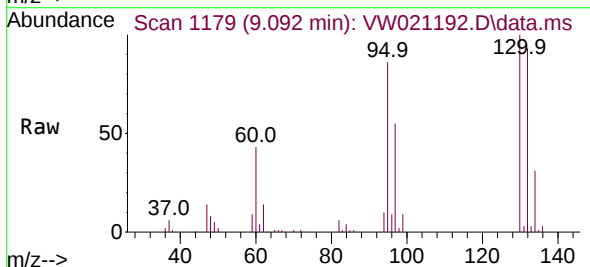
Ion Ratio Lower Upper

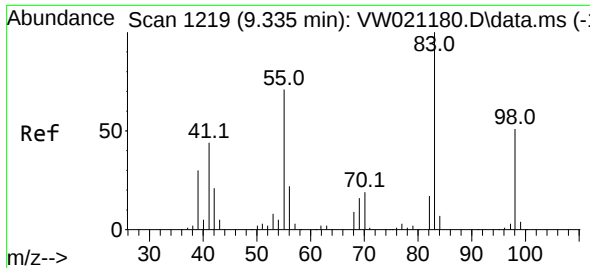
95 100

97 64.3 47.0 87.2

132 108.4 65.5 121.6

130 116.4 69.4 128.8





#35

Methylcyclohexane

Concen: 2.171 ug/L

RT: 9.341 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

Instrument :

MSVOA_W

ClientSampleId :

EX8B2

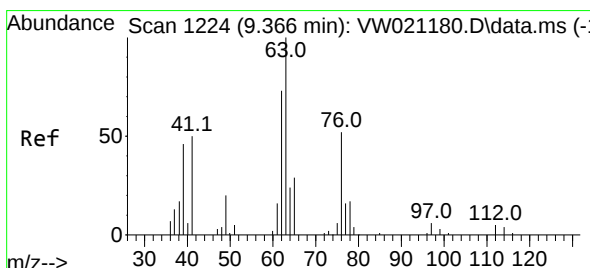
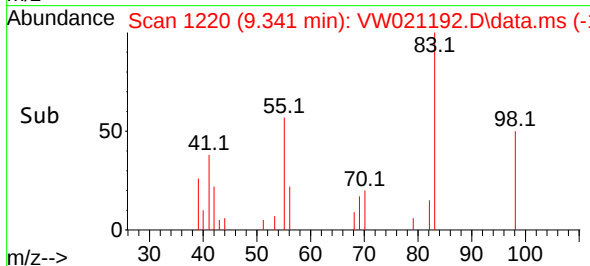
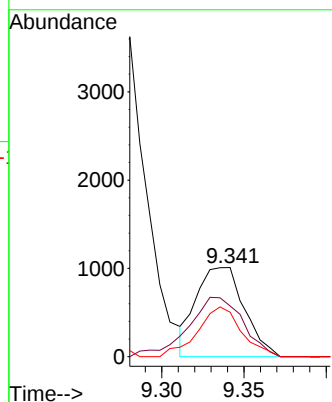
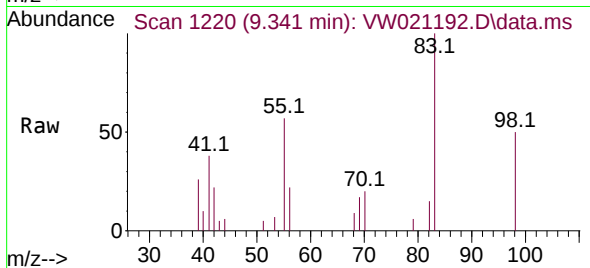
Tgt Ion: 83 Resp: 2051

Ion Ratio Lower Upper

83 100

55 72.3 70.8 106.2

98 51.1 37.7 56.5



#37

1,2-Dichloropropane

Concen: 8.551 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.091 min

Lab File: VW021192.D

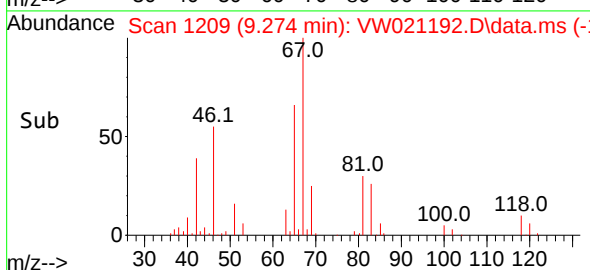
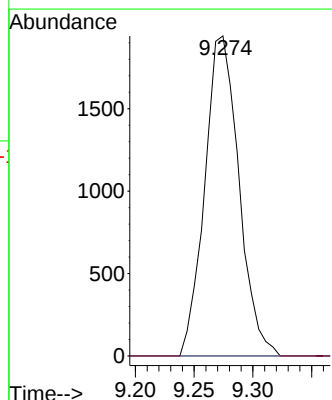
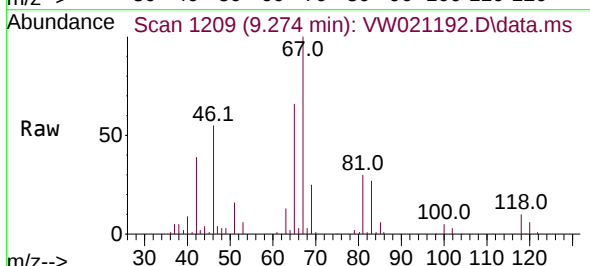
Acq: 07 Dec 2021 01:15

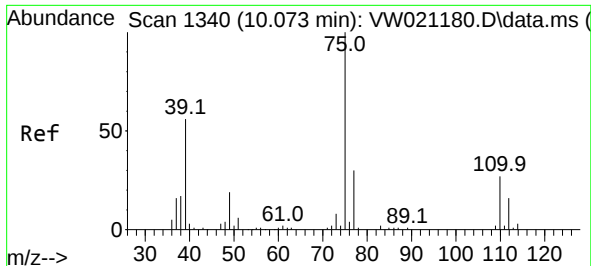
Tgt Ion: 63 Resp: 3932

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.801 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

Instrument :

MSVOA_W

ClientSampleId :

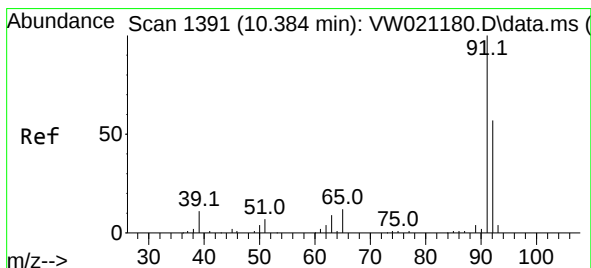
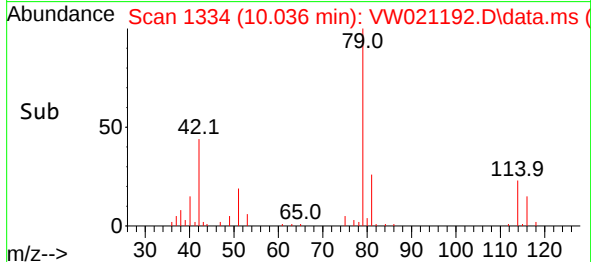
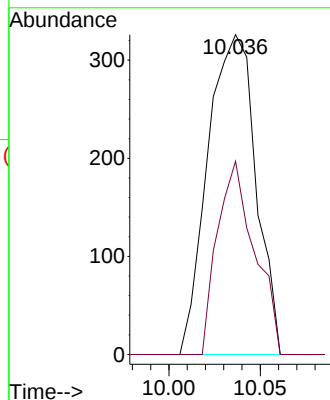
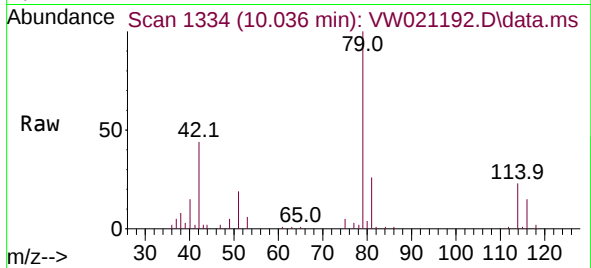
EX8B2

Tgt Ion: 75 Resp: 596

Ion Ratio Lower Upper

75 100

77 60.4 21.8 40.6#



#42

Toluene

Concen: 5.947 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW021192.D

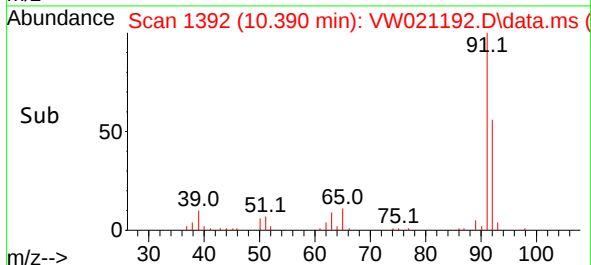
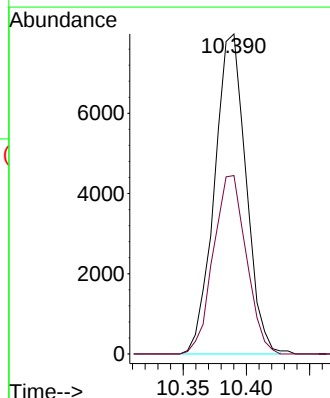
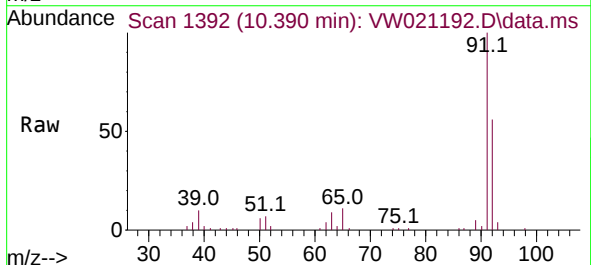
Acq: 07 Dec 2021 01:15

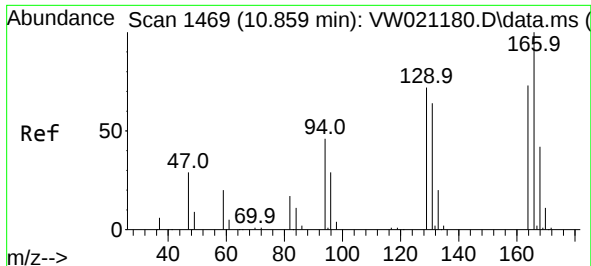
Tgt Ion: 91 Resp: 13820

Ion Ratio Lower Upper

91 100

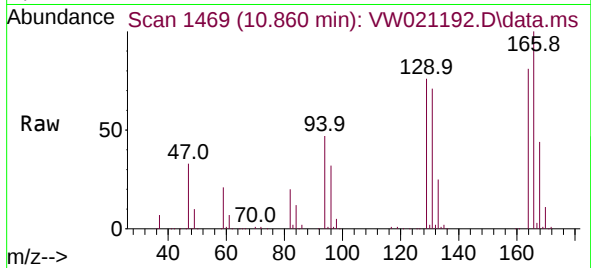
92 55.8 41.7 77.5



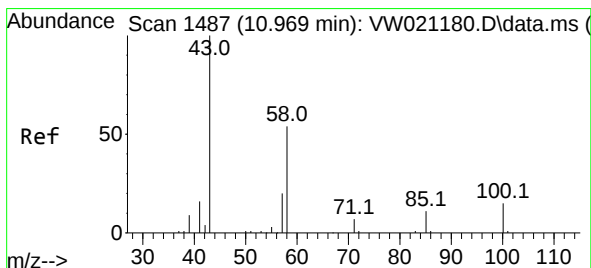
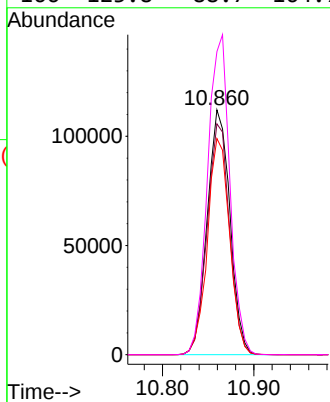
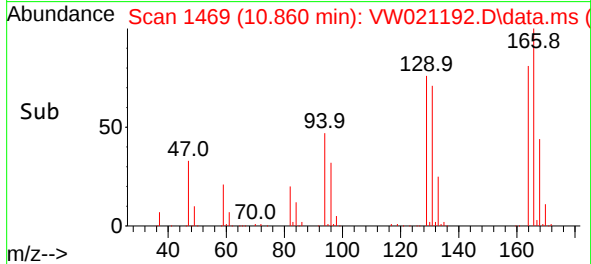


#46
Tetrachloroethene
Concen: 377.384 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW021192.D
Acq: 07 Dec 2021 01:15

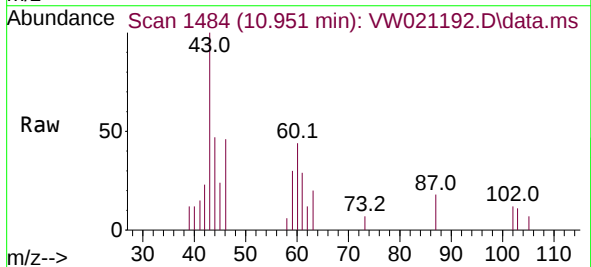
Instrument :
MSVOA_W
ClientSampleId :
EX8B2



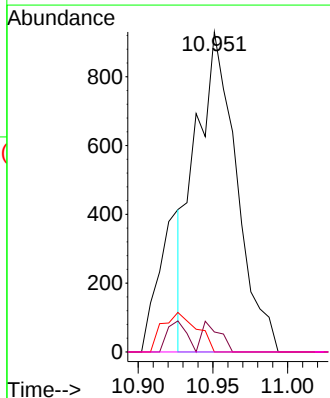
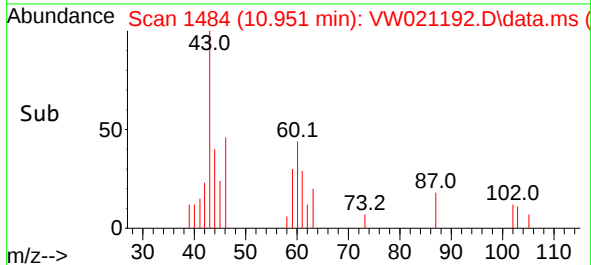
Tgt Ion:164 Resp: 193963
Ion Ratio Lower Upper
164 100
129 94.3 65.5 121.7
131 88.3 59.7 110.9
166 123.8 88.7 164.7

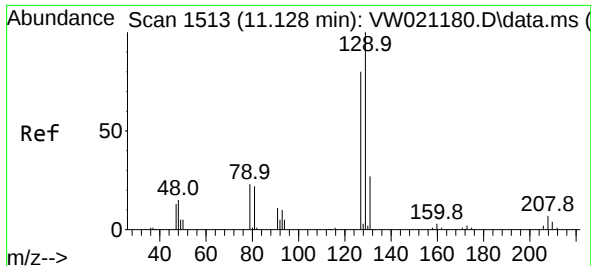


#48
2-Hexanone
Concen: 7.868 ug/L
RT: 10.951 min Scan# 1484
Delta R.T. -0.018 min
Lab File: VW021192.D
Acq: 07 Dec 2021 01:15



Tgt Ion: 43 Resp: 1778
Ion Ratio Lower Upper
43 100
58 4.1 40.2 60.2#
57 0.0 14.3 21.5#
100 0.0 8.0 12.0#





#49

Dibromochloromethane

Concen: 349.182 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.268 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

Instrument :

MSVOA_W

ClientSampleId :

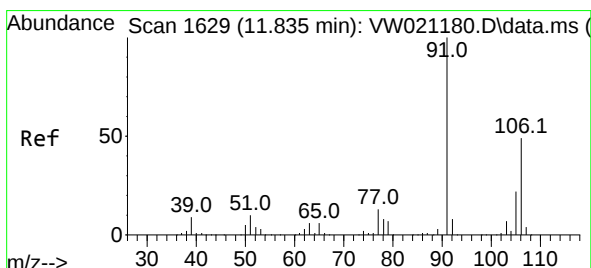
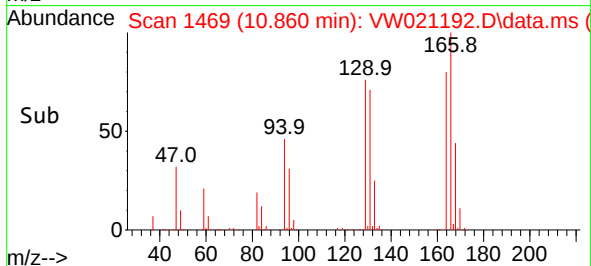
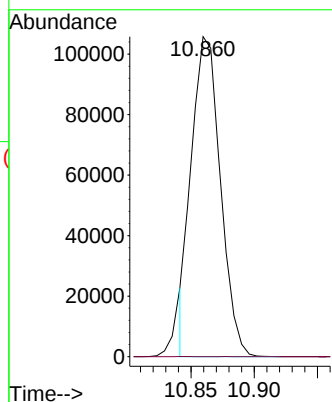
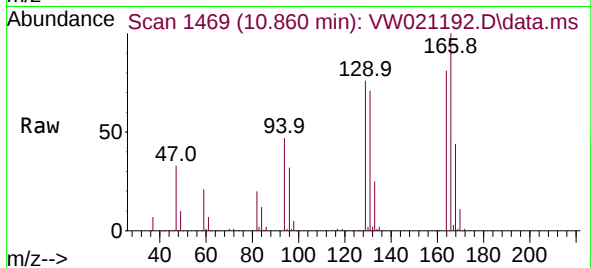
EX8B2

Tgt Ion:129 Resp: 168247

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#53

m,p-Xylene

Concen: 1.264 ug/L

RT: 11.829 min Scan# 1628

Delta R.T. -0.006 min

Lab File: VW021192.D

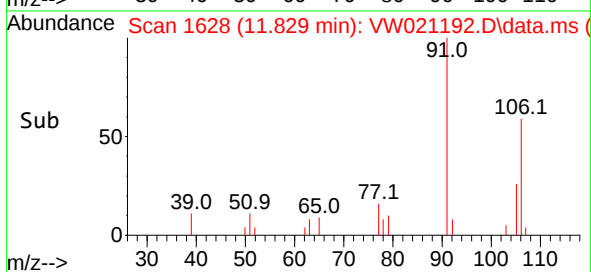
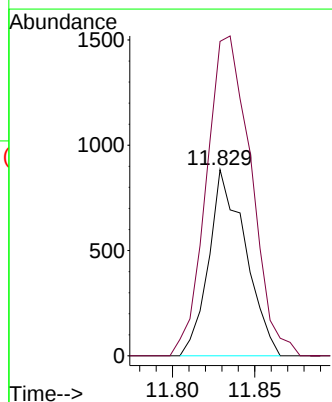
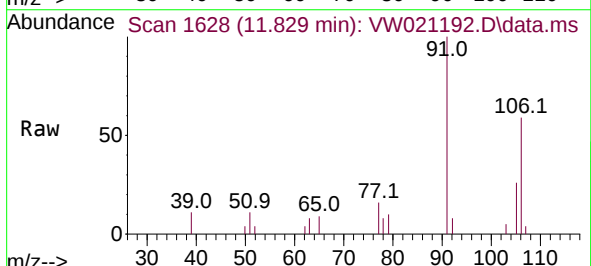
Acq: 07 Dec 2021 01:15

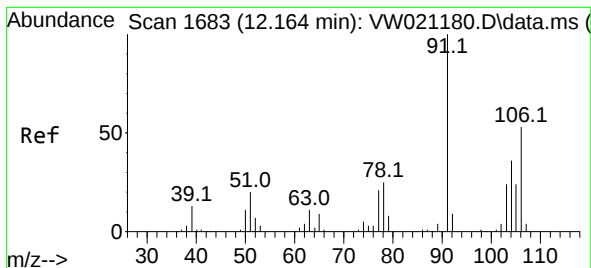
Tgt Ion:106 Resp: 1368

Ion Ratio Lower Upper

106 100

91 168.9 149.9 278.3





#54

o-Xylene

Concen: 1.092 ug/L

RT: 12.158 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

Instrument :

MSVOA_W

ClientSampleId :

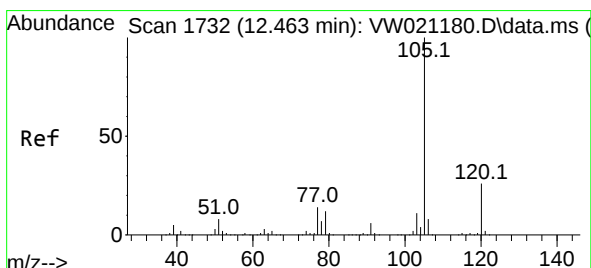
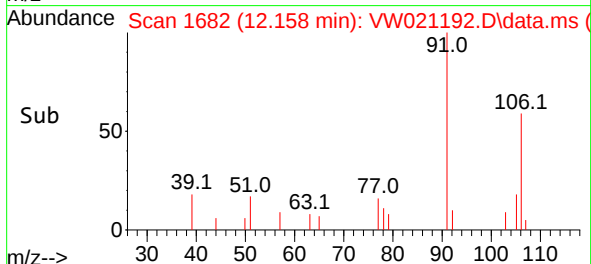
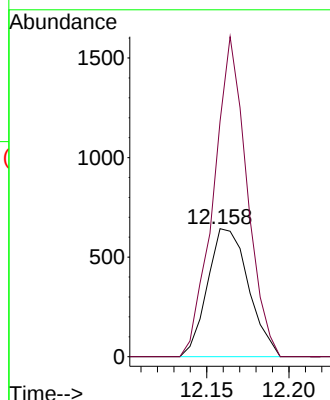
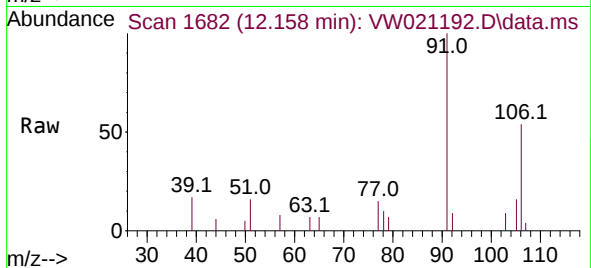
EX8B2

Tgt Ion:106 Resp: 1114

Ion Ratio Lower Upper

106 100

91 183.7 153.6 285.3



#60

Isopropylbenzene

Concen: 1.051 ug/L

RT: 12.469 min Scan# 1733

Delta R.T. 0.006 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

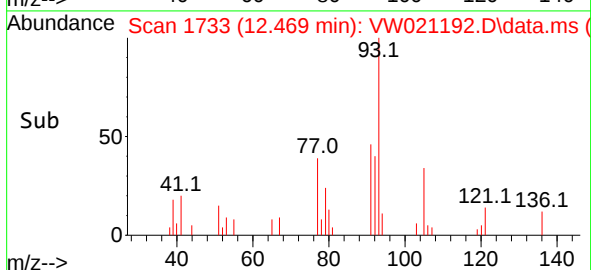
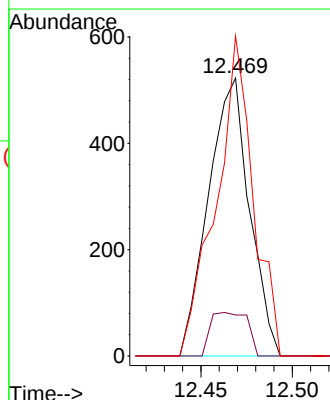
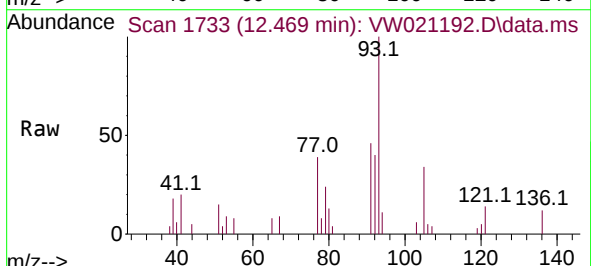
Tgt Ion:105 Resp: 817

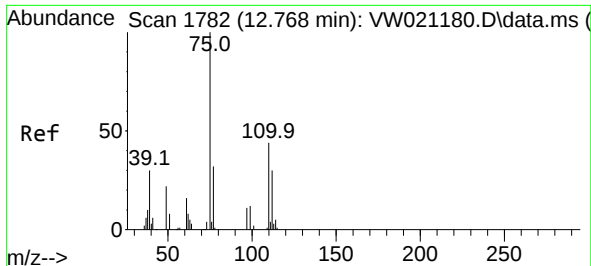
Ion Ratio Lower Upper

105 100

120 10.6 20.1 30.1#

77 103.4 13.8 20.8#





#61

1,2,3-Trichloropropane

Concen: 1.494 ug/L

RT: 12.603 min Scan# 11

Delta R.T. -0.165 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

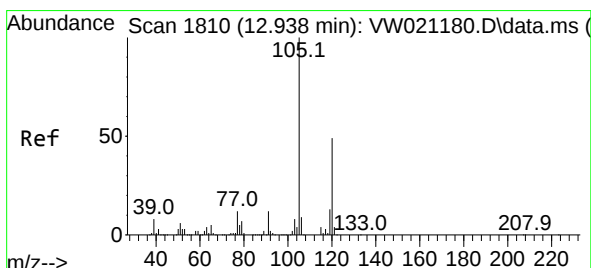
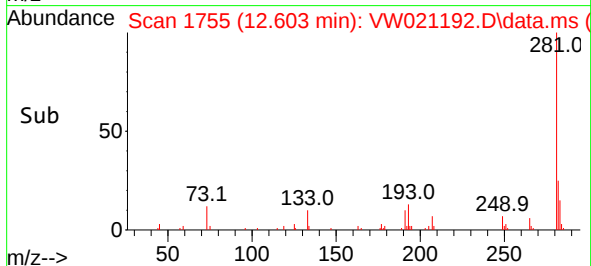
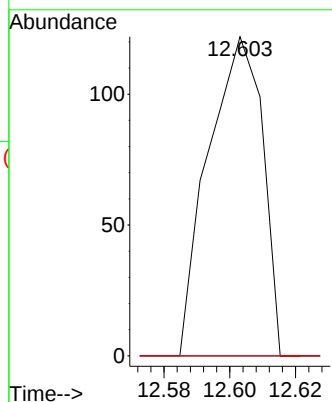
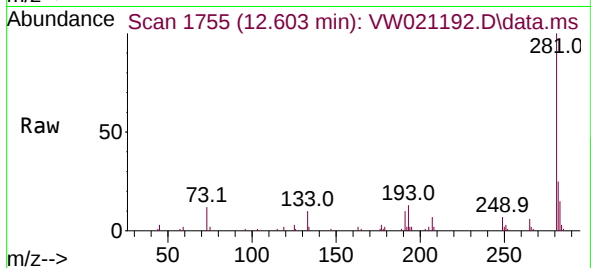
Instrument :

MSVOA_W

ClientSampleId :

EX8B2

Tgt Ion: 75	Resp: 140
Ion Ratio	Lower Upper
75 100	
77 603.6	25.8 38.8#
110 0.0	29.0 43.4#



#62

1,3,5-Trimethylbenzene

Concen: 1.211 ug/L

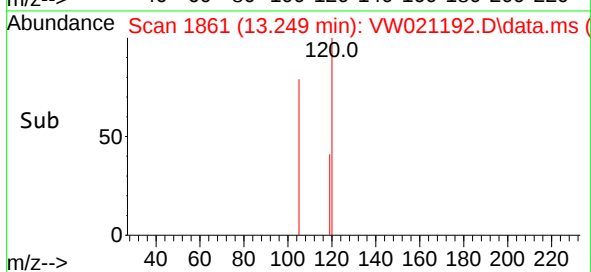
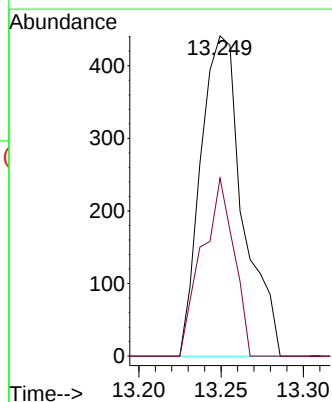
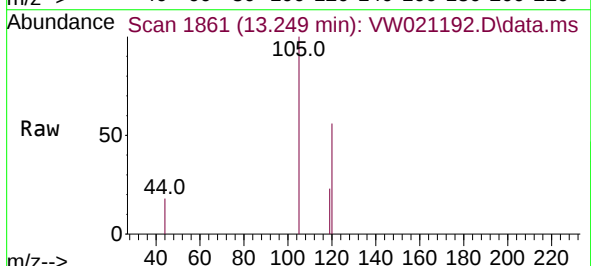
RT: 13.249 min Scan# 1861

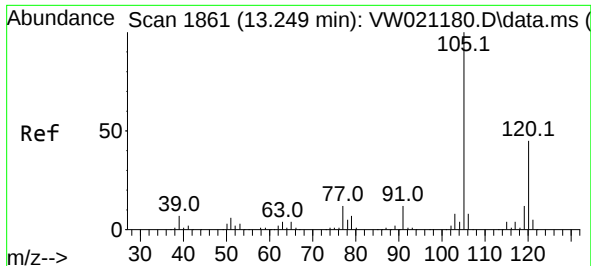
Delta R.T. 0.311 min

Lab File: VW021192.D

Acq: 07 Dec 2021 01:15

Tgt Ion: 105	Resp: 788
Ion Ratio	Lower Upper
105 100	
120 42.0	37.4 56.2

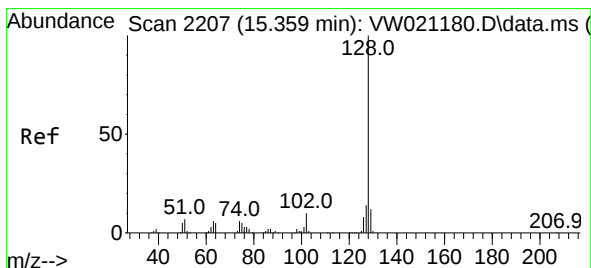
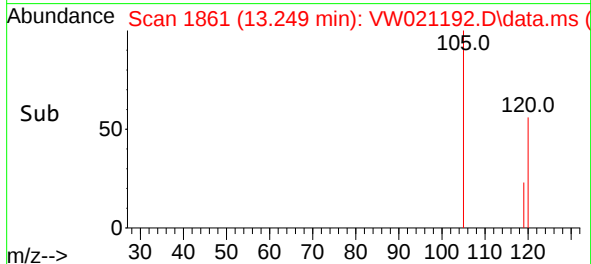
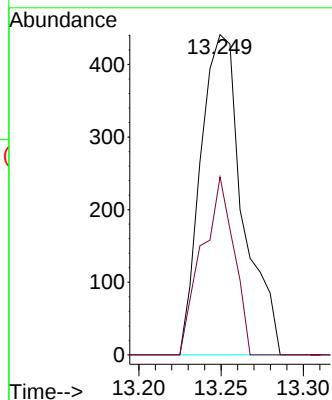
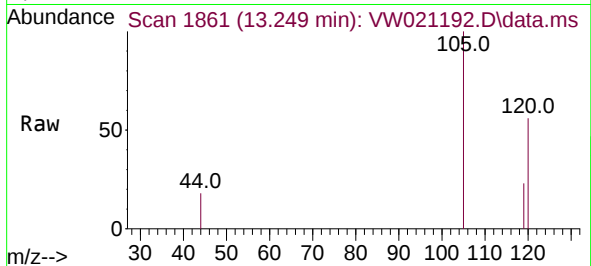




#63
1,2,4-Trimethylbenzene
Concen: 1.204 ug/L
RT: 13.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021192.D
Acq: 07 Dec 2021 01:15

Instrument :
MSVOA_W
ClientSampleId :
EX8B2

Tgt Ion:105 Resp: 788
Ion Ratio Lower Upper
105 100
120 42.0 35.0 52.6



#71
Naphthalene
Concen: 1.419 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.006 min
Lab File: VW021192.D
Acq: 07 Dec 2021 01:15

Tgt Ion:128 Resp: 583
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

