

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021099.D
 Acq On : 04 Dec 2021 06:03
 Operator : SY/VA
 Sample : M4883-11
 Misc : 3.45g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW9G7

Quant Time: Dec 04 06:59:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 04:50:24 2021
 Response via : Initial Calibration

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

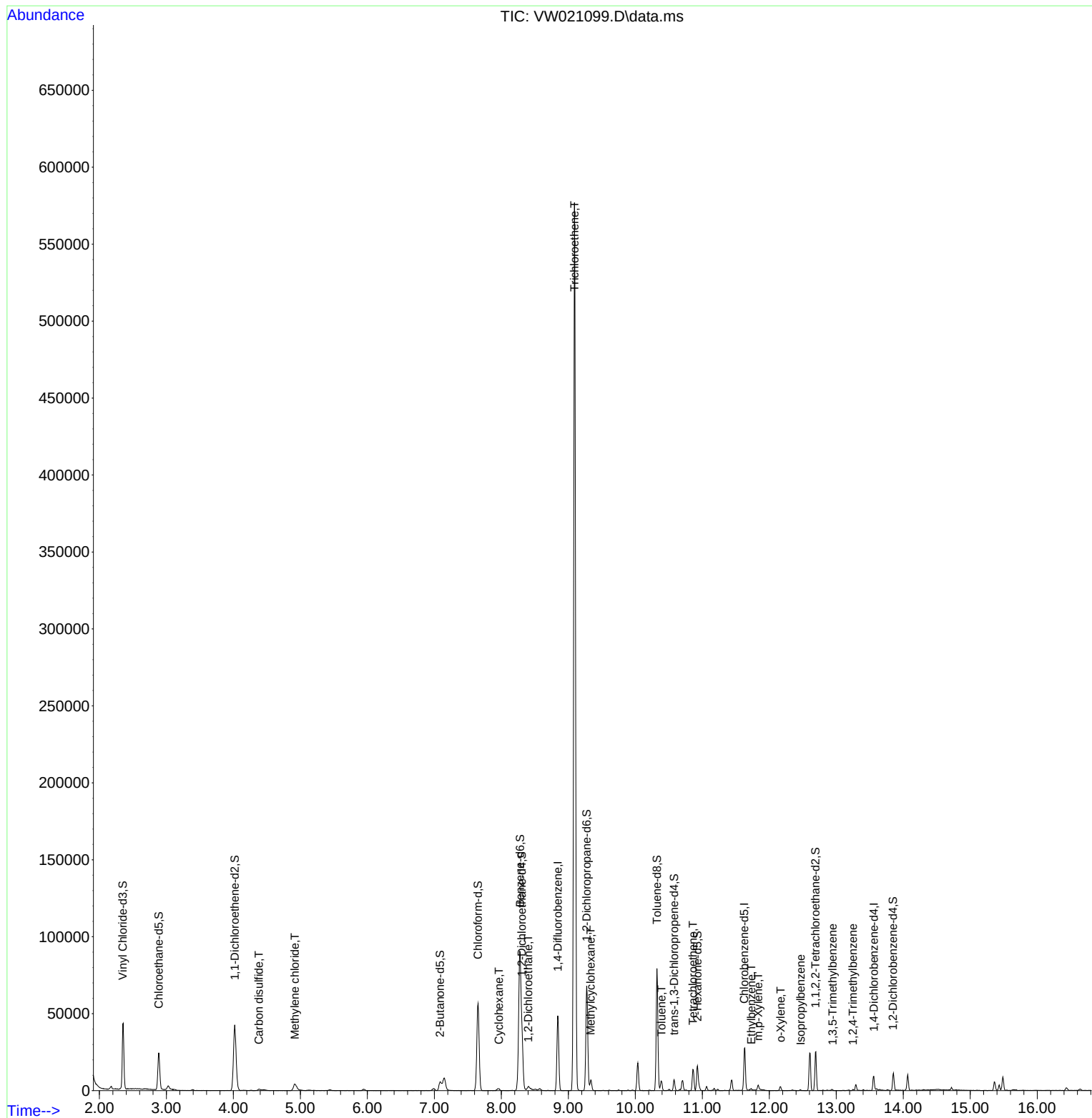
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	41356	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	15664	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	2670	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	40051	69.509	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 278.040%#	
7) Chloroethane-d5	2.885	69	26051	67.539	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 270.160%#	
11) 1,1-Dichloroethene-d2	4.019	63	38273	41.579	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 166.320%#	
21) 2-Butanone-d5	7.086	46	9624	73.226	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 146.460%#	
24) Chloroform-d	7.653	84	56102	54.168	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 216.680%#	
26) 1,2-Dichloroethane-d4	8.305	65	25451	44.918	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 179.680%#	
32) Benzene-d6	8.281	84	89922	112.274	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 449.080%#	
36) 1,2-Dichloropropane-d6	9.274	67	29196	131.175	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 524.720%#	
41) Toluene-d8	10.323	98	50839	61.905	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 247.640%#	
43) trans-1,3-Dichloroprop...	10.579	79	3579	35.413	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 141.640%#	
47) 2-Hexanone-d5	10.927	63	5142	120.750	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 241.500%#	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	11713	56.884	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 227.520%#	
66) 1,2-Dichlorobenzene-d4	13.847	152	2968	31.025	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 124.080%#	
Target Compounds						
						Qvalue
14) Carbon disulfide	4.379	76	1854	1.244	ug/L	# 77
16) Methylene chloride	4.915	84	3352	5.145	ug/L	# 73
27) 1,2-Dichloroethane	8.403	62	1663	2.499	ug/L	# 95
29) Cyclohexane	7.964	56	809	2.341	ug/L	# 81
34) Trichloroethene	9.092	95	180917	736.199	ug/L	89
35) Methylcyclohexane	9.335	83	2698	6.523	ug/L	88
42) Toluene	10.390	91	4967	4.882	ug/L	93
46) Tetrachloroethene	10.860	164	3367	14.963	ug/L	87
52) Ethylbenzene	11.731	91	684	0.597	ug/L	86
53) m,p-Xylene	11.835	106	938	1.980	ug/L	77
54) o-Xylene	12.170	106	824	1.845	ug/L	60
60) Isopropylbenzene	12.469	105	531	1.431	ug/L	# 92
62) 1,3,5-Trimethylbenzene	12.945	105	200	0.644	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	664	2.125	ug/L	97

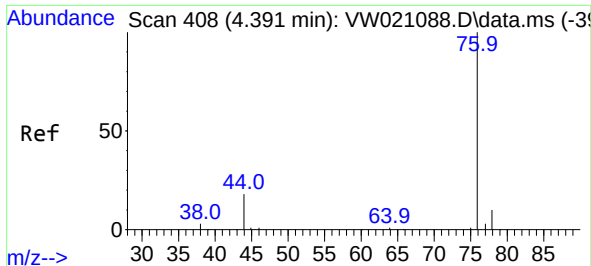
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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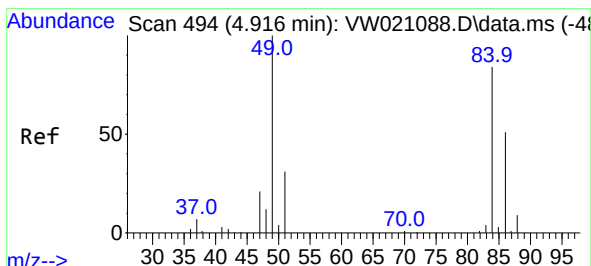
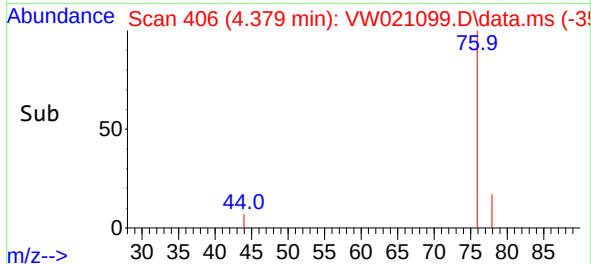
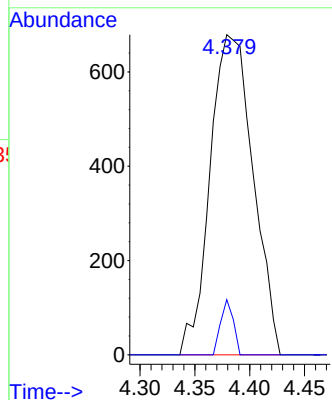
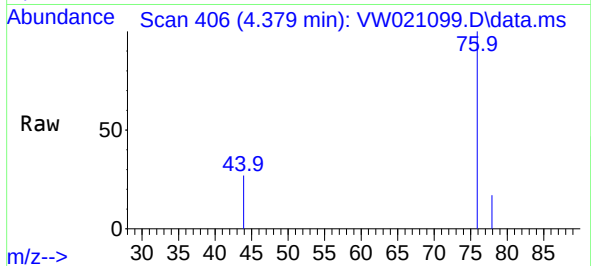




#14
Carbon disulfide
Concen: 1.244 ug/L
RT: 4.379 min Scan# 408
Delta R.T. -0.012 min
Lab File: VW021099.D
Acq: 04 Dec 2021 06:03

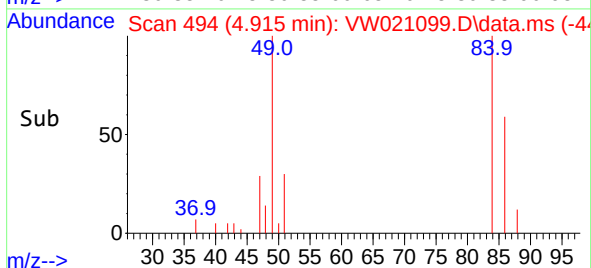
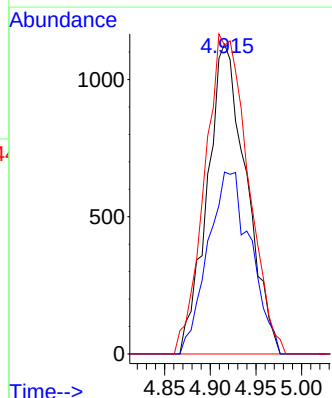
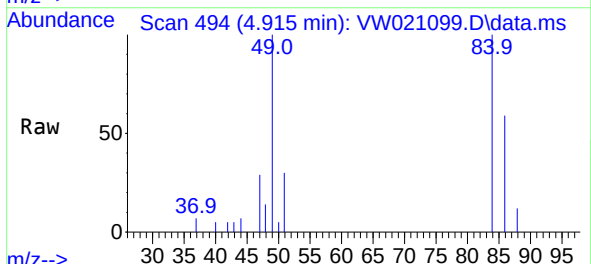
Instrument :
MSVOA_W
ClientSampleId :
EW9G7

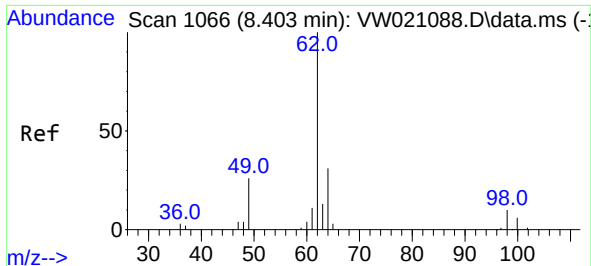
Tgt Ion: 76 Resp: 1854
Ion Ratio Lower Upper
76 100
78 17.2 7.1 10.7#



#16
Methylene chloride
Concen: 5.145 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW021099.D
Acq: 04 Dec 2021 06:03

Tgt Ion: 84 Resp: 3352
Ion Ratio Lower Upper
84 100
86 58.7 45.5 84.5
49 99.6 100.5 186.7#





#27

1,2-Dichloroethane

Concen: 2.499 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW021099.D

Acq: 04 Dec 2021 06:03

Instrument :

MSVOA_W

ClientSampleId :

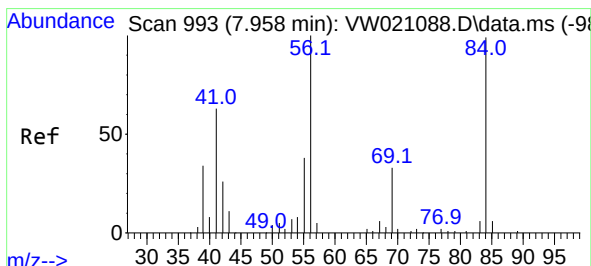
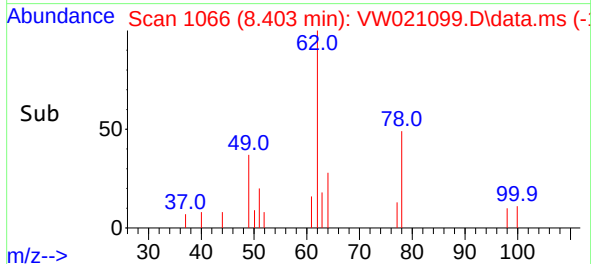
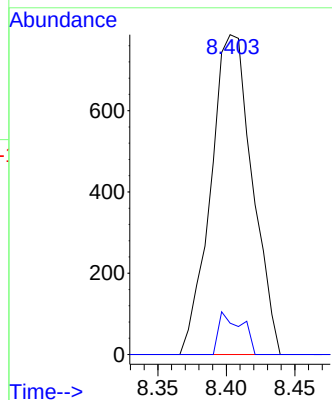
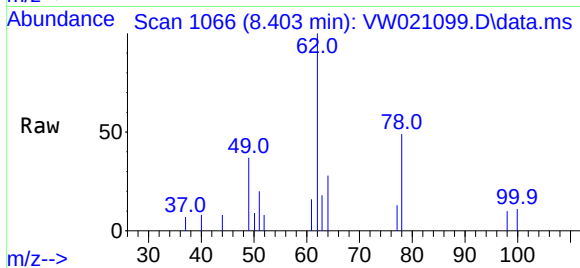
EW9G7

Tgt Ion: 62 Resp: 1663

Ion Ratio Lower Upper

62 100

98 9.8 6.5 9.7#



#29

Cyclohexane

Concen: 2.341 ug/L

RT: 7.964 min Scan# 994

Delta R.T. 0.006 min

Lab File: VW021099.D

Acq: 04 Dec 2021 06:03

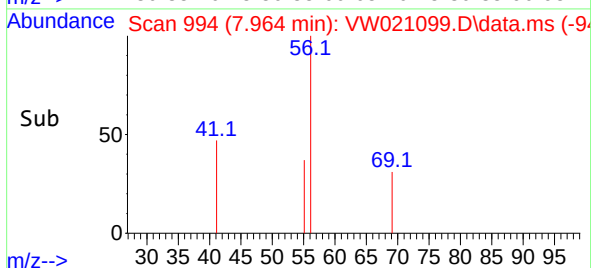
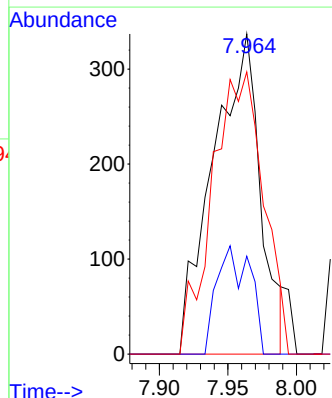
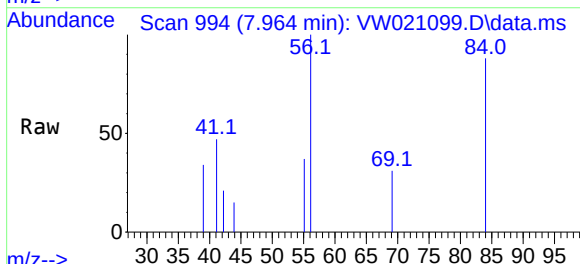
Tgt Ion: 56 Resp: 809

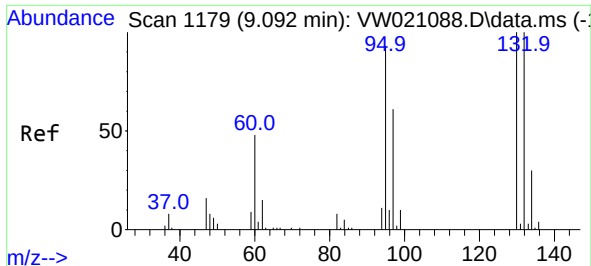
Ion Ratio Lower Upper

56 100

69 8.2 23.5 35.3#

84 89.2 63.4 95.2





#34

Trichloroethene

Concen: 736.199 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021099.D

Acq: 04 Dec 2021 06:03

Instrument :

MSVOA_W

ClientSampleId :

EW9G7

Tgt Ion: 95 Resp: 180917

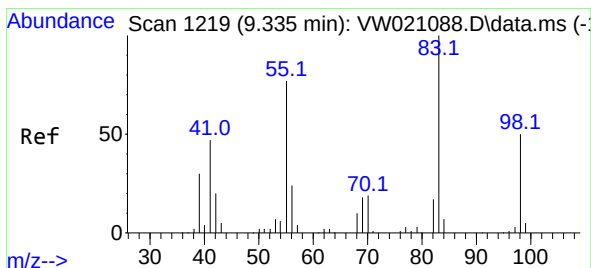
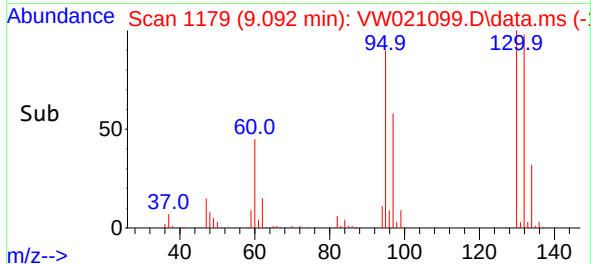
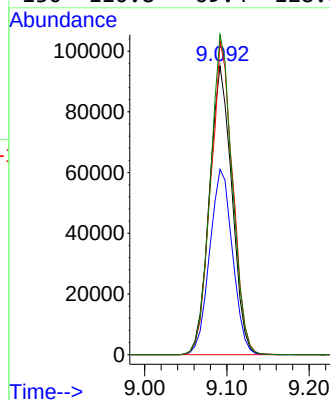
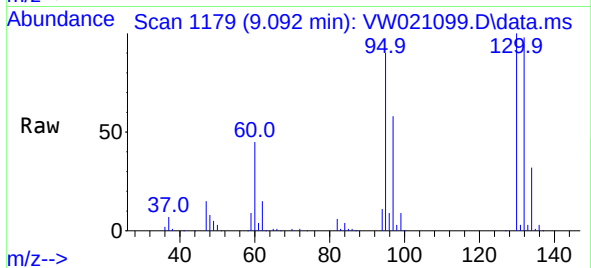
Ion Ratio Lower Upper

95 100

97 64.2 47.0 87.2

132 108.5 65.5 121.6

130 110.8 69.4 128.8



#35

Methylcyclohexane

Concen: 6.523 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021099.D

Acq: 04 Dec 2021 06:03

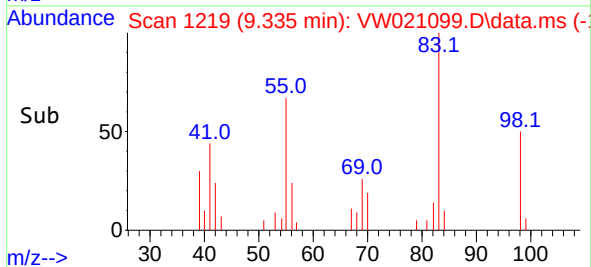
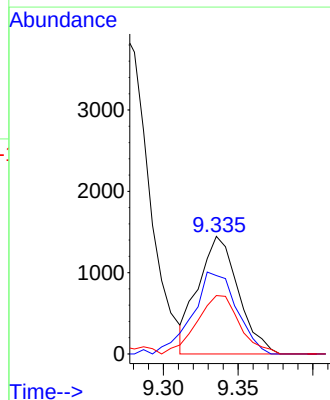
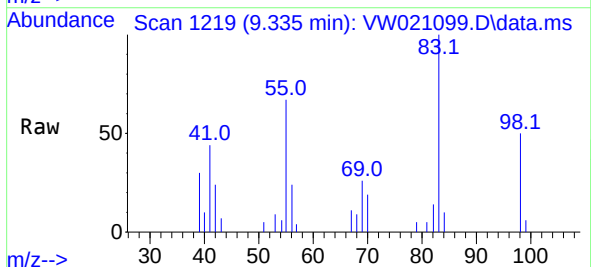
Tgt Ion: 83 Resp: 2698

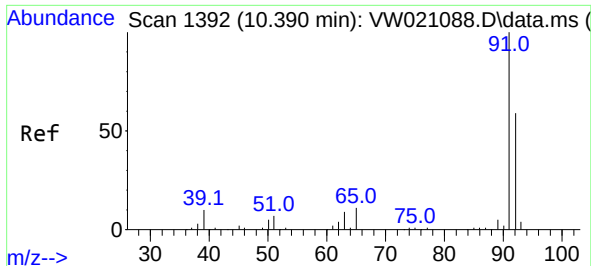
Ion Ratio Lower Upper

83 100

55 76.3 70.8 106.2

98 52.9 37.7 56.5

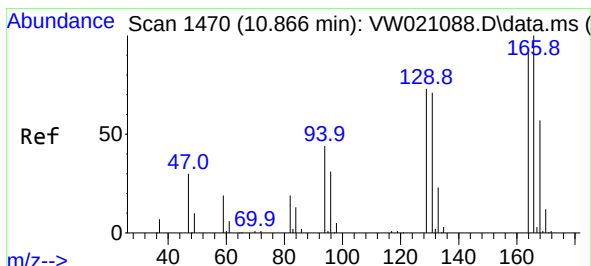
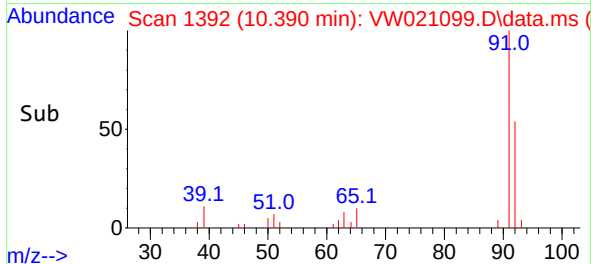
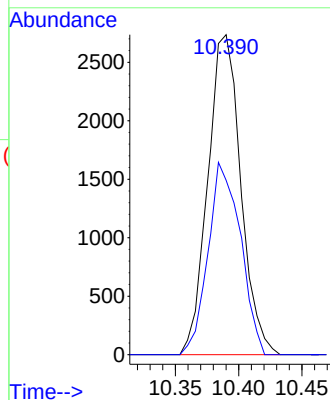
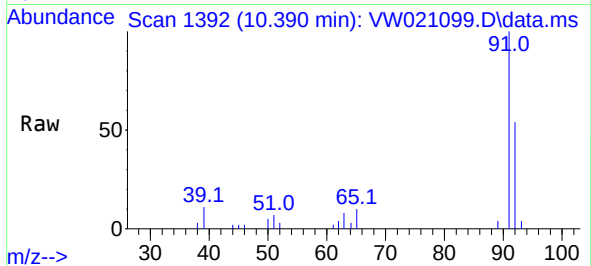




#42
Toluene
Concen: 4.882 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021099.D
Acq: 04 Dec 2021 06:03

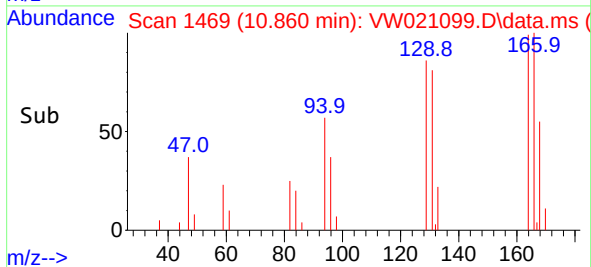
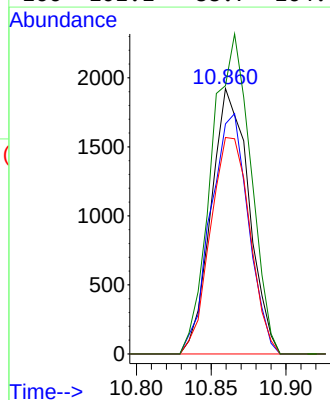
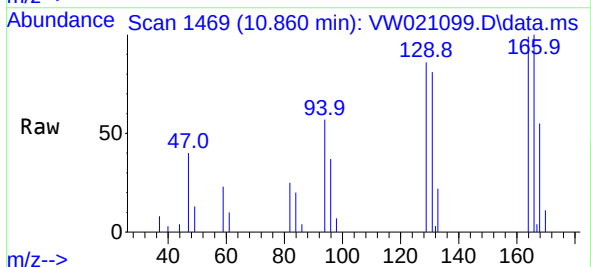
Instrument :
MSVOA_W
ClientSampleId :
EW9G7

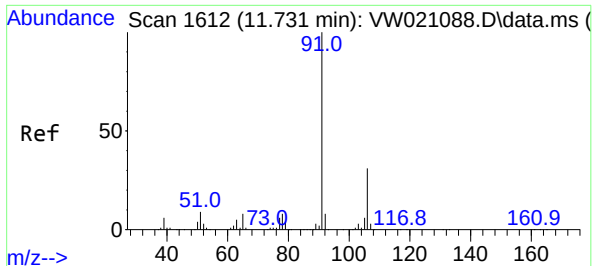
Tgt Ion: 91 Resp: 4967
Ion Ratio Lower Upper
91 100
92 54.5 41.7 77.5



#46
Tetrachloroethene
Concen: 14.963 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW021099.D
Acq: 04 Dec 2021 06:03

Tgt Ion:164 Resp: 3367
Ion Ratio Lower Upper
164 100
129 86.6 65.5 121.7
131 81.5 59.7 110.9
166 101.1 88.7 164.7





#52

Ethylbenzene

Concen: 0.597 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021099.D

Acq: 04 Dec 2021 06:03

Instrument :

MSVOA_W

ClientSampleId :

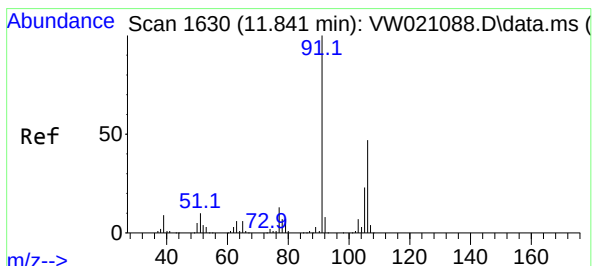
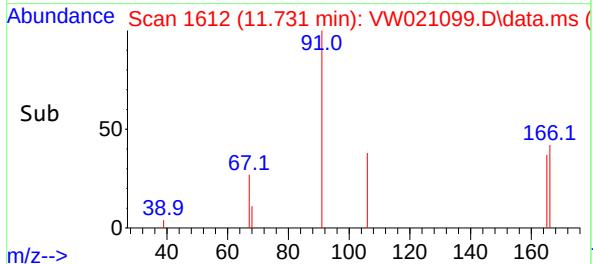
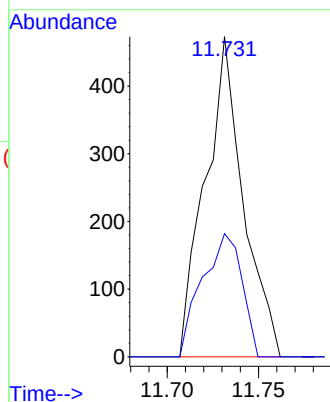
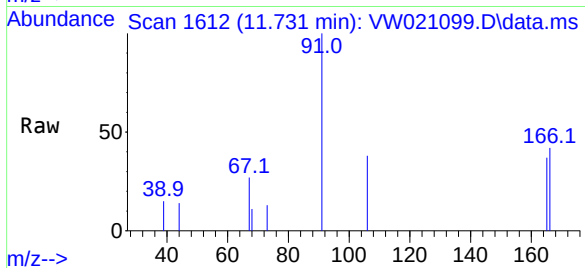
EW9G7

Tgt Ion: 91 Resp: 684

Ion Ratio Lower Upper

91 100

106 38.5 21.5 39.9



#53

m,p-Xylene

Concen: 1.980 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW021099.D

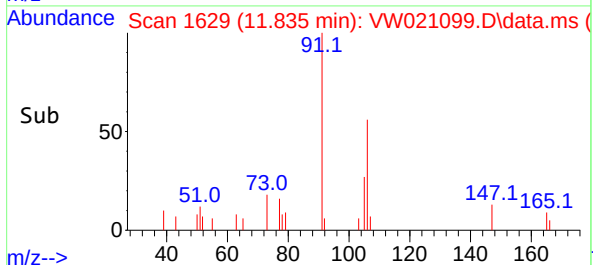
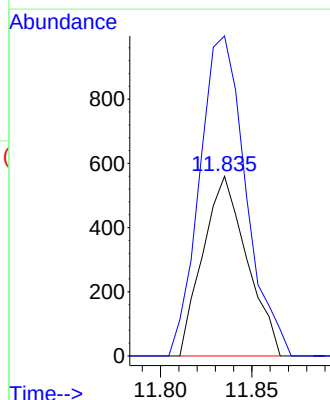
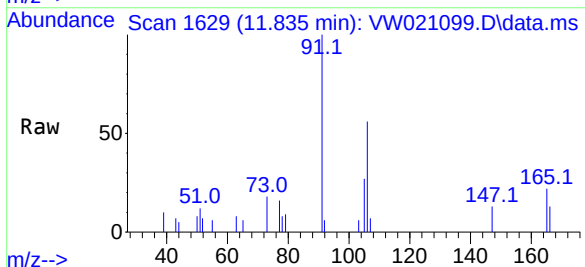
Acq: 04 Dec 2021 06:03

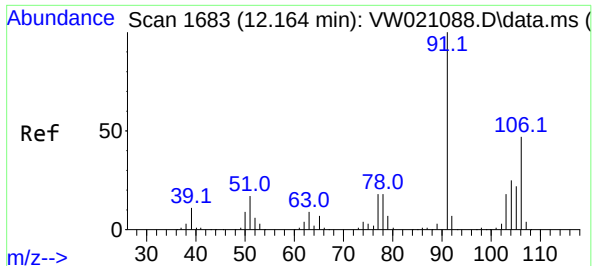
Tgt Ion: 106 Resp: 938

Ion Ratio Lower Upper

106 100

91 178.0 149.9 278.3





#54

o-Xylene

Concen: 1.845 ug/L

RT: 12.170 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021099.D

Acq: 04 Dec 2021 06:03

Instrument :

MSVOA_W

ClientSampleId :

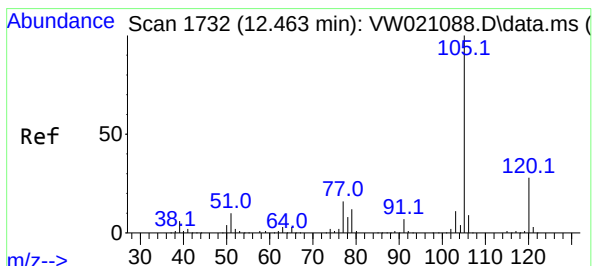
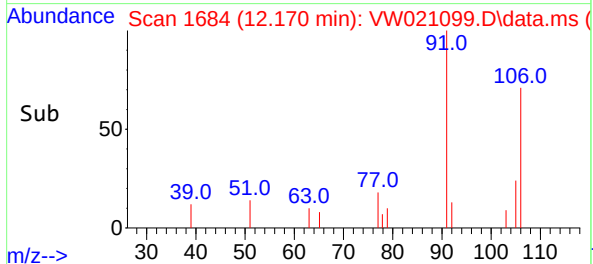
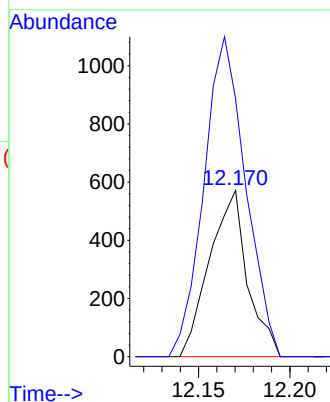
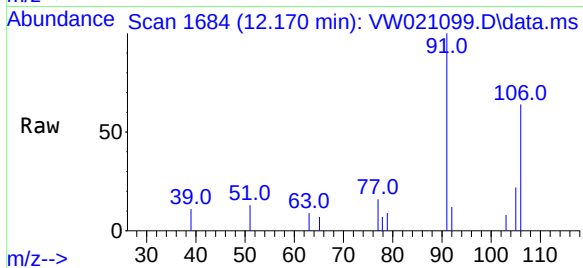
EW9G7

Tgt Ion:106 Resp: 824

Ion Ratio Lower Upper

106 100

91 155.1 153.6 285.3



#60

Isopropylbenzene

Concen: 1.431 ug/L

RT: 12.469 min Scan# 1733

Delta R.T. 0.006 min

Lab File: VW021099.D

Acq: 04 Dec 2021 06:03

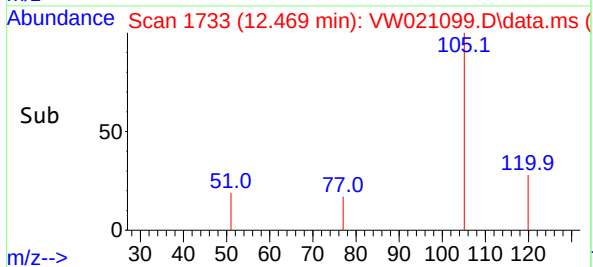
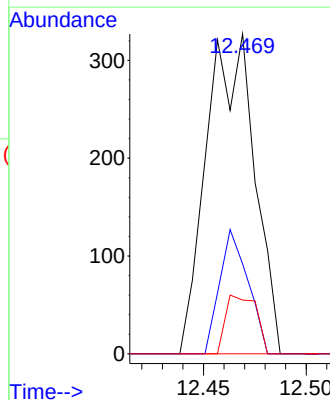
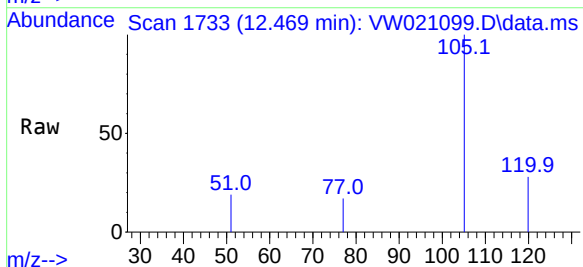
Tgt Ion:105 Resp: 531

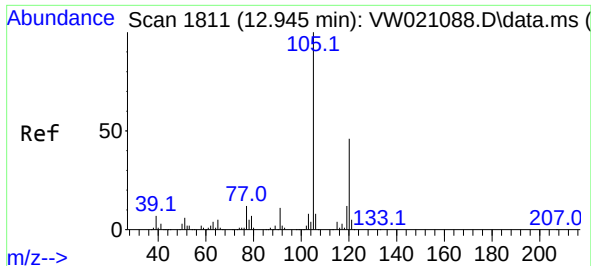
Ion Ratio Lower Upper

105 100

120 23.0 20.1 30.1

77 11.7 13.8 20.8#





#62

1,3,5-Trimethylbenzene

Concen: 0.644 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. -0.000 min

Lab File: VW021099.D

Acq: 04 Dec 2021 06:03

Instrument :

MSVOA_W

ClientSampleId :

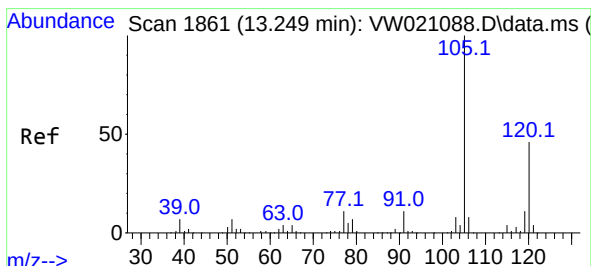
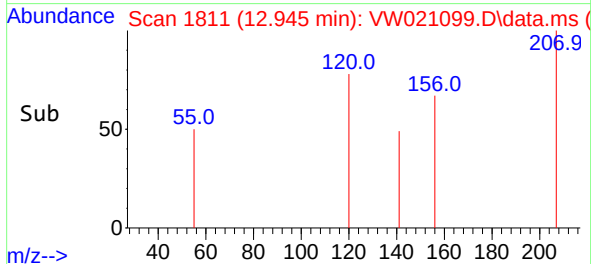
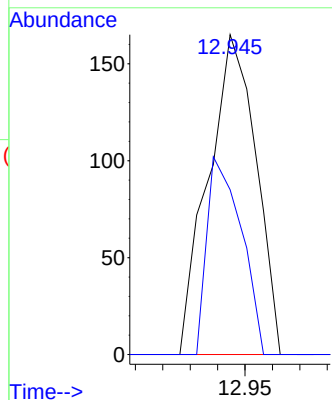
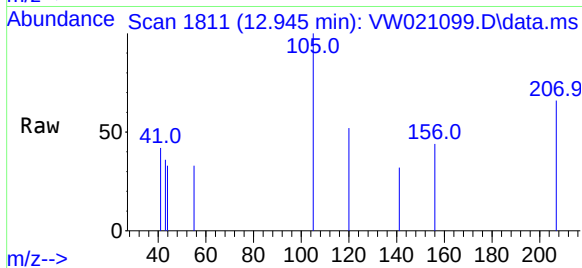
EW9G7

Tgt Ion:105 Resp: 200

Ion Ratio Lower Upper

105 100

120 44.5 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 2.125 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021099.D

Acq: 04 Dec 2021 06:03

Tgt Ion:105 Resp: 664

Ion Ratio Lower Upper

105 100

120 41.9 35.0 52.6

