

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021131.D
 Acq On : 04 Dec 2021 20:28
 Operator : SY/VA
 Sample : M4885-20
 Misc : 5.16g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW9M5

Quant Time: Dec 06 00:51:28 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)

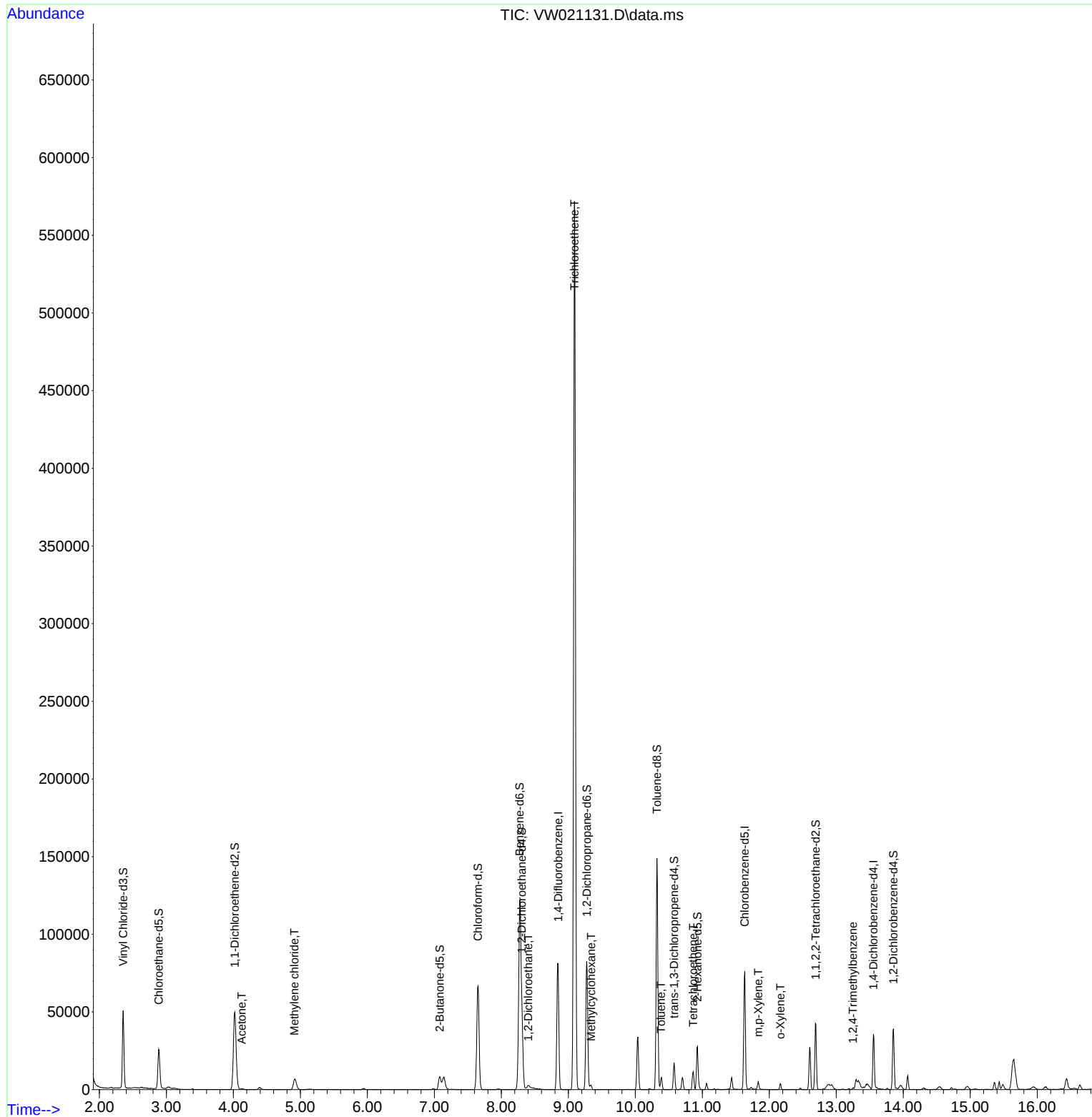
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	72633	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	43502	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	9817	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	45732	45.191	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 180.760%#	
7) Chloroethane-d5	2.886	69	29084	42.933	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 171.720%#	
11) 1,1-Dichloroethene-d2	4.019	63	46581	28.813	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 115.240%#	
21) 2-Butanone-d5	7.080	46	13992	60.617	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 121.240%	
24) Chloroform-d	7.653	84	66056	36.315	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 145.240%	
26) 1,2-Dichloroethane-d4	8.305	65	33763	33.928	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 135.720%#	
32) Benzene-d6	8.275	84	121803	54.760	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 219.040%#	
36) 1,2-Dichloropropane-d6	9.275	67	34994	56.613	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 226.440%#	
41) Toluene-d8	10.323	98	96994	42.527	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 170.120%#	
43) trans-1,3-Dichloroprop...	10.579	79	8700	30.997	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 124.000%	
47) 2-Hexanone-d5	10.927	63	9240	78.130	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 156.260%#	
56) 1,1,2,2-Tetrachloroeth...	12.695	84	19216	33.603	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 134.400%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	10674	30.346	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 121.400%#	
Target Compounds						Qvalue
13) Acetone	4.123	43	1241	5.902	ug/L	89
16) Methylene chloride	4.910	84	5393	4.713	ug/L	75
27) 1,2-Dichloroethane	8.403	62	1591	1.361	ug/L	# 81
34) Trichloroethene	9.092	95	185309	271.522	ug/L	91
35) Methylcyclohexane	9.342	83	1226	1.067	ug/L	86
42) Toluene	10.384	91	5945	2.104	ug/L	96
46) Tetrachloroethene	10.866	164	2615	4.184	ug/L	97
53) m,p-Xylene	11.835	106	1382	1.050	ug/L	97
54) o-Xylene	12.164	106	1064	0.858	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	855	0.744	ug/L	99

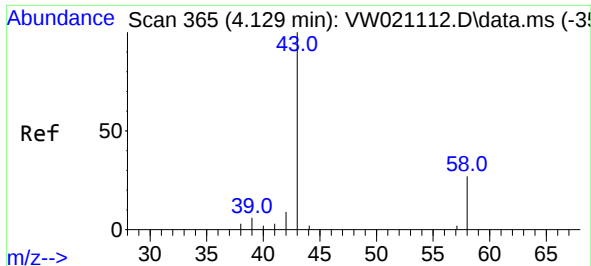
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Sat Dec 04 04:50:24 2021
Response via : Initial Calibration





#13

Acetone

Concen: 5.902 ug/L

RT: 4.123 min Scan# 3

Delta R.T. -0.012 min

Lab File: VW021131.D

Acq: 04 Dec 2021 20:28

Instrument :

MSVOA_W

ClientSampleId :

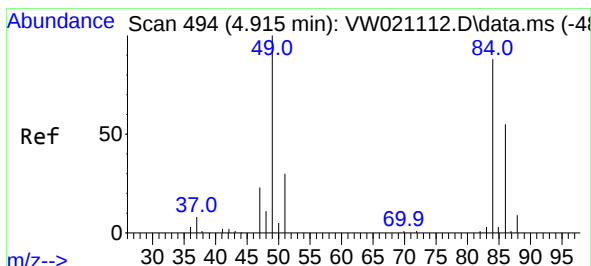
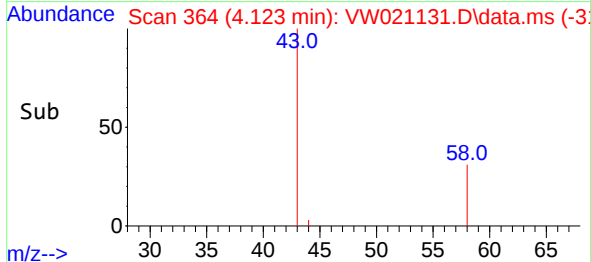
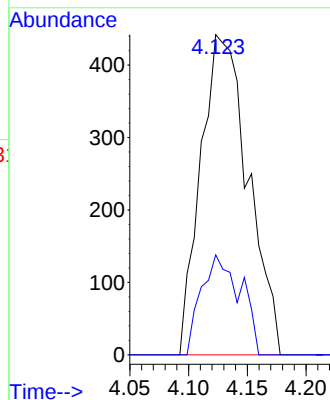
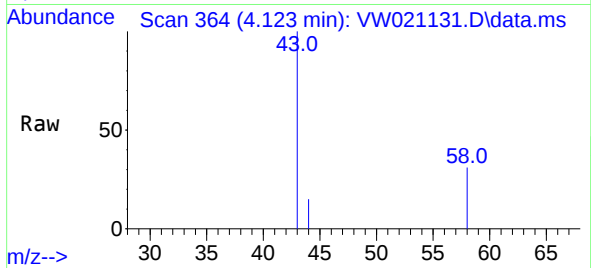
EW9M5

Tgt Ion: 43 Resp: 1241

Ion Ratio Lower Upper

43 100

58 20.6 0.0 52.8



#16

Methylene chloride

Concen: 4.713 ug/L

RT: 4.910 min Scan# 493

Delta R.T. -0.006 min

Lab File: VW021131.D

Acq: 04 Dec 2021 20:28

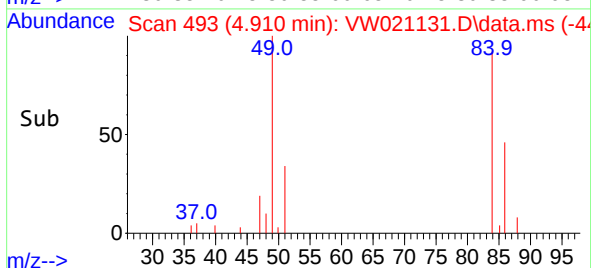
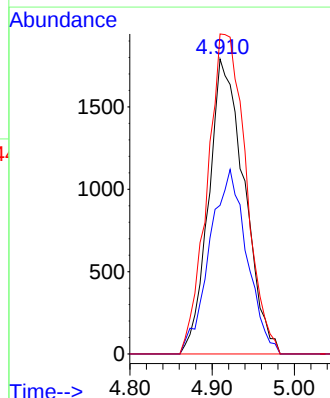
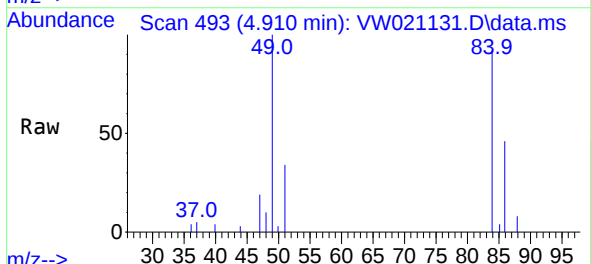
Tgt Ion: 84 Resp: 5393

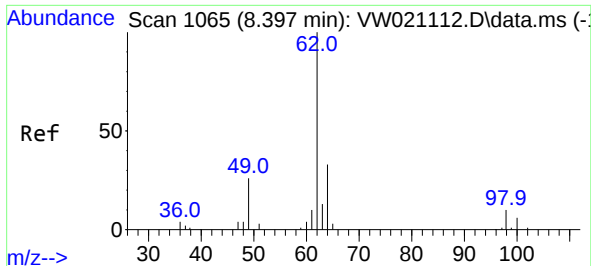
Ion Ratio Lower Upper

84 100

86 50.4 45.5 84.5

49 108.5 100.5 186.7





#27

1,2-Dichloroethane

Concen: 1.361 ug/L

RT: 8.403 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VW021131.D

Acq: 04 Dec 2021 20:28

Instrument :

MSVOA_W

ClientSampleId :

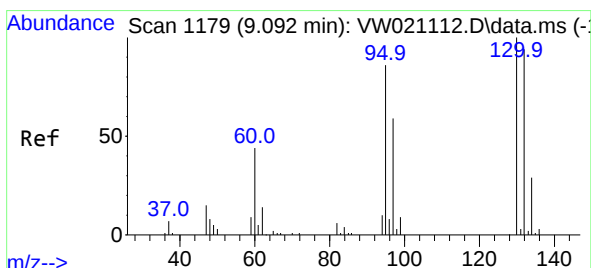
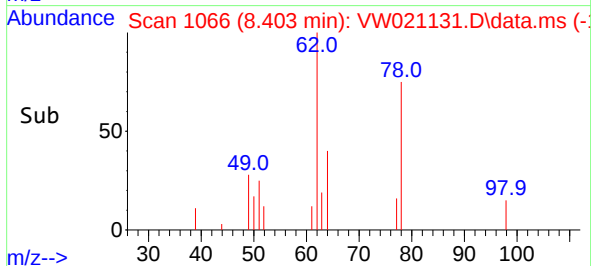
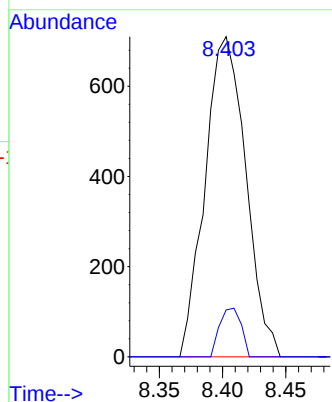
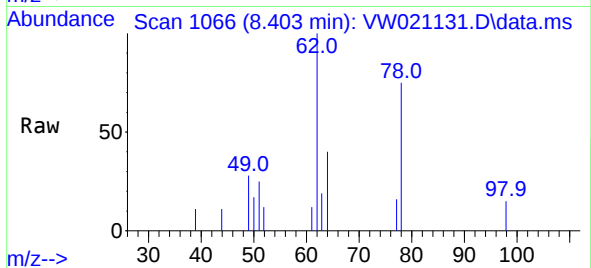
EW9M5

Tgt Ion: 62 Resp: 1591

Ion Ratio Lower Upper

62 100

98 14.6 6.5 9.7#



#34

Trichloroethene

Concen: 271.522 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW021131.D

Acq: 04 Dec 2021 20:28

Tgt Ion: 95 Resp: 185309

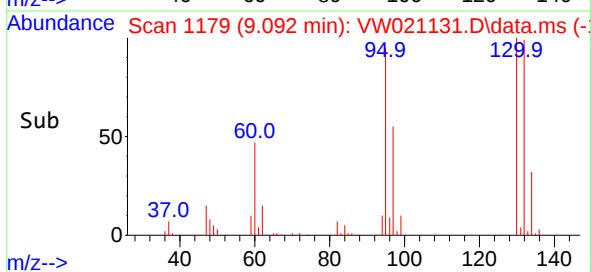
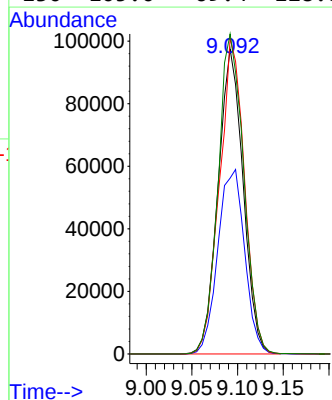
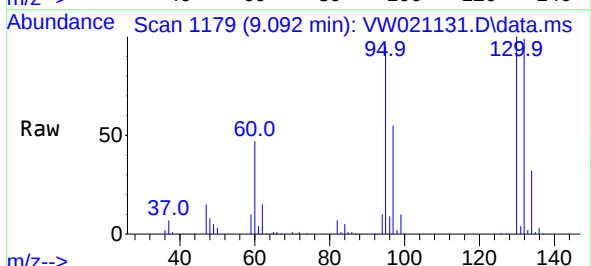
Ion Ratio Lower Upper

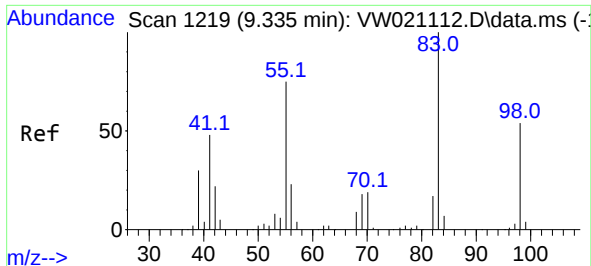
95 100

97 57.7 47.0 87.2

132 103.5 65.5 121.6

130 105.0 69.4 128.8





#35

Methylcyclohexane

Concen: 1.067 ug/L

RT: 9.342 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW021131.D

Acq: 04 Dec 2021 20:28

Instrument :

MSVOA_W

ClientSampleId :

EW9M5

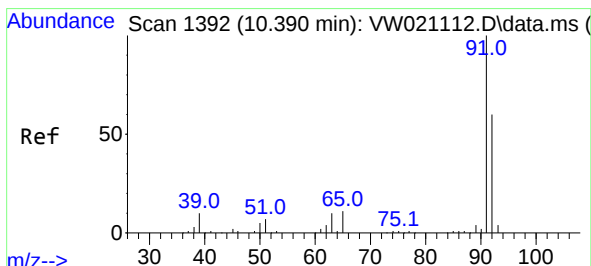
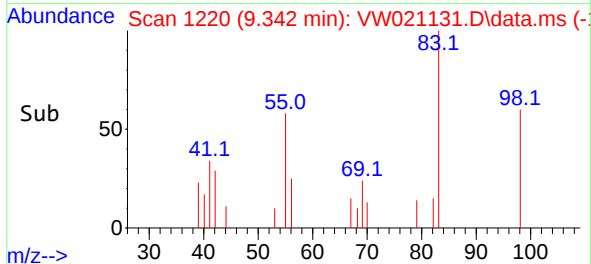
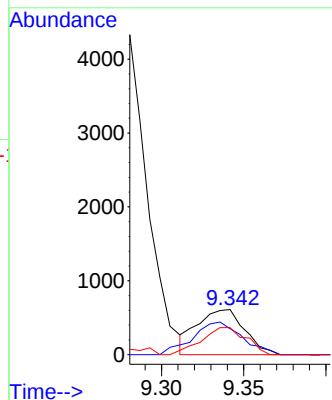
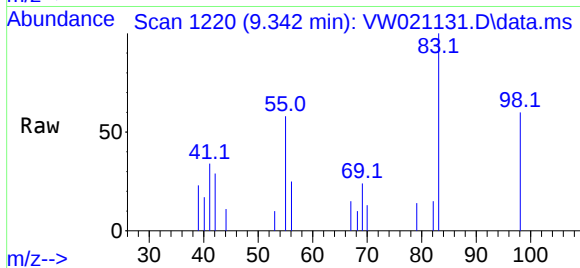
Tgt Ion: 83 Resp: 1226

Ion Ratio Lower Upper

83 100

55 75.0 70.8 106.2

98 56.1 37.7 56.5



#42

Toluene

Concen: 2.104 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.006 min

Lab File: VW021131.D

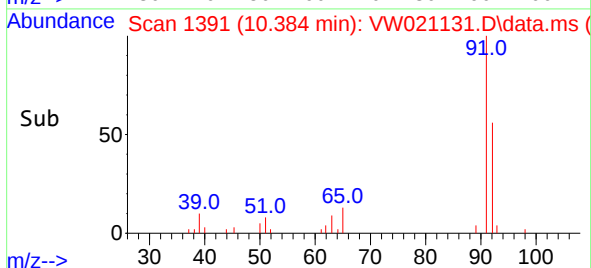
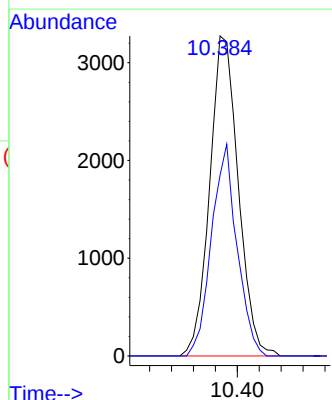
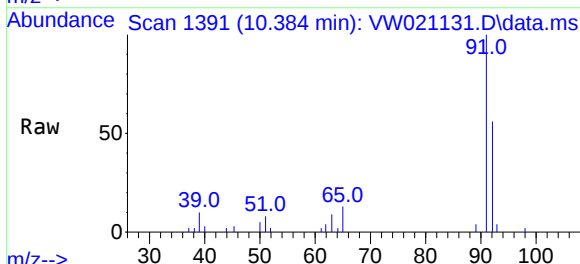
Acq: 04 Dec 2021 20:28

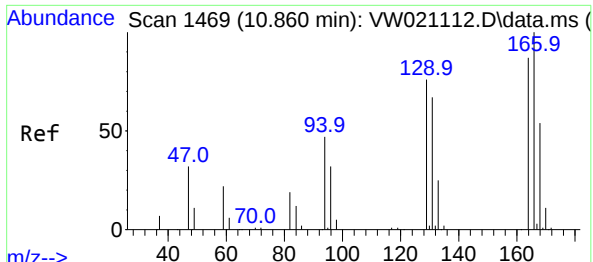
Tgt Ion: 91 Resp: 5945

Ion Ratio Lower Upper

91 100

92 56.5 41.7 77.5

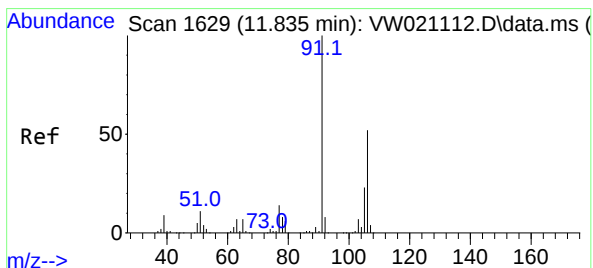
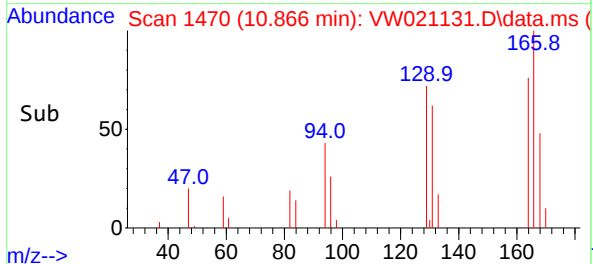
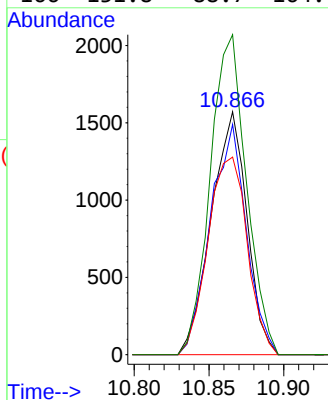
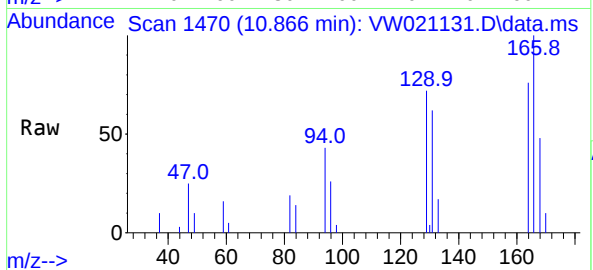




#46
Tetrachloroethene
Concen: 4.184 ug/L
RT: 10.866 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

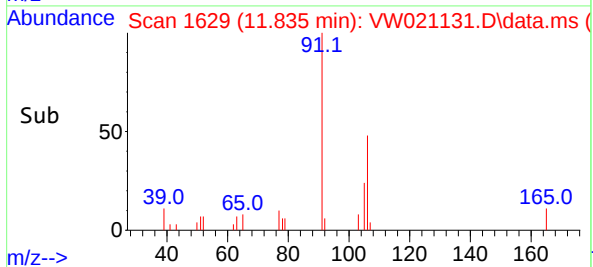
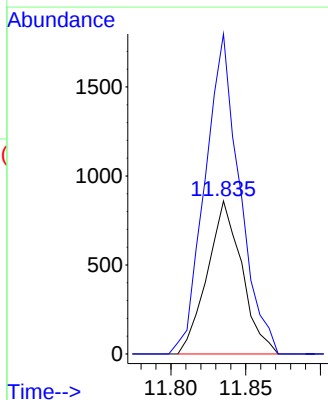
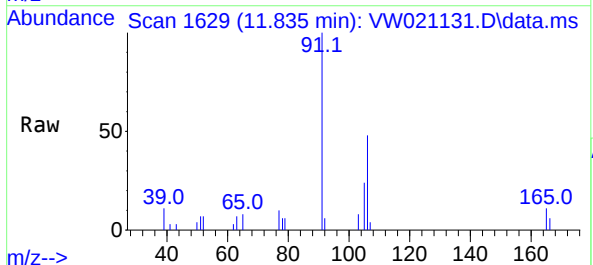
Instrument :
MSVOA_W
ClientSampleId :
EW9M5

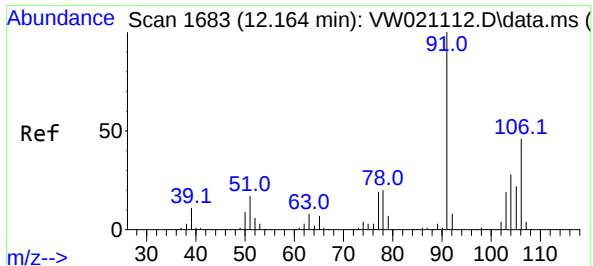
Tgt Ion:164 Resp: 2615
Ion Ratio Lower Upper
164 100
129 94.8 65.5 121.7
131 81.3 59.7 110.9
166 131.8 88.7 164.7



#53
m,p-Xylene
Concen: 1.050 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

Tgt Ion:106 Resp: 1382
Ion Ratio Lower Upper
106 100
91 209.3 149.9 278.3

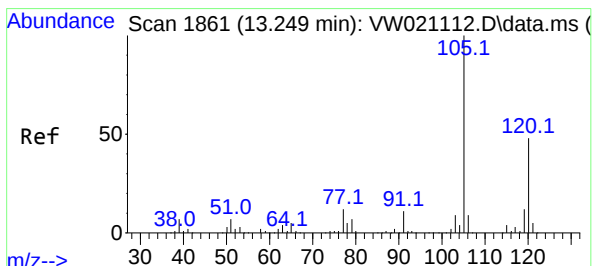
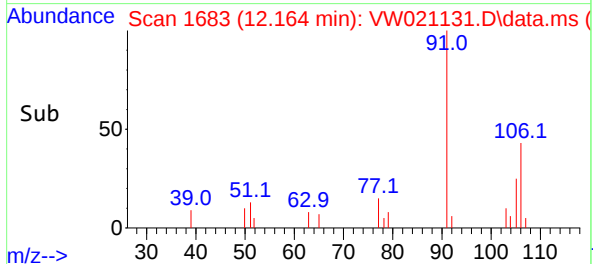
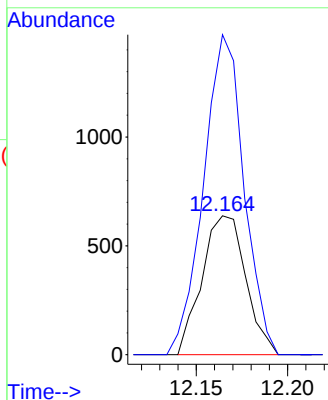
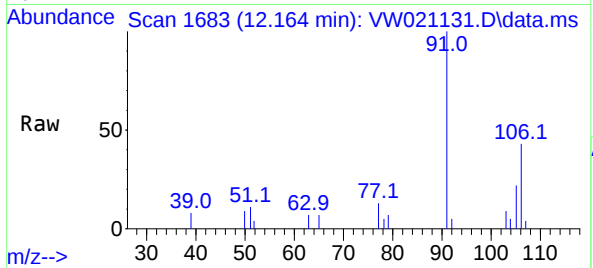




#54
o-Xylene
Concen: 0.858 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion:106 Resp: 1064
Ion Ratio Lower Upper
106 100
91 230.4 153.6 285.3



#63
1,2,4-Trimethylbenzene
Concen: 0.744 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

Tgt Ion:105 Resp: 855
Ion Ratio Lower Upper
105 100
120 44.6 35.0 52.6

