

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042321\
 Data File : VW018769.D
 Acq On : 23 Apr 2021 19:45
 Operator : SY/VA
 Sample : M2165-18
 Misc : 6.52G/10ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 24 00:20:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Apr 24 00:16:05 2021
 Response via : Initial Calibration

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

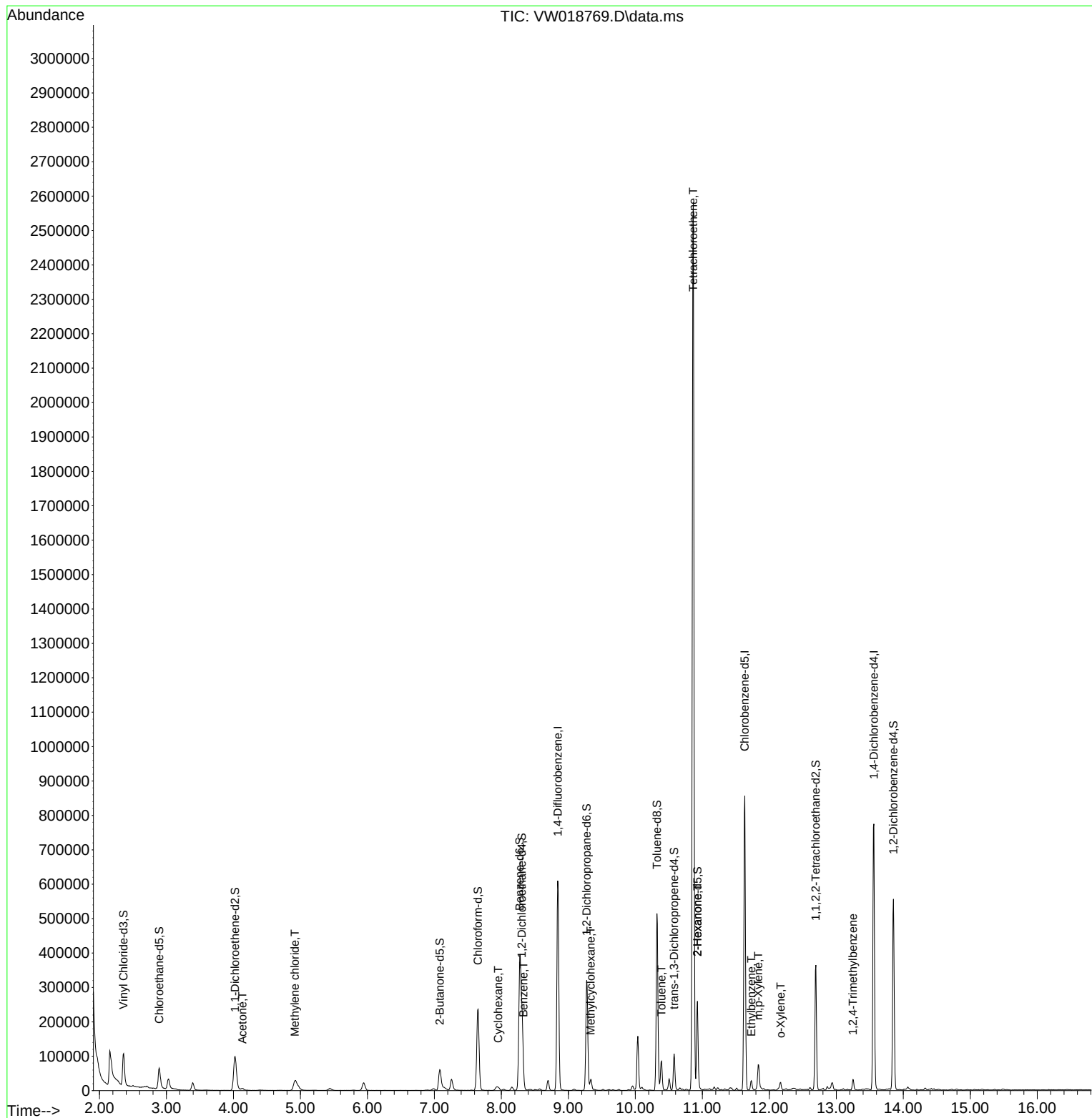
Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	514572	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	457291	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	196983	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	79401	10.15	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	40.60%		
7) Chloroethane-d5	2.891	69	76680	11.06	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	44.24%		
11) 1,1-Dichloroethene-d2	4.025	63	110551	8.14	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	32.56%#		
21) 2-Butanone-d5	7.080	46	102779	57.74	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	115.48%		
24) Chloroform-d	7.653	84	241778	17.12	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	68.48%		
26) 1,2-Dichloroethane-d4	8.305	65	154739	19.49	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	77.96%		
32) Benzene-d6	8.274	84	406433	15.15	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	60.60%		
36) 1,2-Dichloropropane-d6	9.274	67	153423	18.98	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	75.92%		
41) Toluene-d8	10.323	98	332608	13.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	54.24%		
43) trans-1,3-Dichloroprop...	10.579	79	57436	16.69	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	66.76%		
47) 2-Hexanone-d5	10.926	63	89733	63.83	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	127.66%		
56) 1,1,2,2-Tetrachloroeth...	12.694	84	175360	25.97	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	103.88%		
66) 1,2-Dichlorobenzene-d4	13.853	152	140318	20.28	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	81.12%		
Target Compounds					Qvalue	
13) Acetone	4.135	43	5046	3.91	ug/L #	34
16) Methylene chloride	4.915	84	23866	2.83	ug/L	90
29) Cyclohexane	7.951	56	5849	0.52	ug/L #	64
33) Benzene	8.329	78	23184	0.81	ug/L	100
35) Methylcyclohexane	9.335	83	10972	0.85	ug/L	90
42) Toluene	10.390	91	63084	2.05	ug/L	98
46) Tetrachloroethene	10.865	164	580137	111.05	ug/L	96
48) 2-Hexanone	10.926	43	12408	4.39	ug/L #	62
52) Ethylbenzene	11.731	91	18913	0.56	ug/L	99
53) m,p-Xylene	11.835	106	17569	1.41	ug/L	95
54) o-Xylene	12.170	106	5641	0.47	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	17975	0.75	ug/L	93

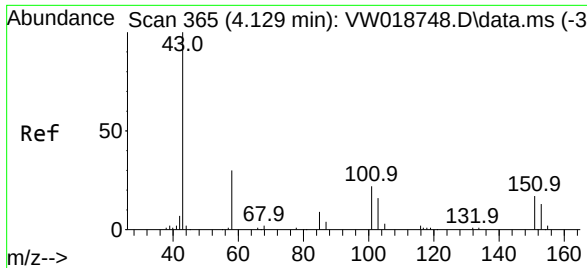
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#13

Acetone

Concen: 3.91 ug/L

RT: 4.135 min Scan# 366

Delta R.T. 0.006 min

Lab File: VW018769.D

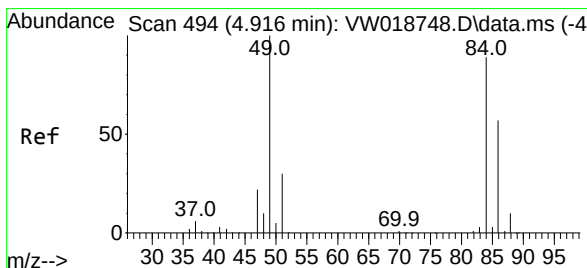
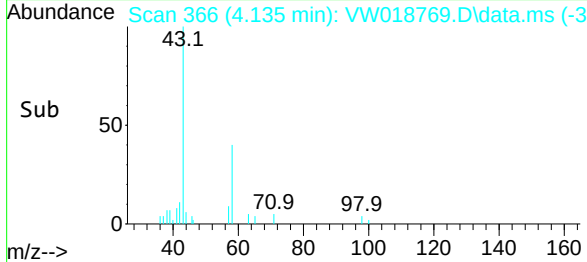
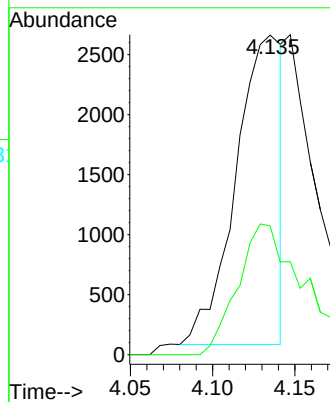
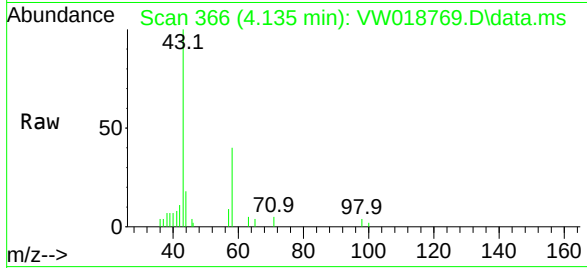
Acq: 23 Apr 2021 19:45

Tgt Ion: 43 Resp: 5046

Ion Ratio Lower Upper

43 100

58 61.2 0.0 53.8#



#16

Methylene chloride

Concen: 2.83 ug/L

RT: 4.915 min Scan# 494

Delta R.T. -0.000 min

Lab File: VW018769.D

Acq: 23 Apr 2021 19:45

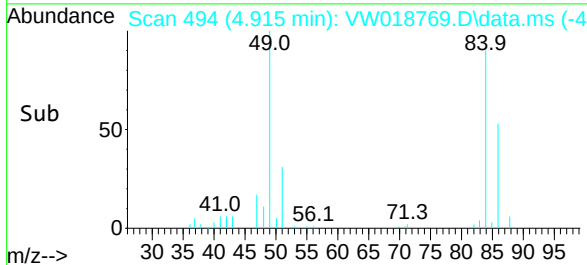
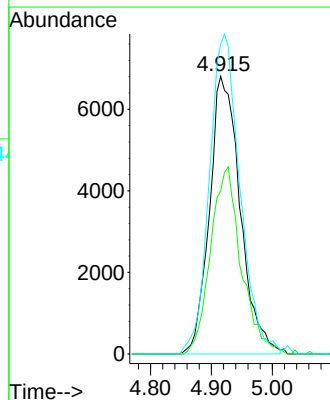
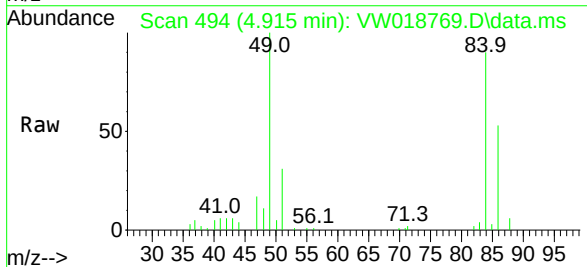
Tgt Ion: 84 Resp: 23866

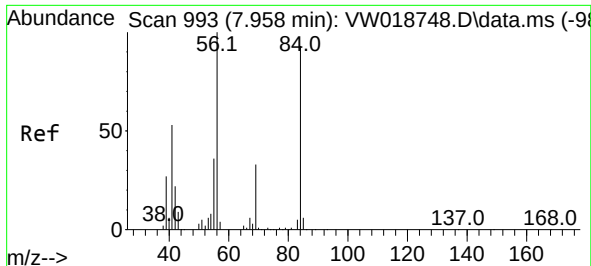
Ion Ratio Lower Upper

84 100

86 58.7 45.3 84.1

49 111.6 86.6 160.8





#29

Cyclohexane

Concen: 0.52 ug/L

RT: 7.951 min Scan# 992

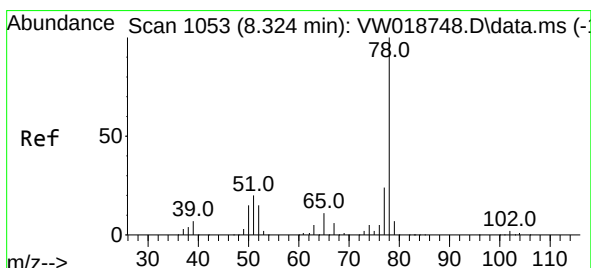
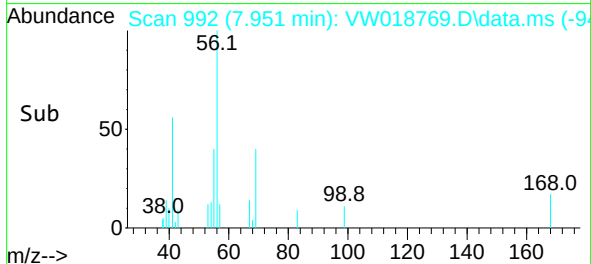
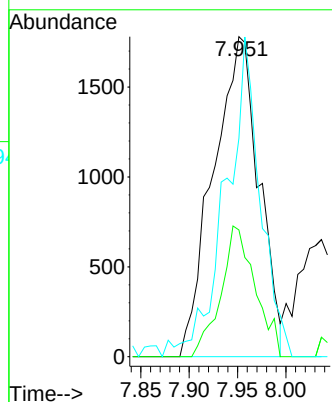
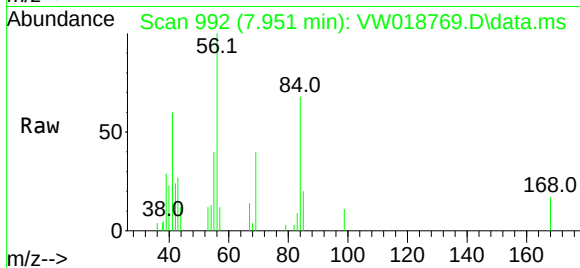
Delta R.T. -0.006 min

Lab File: VW018769.D

Acq: 23 Apr 2021 19:45

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 56	Resp: 5849
Ion Ratio	Lower Upper
56	100
69	30.7 24.5 36.7
84	47.4 75.0 112.4#



#33

Benzene

Concen: 0.81 ug/L

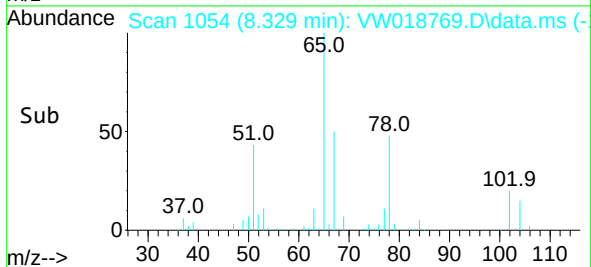
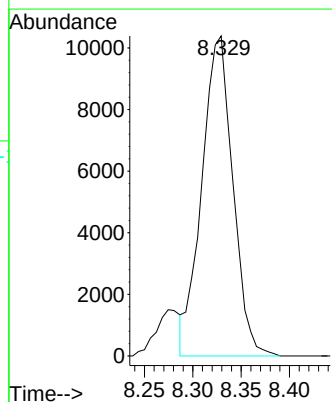
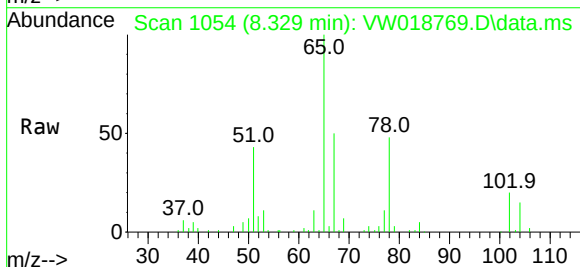
RT: 8.329 min Scan# 1054

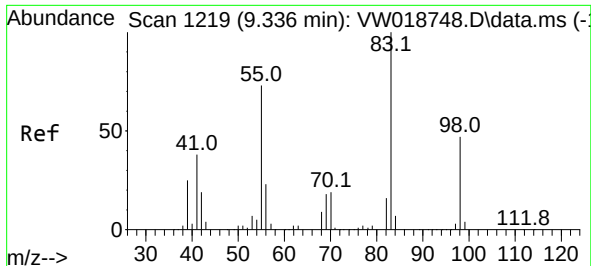
Delta R.T. 0.006 min

Lab File: VW018769.D

Acq: 23 Apr 2021 19:45

Tgt Ion: 78 Resp: 23184





#35

Methylcyclohexane

Concen: 0.85 ug/L

RT: 9.335 min Scan# 1219

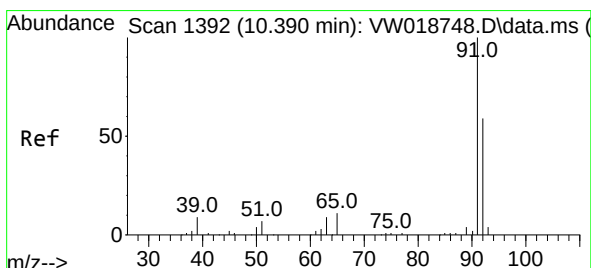
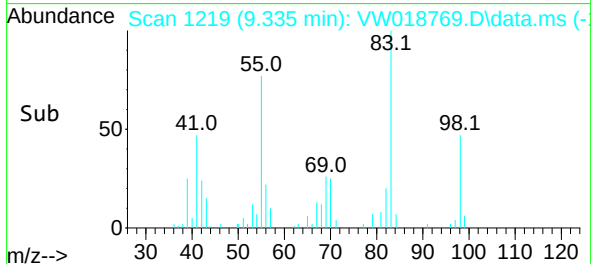
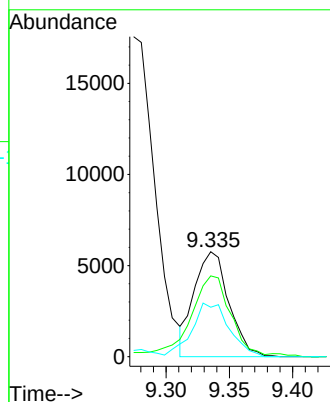
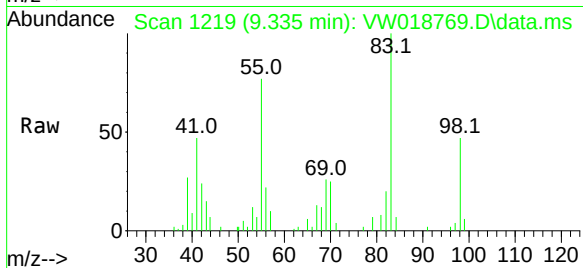
Delta R.T. -0.000 min

Lab File: VW018769.D

Acq: 23 Apr 2021 19:45

Tgt Ion: 83 Resp: 10972

Ion	Ratio	Lower	Upper
83	100		
55	83.6	58.9	88.3
98	55.2	40.1	60.1



#42

Toluene

Concen: 2.05 ug/L

RT: 10.390 min Scan# 1392

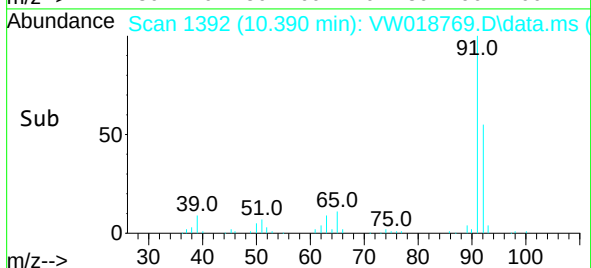
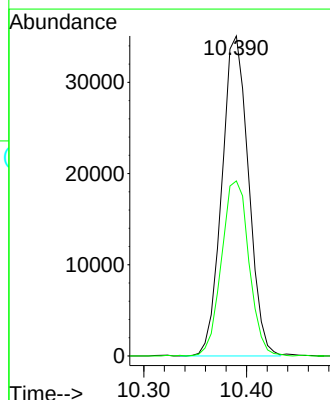
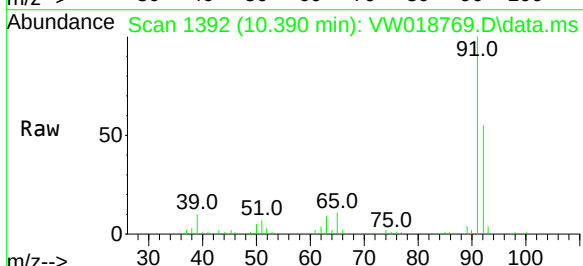
Delta R.T. -0.000 min

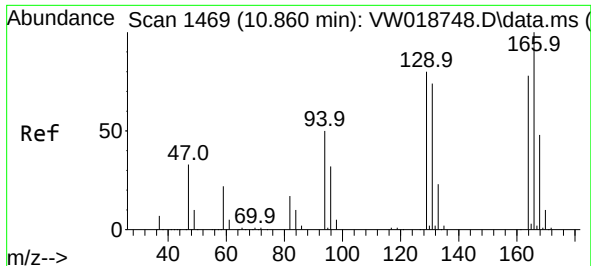
Lab File: VW018769.D

Acq: 23 Apr 2021 19:45

Tgt Ion: 91 Resp: 63084

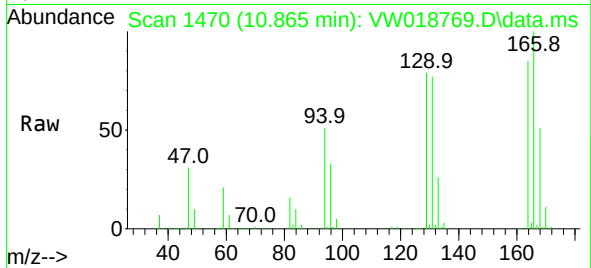
Ion	Ratio	Lower	Upper
91	100		
92	54.7	39.5	73.3



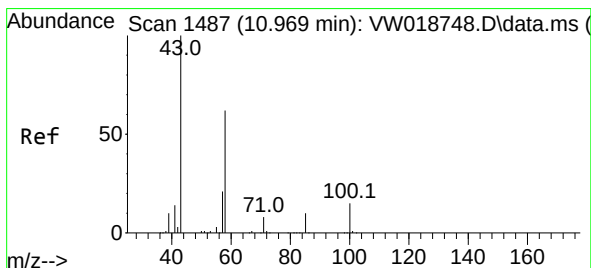
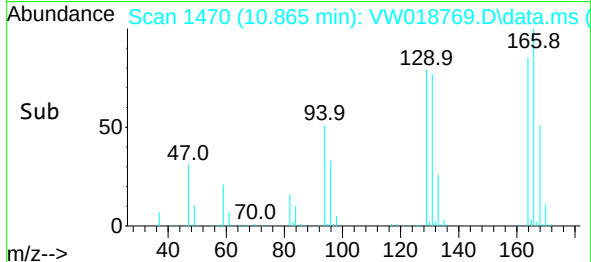
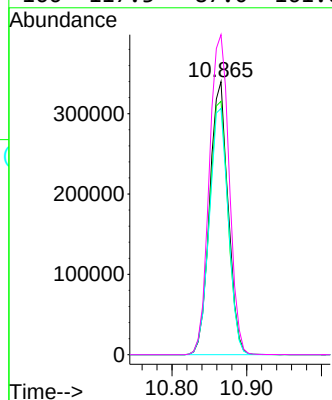


#46
Tetrachloroethene
Concen: 111.05 ug/L
RT: 10.865 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW018769.D
Acq: 23 Apr 2021 19:45

Instrument :
MSVOA_W
ClientSampled :

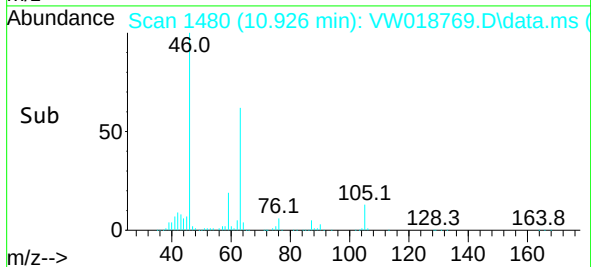
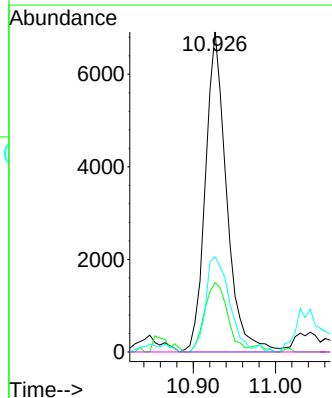
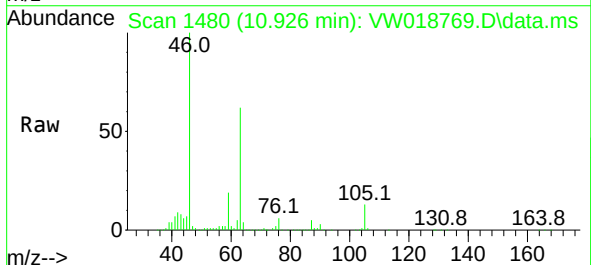


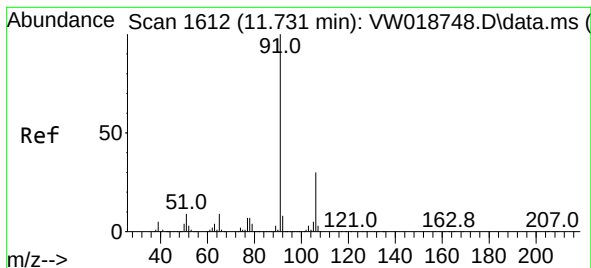
Tgt Ion:164 Resp: 580137
Ion Ratio Lower Upper
164 100
129 92.8 66.7 123.9
131 90.2 61.1 113.5
166 117.3 87.0 161.6



#48
2-Hexanone
Concen: 4.39 ug/L
RT: 10.926 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW018769.D
Acq: 23 Apr 2021 19:45

Tgt Ion: 43 Resp: 12408
Ion Ratio Lower Upper
43 100
58 23.3 42.7 64.1#
57 32.8 15.8 23.8#
100 0.0 10.0 15.0#

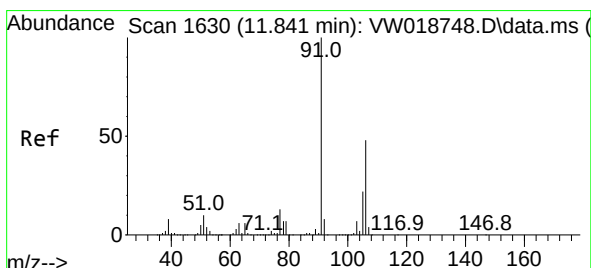
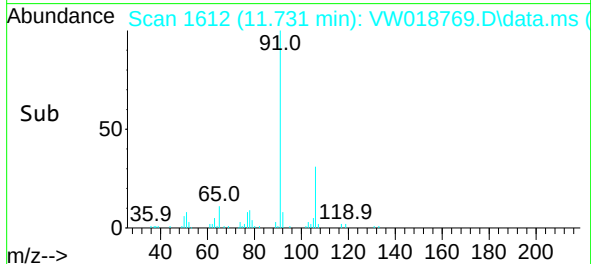
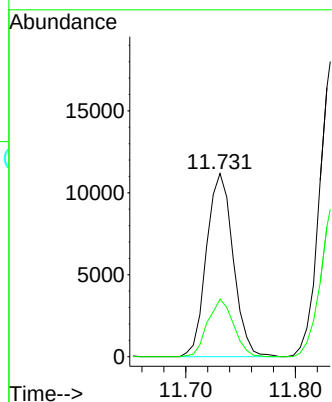
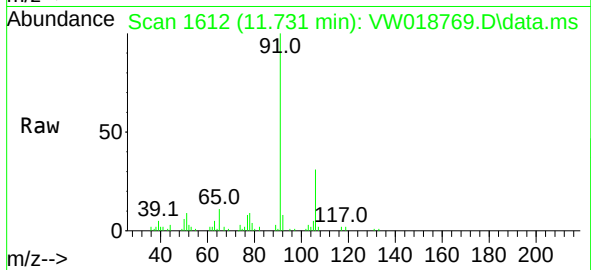




#52
Ethylbenzene
Concen: 0.56 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018769.D
Acq: 23 Apr 2021 19:45

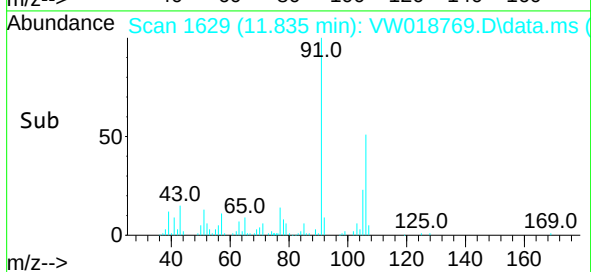
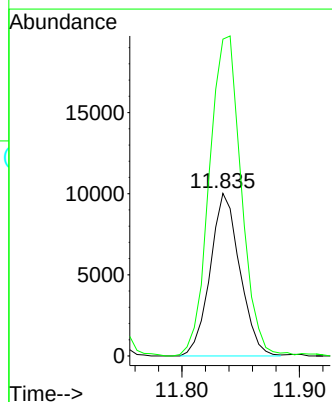
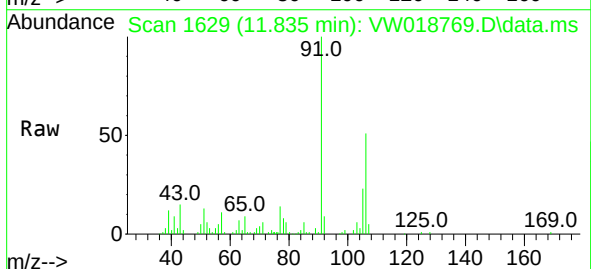
Instrument :
MSVOA_W
ClientSampled :

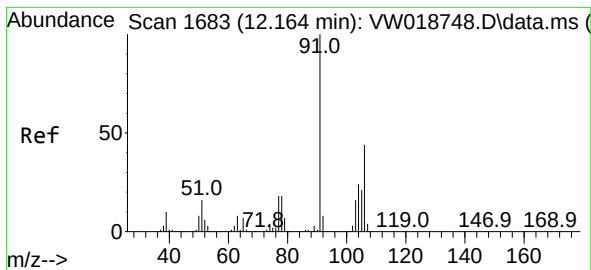
Tgt Ion: 91 Resp: 18913
Ion Ratio Lower Upper
91 100
106 31.4 22.5 41.7



#53
m,p-Xylene
Concen: 1.41 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018769.D
Acq: 23 Apr 2021 19:45

Tgt Ion:106 Resp: 17569
Ion Ratio Lower Upper
106 100
91 194.9 141.3 262.3





#54

o-Xylene

Concen: 0.47 ug/L

RT: 12.170 min Scan# 1684

Delta R.T. 0.006 min

Lab File: VW018769.D

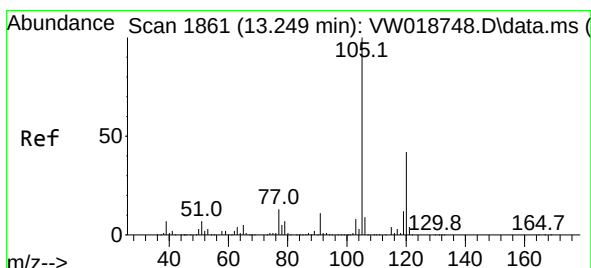
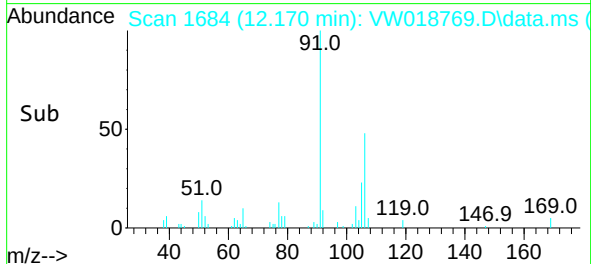
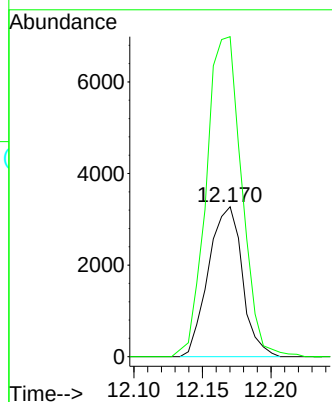
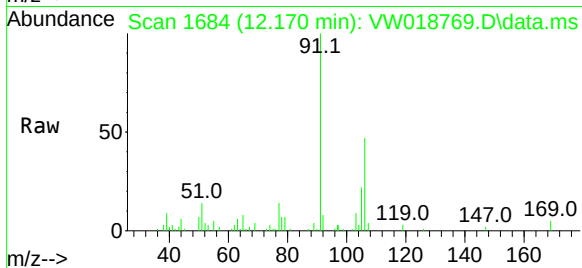
Acq: 23 Apr 2021 19:45

Tgt Ion:106 Resp: 5641

Ion Ratio Lower Upper

106 100

91 213.5 150.0 278.6



#63

1,2,4-Trimethylbenzene

Concen: 0.75 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW018769.D

Acq: 23 Apr 2021 19:45

Tgt Ion:105 Resp: 17975

Ion Ratio Lower Upper

105 100

120 40.2 35.6 53.4

