

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
 Data File : VW018853.D
 Acq On : 29 Apr 2021 18:18
 Operator : SY/VA
 Sample : M2192-02
 Misc : 4.14G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 30 02:12:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 30 02:09:50 2021
 Response via : Initial Calibration

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

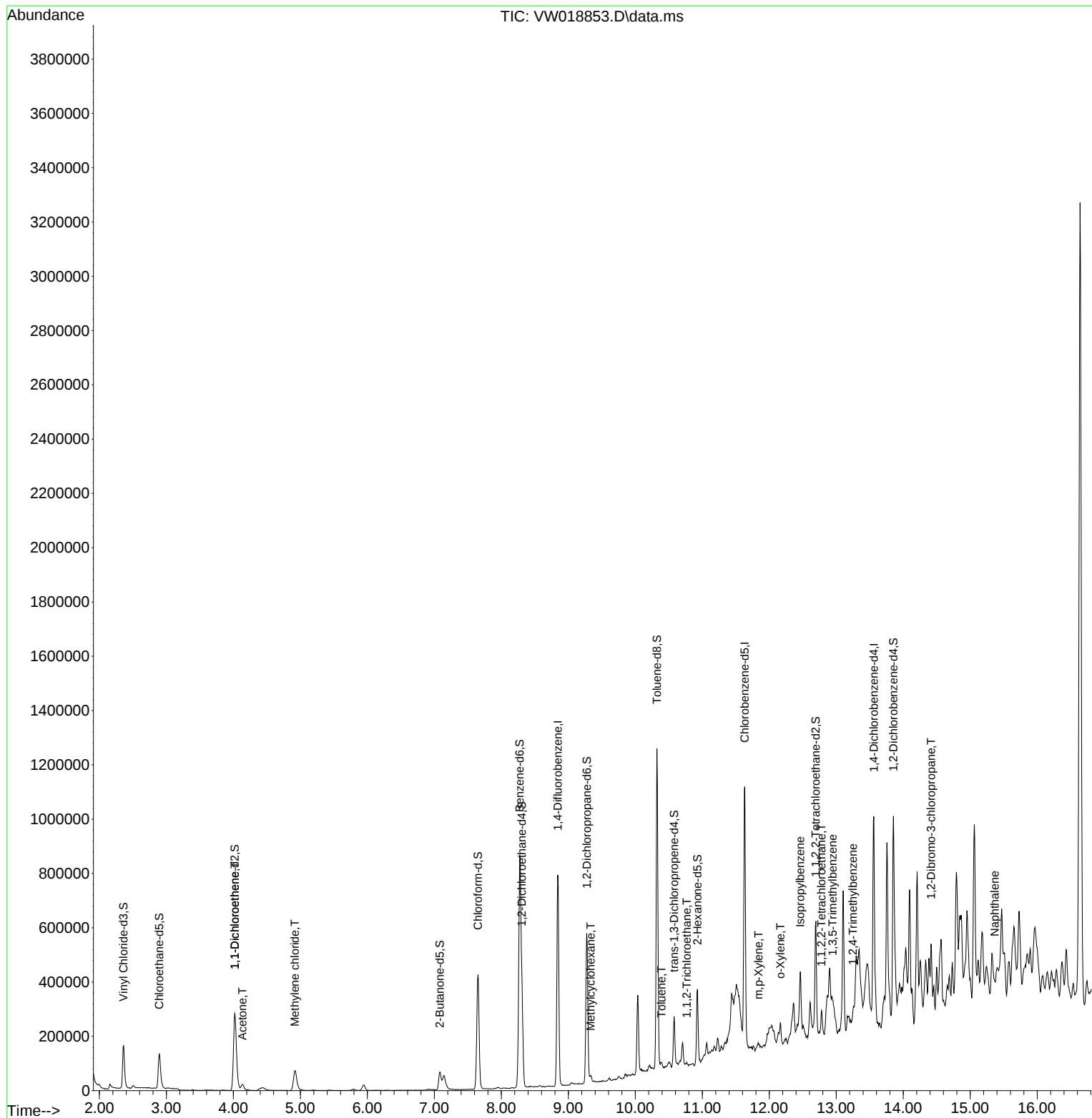
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	649524	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	524262	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	199188	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	205818	24.70	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.80%			
7) Chloroethane-d5	2.892	69	176479	27.34	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 109.36%			
11) 1,1-Dichloroethene-d2	4.019	63	320794	19.39	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 77.56%			
21) 2-Butanone-d5	7.080	46	112654	51.91	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.82%			
24) Chloroform-d	7.653	84	426688	25.03	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.12%			
26) 1,2-Dichloroethane-d4	8.305	65	251272	26.39	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.56%			
32) Benzene-d6	8.275	84	870649	29.39	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 117.56%			
36) 1,2-Dichloropropane-d6	9.275	67	256843	29.23	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 116.92%			
41) Toluene-d8	10.323	98	768245	27.81	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 111.24%			
43) trans-1,3-Dichloroprop...	10.579	79	100982	25.29	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.16%			
47) 2-Hexanone-d5	10.927	63	98203	62.41	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 124.82%			
56) 1,1,2,2-Tetrachloroeth...	12.695	84	190346	25.56	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 102.24%			
66) 1,2-Dichlorobenzene-d4	13.853	152	185973	27.25	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 109.00%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.019	96	2937	0.35	ug/L #	1
13) Acetone	4.135	43	37787	22.73	ug/L	91
16) Methylene chloride	4.916	84	64176	5.98	ug/L	95
35) Methylcyclohexane	9.336	83	9606	0.65	ug/L	90
42) Toluene	10.390	91	16489	0.48	ug/L	84
45) 1,1,2-Trichloroethane	10.768	97	4550	0.76	ug/L #	63
53) m,p-Xylene	11.841	106	8336	0.59	ug/L	74
54) o-Xylene	12.164	106	20415	1.51	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.780	83	10749	1.48	ug/L #	50
60) Isopropylbenzene	12.463	105	126712	4.46	ug/L	97
62) 1,3,5-Trimethylbenzene	12.945	105	12399	0.52	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	32314	1.36	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.414	75	1319	1.47	ug/L #	83
71) Naphthalene	15.365	128	49041	3.24	ug/L	98

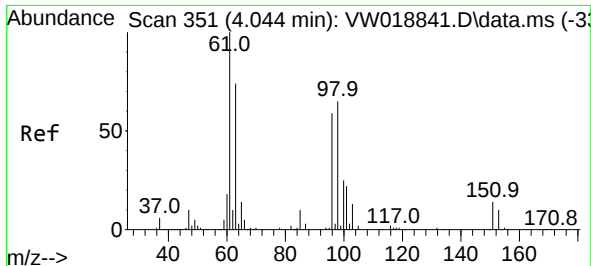
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0
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#12

1,1-Dichloroethene

Concen: 0.35 ug/L

RT: 4.019 min Scan# 347

Delta R.T. -0.024 min

Lab File: VW018853.D

Acq: 29 Apr 2021 18:18

Tgt Ion: 96 Resp: 2937

Ion Ratio Lower Upper

96 100

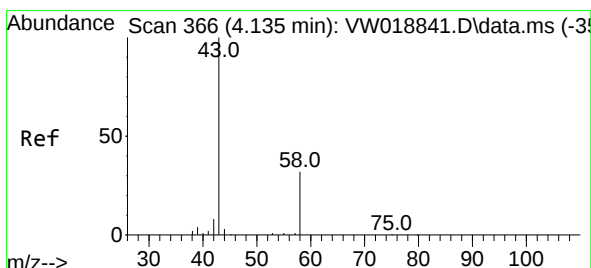
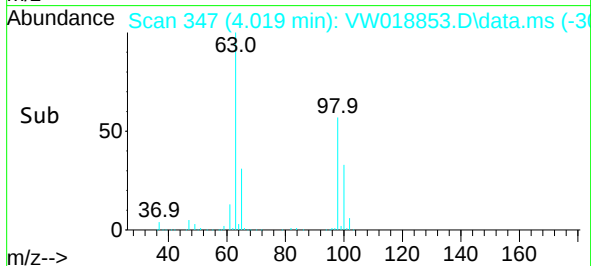
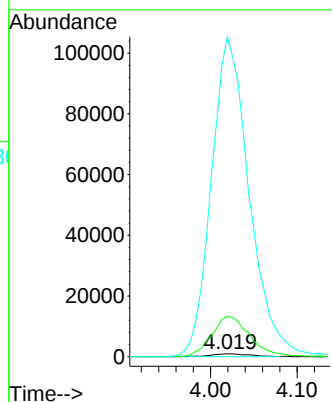
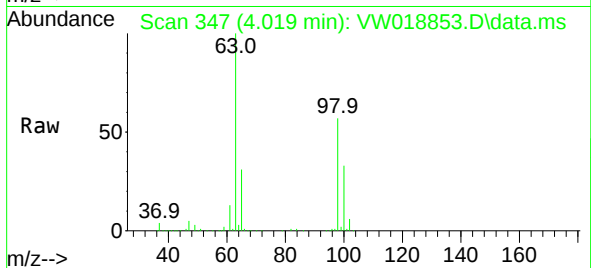
61 1362.9 118.1 219.3#

63 10800.0 83.7 155.5#

Instrument :

MSVOA_W

ClientSampled :



#13

Acetone

Concen: 22.73 ug/L

RT: 4.135 min Scan# 366

Delta R.T. 0.000 min

Lab File: VW018853.D

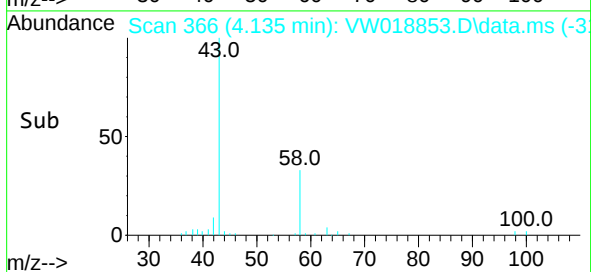
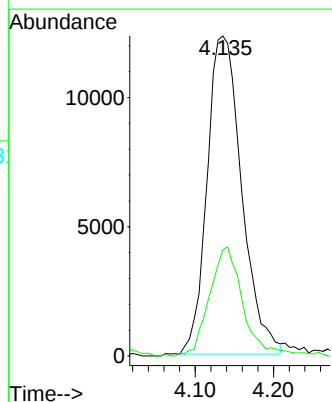
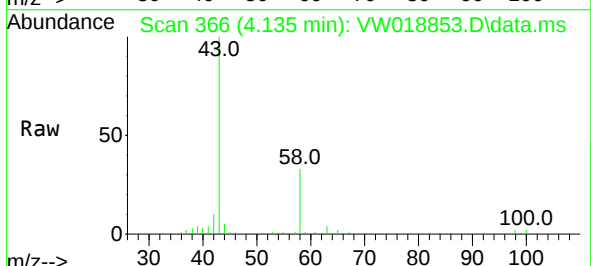
Acq: 29 Apr 2021 18:18

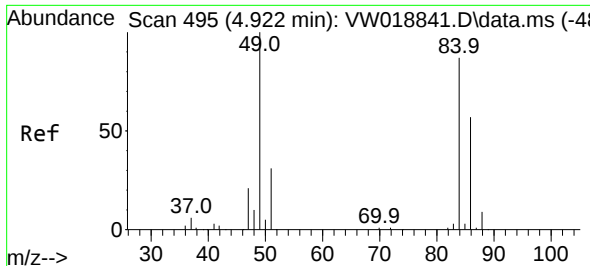
Tgt Ion: 43 Resp: 37787

Ion Ratio Lower Upper

43 100

58 31.7 0.0 53.8

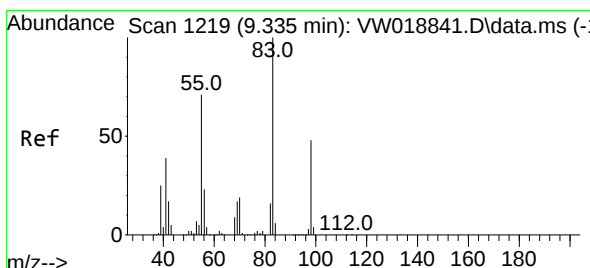
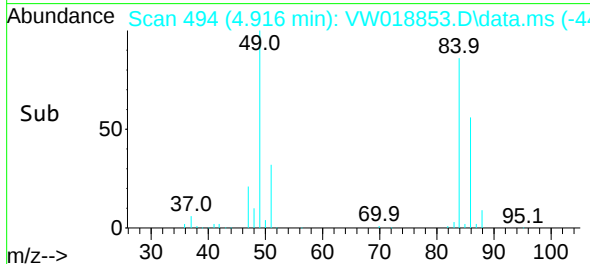
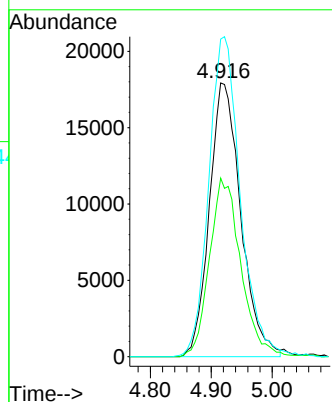
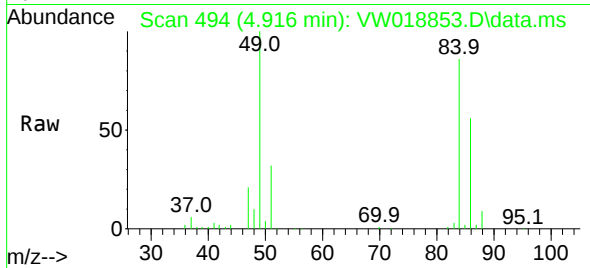




#16
Methylene chloride
Concen: 5.98 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

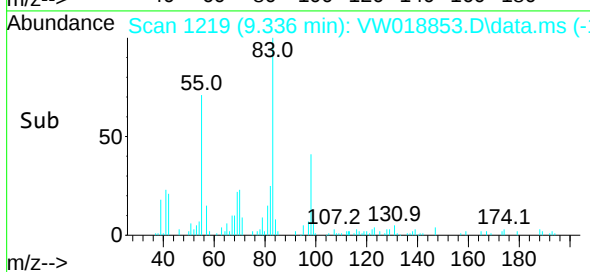
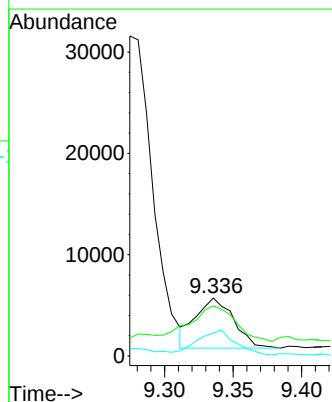
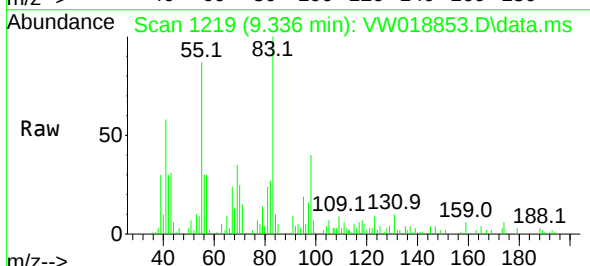
Instrument :
MSVOA_W
ClientSampled :

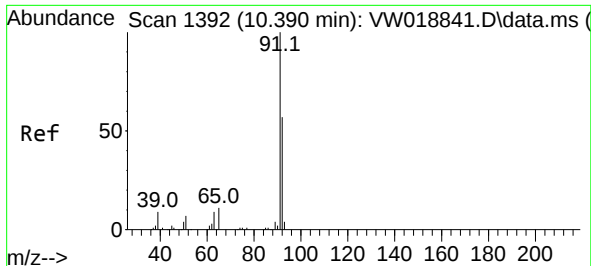
Tgt Ion: 84 Resp: 64176
Ion Ratio Lower Upper
84 100
86 65.2 45.3 84.1
49 116.0 86.6 160.8



#35
Methylcyclohexane
Concen: 0.65 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

Tgt Ion: 83 Resp: 9606
Ion Ratio Lower Upper
83 100
55 86.9 58.9 88.3
98 48.4 40.1 60.1

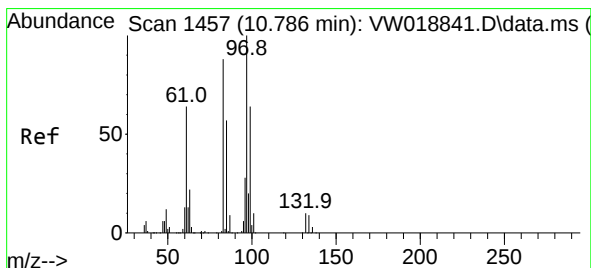
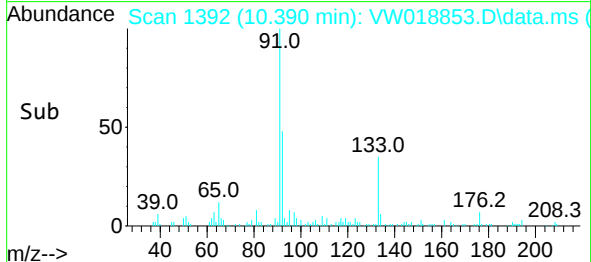
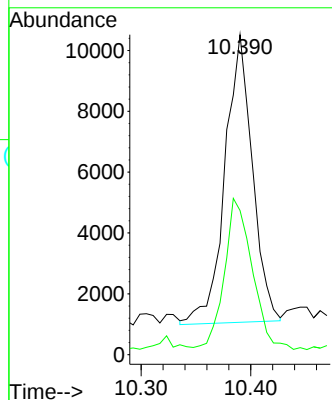
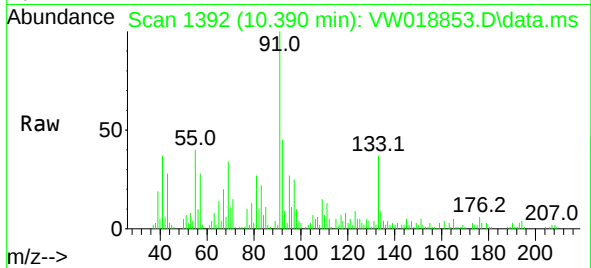




#42
Toluene
Concen: 0.48 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

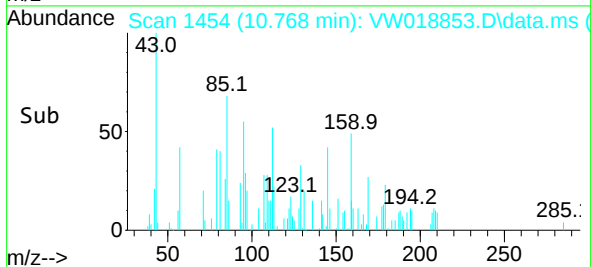
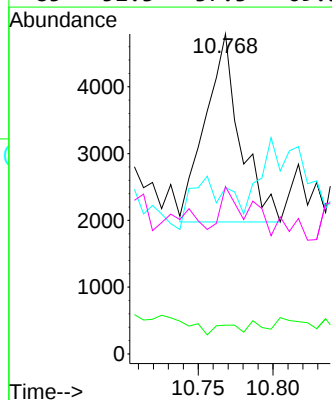
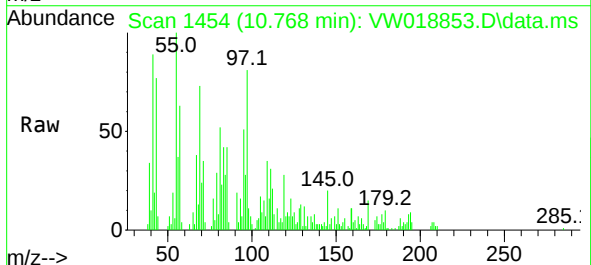
Instrument :
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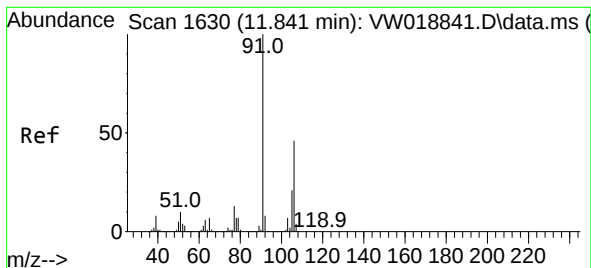
Tgt Ion: 91 Resp: 16489
Ion Ratio Lower Upper
91 100
92 45.0 39.5 73.3



#45
1,1,2-Trichloroethane
Concen: 0.76 ug/L
RT: 10.768 min Scan# 1454
Delta R.T. -0.018 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

Tgt Ion: 97 Resp: 4550
Ion Ratio Lower Upper
97 100
99 9.0 45.1 83.7#
83 52.0 58.1 107.9#
85 52.3 37.3 69.3

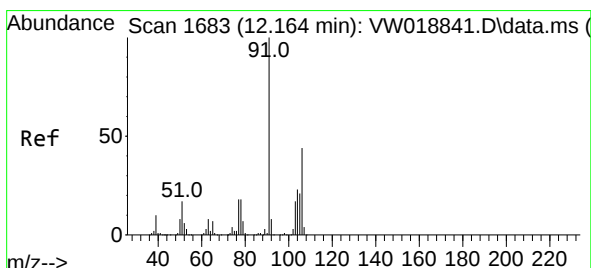
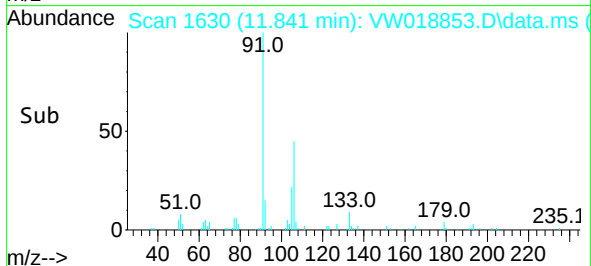
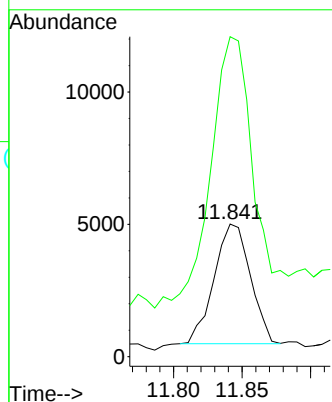
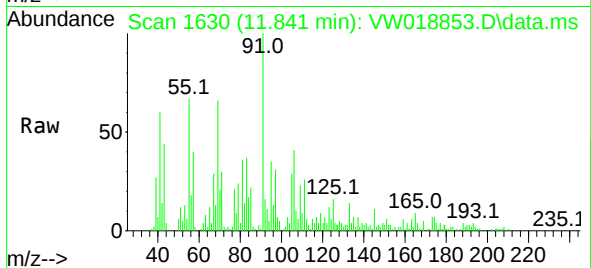




#53
m,p-Xylene
Concen: 0.59 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

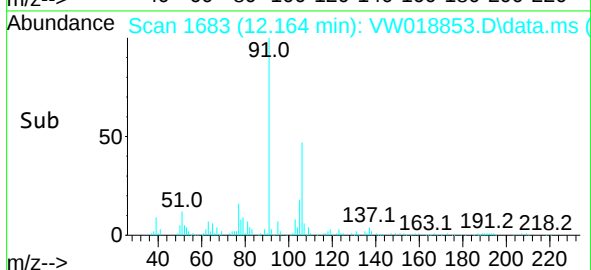
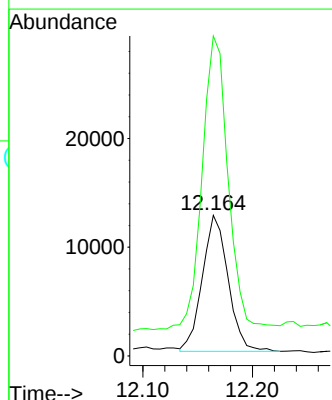
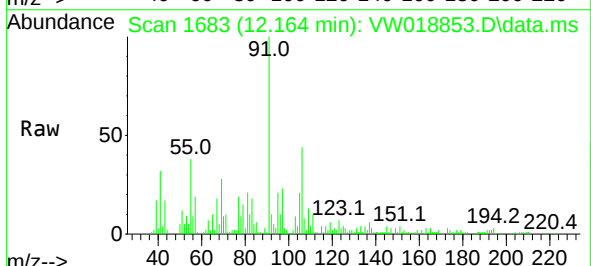
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MSVOA_W
ClientSampleId :

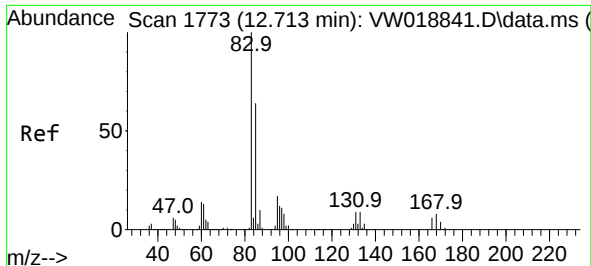
Tgt Ion:106 Resp: 8336
Ion Ratio Lower Upper
106 100
91 241.2 141.3 262.3



#54
o-Xylene
Concen: 1.51 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

Tgt Ion:106 Resp: 20415
Ion Ratio Lower Upper
106 100
91 227.5 150.0 278.6

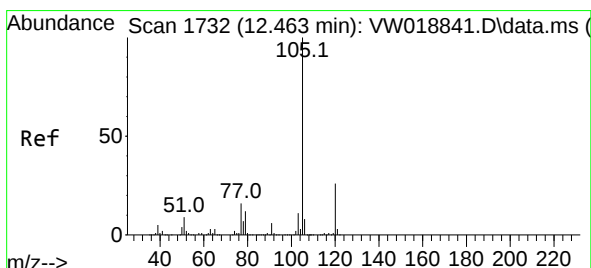
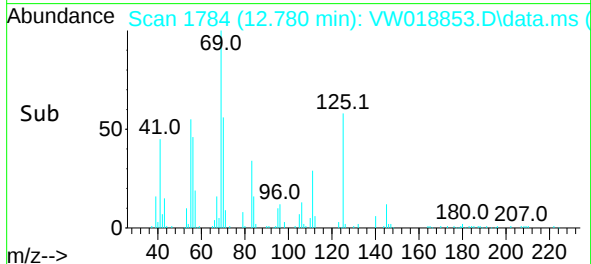
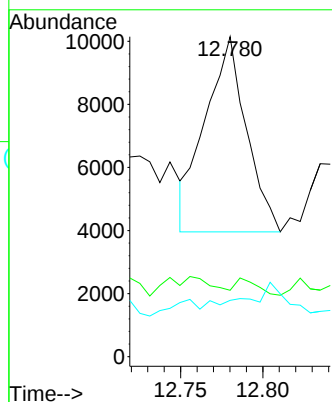
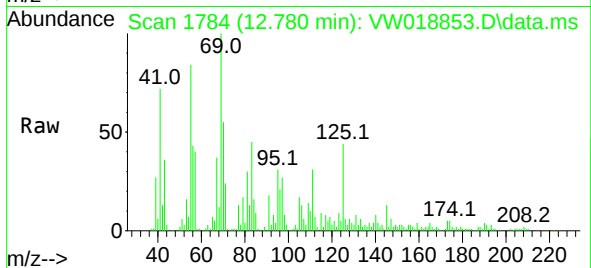




#57
1,1,2,2-Tetrachloroethane
Concen: 1.48 ug/L
RT: 12.780 min Scan# 1784
Delta R.T. 0.067 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

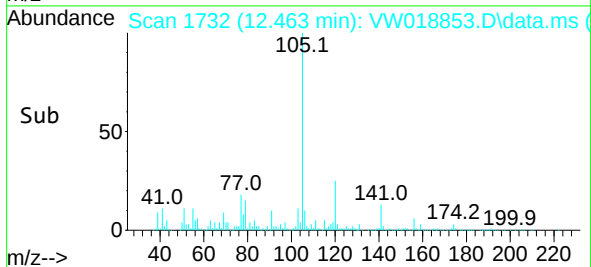
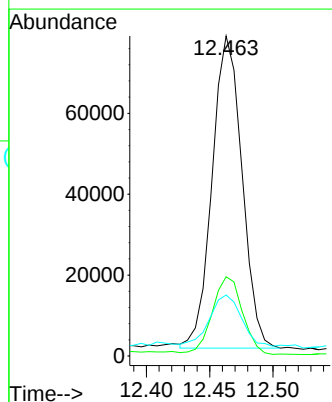
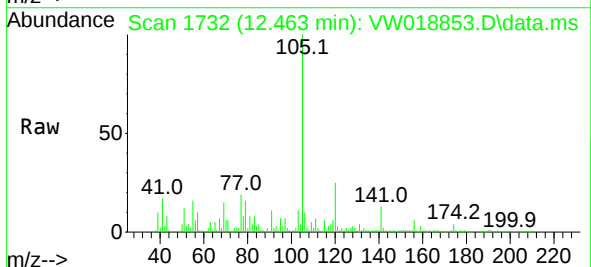
Instrument :
MSVOA_W
ClientSampleId :

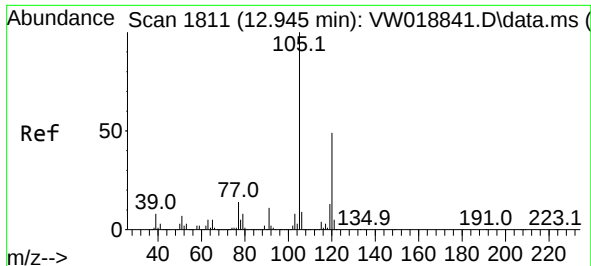
Tgt Ion: 83 Resp: 10749
Ion Ratio Lower Upper
83 100
85 20.8 44.4 82.4#
131 17.6 8.2 12.4#



#60
Isopropylbenzene
Concen: 4.46 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

Tgt Ion:105 Resp: 126712
Ion Ratio Lower Upper
105 100
120 25.0 21.1 31.7
77 18.4 13.2 19.8

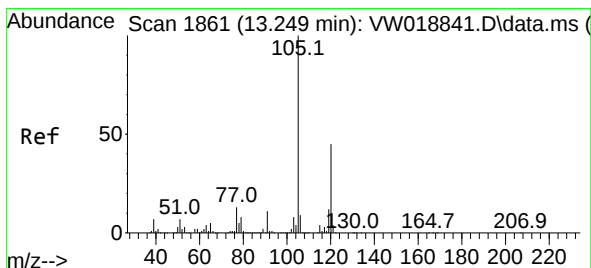
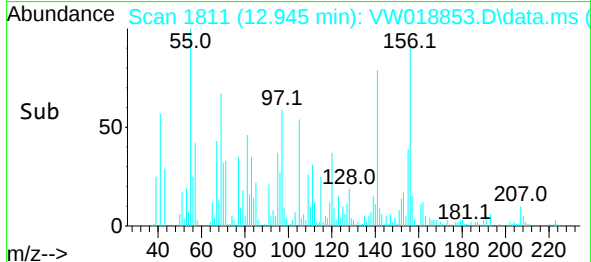
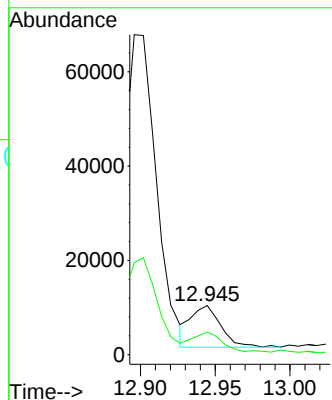
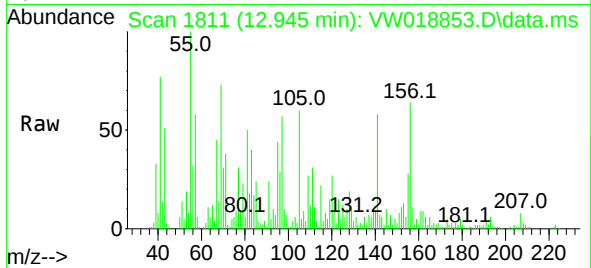




#62
1,3,5-Trimethylbenzene
Concen: 0.52 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

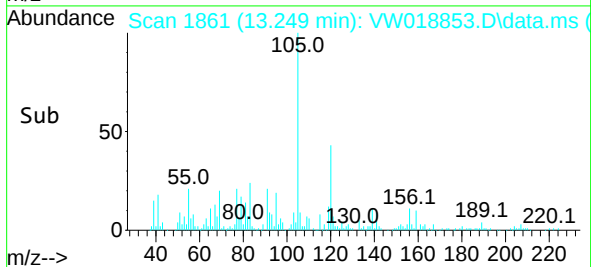
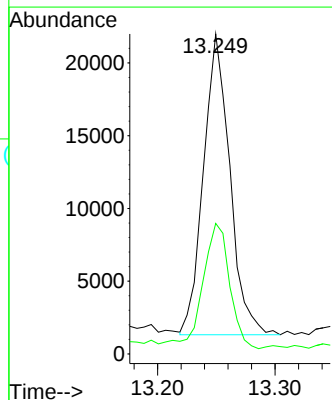
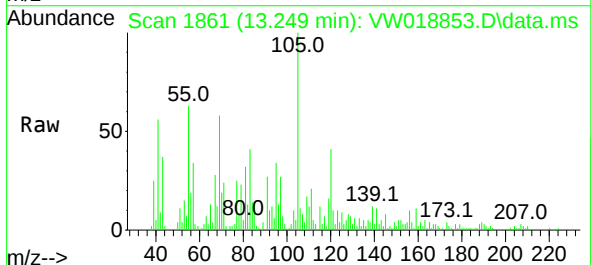
Instrument :
MSVOA_W
ClientSampled :

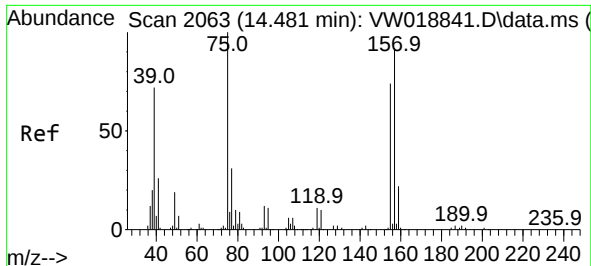
Tgt Ion:105 Resp: 12399
Ion Ratio Lower Upper
105 100
120 44.2 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 1.36 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

Tgt Ion:105 Resp: 32314
Ion Ratio Lower Upper
105 100
120 41.1 35.6 53.4

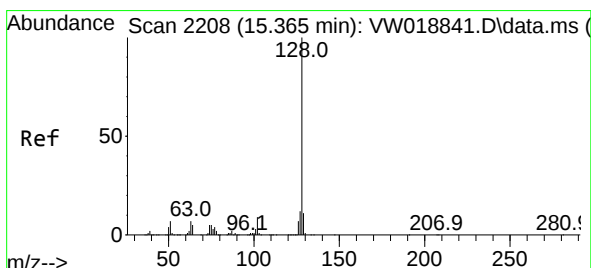
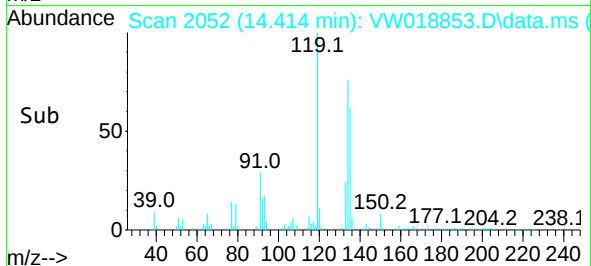
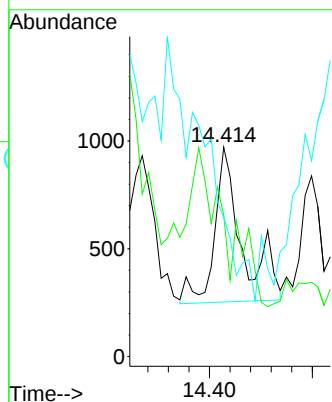
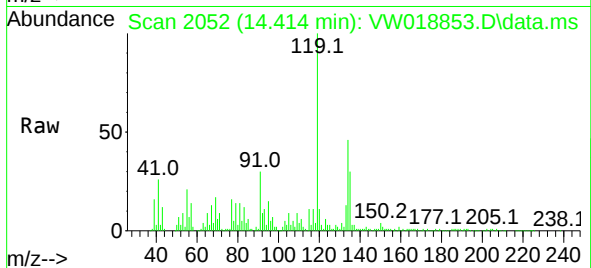




#68
1,2-Dibromo-3-chloropropane
Concen: 1.47 ug/L
RT: 14.414 min Scan# 2052
Delta R.T. -0.067 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 75 Resp: 1319
Ion Ratio Lower Upper
75 100
155 67.7 59.4 89.0
157 66.4 72.2 108.2#



#71
Naphthalene
Concen: 3.24 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018853.D
Acq: 29 Apr 2021 18:18

Tgt Ion: 128 Resp: 49041
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 12.2 9.0 13.6

