

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018572.D
 Acq On : 07 Apr 2021 11:42
 Operator : SY/VA
 Sample : M1881-10
 Misc : 4.52G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 08 05:34:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration

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

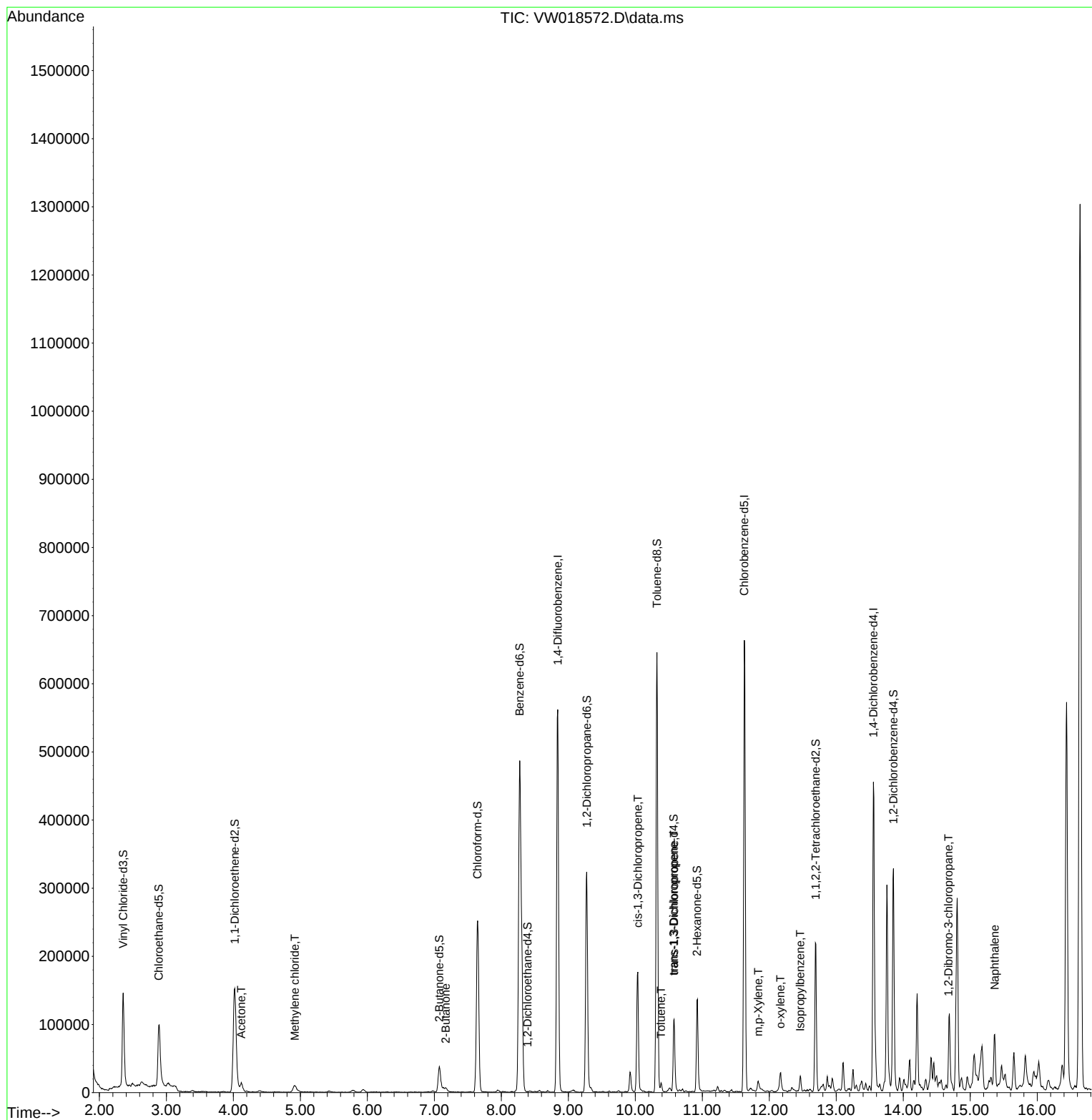
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	471912	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	359021	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	113547	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	156995	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.64%
7) Chloroethane-d5	2.885	69	127076	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
10) 1,1-Dichloroethene-d2	4.019	63	170323	15.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.08%
20) 2-Butanone-d5	7.074	46	60644	41.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.96%
24) Chloroform-d	7.641	84	254176	21.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	8.390	65	159	0.02	ug/L	0.09
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
29) Benzene-d6	8.275	84	494795	25.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.68%
33) 1,2-Dichloropropane-d6	9.274	67	145149	26.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.44%
37) Toluene-d8	10.323	98	426659	23.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.88%
38) trans-1,3-Dichloroprop...	10.573	79	58132	20.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.88%
39) 2-Hexanone-d5	10.921	63	47129	43.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.48%
48) 1,1,2,2-Tetrachloroeth...	12.695	84	103148	20.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.76%
61) 1,2-Dichlorobenzene-d4	13.853	152	80585	19.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.84%
Target Compounds						Qvalue
13) Acetone	4.117	43	20585	19.60	ug/L	100
16) Methylene chloride	4.916	84	8043	1.04	ug/L	98
21) 2-Butanone	7.171	43	7394	4.43	ug/L	72
42) cis-1,3-Dichloropropene	10.037	75	5203	0.60	ug/L #	69
44) Toluene	10.384	91	8321	0.35	ug/L	97
45) trans-1,3-Dichloropropene	10.579	75	2982	0.39	ug/L	83
54) m,p-Xylene	11.835	106	4390	0.43	ug/L	89
55) o-xylene	12.164	106	7041	0.73	ug/L	84
57) Isopropylbenzene	12.463	105	12644	0.48	ug/L	97
66) 1,2-Dibromo-3-chloropr...	14.676	75	1208	2.06	ug/L #	10
69) Naphthalene	15.365	128	69759	7.51	ug/L	99

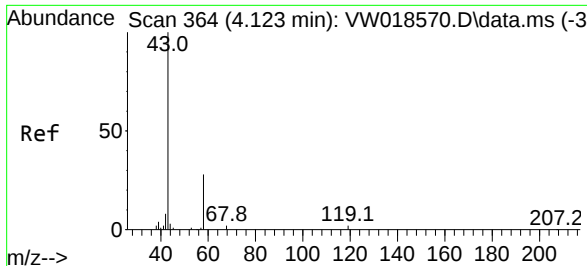
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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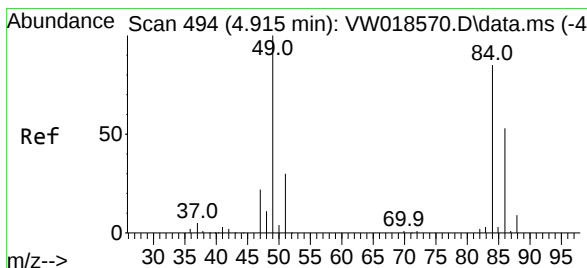
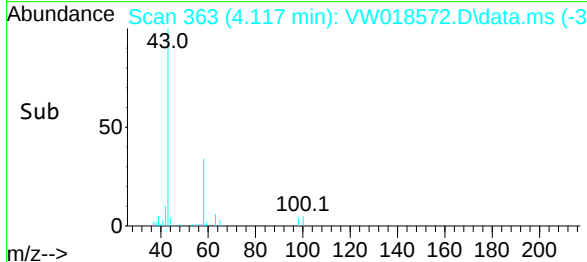
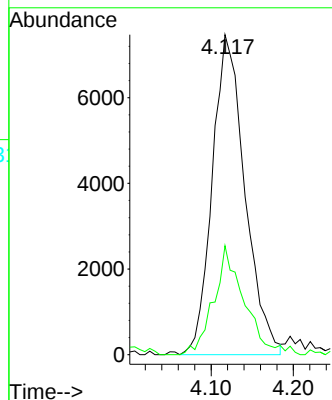
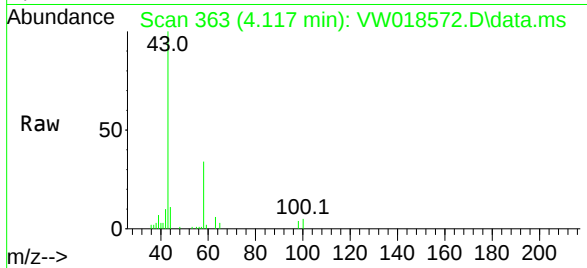




#13
Acetone
Concen: 19.60 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.006 min
Lab File: VW018572.D
Acq: 07 Apr 2021 11:42

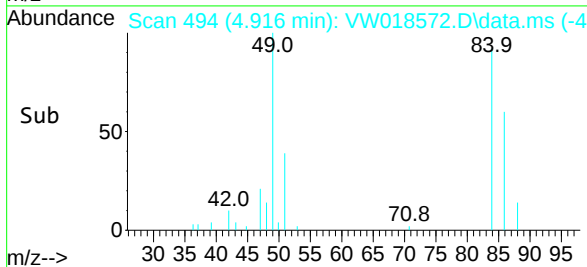
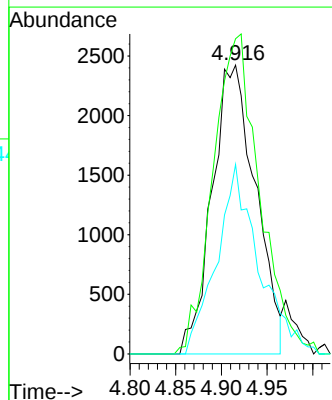
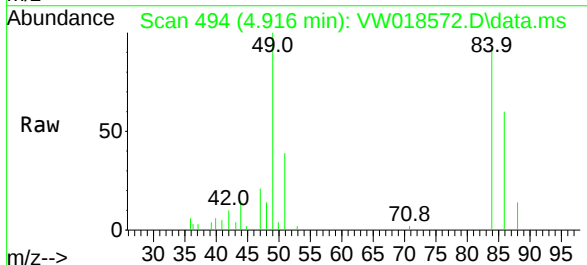
Instrument :
MSVOA_W
ClientSampled :

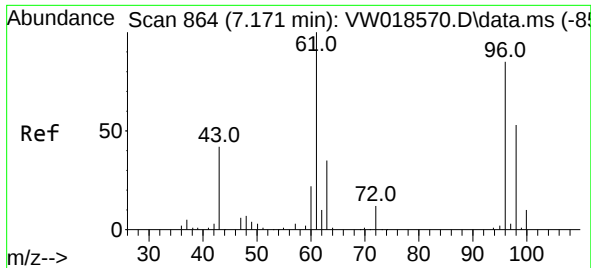
Tgt Ion: 43 Resp: 20585
Ion Ratio Lower Upper
43 100
58 31.0 0.0 62.2



#16
Methylene chloride
Concen: 1.04 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW018572.D
Acq: 07 Apr 2021 11:42

Tgt Ion: 84 Resp: 8043
Ion Ratio Lower Upper
84 100
49 109.2 74.4 138.2
86 65.6 46.1 85.7

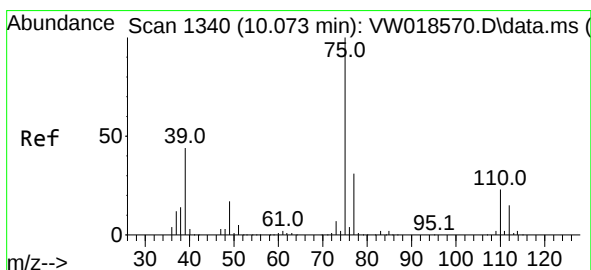
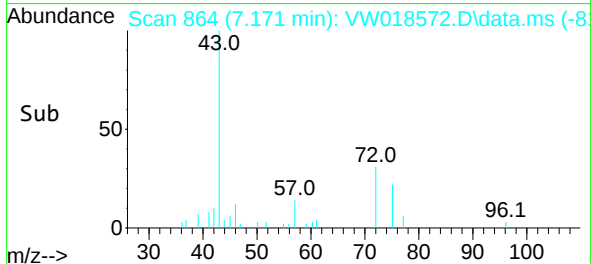
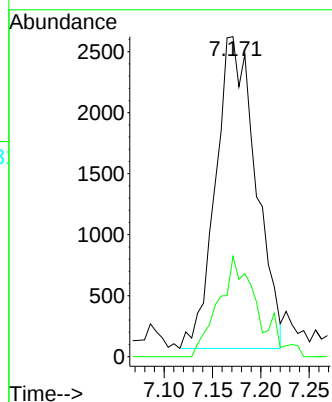
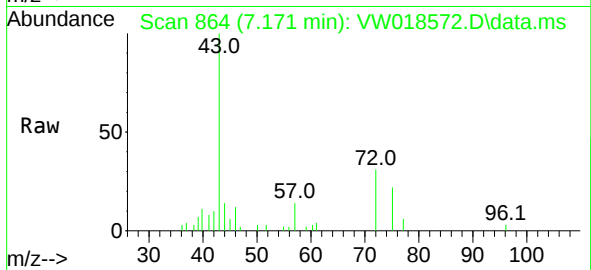




#21
2-Butanone
Concen: 4.43 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW018572.D
Acq: 07 Apr 2021 11:42

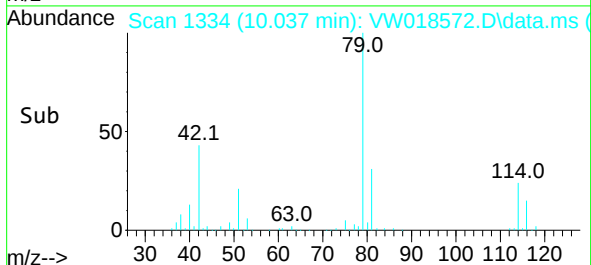
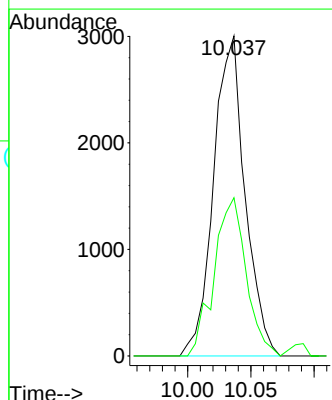
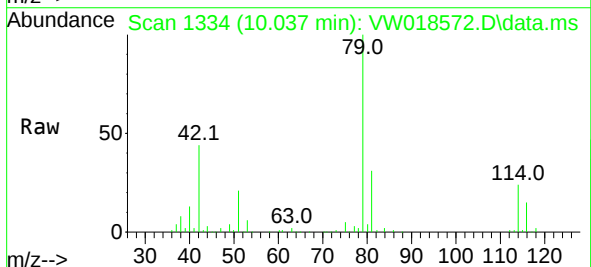
Instrument :
MSVOA_W
ClientSampled :

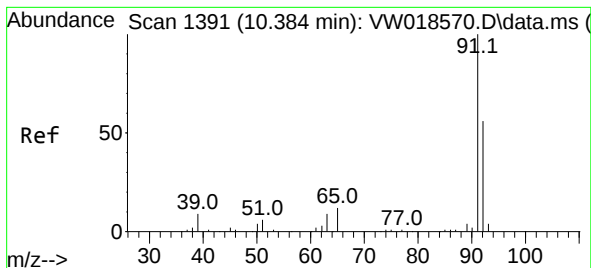
Tgt Ion: 43 Resp: 7394
Ion Ratio Lower Upper
43 100
72 17.0 16.5 49.5



#42
cis-1,3-Dichloropropene
Concen: 0.60 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.036 min
Lab File: VW018572.D
Acq: 07 Apr 2021 11:42

Tgt Ion: 75 Resp: 5203
Ion Ratio Lower Upper
75 100
77 49.5 22.4 41.6#





#44

Toluene

Concen: 0.35 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW018572.D

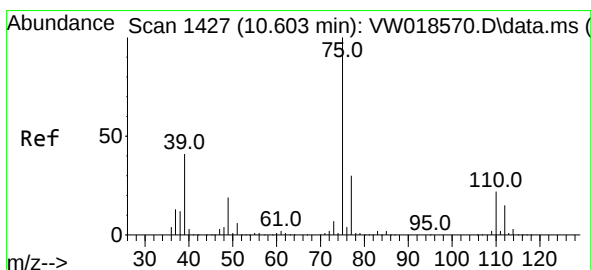
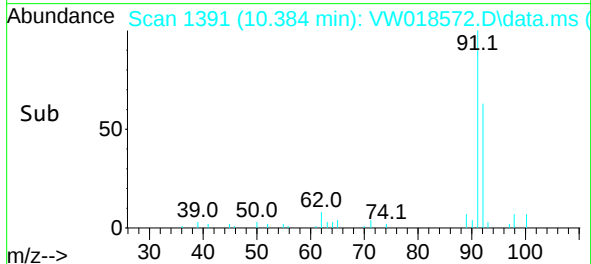
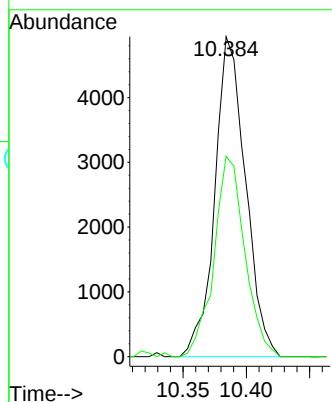
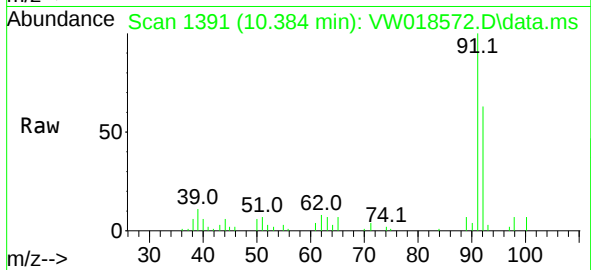
Acq: 07 Apr 2021 11:42

Tgt Ion: 91 Resp: 8321

Ion Ratio Lower Upper

91 100

92 62.7 42.3 78.5



#45

trans-1,3-Dichloropropene

Concen: 0.39 ug/L

RT: 10.579 min Scan# 1423

Delta R.T. -0.024 min

Lab File: VW018572.D

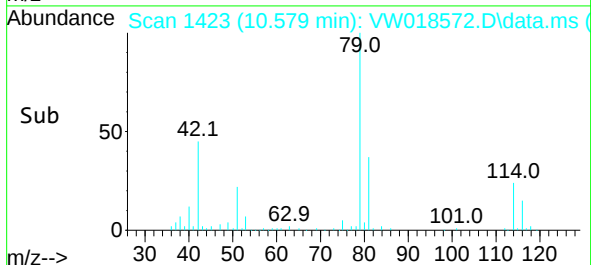
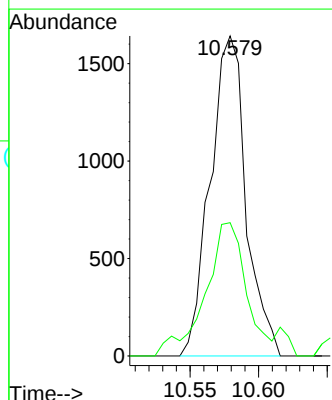
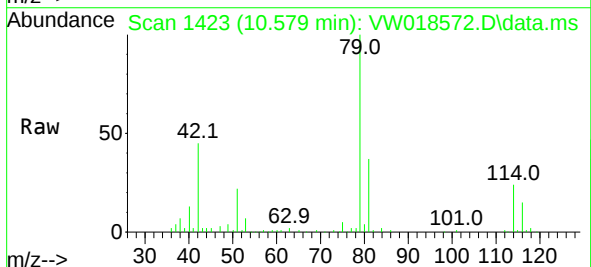
Acq: 07 Apr 2021 11:42

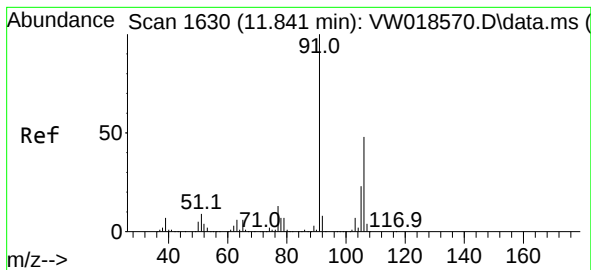
Tgt Ion: 75 Resp: 2982

Ion Ratio Lower Upper

75 100

77 41.7 22.6 42.0

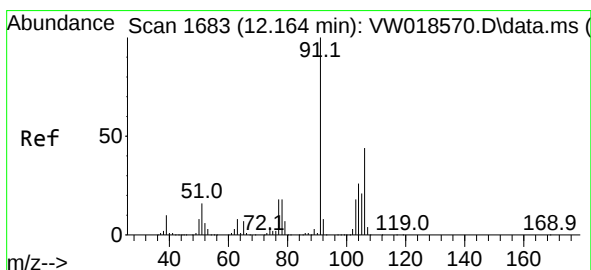
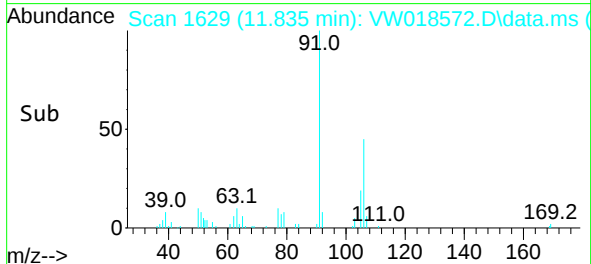
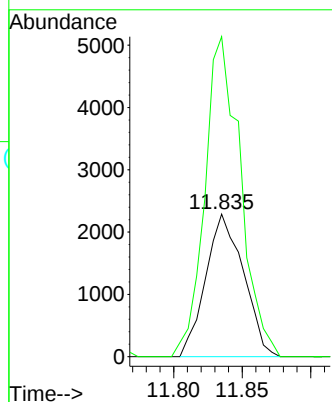
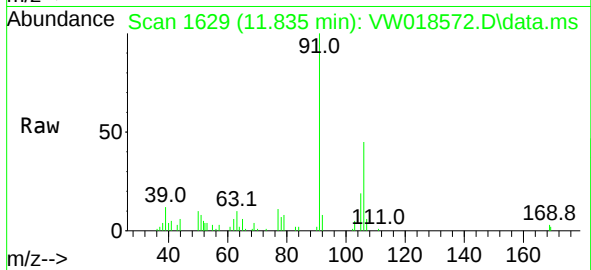




#54
m,p-Xylene
Concen: 0.43 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018572.D
Acq: 07 Apr 2021 11:42

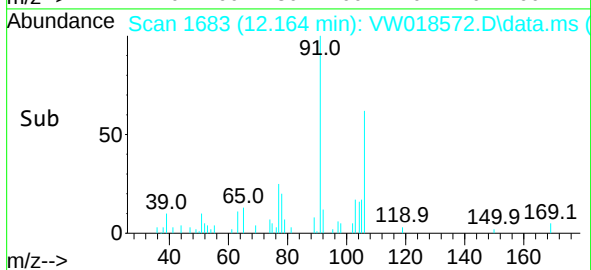
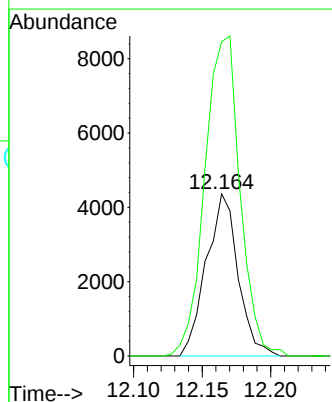
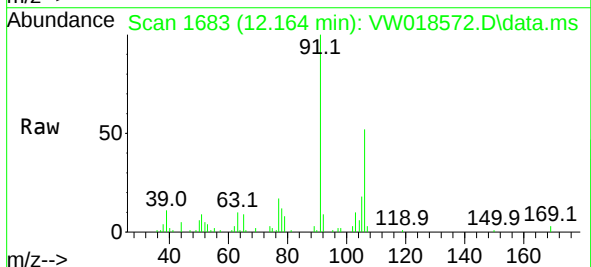
Instrument :
MSVOA_W
ClientSampleId :

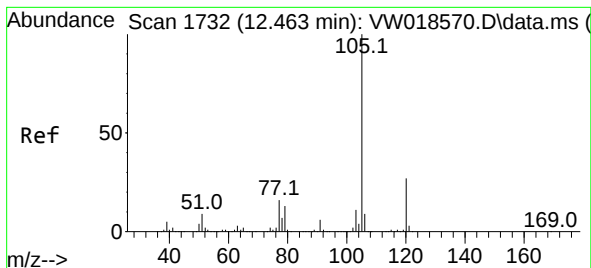
Tgt Ion:106 Resp: 4390
Ion Ratio Lower Upper
106 100
91 224.4 145.3 269.8



#55
o-xylene
Concen: 0.73 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018572.D
Acq: 07 Apr 2021 11:42

Tgt Ion:106 Resp: 7041
Ion Ratio Lower Upper
106 100
91 193.9 154.3 286.5

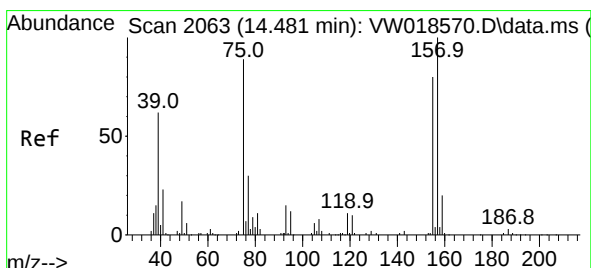
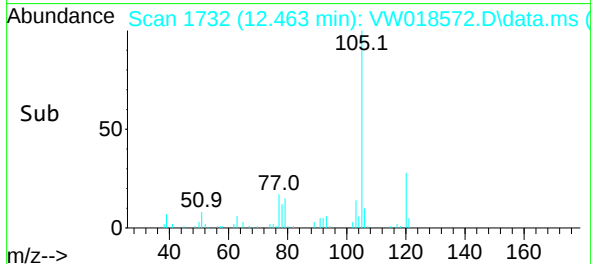
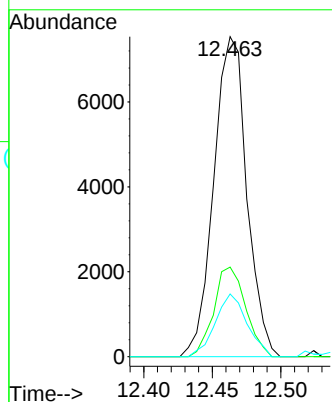
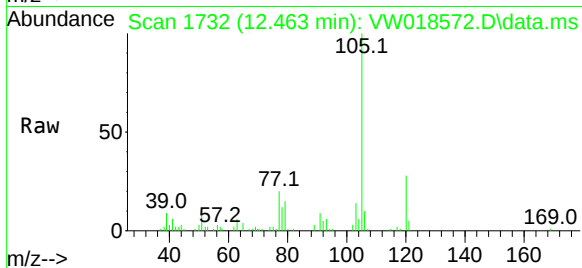




#57
Isopropylbenzene
Concen: 0.48 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018572.D
Acq: 07 Apr 2021 11:42

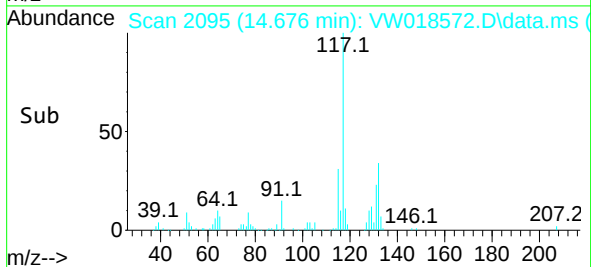
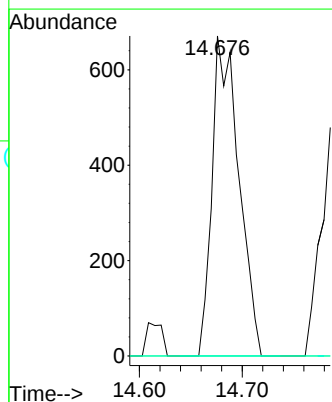
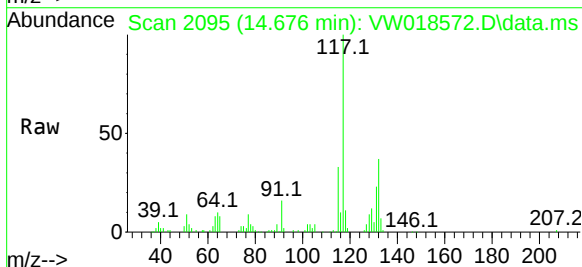
Instrument :
MSVOA_W
ClientSampleId :

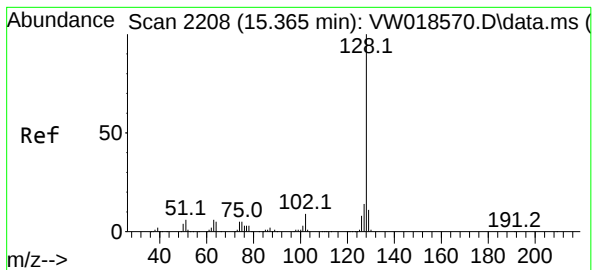
Tgt Ion:	105	Resp:	12644
Ion	Ratio	Lower	Upper
105	100		
120	26.9	20.9	31.3
77	18.8	13.2	19.8



#66
1,2-Dibromo-3-chloropropane
Concen: 2.06 ug/L
RT: 14.676 min Scan# 2095
Delta R.T. 0.195 min
Lab File: VW018572.D
Acq: 07 Apr 2021 11:42

Tgt Ion:	75	Resp:	1208
Ion	Ratio	Lower	Upper
75	100		
157	0.0	65.2	97.8#
155	0.0	60.1	90.1#





#69
Naphthalene
Concen: 7.51 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018572.D
Acq: 07 Apr 2021 11:42

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 69759
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.6 10.7 16.1

