

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021621\
 Data File : VW018172.D
 Acq On : 16 Feb 2021 19:03
 Operator : SY/VA
 Sample : M1414-15
 Misc : 5.74G/10ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBH01

Quant Time: Feb 17 01:09:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 17 01:02:43 2021
 Response via : Initial Calibration

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

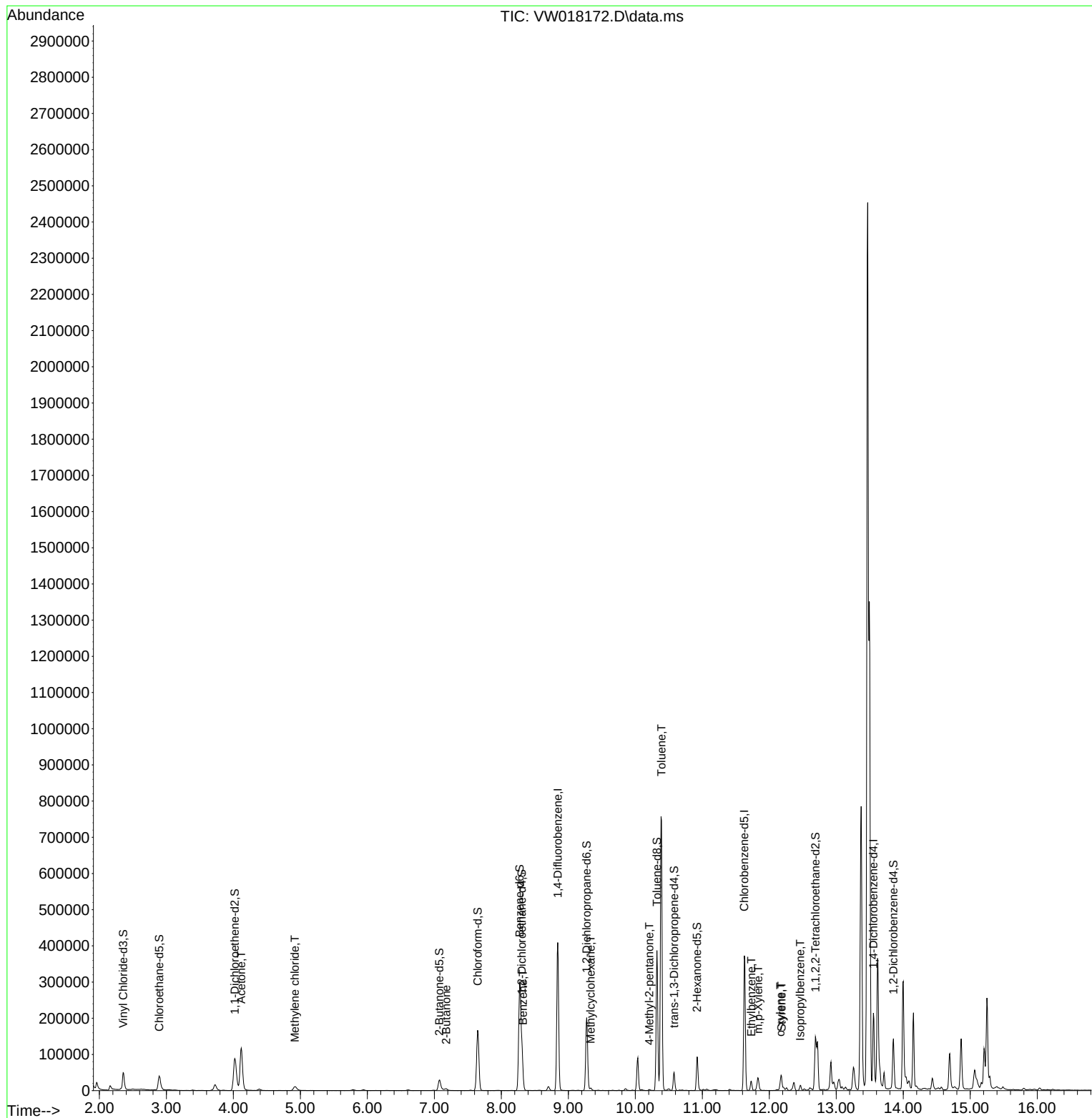
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	364393	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	226415	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	58223	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	57278	12.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	50.60%
7) Chloroethane-d5	2.891	69	57140	15.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.60%
10) 1,1-Dichloroethene-d2	4.019	63	98118	10.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.36%#
20) 2-Butanone-d5	7.074	46	48015	39.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.46%
24) Chloroform-d	7.647	84	176729	18.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.92%
26) 1,2-Dichloroethane-d4	8.305	65	86389	16.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	67.84%#
29) Benzene-d6	8.275	84	325292	26.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.64%
33) 1,2-Dichloropropane-d6	9.274	67	94944	27.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.24%
37) Toluene-d8	10.323	98	257356	21.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.04%
38) trans-1,3-Dichloroprop...	10.579	79	29034	18.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.68%
39) 2-Hexanone-d5	10.921	63	34390	51.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.46%
48) 1,1,2,2-Tetrachloroeth...	12.689	84	61115	20.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.04%
61) 1,2-Dichlorobenzene-d4	13.853	152	39162	18.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.44%
Target Compounds						
					Qvalue	
13) Acetone	4.117	43	200908	224.70	ug/L	99
16) Methylene chloride	4.916	84	11179	1.91	ug/L	89
21) 2-Butanone	7.177	43	7722	5.67	ug/L	94
34) Benzene	8.323	78	7688	0.58	ug/L	100
36) Methylcyclohexane	9.335	83	2706	0.43	ug/L	99
43) 4-Methyl-2-pentanone	10.207	43	1861	0.99	ug/L #	94
44) Toluene	10.390	91	585008	40.16	ug/L	98
53) Ethylbenzene	11.731	91	16970	1.03	ug/L	99
54) m,p-Xylene	11.835	106	8352	1.32	ug/L	89
55) o-xylene	12.164	106	4358	0.73	ug/L	93
56) Styrene	12.182	104	17950	1.76	ug/L	95
57) Isopropylbenzene	12.463	105	7210	0.43	ug/L #	91

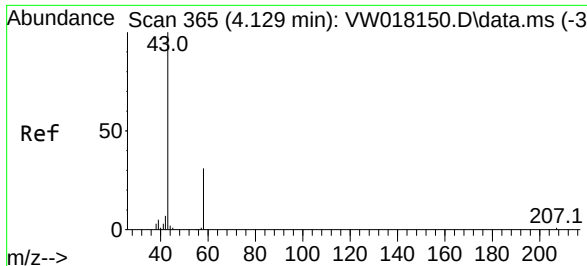
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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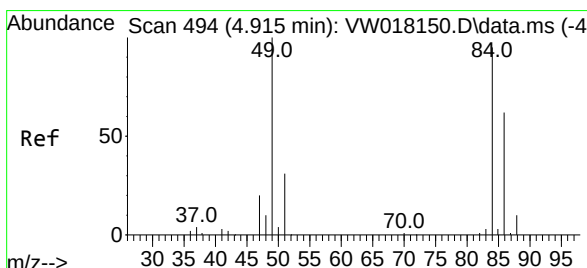
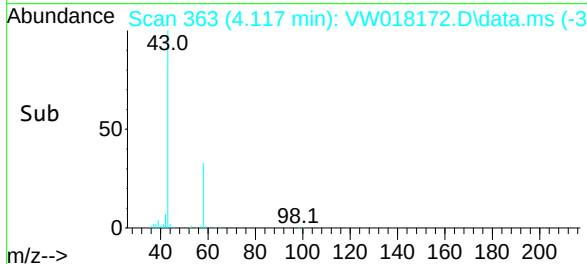
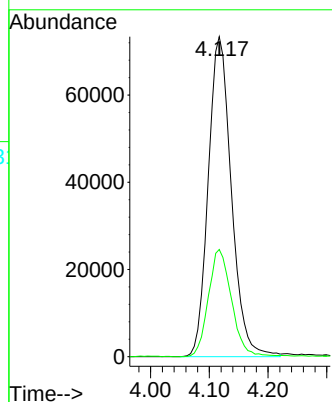
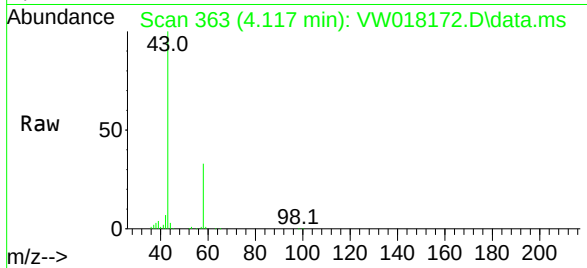




#13
Acetone
Concen: 224.70 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.012 min
Lab File: VW018172.D
Acq: 16 Feb 2021 19:03

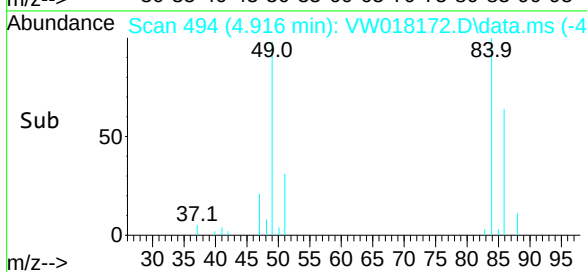
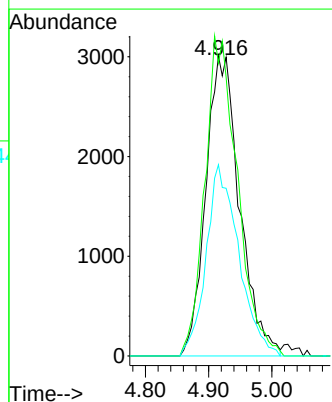
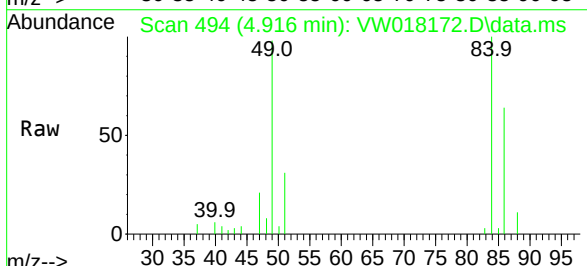
Instrument :
MSVOA_W
ClientSampleId :
DBH01

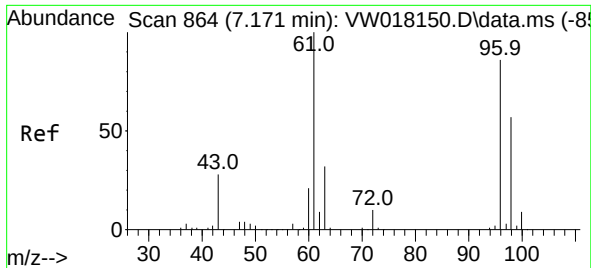
Tgt Ion: 43 Resp: 200908
Ion Ratio Lower Upper
43 100
58 33.6 0.0 68.4



#16
Methylene chloride
Concen: 1.91 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW018172.D
Acq: 16 Feb 2021 19:03

Tgt Ion: 84 Resp: 11179
Ion Ratio Lower Upper
84 100
49 97.6 81.2 150.8
86 63.7 44.5 82.7

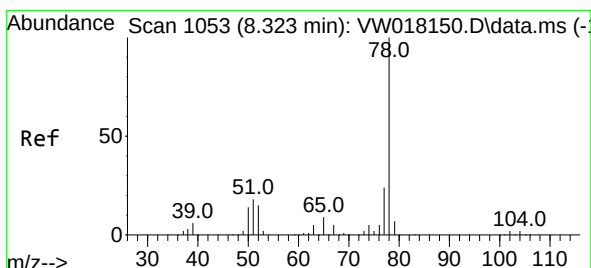
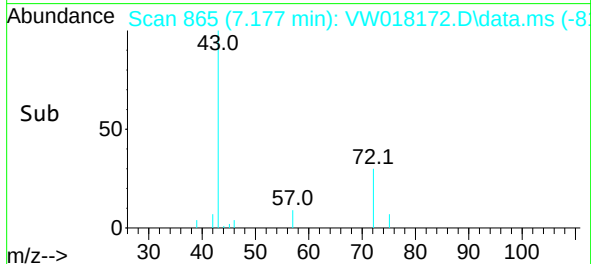
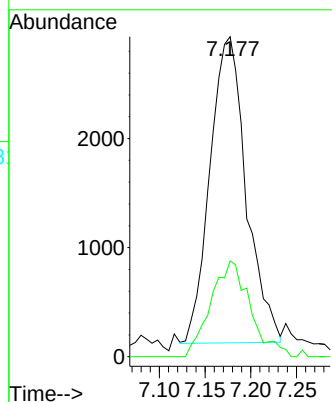
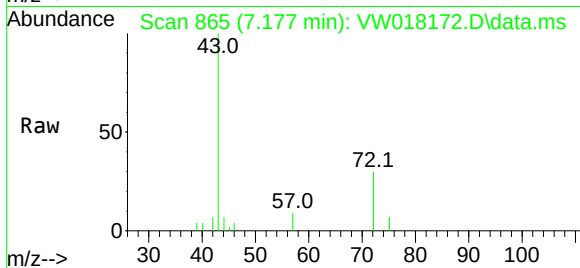




#21
2-Butanone
Concen: 5.67 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW018172.D
Acq: 16 Feb 2021 19:03

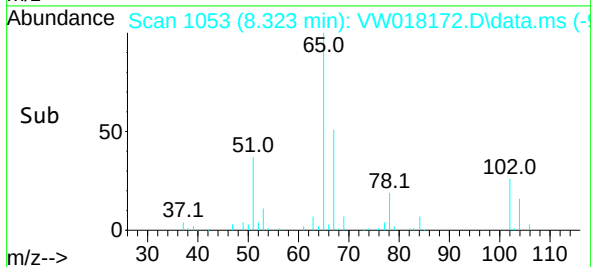
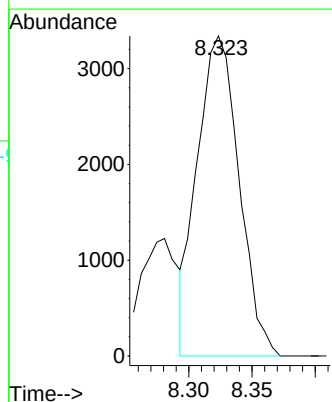
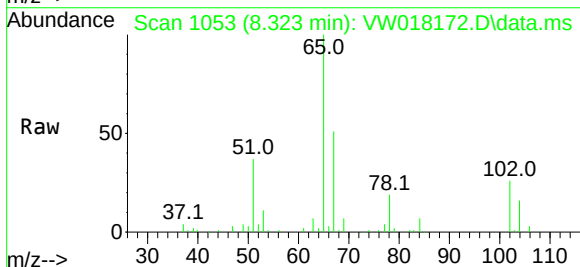
Instrument :
MSVOA_W
ClientSampleId :
DBH01

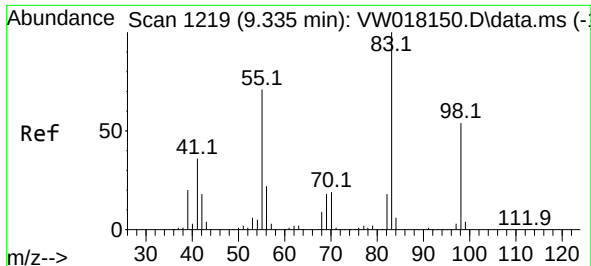
Tgt Ion: 43 Resp: 7722
Ion Ratio Lower Upper
43 100
72 31.9 14.4 43.2



#34
Benzene
Concen: 0.58 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018172.D
Acq: 16 Feb 2021 19:03

Tgt Ion: 78 Resp: 7688

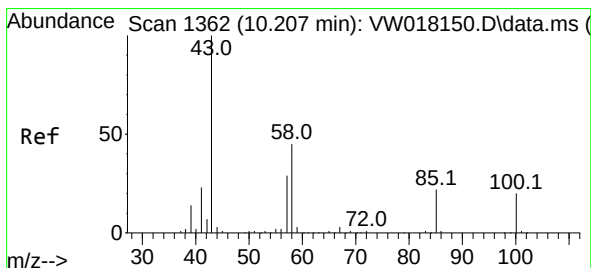
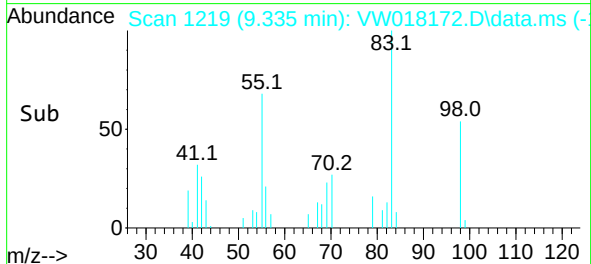
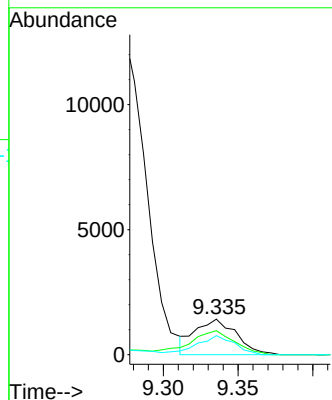
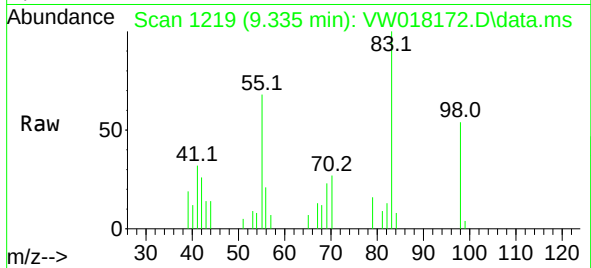




#36
Methylcyclohexane
Concen: 0.43 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018172.D
Acq: 16 Feb 2021 19:03

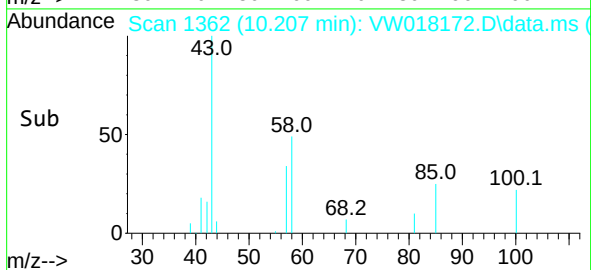
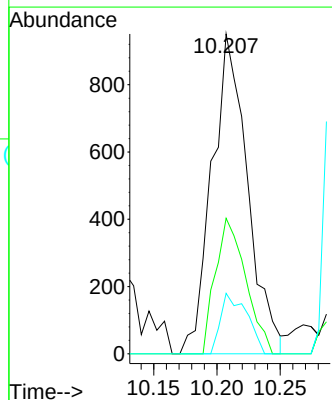
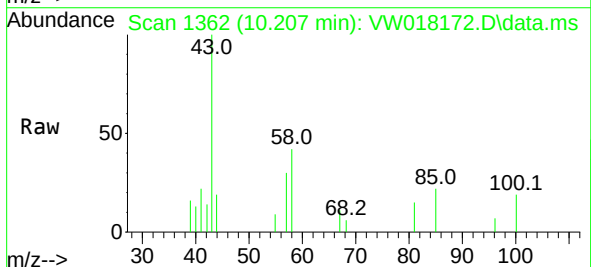
Instrument :
MSVOA_W
ClientSampleId :
DBH01

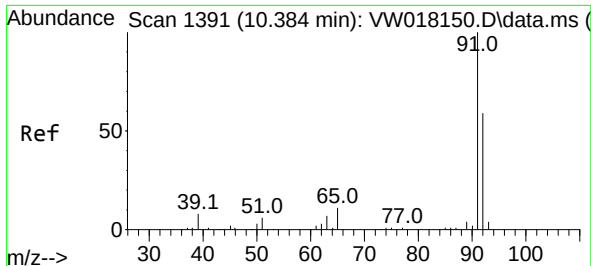
Tgt Ion: 83 Resp: 2706
Ion Ratio Lower Upper
83 100
55 74.2 59.4 89.0
98 49.4 40.7 61.1



#43
4-Methyl-2-pentanone
Concen: 0.99 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW018172.D
Acq: 16 Feb 2021 19:03

Tgt Ion: 43 Resp: 1861
Ion Ratio Lower Upper
43 100
58 36.1 31.6 47.4
100 14.0 14.1 21.1#

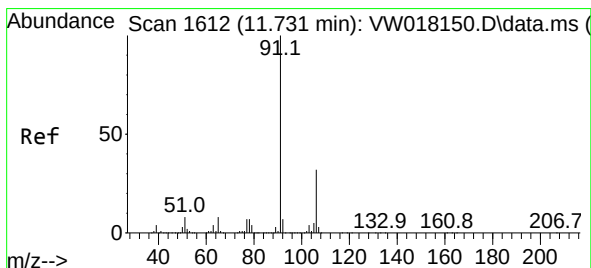
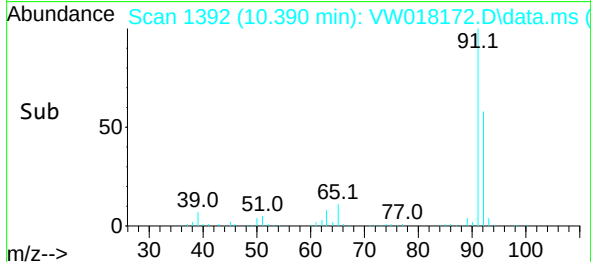
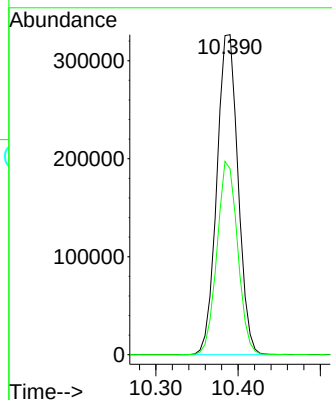
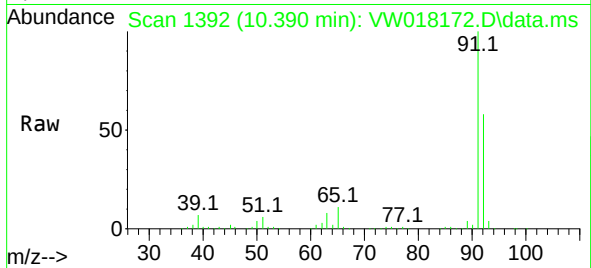




#44
Toluene
Concen: 40.16 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW018172.D
Acq: 16 Feb 2021 19:03

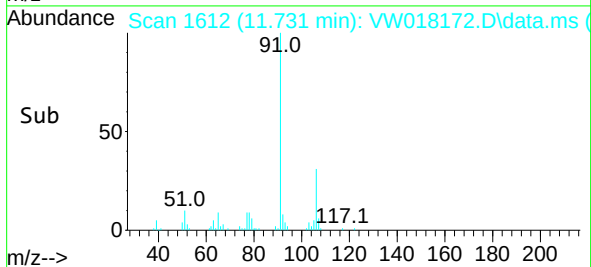
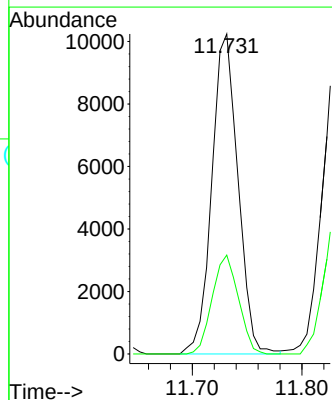
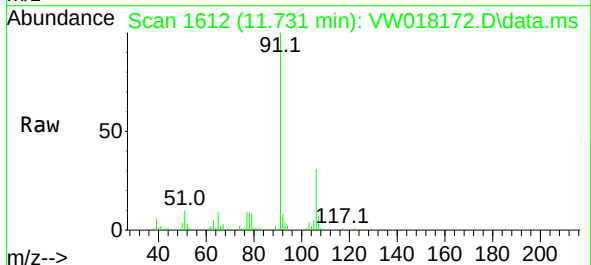
Instrument :
MSVOA_W
ClientSampleId :
DBH01

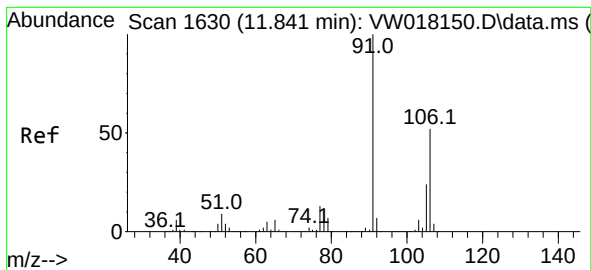
Tgt Ion: 91 Resp: 585008
Ion Ratio Lower Upper
91 100
92 58.1 41.6 77.3



#53
Ethylbenzene
Concen: 1.03 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018172.D
Acq: 16 Feb 2021 19:03

Tgt Ion: 91 Resp: 16970
Ion Ratio Lower Upper
91 100
106 30.9 21.1 39.1

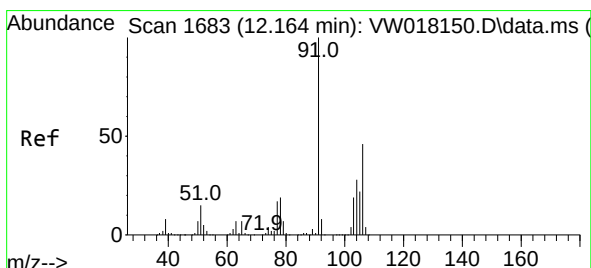
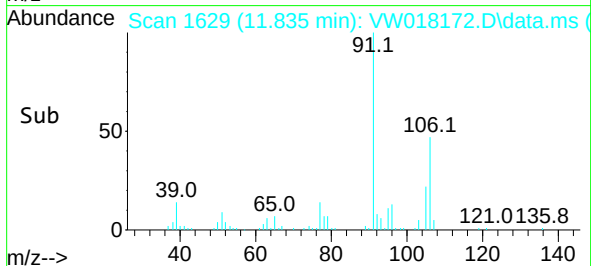
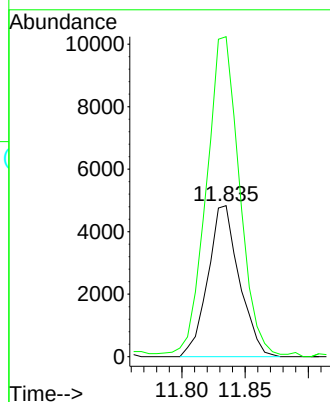
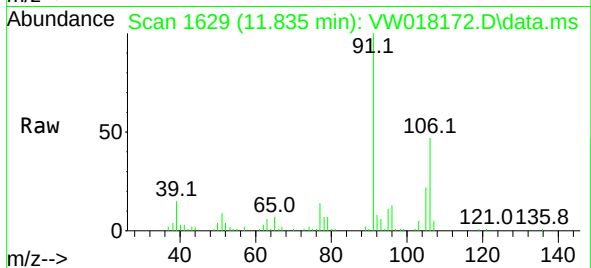




#54
m,p-Xylene
Concen: 1.32 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018172.D
Acq: 16 Feb 2021 19:03

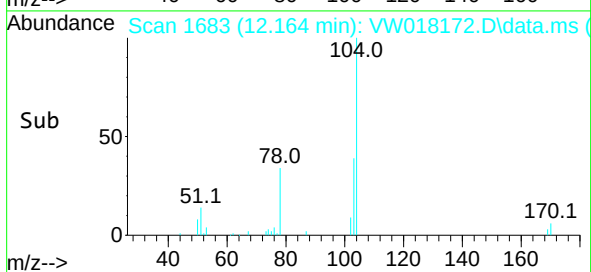
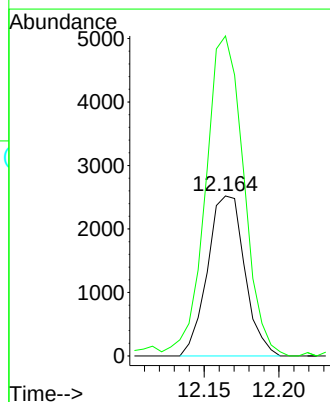
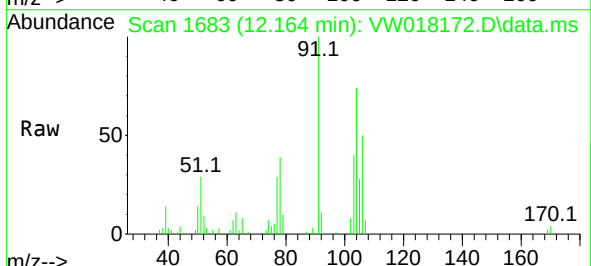
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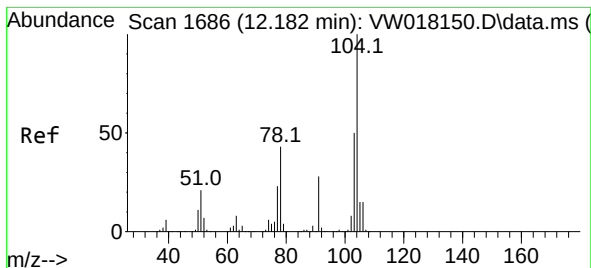
Tgt Ion:106 Resp: 8352
Ion Ratio Lower Upper
106 100
91 211.8 136.4 253.4



#55
o-xylene
Concen: 0.73 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018172.D
Acq: 16 Feb 2021 19:03

Tgt Ion:106 Resp: 4358
Ion Ratio Lower Upper
106 100
91 200.0 147.6 274.2





#56

Styrene

Concen: 1.76 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VW018172.D

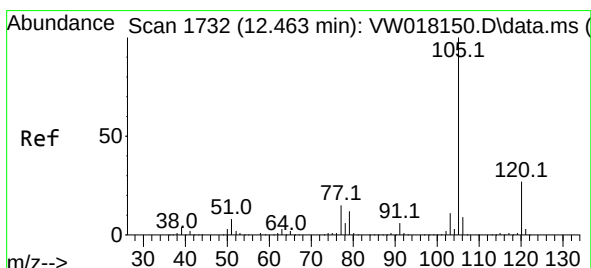
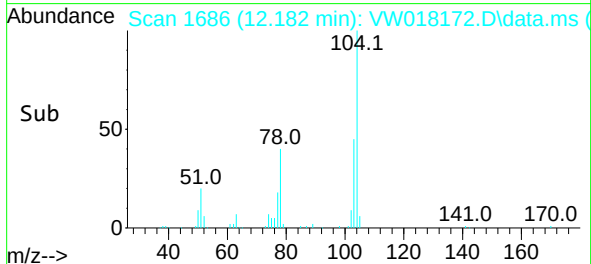
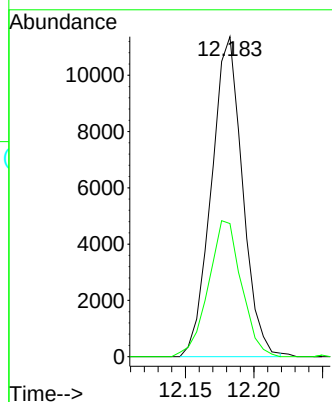
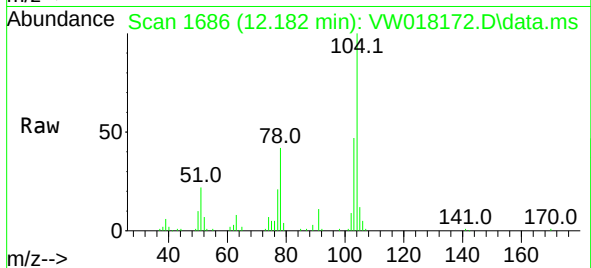
Acq: 16 Feb 2021 19:03

Tgt Ion:104 Resp: 17950

Ion Ratio Lower Upper

104 100

78 41.6 31.3 58.1



#57

Isopropylbenzene

Concen: 0.43 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW018172.D

Acq: 16 Feb 2021 19:03

Tgt Ion:105 Resp: 7210

Ion Ratio Lower Upper

105 100

120 25.9 21.4 32.2

77 24.0 12.1 18.1#

