

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021621\
 Data File : VW018171.D
 Acq On : 16 Feb 2021 18:39
 Operator : SY/VA
 Sample : M1414-14
 Misc : 4.58G/10ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGZ9

Quant Time: Feb 17 01:08:45 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)

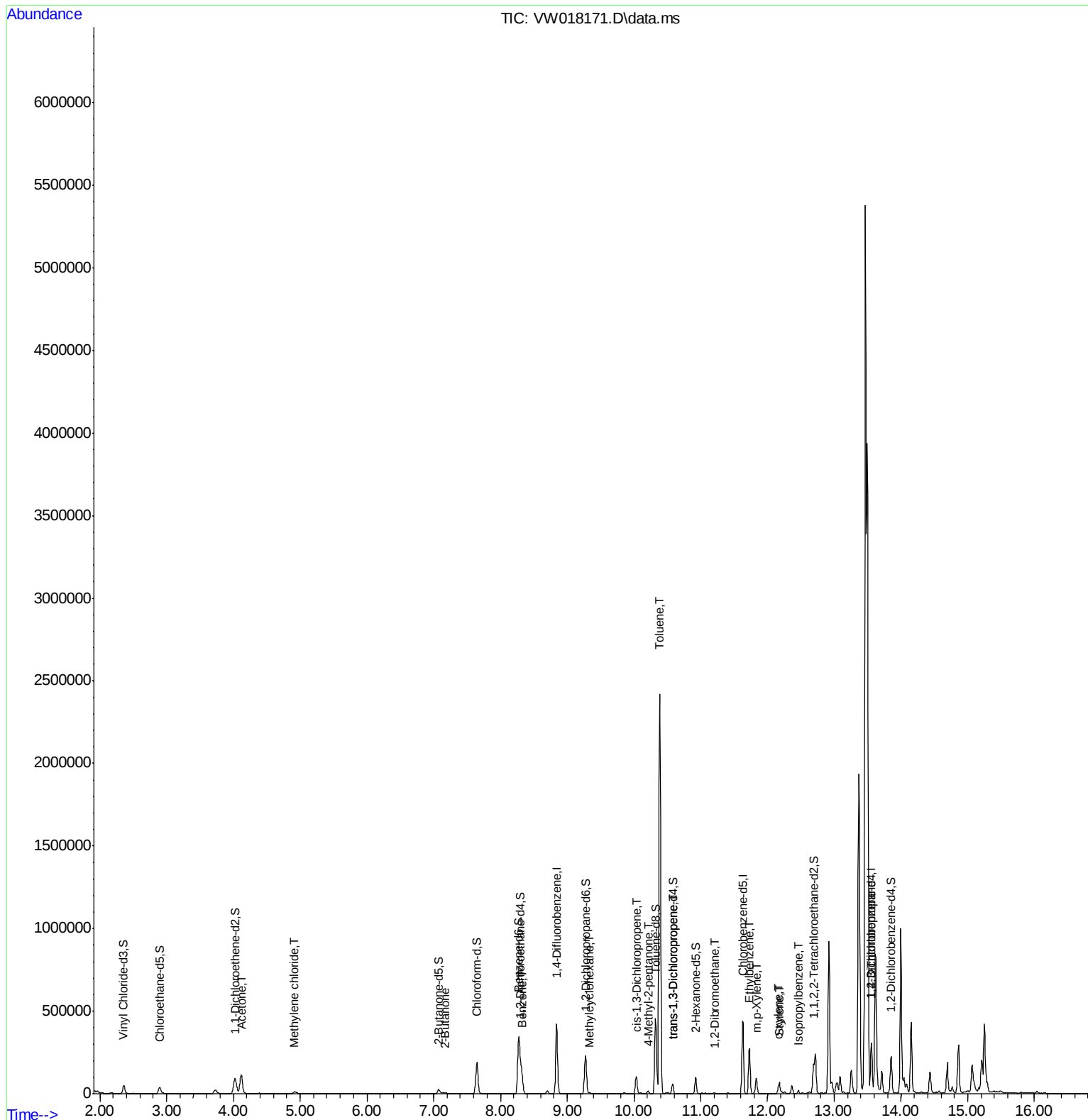
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	379439	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	271172	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	84310	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	62039	13.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	52.64%		
7) Chloroethane-d5	2.898	69	61390	16.40	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	65.60%		
10) 1,1-Dichloroethene-d2	4.025	63	107194	11.37	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	45.48%		
20) 2-Butanone-d5	7.074	46	44367	35.26	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	70.52%		
24) Chloroform-d	7.647	84	196562	19.74	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	78.96%		
26) 1,2-Dichloroethane-d4	8.305	65	93792	17.68	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	70.72%		
29) Benzene-d6	8.275	84	370359	24.87	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	99.48%		
33) 1,2-Dichloropropane-d6	9.274	67	108832	26.13	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	104.52%		
37) Toluene-d8	10.323	98	308624	21.78	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	87.12%		
38) trans-1,3-Dichloroprop...	10.579	79	34387	18.22	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	72.88%		
39) 2-Hexanone-d5	10.921	63	35652	44.78	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	89.56%		
48) 1,1,2,2-Tetrachloroeth...	12.689	84	71891	19.65	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	78.60%		
61) 1,2-Dichlorobenzene-d4	13.853	152	61744	20.53	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	82.12%		
Target Compounds						Qvalue
13) Acetone	4.117	43	202853	217.88	ug/L	98
16) Methylene chloride	4.916	84	9878	1.62	ug/L	79
21) 2-Butanone	7.171	43	7509	5.30	ug/L #	71
34) Benzene	8.323	78	85861	5.42	ug/L	100
36) Methylcyclohexane	9.335	83	2309	0.31	ug/L	92
42) cis-1,3-Dichloropropene	10.037	75	2744	0.47	ug/L #	79
43) 4-Methyl-2-pentanone	10.213	43	10622	4.70	ug/L #	94
44) Toluene	10.384	91	1832601	105.05	ug/L	97
45) trans-1,3-Dichloropropene	10.579	75	1436	0.28	ug/L #	66
51) 1,2-Dibromoethane	11.207	107	838	0.27	ug/L #	57
53) Ethylbenzene	11.731	91	200481	10.11	ug/L	97
54) m,p-Xylene	11.835	106	28848	3.82	ug/L	99
55) o-xylene	12.164	106	10328	1.44	ug/L	92
56) Styrene	12.176	104	28696	2.35	ug/L	98
57) Isopropylbenzene	12.463	105	11524	0.58	ug/L #	94
59) 1,2,3-Trichloropropane	13.554	75	8071	2.90	ug/L	92

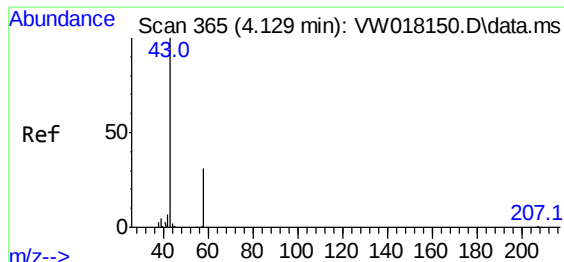
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Feb 17 01:02:43 2021
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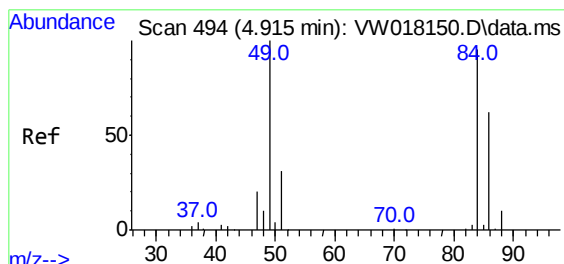
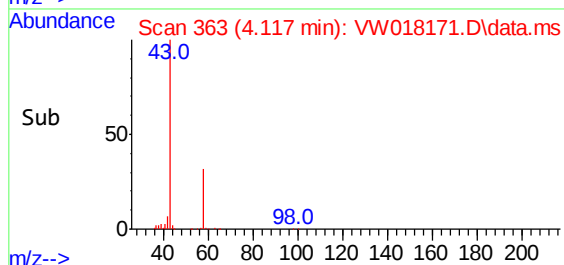
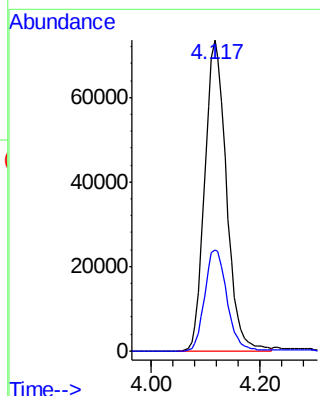
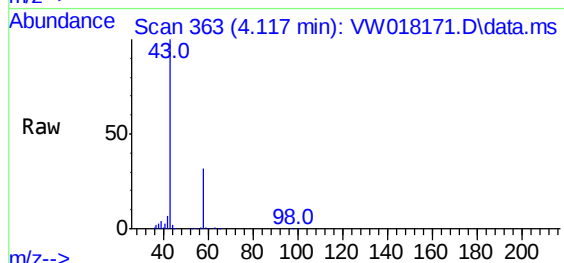




#13
Acetone
Concen: 217.88 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.012 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

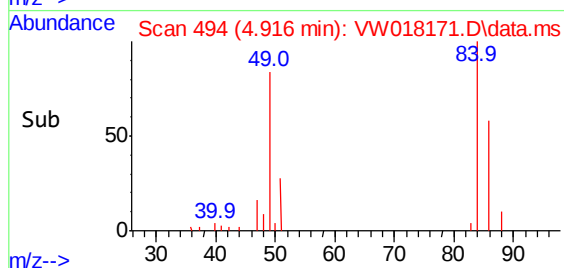
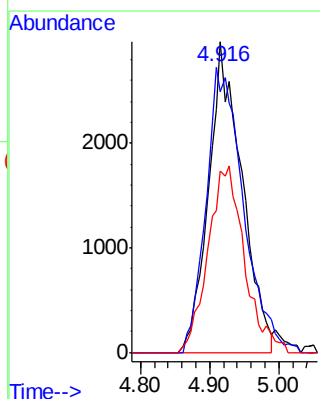
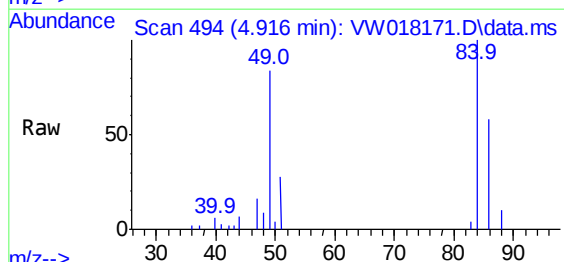
Instrument :
MSVOA_W
ClientSampled :
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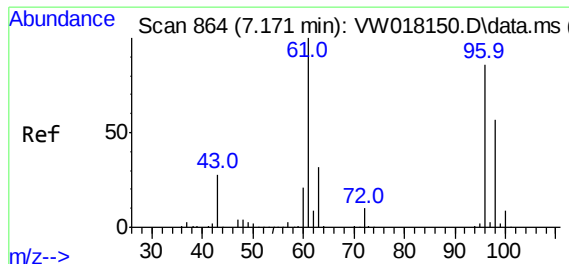
Tgt Ion: 43 Resp: 202853
Ion Ratio Lower Upper
43 100
58 33.2 0.0 68.4



#16
Methylene chloride
Concen: 1.62 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

Tgt Ion: 84 Resp: 9878
Ion Ratio Lower Upper
84 100
49 83.9 81.2 150.8
86 58.3 44.5 82.7

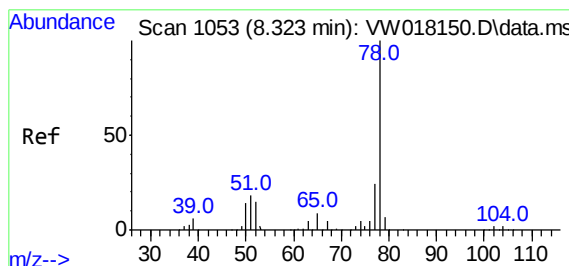
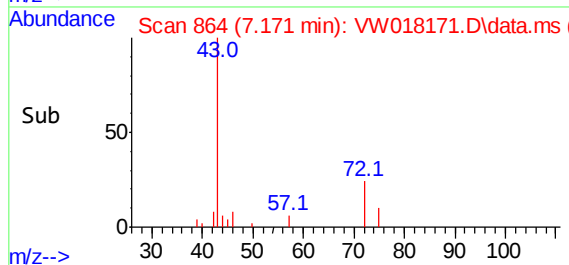
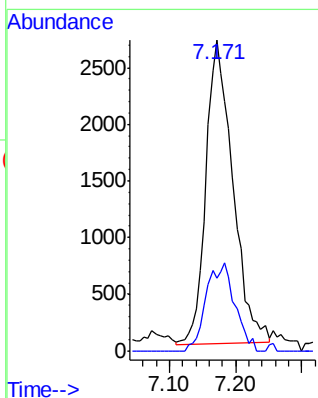
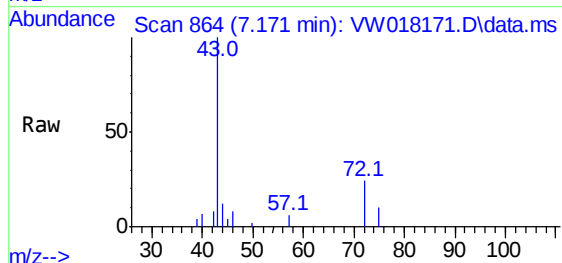




#21
2-Butanone
Concen: 5.30 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

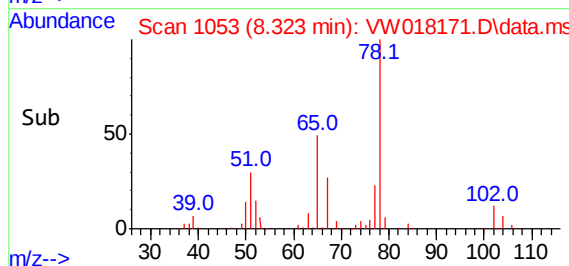
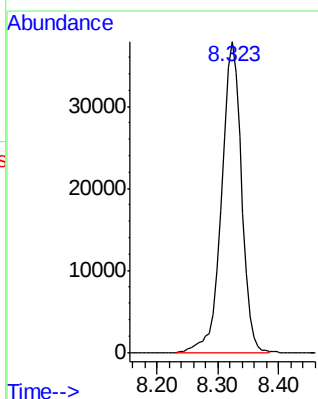
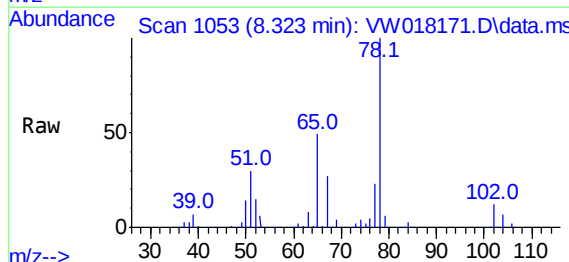
Instrument :
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ClientSampleId :
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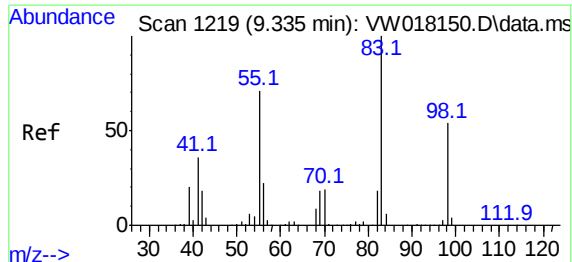
Tgt Ion: 43 Resp: 7509
Ion Ratio Lower Upper
43 100
72 13.6 14.4 43.2#



#34
Benzene
Concen: 5.42 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

Tgt Ion: 78 Resp: 85861

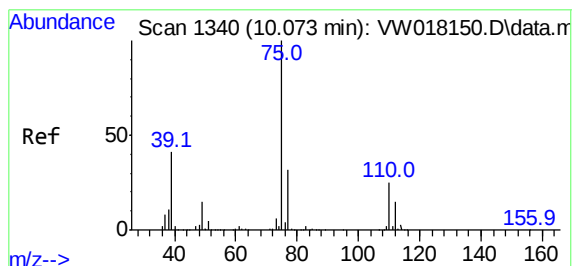
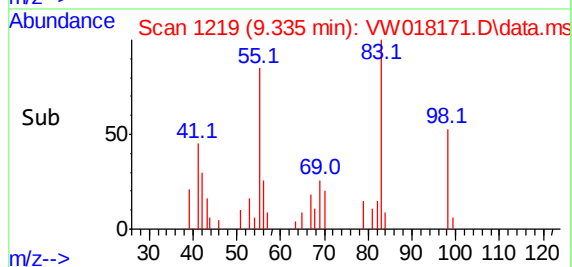
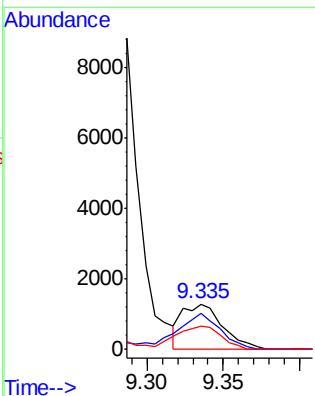
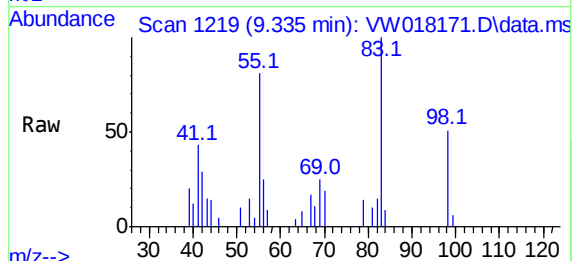




#36
Methylcyclohexane
Concen: 0.31 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

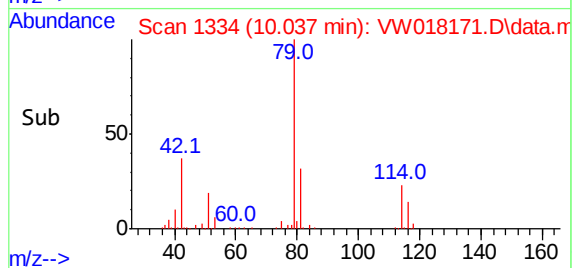
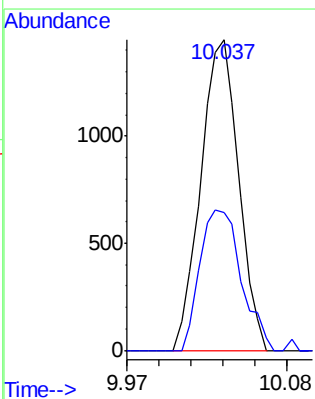
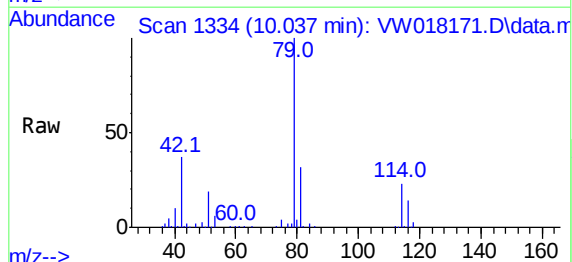
Instrument :
MSVOA_W
ClientSampled :
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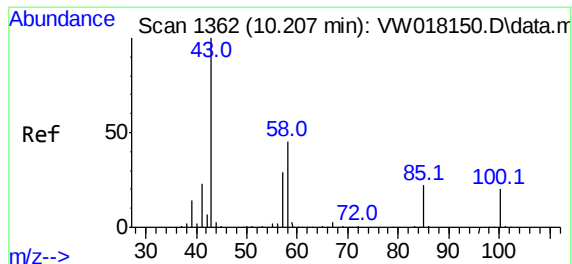
Tgt Ion: 83 Resp: 2309
Ion Ratio Lower Upper
83 100
55 80.5 59.4 89.0
98 56.5 40.7 61.1



#42
cis-1,3-Dichloropropene
Concen: 0.47 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.036 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

Tgt Ion: 75 Resp: 2744
Ion Ratio Lower Upper
75 100
77 44.3 22.7 42.3#

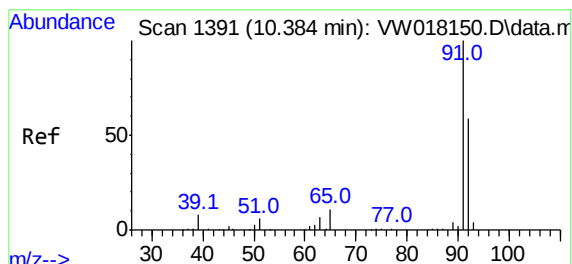
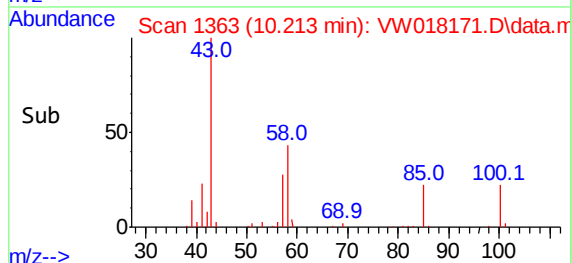
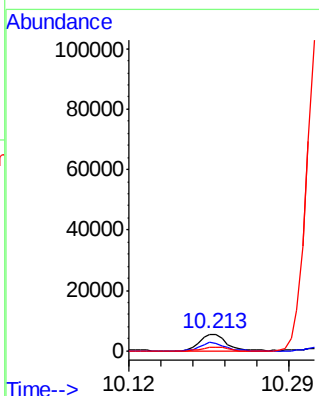
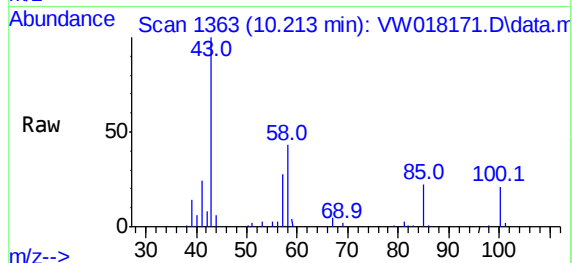




#43
4-Methyl-2-pentanone
Concen: 4.70 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

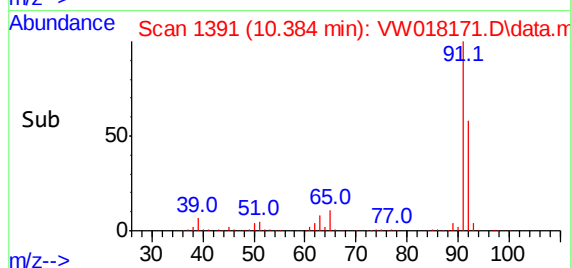
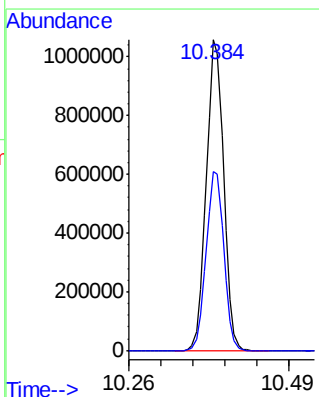
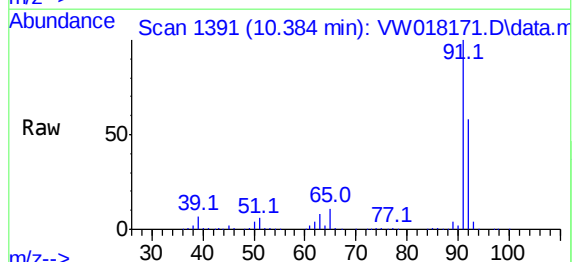
Instrument :
MSVOA_W
ClientSampled :
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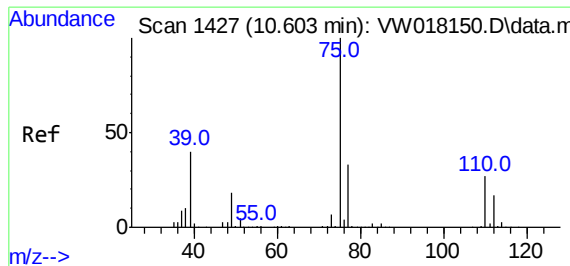
Tgt Ion: 43 Resp: 10622
Ion Ratio Lower Upper
43 100
58 42.7 31.6 47.4
100 21.2 14.1 21.1#



#44
Toluene
Concen: 105.05 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

Tgt Ion: 91 Resp: 1832601
Ion Ratio Lower Upper
91 100
92 57.6 41.6 77.3

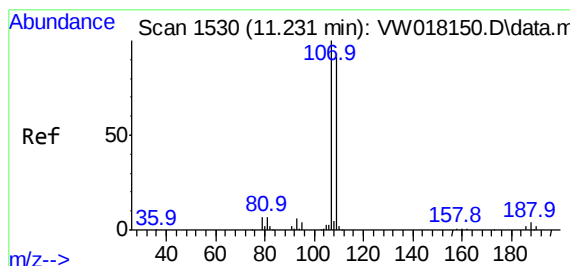
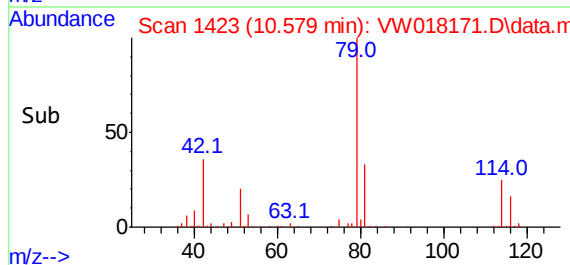
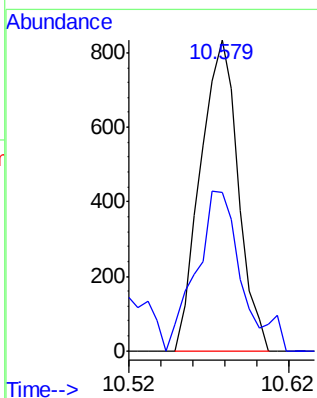
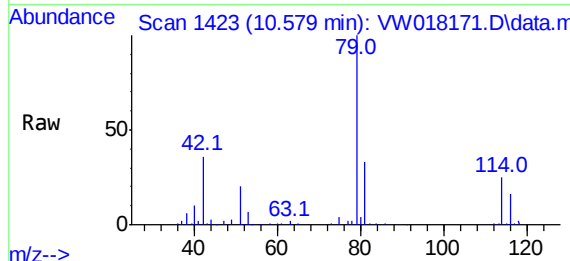




#45
trans-1,3-Dichloropropene
Concen: 0.28 ug/L
RT: 10.579 min Scan# 1423
Delta R.T. -0.024 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

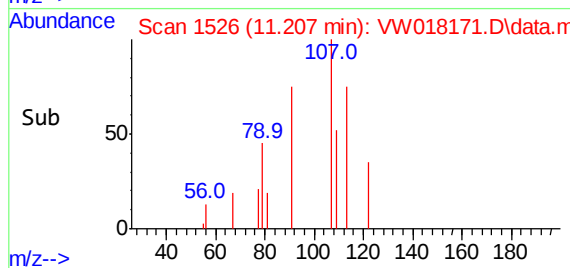
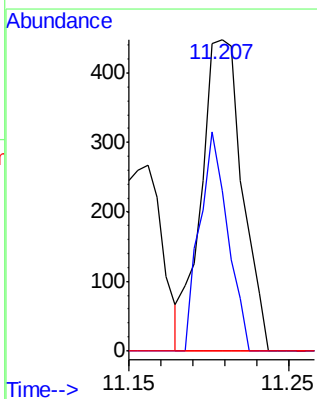
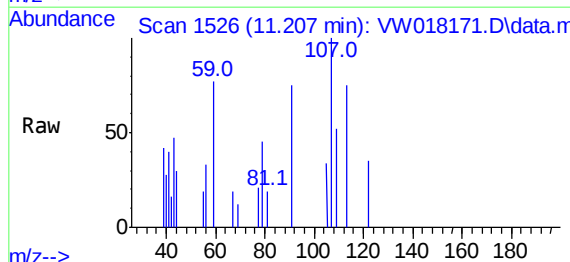
Instrument :
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ClientSampled :
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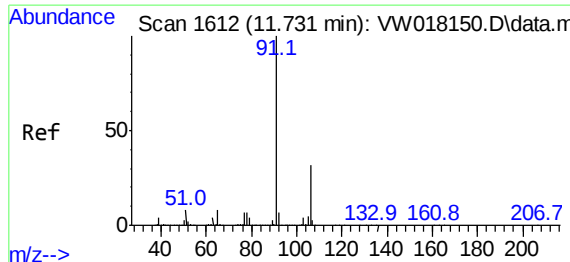
Tgt Ion: 75 Resp: 1436
Ion Ratio Lower Upper
75 100
77 51.1 22.6 42.0#



#51
1,2-Dibromoethane
Concen: 0.27 ug/L
RT: 11.207 min Scan# 1526
Delta R.T. -0.024 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

Tgt Ion: 107 Resp: 838
Ion Ratio Lower Upper
107 100
109 51.6 66.4 123.2#
188 0.0 4.0 6.0#

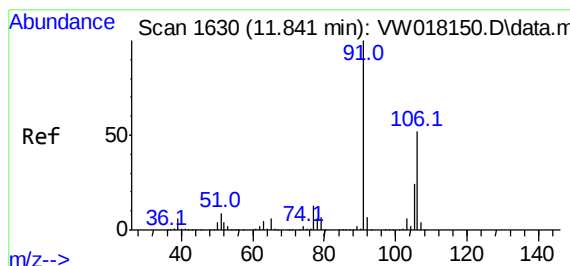
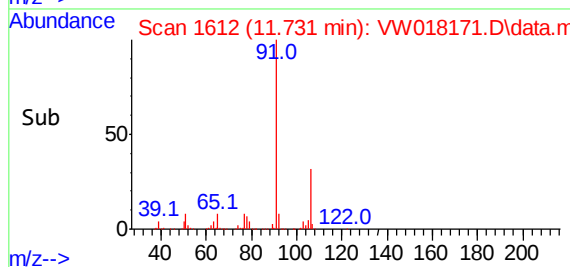
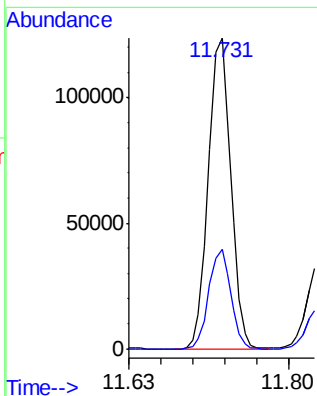
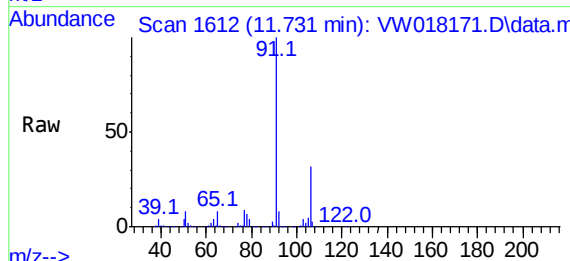




#53
Ethylbenzene
Concen: 10.11 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

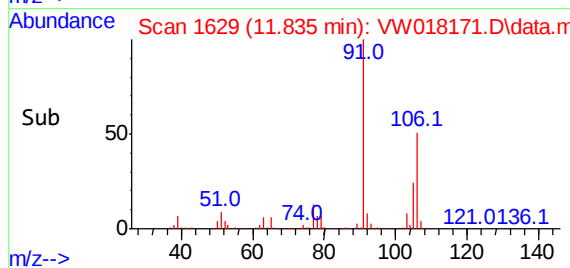
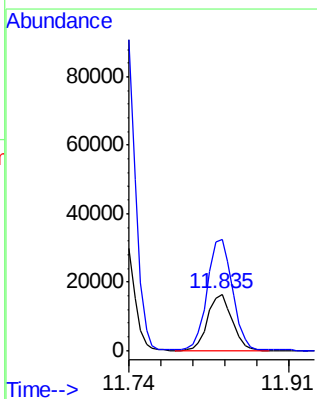
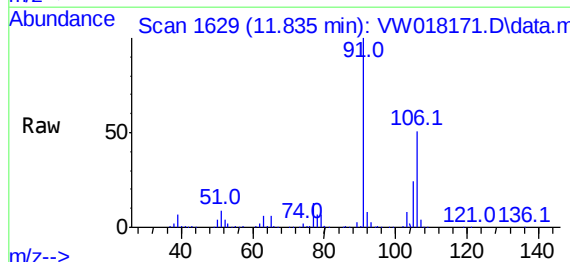
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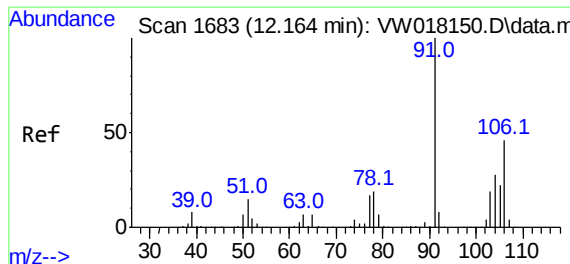
Tgt Ion: 91 Resp: 200481
Ion Ratio Lower Upper
91 100
106 32.0 21.1 39.1



#54
m,p-Xylene
Concen: 3.82 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

Tgt Ion: 106 Resp: 28848
Ion Ratio Lower Upper
106 100
91 196.5 136.4 253.4

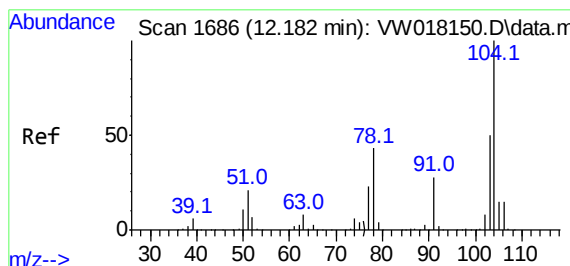
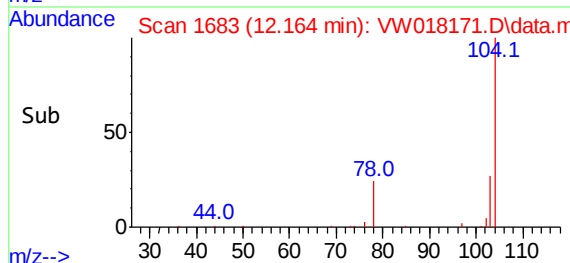
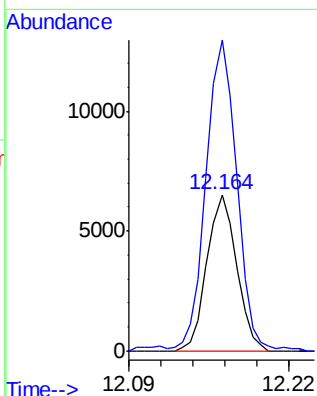
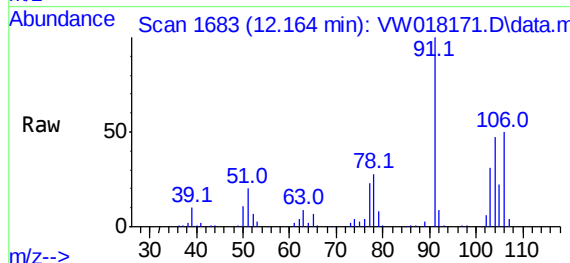




#55
o-xylene
Concen: 1.44 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

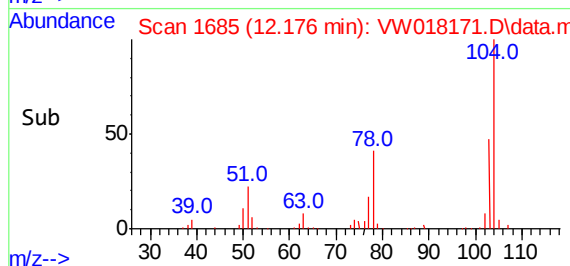
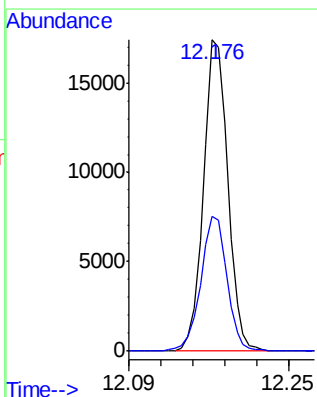
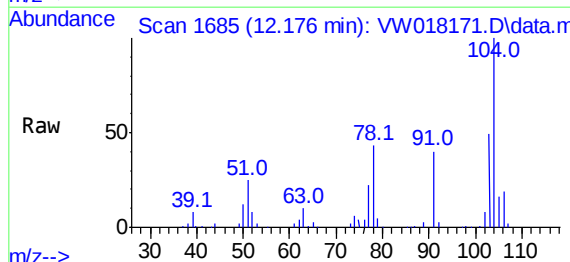
Instrument :
MSVOA_W
ClientSampleId :
DBGZ9

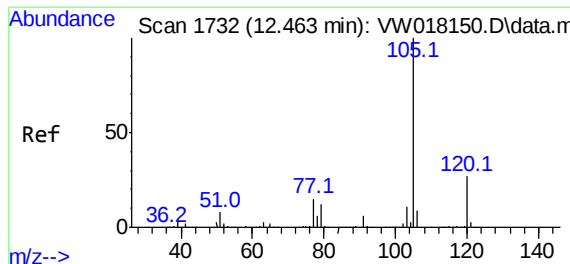
Tgt Ion:106 Resp: 10328
Ion Ratio Lower Upper
106 100
91 198.6 147.6 274.2



#56
Styrene
Concen: 2.35 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

Tgt Ion:104 Resp: 28696
Ion Ratio Lower Upper
104 100
78 43.3 31.3 58.1

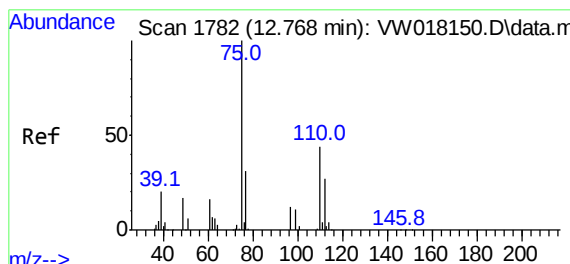
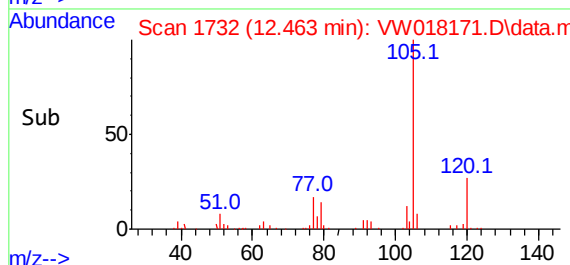
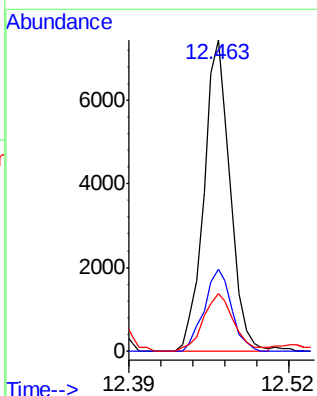
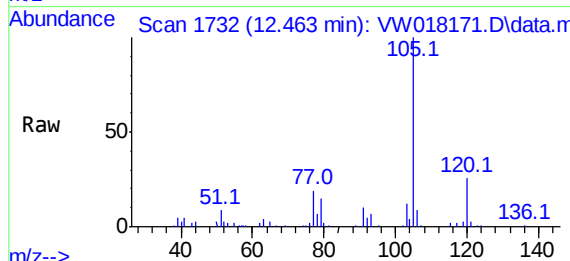




#57
Isopropylbenzene
Concen: 0.58 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

Instrument :
MSVOA_W
ClientSampleId :
DBGZ9

Tgt Ion:	105	Resp:	11524
Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.4	32.2
77	21.3	12.1	18.1



#59
1,2,3-Trichloropropane
Concen: 2.90 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.787 min
Lab File: VW018171.D
Acq: 16 Feb 2021 18:39

Tgt Ion:	75	Resp:	8071
Ion	Ratio	Lower	Upper
75	100		
77	28.4	26.6	39.8

