

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
 Data File : VW018190.D
 Acq On : 17 Feb 2021 16:36
 Operator : SY/VA
 Sample : M1414-09RE
 Misc : 5.72G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 18 06:18:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 18 06:15:22 2021
 Response via : Initial Calibration

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

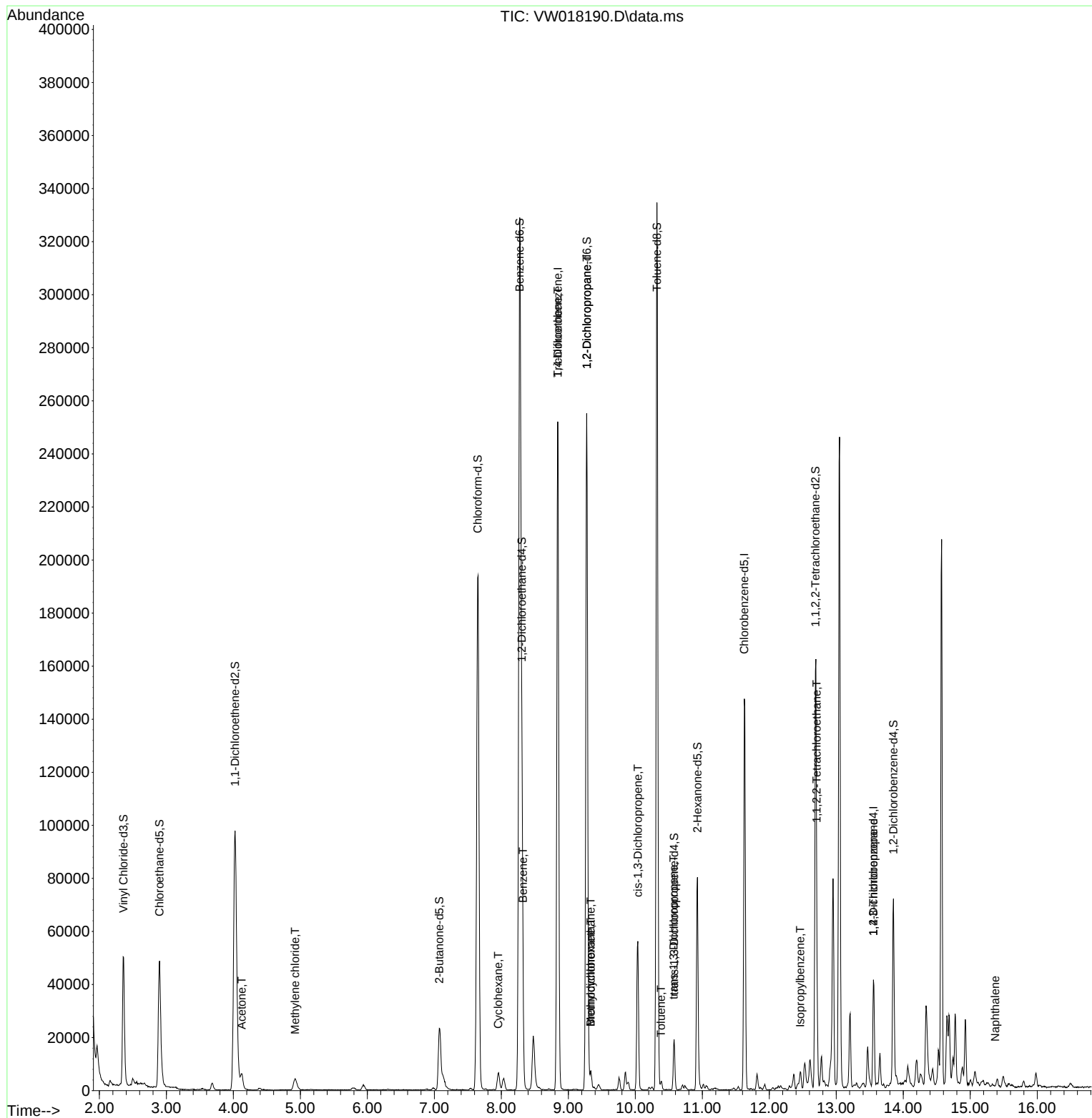
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	223990	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	89245	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	12046	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	60841	21.86	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.44%		
7) Chloroethane-d5	2.898	69	71111	32.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	128.76%		
10) 1,1-Dichloroethene-d2	4.025	63	109910	19.75	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	79.00%		
20) 2-Butanone-d5	7.074	46	39561	53.25	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	106.50%		
24) Chloroform-d	7.647	84	204786	34.84	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	139.36%		
26) 1,2-Dichloroethane-d4	8.305	65	84285	26.92	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	107.68%		
29) Benzene-d6	8.275	84	357175	72.89	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	291.56%#		
33) 1,2-Dichloropropane-d6	9.275	67	120522	87.94	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	351.76%#		
37) Toluene-d8	10.323	98	230578	49.45	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	197.80%#		
38) trans-1,3-Dichloroprop...	10.579	79	11245	18.10	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	72.40%		
39) 2-Hexanone-d5	10.927	63	28835	110.04	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	220.08%#		
48) 1,1,2,2-Tetrachloroeth...	12.689	84	72976	60.62	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	242.48%#		
61) 1,2-Dichlorobenzene-d4	13.853	152	19380	45.10	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	180.40%#		
Target Compounds						Qvalue
13) Acetone	4.123	43	9579	17.43	ug/L	97
16) Methylene chloride	4.922	84	4438	1.24	ug/L	85
30) Cyclohexane	7.952	56	3524	1.73	ug/L	95
34) Benzene	8.323	78	1679	0.32	ug/L	100
35) Trichloroethene	8.842	95	6125	4.17	ug/L #	3
36) Methylcyclohexane	9.335	83	2479	1.00	ug/L	93
40) 1,2-Dichloropropane	9.275	63	13256	11.07	ug/L #	85
41) Bromodichloromethane	9.335	83	2124	1.24	ug/L #	24
42) cis-1,3-Dichloropropene	10.037	75	1302	0.67	ug/L #	76
44) Toluene	10.384	91	2475	0.43	ug/L #	75
45) trans-1,3-Dichloropropene	10.573	75	462	0.28	ug/L #	49
57) Isopropylbenzene	12.463	105	3347	0.51	ug/L #	86
58) 1,1,2,2-Tetrachloroethane	12.707	83	528	0.44	ug/L #	58
59) 1,2,3-Trichloropropane	13.554	75	1392	1.52	ug/L	94
69) Naphthalene	15.371	128	268	0.28	ug/L #	69

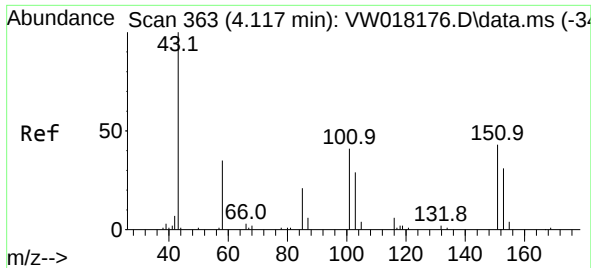
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
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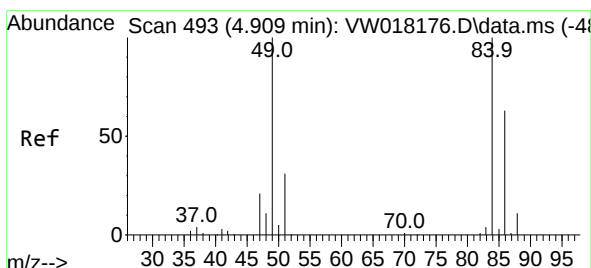
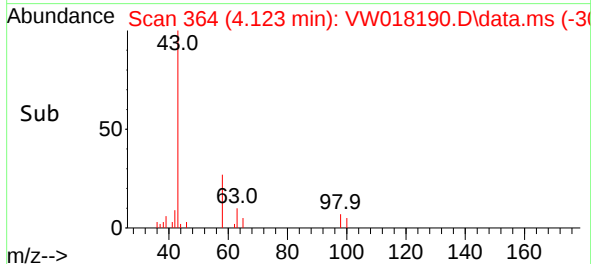
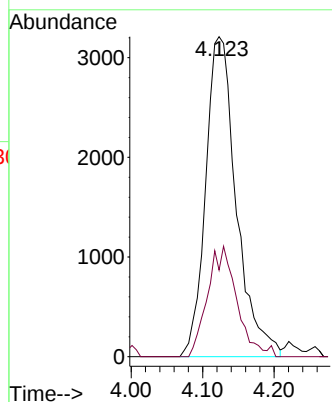
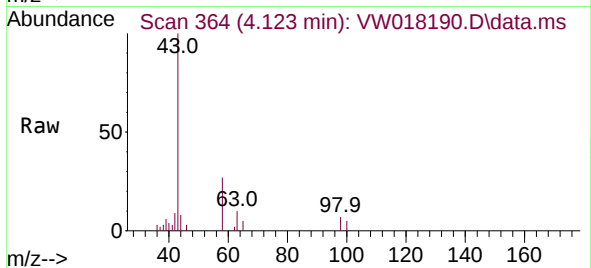




#13
Acetone
Concen: 17.43 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

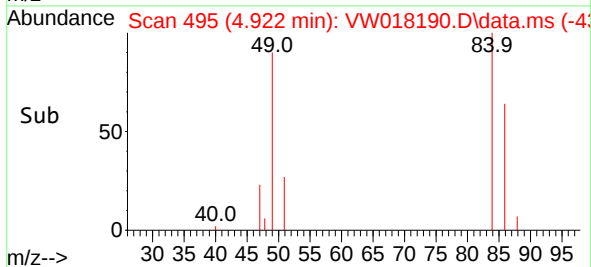
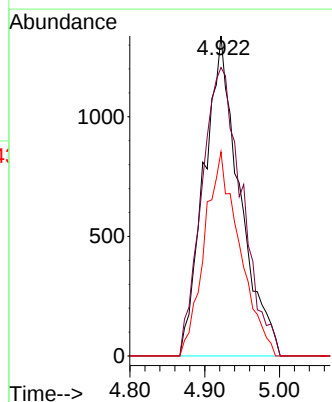
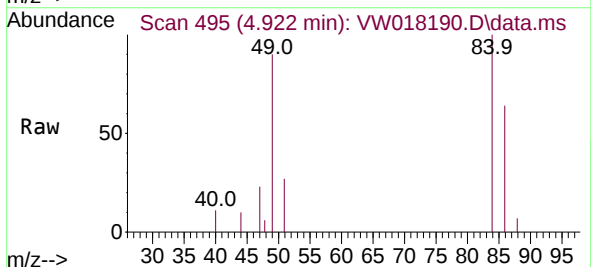
Instrument :
MSVOA_W
ClientSampled :

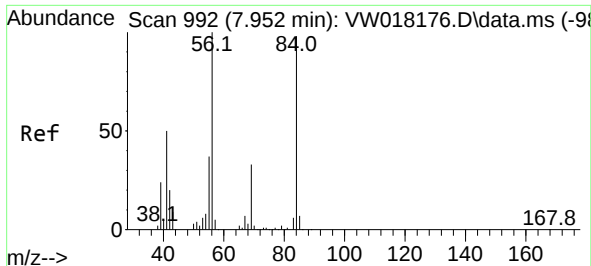
Tgt Ion: 43 Resp: 9579
Ion Ratio Lower Upper
43 100
58 32.5 0.0 68.4



#16
Methylene chloride
Concen: 1.24 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.012 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

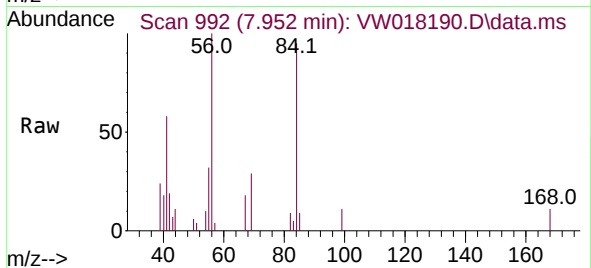
Tgt Ion: 84 Resp: 4438
Ion Ratio Lower Upper
84 100
49 90.1 81.2 150.8
86 63.8 44.5 82.7



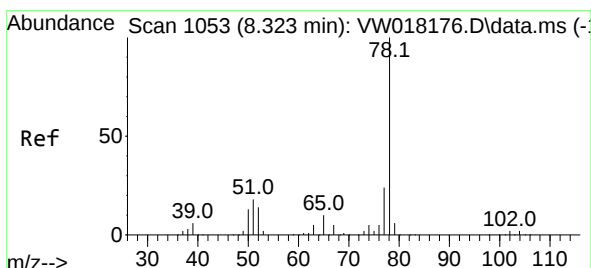
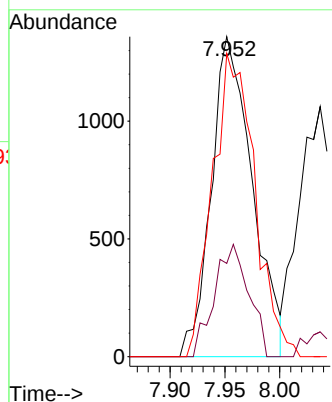
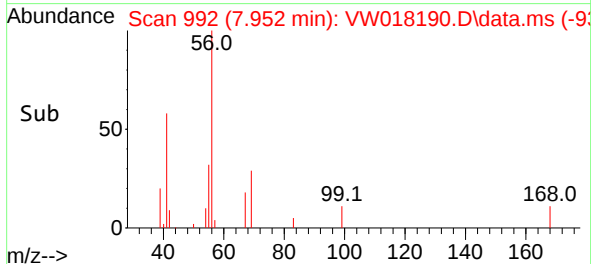


#30
Cyclohexane
Concen: 1.73 ug/L
RT: 7.952 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

Instrument :
MSVOA_W
ClientSampled :

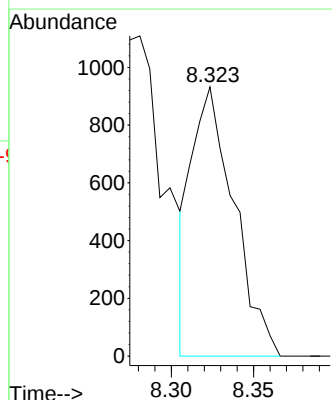
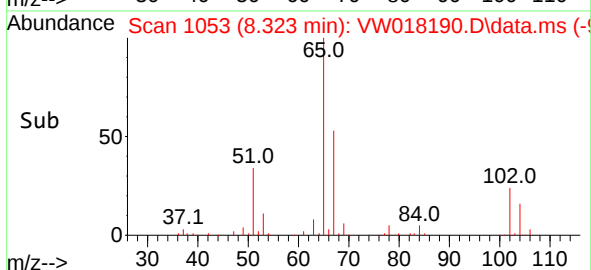
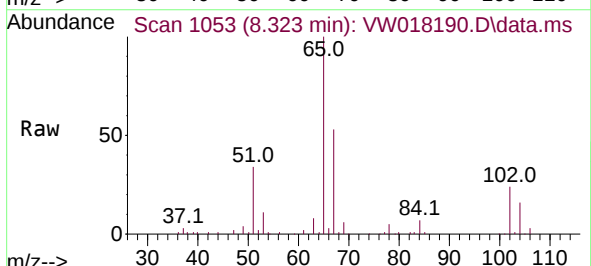


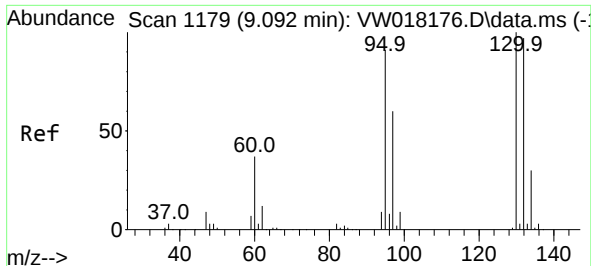
Tgt Ion: 56 Resp: 3524
Ion Ratio Lower Upper
56 100
69 29.6 24.8 37.2
84 97.8 74.2 111.4



#34
Benzene
Concen: 0.32 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

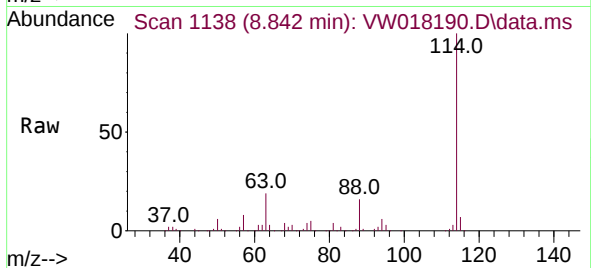
Tgt Ion: 78 Resp: 1679





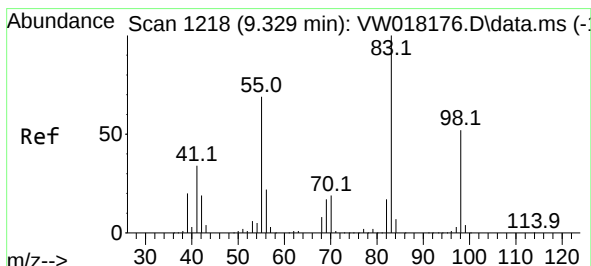
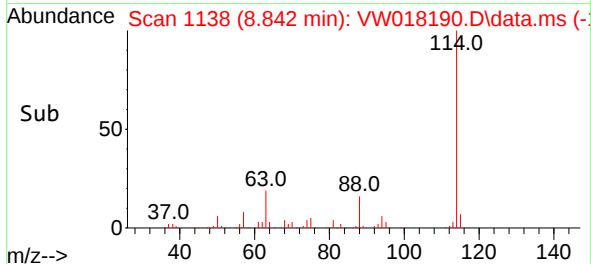
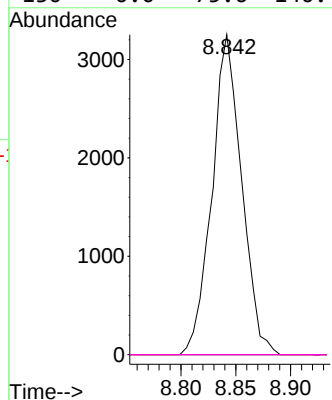
#35
Trichloroethene
Concen: 4.17 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

Instrument :
MSVOA_W
ClientSampled :



Tgt Ion: 95 Resp: 6125

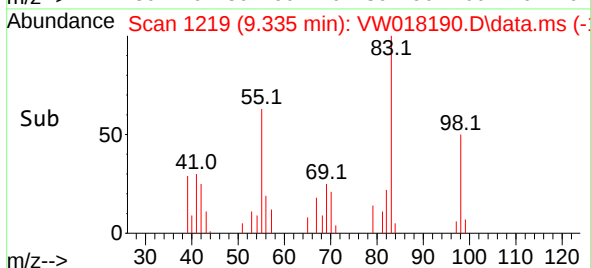
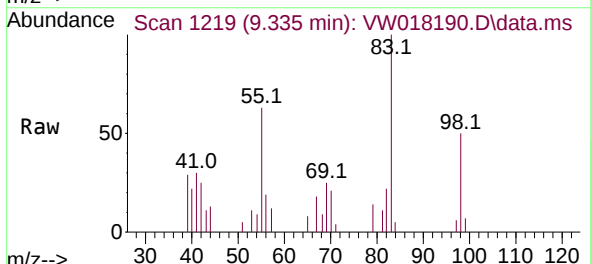
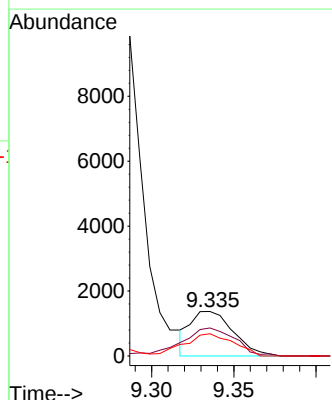
Ion	Ratio	Lower	Upper
95	100		
97	0.0	45.0	83.6#
132	0.0	71.0	131.8#
130	0.0	75.6	140.4#

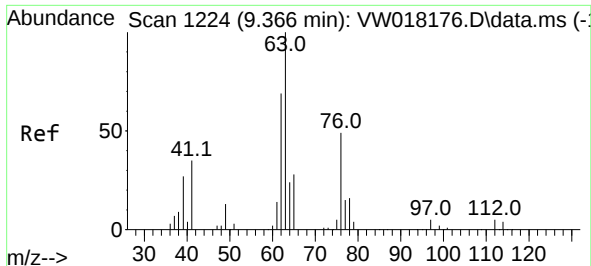


#36
Methylcyclohexane
Concen: 1.00 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.006 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

Tgt Ion: 83 Resp: 2479

Ion	Ratio	Lower	Upper
83	100		
55	69.4	59.4	89.0
98	57.6	40.7	61.1





#40

1,2-Dichloropropane

Concen: 11.07 ug/L

RT: 9.275 min Scan# 1209

Delta R.T. -0.091 min

Lab File: VW018190.D

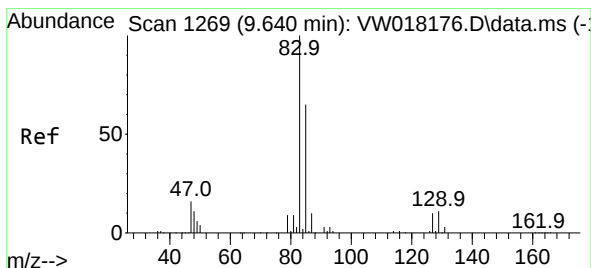
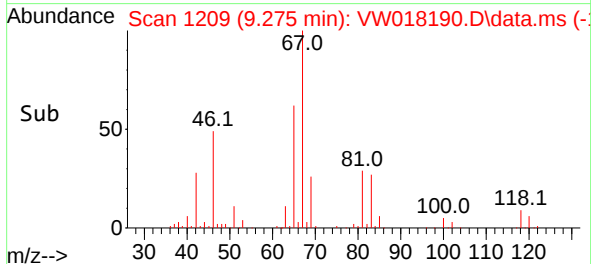
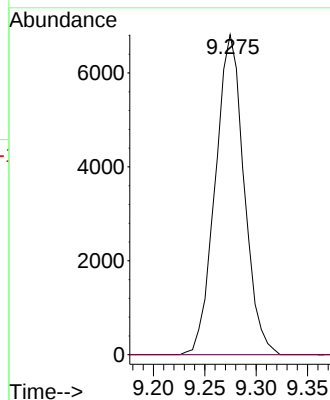
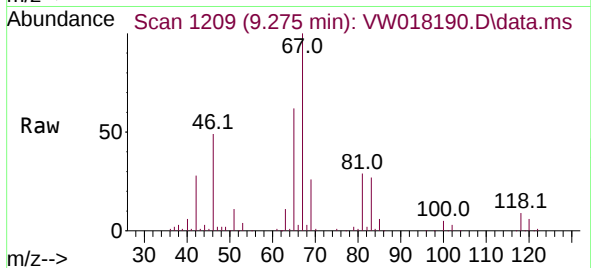
Acq: 17 Feb 2021 16:36

Tgt Ion: 63 Resp: 13256

Ion Ratio Lower Upper

63 100

112 0.4 4.2 6.4#



#41

Bromodichloromethane

Concen: 1.24 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.305 min

Lab File: VW018190.D

Acq: 17 Feb 2021 16:36

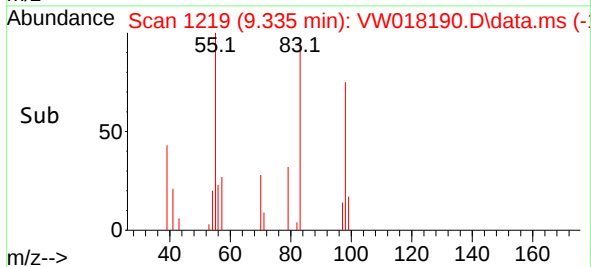
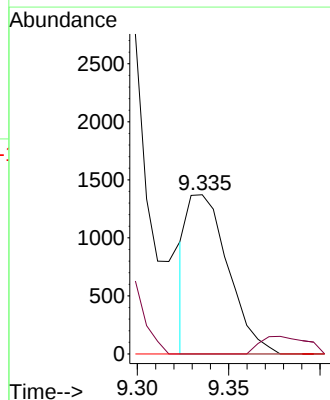
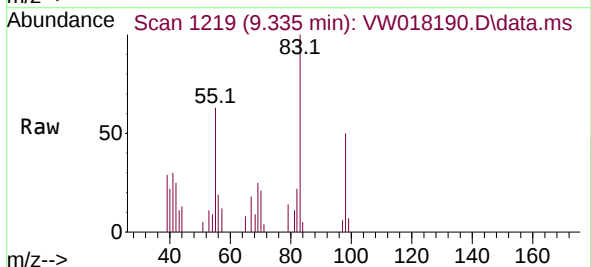
Tgt Ion: 83 Resp: 2124

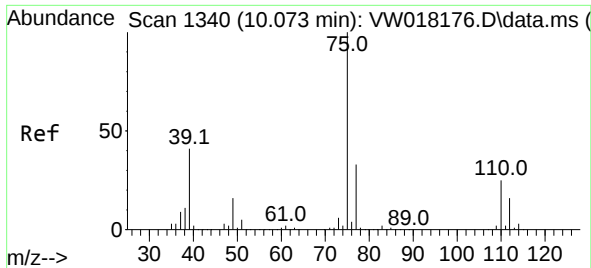
Ion Ratio Lower Upper

83 100

85 0.0 46.8 86.8#

127 0.0 7.6 11.4#

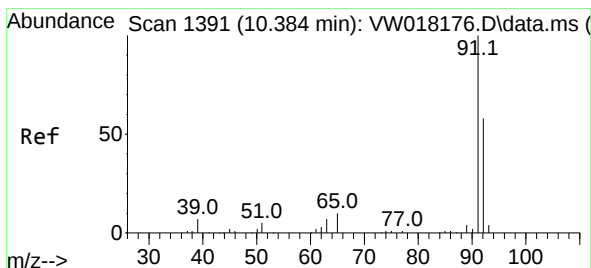
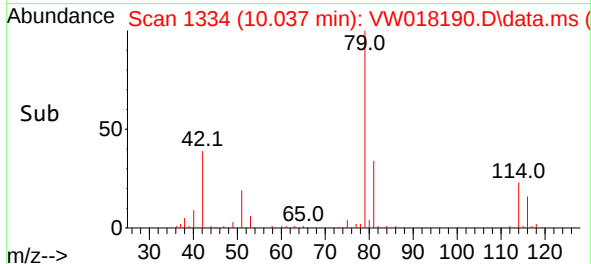
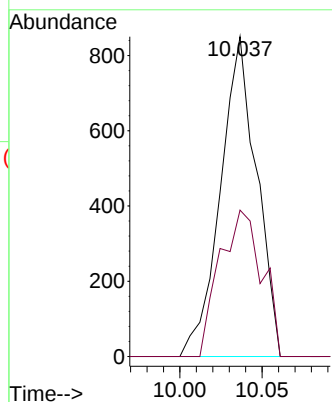
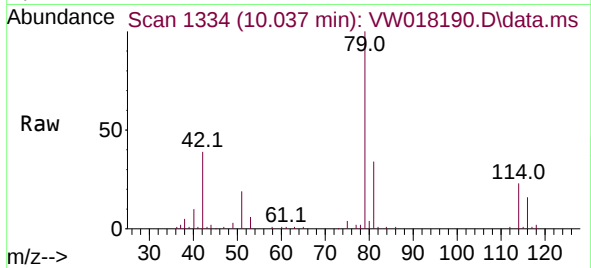




#42
 cis-1,3-Dichloropropene
 Concen: 0.67 ug/L
 RT: 10.037 min Scan# 1334
 Delta R.T. -0.037 min
 Lab File: VW018190.D
 Acq: 17 Feb 2021 16:36

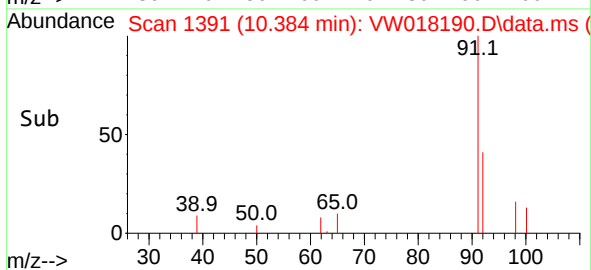
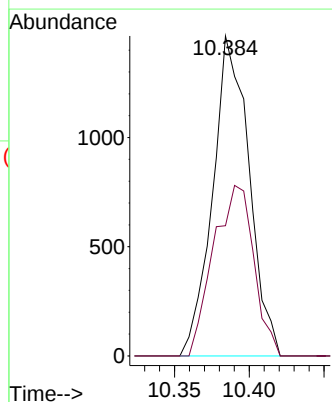
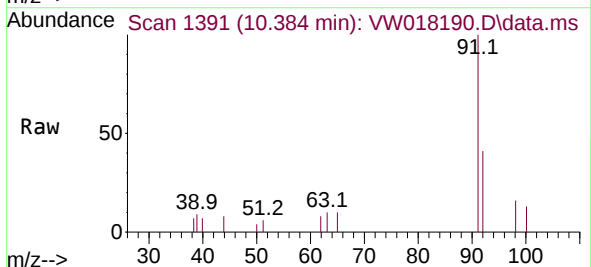
Instrument :
 MSVOA_W
 ClientSampled :

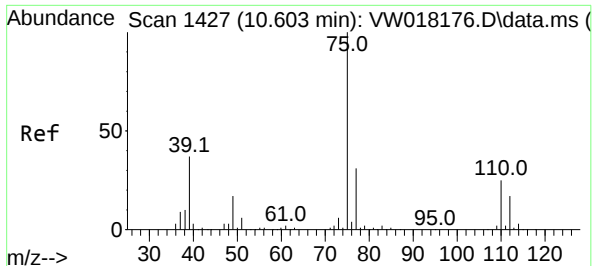
Tgt Ion: 75 Resp: 1302
 Ion Ratio Lower Upper
 75 100
 77 45.8 22.7 42.3#



#44
 Toluene
 Concen: 0.43 ug/L
 RT: 10.384 min Scan# 1391
 Delta R.T. 0.000 min
 Lab File: VW018190.D
 Acq: 17 Feb 2021 16:36

Tgt Ion: 91 Resp: 2475
 Ion Ratio Lower Upper
 91 100
 92 40.7 41.6 77.3#

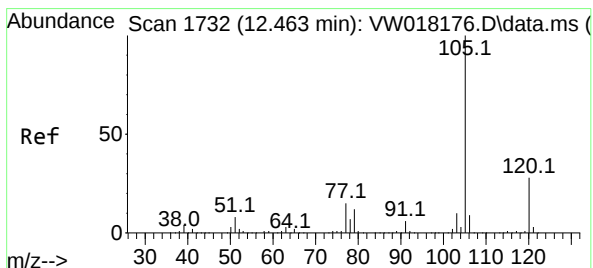
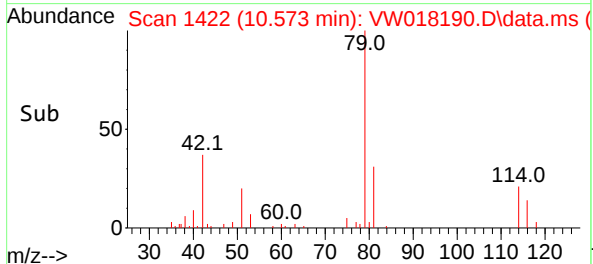
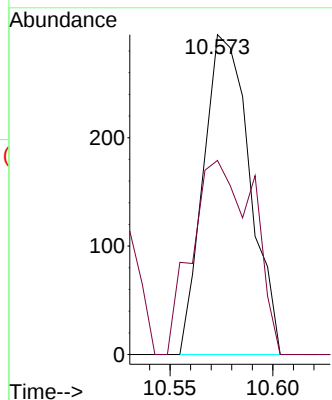
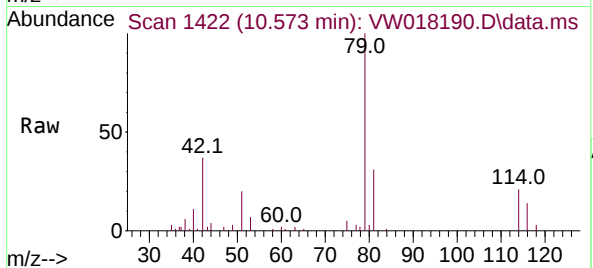




#45
trans-1,3-Dichloropropene
Concen: 0.28 ug/L
RT: 10.573 min Scan# 1422
Delta R.T. -0.030 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

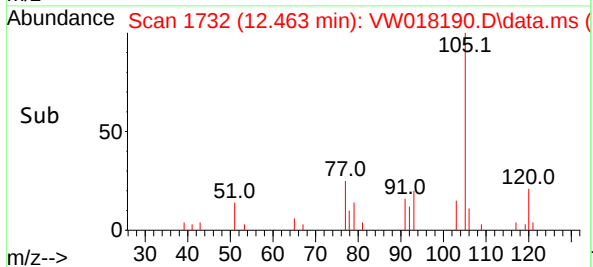
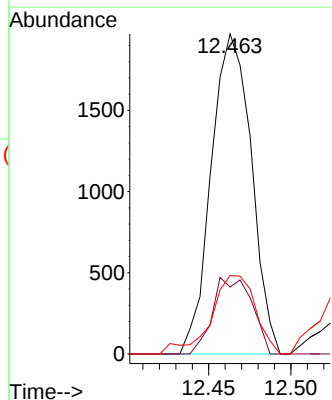
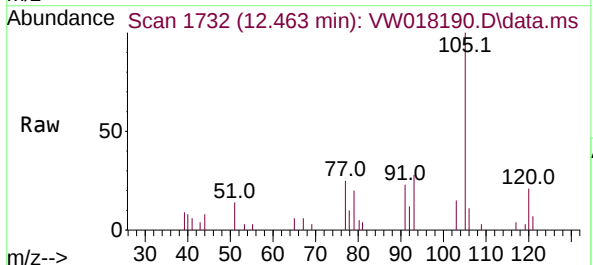
Instrument :
MSVOA_W
ClientSampled :

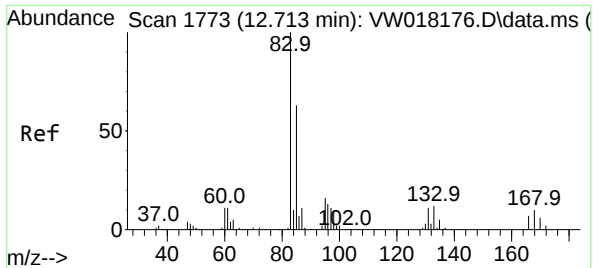
Tgt Ion: 75 Resp: 462
Ion Ratio Lower Upper
75 100
77 60.7 22.6 42.0#



#57
Isopropylbenzene
Concen: 0.51 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

Tgt Ion: 105 Resp: 3347
Ion Ratio Lower Upper
105 100
120 23.2 21.4 32.2
77 25.8 12.1 18.1#

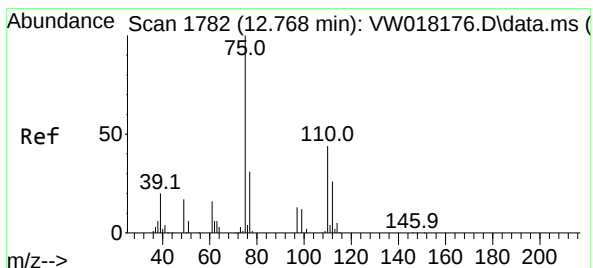
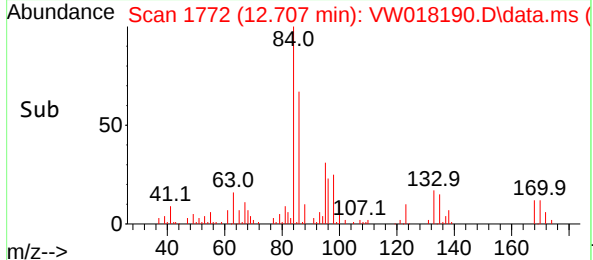
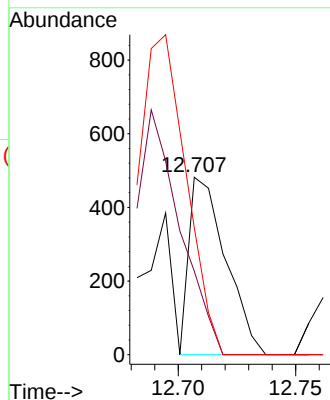
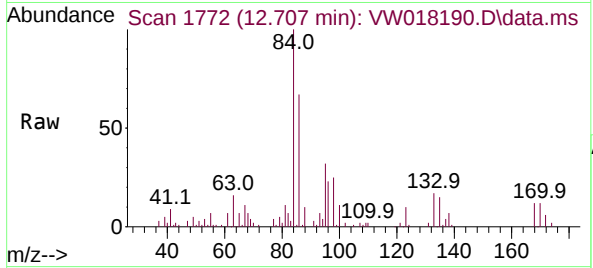




#58
1,1,2,2-Tetrachloroethane
Concen: 0.44 ug/L
RT: 12.707 min Scan# 1772
Delta R.T. -0.006 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

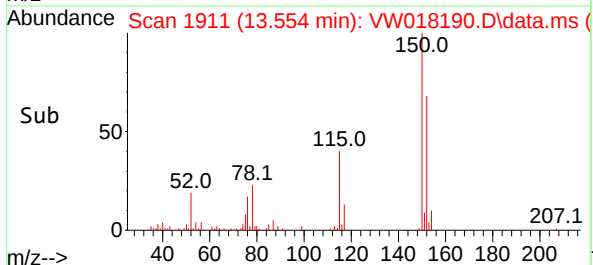
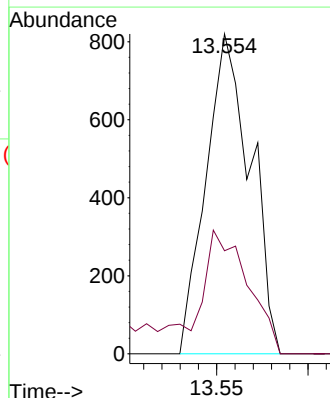
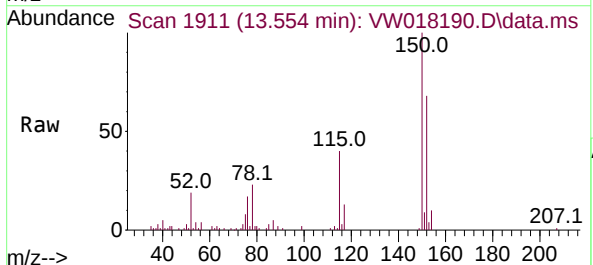
Instrument :
MSVOA_W
ClientSampleId :

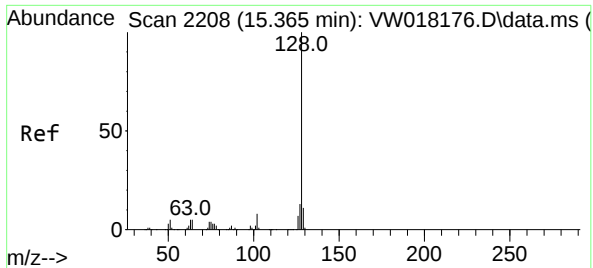
Tgt Ion: 83 Resp: 528
Ion Ratio Lower Upper
83 100
85 47.1 45.3 84.1
131 71.6 8.3 12.5#



#59
1,2,3-Trichloropropane
Concen: 1.52 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.787 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

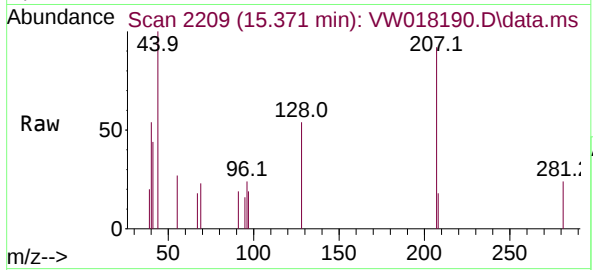
Tgt Ion: 75 Resp: 1392
Ion Ratio Lower Upper
75 100
77 36.7 26.6 39.8





#69
Naphthalene
Concen: 0.28 ug/L
RT: 15.371 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VW018190.D
Acq: 17 Feb 2021 16:36

Instrument :
MSVOA_W
ClientSampled :



Tgt Ion:	128	Resp:	268
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.7	13.1#
127	0.0	10.7	16.1#

