

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
 Data File : VW018143.D
 Acq On : 15 Feb 2021 18:16
 Operator : SY/VA
 Sample : M1370-20RE
 Misc : 7.15G/10ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGZ8RE

Quant Time: Feb 16 02:27:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 16 02:20:15 2021
 Response via : Initial Calibration

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

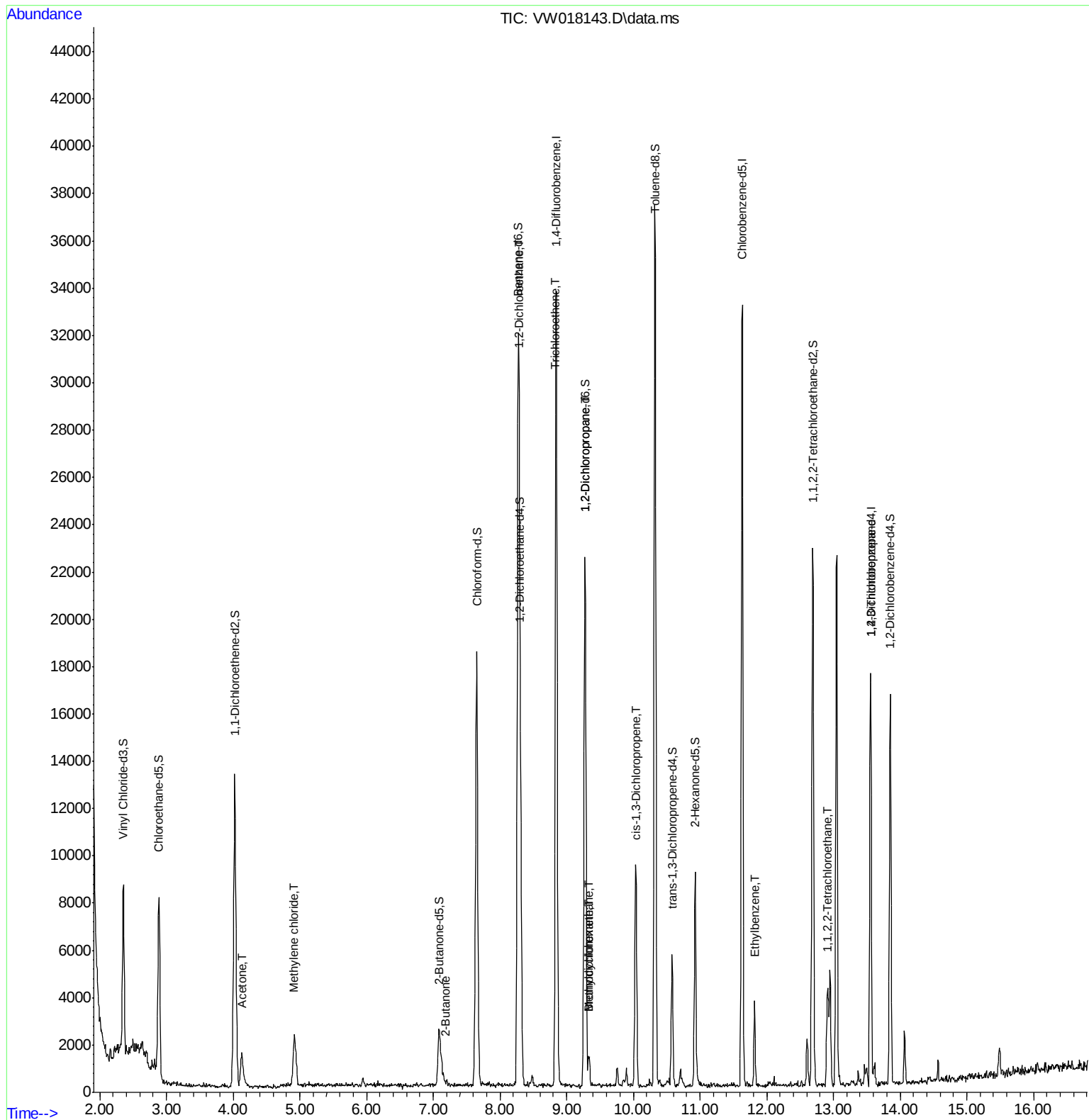
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	31491	25.00	ug/L	0.01
28) Chlorobenzene-d5	11.634	117	20474	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	5405	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	6841	17.48	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	69.92%		
7) Chloroethane-d5	2.885	69	8063	25.96	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	103.84%		
10) 1,1-Dichloroethene-d2	4.019	63	11881	15.19	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	60.76%		
20) 2-Butanone-d5	7.086	46	4424	42.36	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	84.72%		
24) Chloroform-d	7.653	84	19232	23.27	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	93.08%		
26) 1,2-Dichloroethane-d4	8.305	65	10396	23.62	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	94.48%		
29) Benzene-d6	8.275	84	34960	31.10	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	124.40%		
33) 1,2-Dichloropropane-d6	9.274	67	10813	34.39	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	137.56%#		
37) Toluene-d8	10.329	98	25588	23.92	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	95.68%		
38) trans-1,3-Dichloroprop...	10.579	79	3444	24.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	96.64%		
39) 2-Hexanone-d5	10.927	63	3324	55.29	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	110.58%		
48) 1,1,2,2-Tetrachloroeth...	12.688	84	8813	31.91	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	127.64%#		
61) 1,2-Dichlorobenzene-d4	13.853	152	4799	24.89	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	99.56%		
Target Compounds						Qvalue
13) Acetone	4.129	43	3048	39.45	ug/L	85
16) Methylene chloride	4.915	84	1788	3.54	ug/L	87
21) 2-Butanone	7.177	43	90	0.77	ug/L #	46
27) 1,2-Dichloroethane	8.287	62	114	0.22	ug/L #	73
35) Trichloroethene	8.835	95	883	2.62	ug/L #	3
36) Methylcyclohexane	9.335	83	620	1.09	ug/L #	35
40) 1,2-Dichloropropane	9.274	63	1219	4.44	ug/L #	84
41) Bromodichloromethane	9.335	83	373	0.95	ug/L #	24
42) cis-1,3-Dichloropropene	10.043	75	286	0.65	ug/L #	64
53) Ethylbenzene	11.823	91	687	0.46	ug/L #	45
58) 1,1,2,2-Tetrachloroethane	12.908	83	188	0.68	ug/L #	25
59) 1,2,3-Trichloropropane	13.560	75	599	2.85	ug/L	99

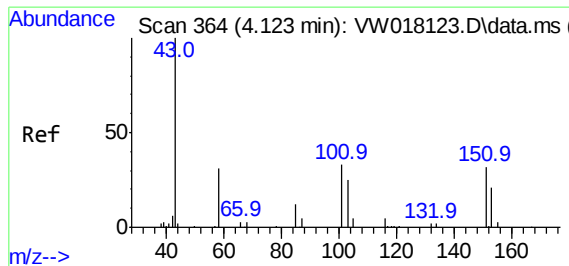
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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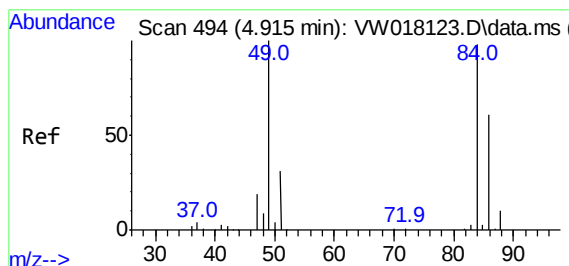
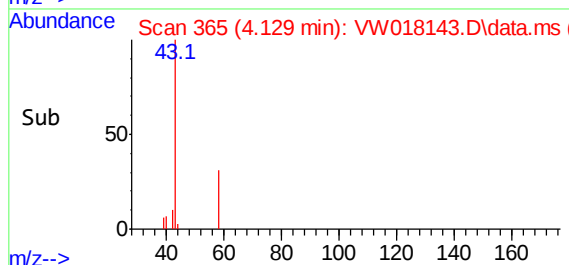
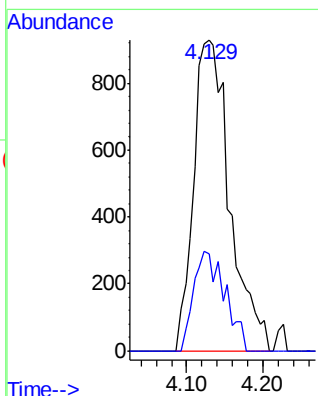
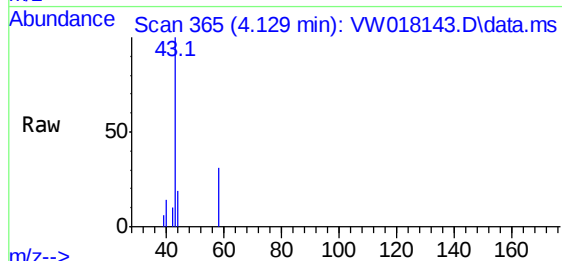




#13
Acetone
Concen: 39.45 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

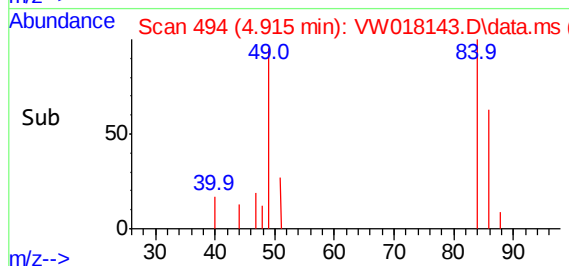
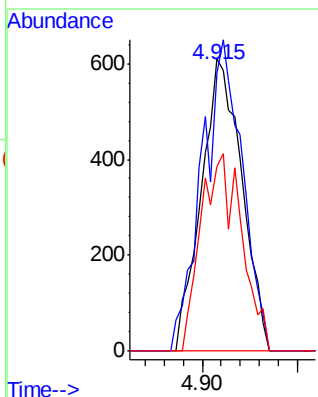
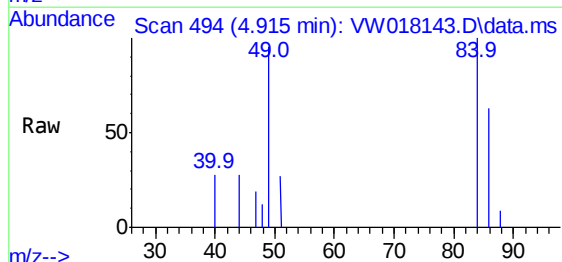
Instrument :
MSVOA_W
ClientSampleId :
DBGZ8RE

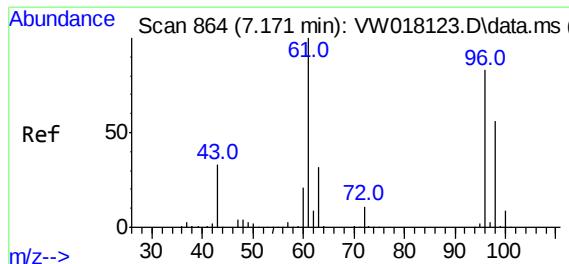
Tgt Ion: 43 Resp: 3048
Ion Ratio Lower Upper
43 100
58 25.6 0.0 68.4



#16
Methylene chloride
Concen: 3.54 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

Tgt Ion: 84 Resp: 1788
Ion Ratio Lower Upper
84 100
49 95.1 81.2 150.8
86 63.1 44.5 82.7

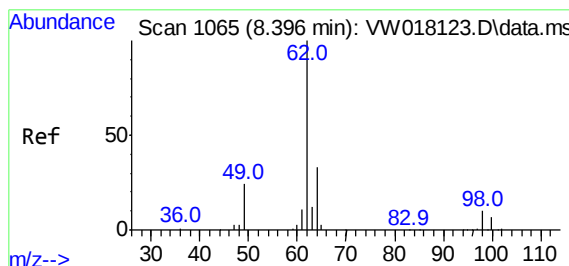
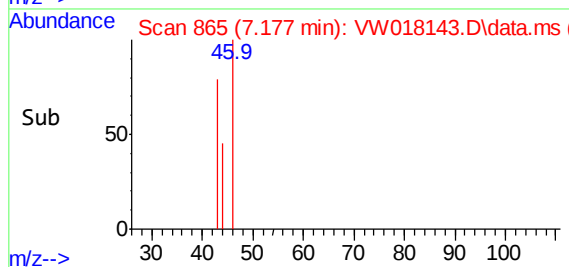
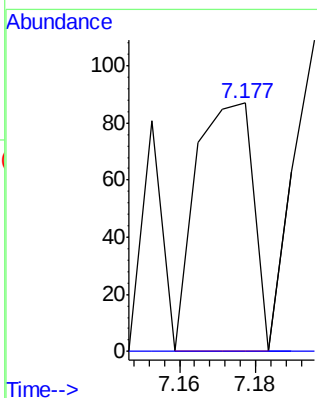
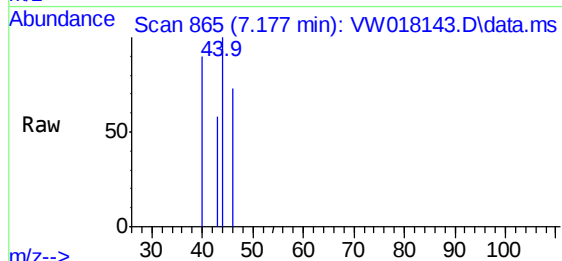




#21
2-Butanone
Concen: 0.77 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

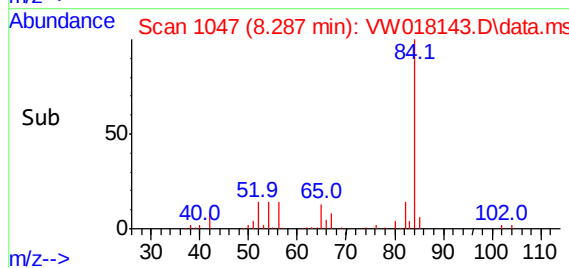
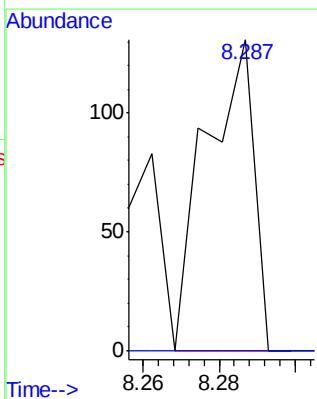
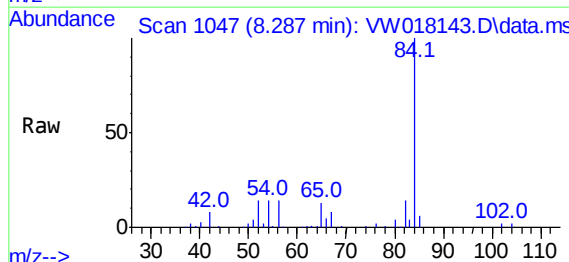
Instrument :
MSVOA_W
ClientSampleId :
DBGZ8RE

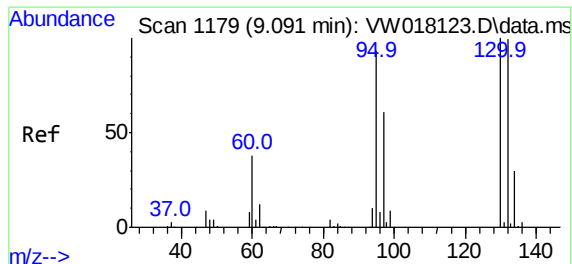
Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
72 0.0 14.4 43.2#



#27
1,2-Dichloroethane
Concen: 0.22 ug/L
RT: 8.287 min Scan# 1047
Delta R.T. -0.110 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

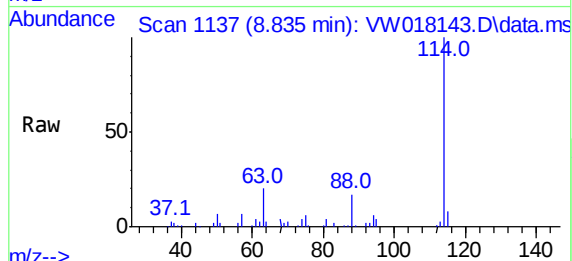
Tgt Ion: 62 Resp: 114
Ion Ratio Lower Upper
62 100
98 0.0 8.0 12.0#





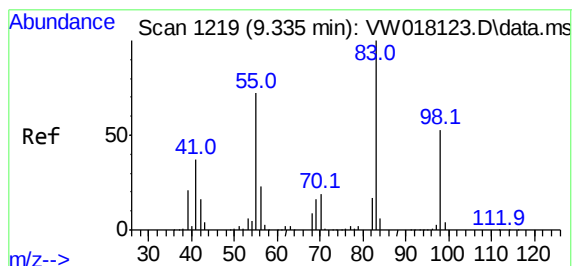
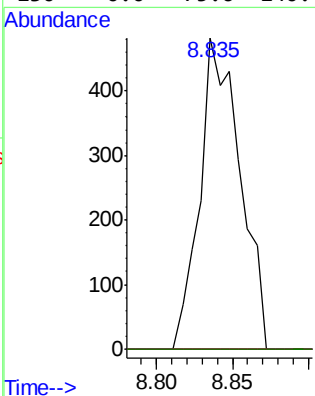
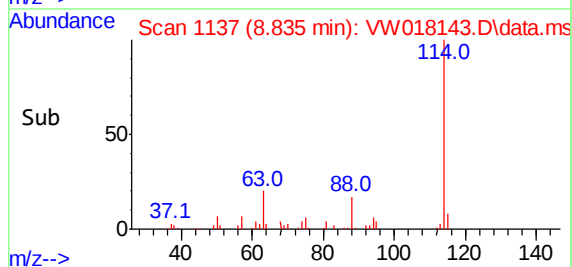
#35
Trichloroethene
Concen: 2.62 ug/L
RT: 8.835 min Scan# 1137
Delta R.T. -0.256 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

Instrument :
MSVOA_W
ClientSampleId :
DBGZ8RE

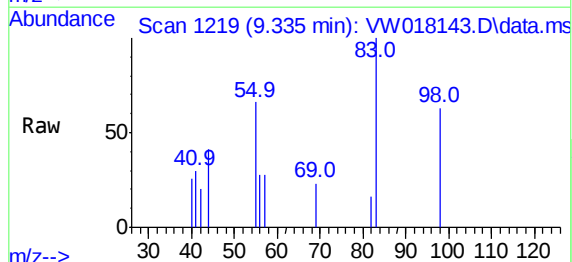


Tgt Ion: 95 Resp: 883

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#

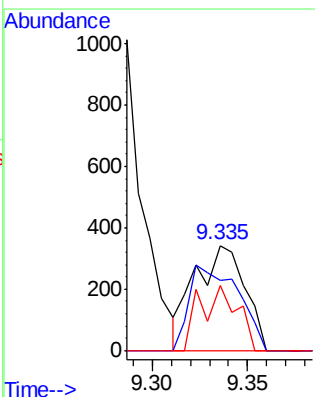
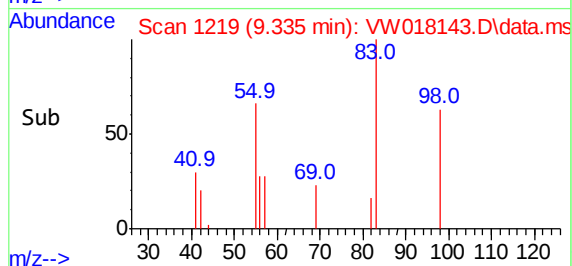


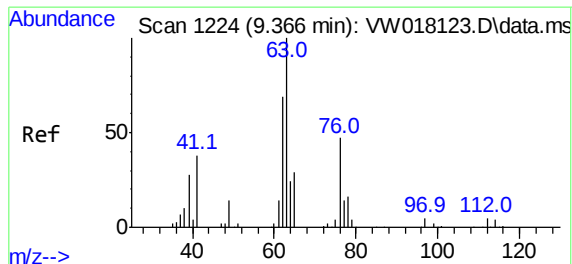
#36
Methylcyclohexane
Concen: 1.09 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16



Tgt Ion: 83 Resp: 620

Ion	Ratio	Lower	Upper
83	100		
55	0.0	59.4	89.0#
98	28.5	40.7	61.1#

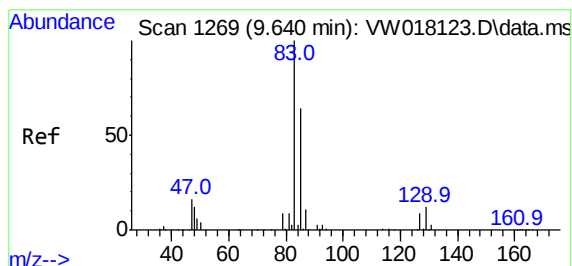
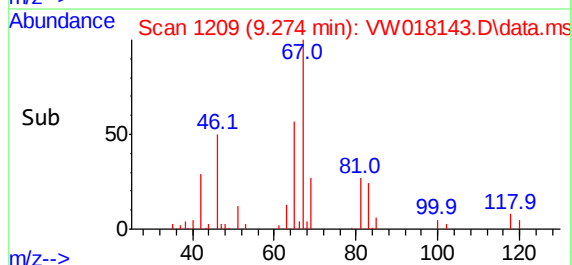
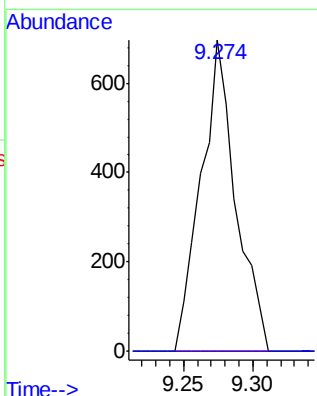
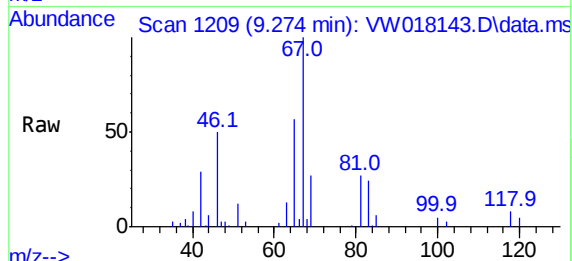




#40
1,2-Dichloropropane
Concen: 4.44 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.091 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

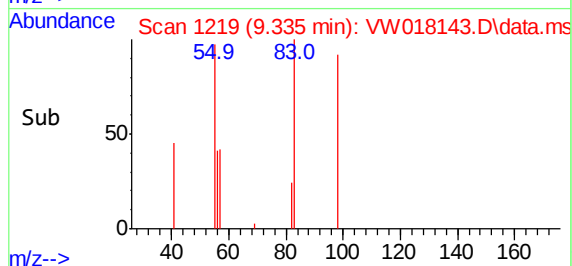
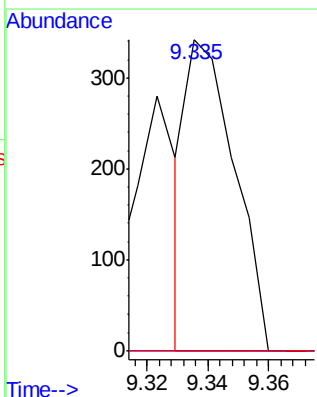
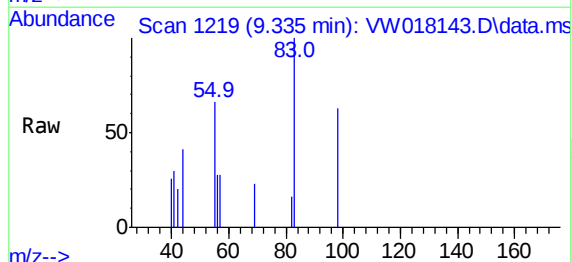
Instrument :
MSVOA_W
ClientSampleId :
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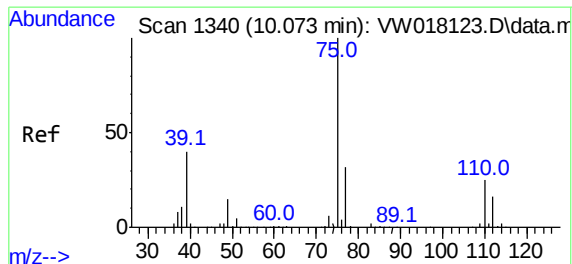
Tgt Ion: 63 Resp: 1219
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#



#41
Bromodichloromethane
Concen: 0.95 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.305 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

Tgt Ion: 83 Resp: 373
Ion Ratio Lower Upper
83 100
85 0.0 46.8 86.8#
127 0.0 7.6 11.4#

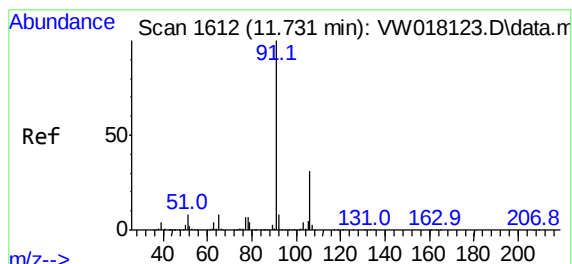
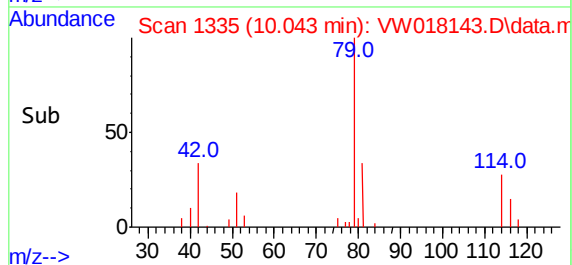
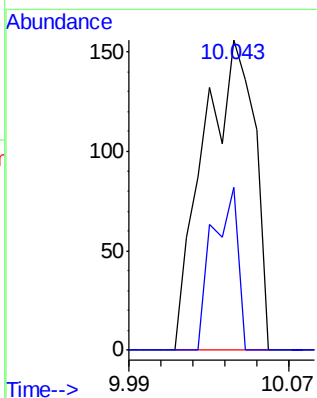
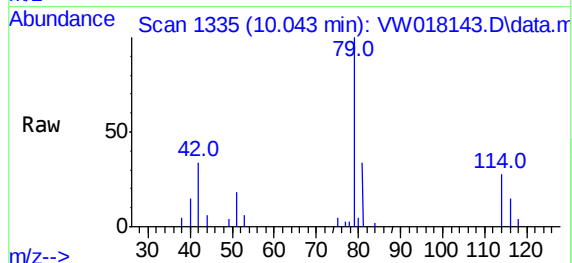




#42
cis-1,3-Dichloropropene
Concen: 0.65 ug/L
RT: 10.043 min Scan# 1335
Delta R.T. -0.030 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

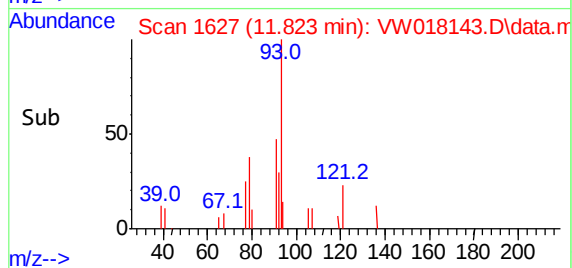
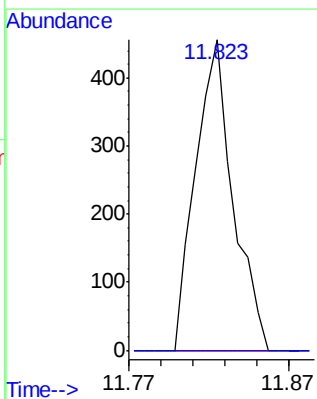
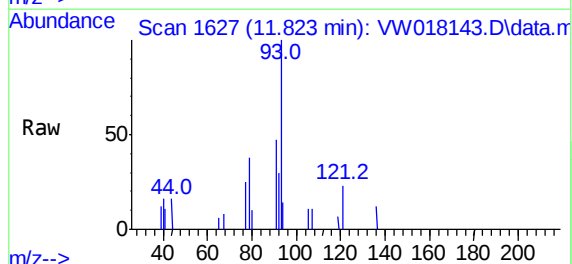
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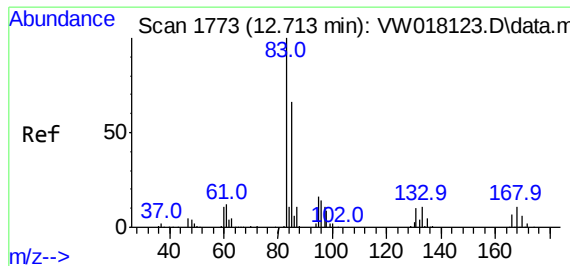
Tgt Ion: 75 Resp: 286
Ion Ratio Lower Upper
75 100
77 52.6 22.7 42.3#



#53
Ethylbenzene
Concen: 0.46 ug/L
RT: 11.823 min Scan# 1627
Delta R.T. 0.091 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

Tgt Ion: 91 Resp: 687
Ion Ratio Lower Upper
91 100
106 0.0 21.1 39.1#

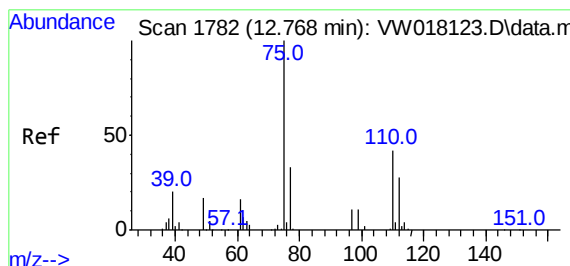
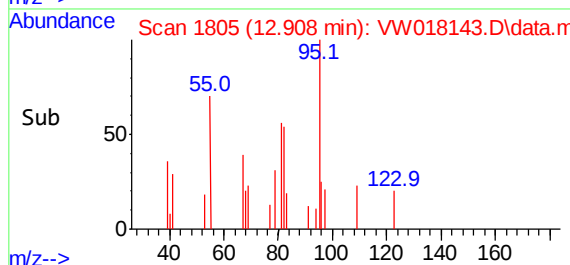
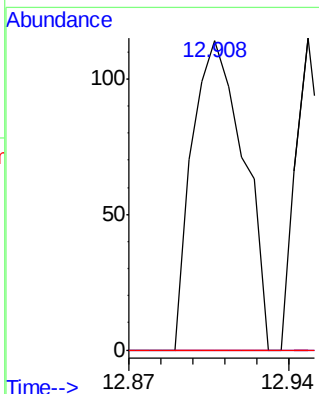
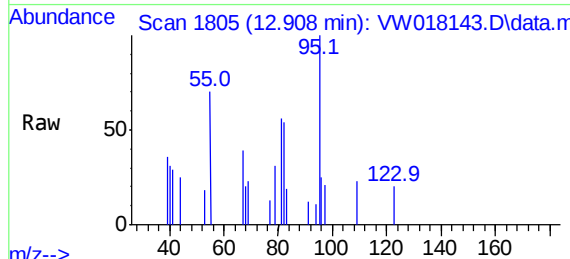




#58
1,1,2,2-Tetrachloroethane
Concen: 0.68 ug/L
RT: 12.908 min Scan# 1805
Delta R.T. 0.195 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

Instrument :
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ClientSampleId :
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Tgt Ion: 83 Resp: 188
Ion Ratio Lower Upper
83 100
85 0.0 45.3 84.1#
131 0.0 8.3 12.5#



#59
1,2,3-Trichloropropane
Concen: 2.85 ug/L
RT: 13.560 min Scan# 1912
Delta R.T. 0.793 min
Lab File: VW018143.D
Acq: 15 Feb 2021 18:16

Tgt Ion: 75 Resp: 599
Ion Ratio Lower Upper
75 100
77 32.9 26.6 39.8

