

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
 Data File : VW018145.D
 Acq On : 15 Feb 2021 19:03
 Operator : SY/VA
 Sample : M1370-14RE
 Misc : 5.13G/10ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGZORE

Quant Time: Feb 16 02:27:40 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	8.841	114	341177	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	222179	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	56796	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	62149	14.66	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	58.64%		
7) Chloroethane-d5	2.891	69	58594	17.41	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	69.64%		
10) 1,1-Dichloroethene-d2	4.019	63	102389	12.08	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	48.32%		
20) 2-Butanone-d5	7.074	46	38314	33.86	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	67.72%		
24) Chloroform-d	7.647	84	163644	18.28	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	73.12%		
26) 1,2-Dichloroethane-d4	8.390	65	82	0.02	ug/L	0.09
Spiked Amount 25.000	Range 70 - 130		Recovery =	0.08%#		
29) Benzene-d6	8.275	84	312196	25.59	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	102.36%		
33) 1,2-Dichloropropane-d6	9.274	67	88998	26.08	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	104.32%		
37) Toluene-d8	10.323	98	253190	21.81	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	87.24%		
38) trans-1,3-Dichloroprop...	10.579	79	29774	19.25	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	77.00%		
39) 2-Hexanone-d5	10.926	63	30547	46.83	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	93.66%		
48) 1,1,2,2-Tetrachloroeth...	12.694	84	53845	17.97	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	71.88%		
61) 1,2-Dichlorobenzene-d4	13.853	152	39502	19.50	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	78.00%		
Target Compounds					Qvalue	
13) Acetone	4.117	43	196017	234.15	ug/L	98
14) Carbon disulfide	4.385	76	43873	3.30	ug/L	100
16) Methylene chloride	4.921	84	16005	2.93	ug/L	89
21) 2-Butanone	7.171	43	11532	9.05	ug/L	98
30) Cyclohexane	7.951	56	31788	6.26	ug/L	96
34) Benzene	8.323	78	239581	18.45	ug/L	100
36) Methylcyclohexane	9.335	83	100444	16.32	ug/L	96
40) 1,2-Dichloropropane	9.329	63	1258	0.42	ug/L #	1
42) cis-1,3-Dichloropropene	10.030	75	2089	0.44	ug/L #	65
43) 4-Methyl-2-pentanone	10.250	43	6018	3.25	ug/L #	77
44) Toluene	10.390	91	80335	5.62	ug/L	96
45) trans-1,3-Dichloropropene	10.573	75	1252	0.30	ug/L #	65
46) 1,1,2-Trichloroethane	10.762	97	13269	5.22	ug/L #	26
49) 2-Hexanone	10.933	43	15484	12.03	ug/L #	29
53) Ethylbenzene	11.731	91	39224	2.42	ug/L	97
54) m,p-Xylene	11.835	106	42040	6.79	ug/L	90
55) o-xylene	12.164	106	13443	2.29	ug/L	98
57) Isopropylbenzene	12.463	105	281162	17.18	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	2406	0.80	ug/L #	50
59) 1,2,3-Trichloropropane	12.804	75	1299	0.57	ug/L #	1

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Quant Title : VOC Analysis
QLast Update : Tue Feb 16 02:20:15 2021
Response via : Initial Calibration

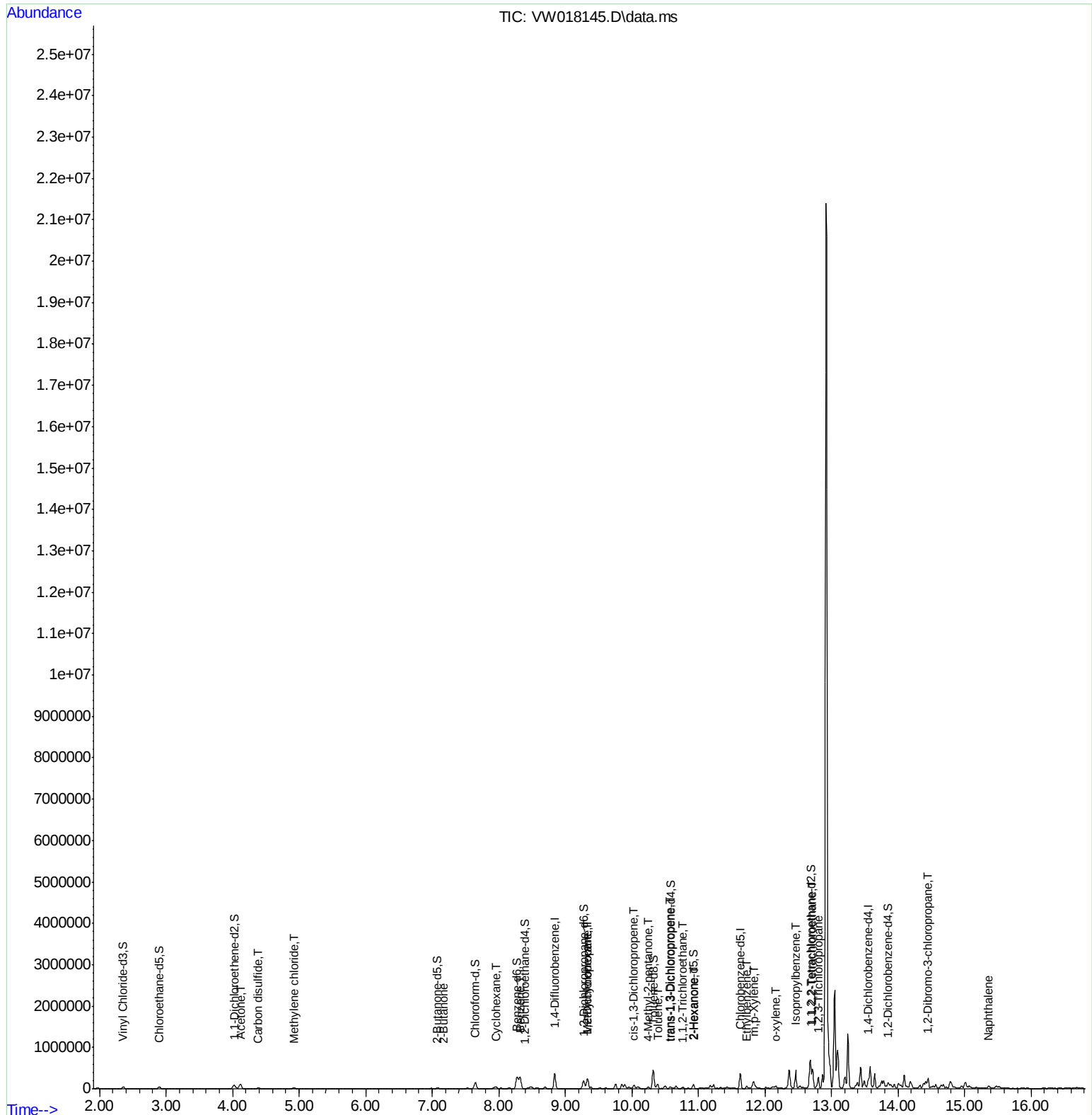
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropr...	14.450	75	1834	7.42	ug/L	# 1
69) Naphthalene	15.365	128	50753	11.25	ug/L	99

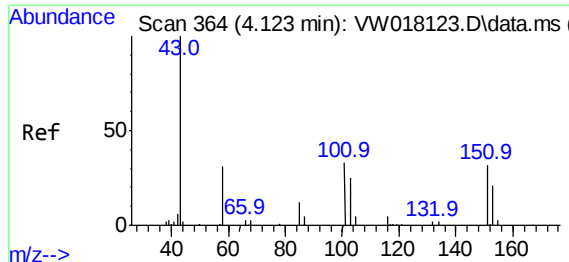
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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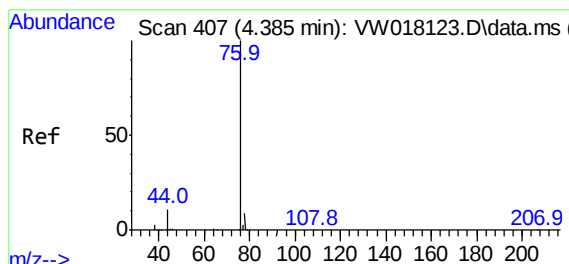
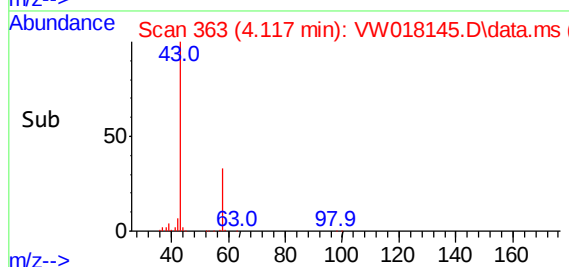
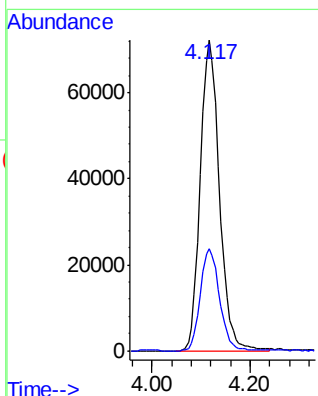
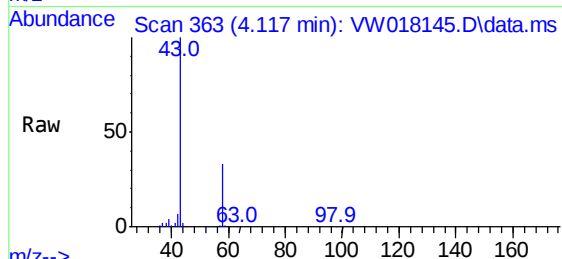




#13
Acetone
Concen: 234.15 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.006 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

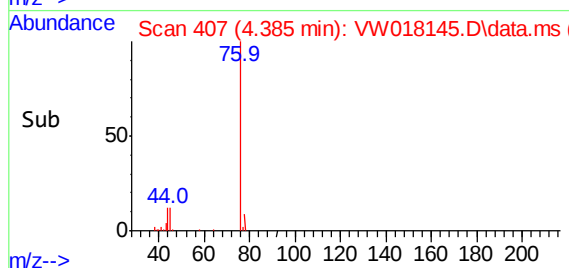
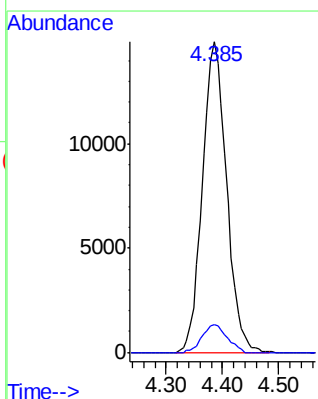
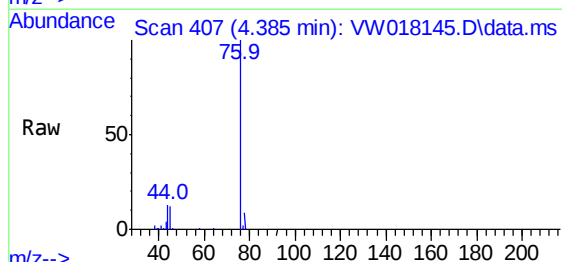
Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

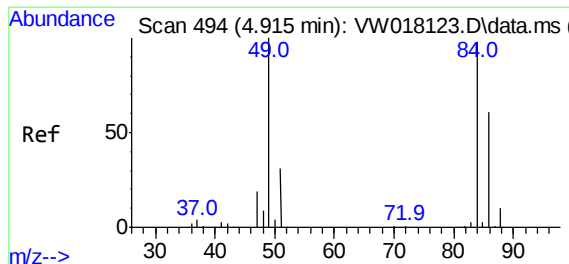
Tgt Ion: 43 Resp: 196017
Ion Ratio Lower Upper
43 100
58 32.9 0.0 68.4



#14
Carbon disulfide
Concen: 3.30 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Tgt Ion: 76 Resp: 43873
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



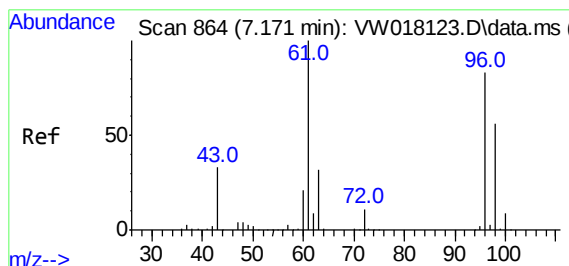
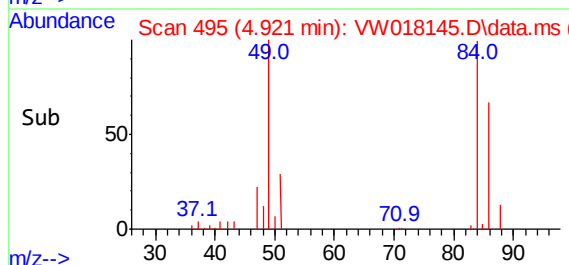
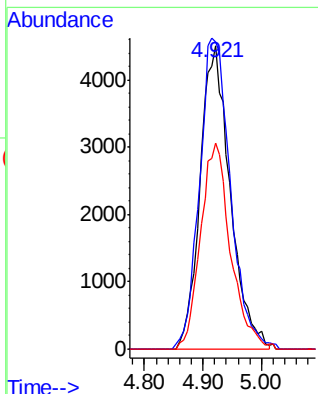
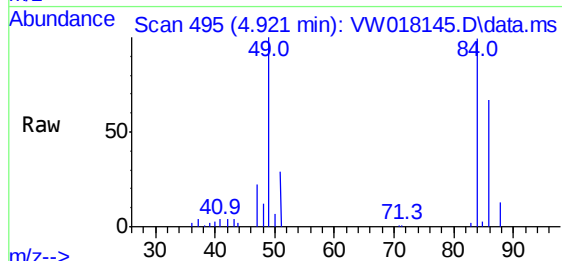


#16
Methylene chloride
Concen: 2.93 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

Tgt Ion: 84 Resp: 16005

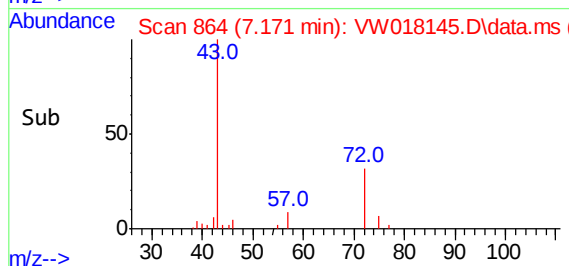
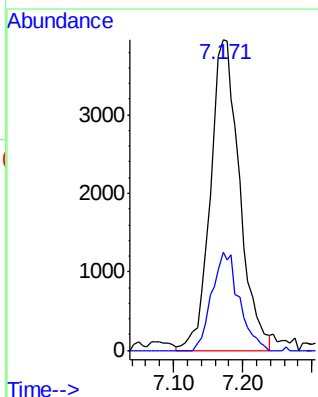
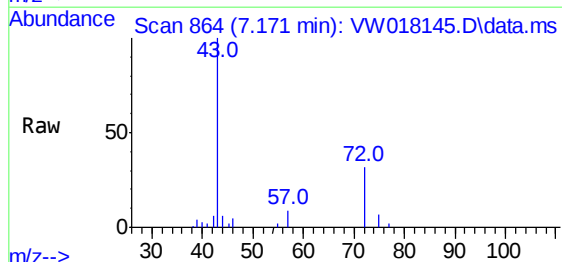
Ion	Ratio	Lower	Upper
84	100		
49	101.2	81.2	150.8
86	67.9	44.5	82.7

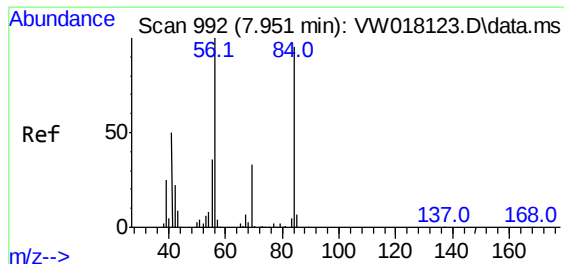


#21
2-Butanone
Concen: 9.05 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Tgt Ion: 43 Resp: 11532

Ion	Ratio	Lower	Upper
43	100		
72	29.7	14.4	43.2



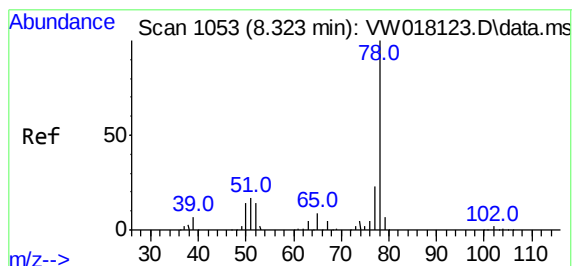
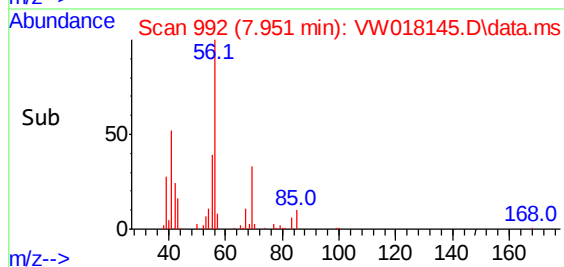
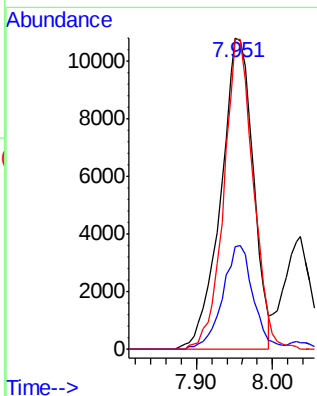
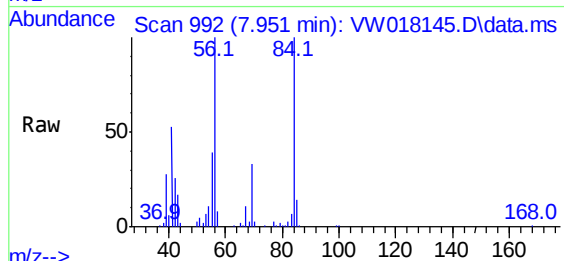


#30
Cyclohexane
Concen: 6.26 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.000 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

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MSVOA_W
ClientSampleId :
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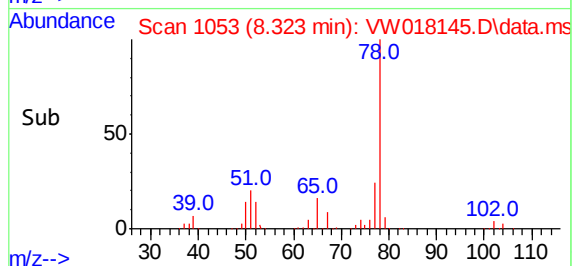
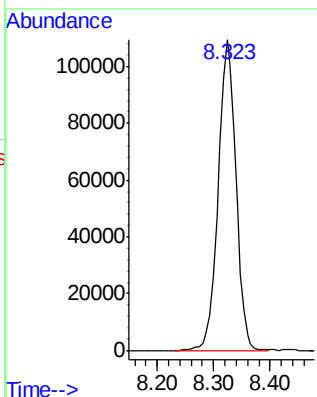
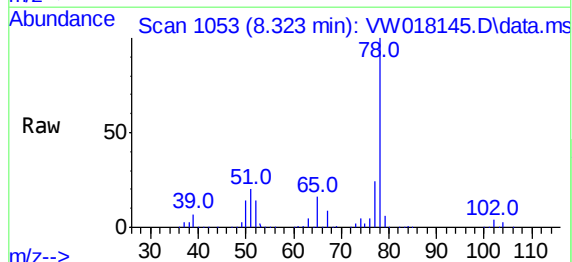
Tgt Ion: 56 Resp: 31788

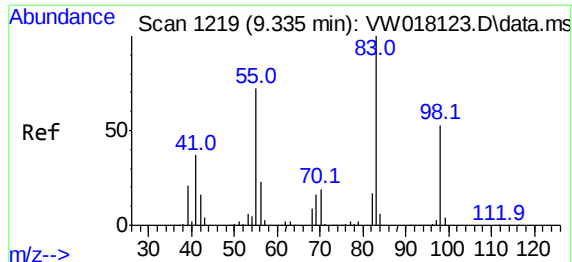
Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.8	37.2
84	88.1	74.2	111.4



#34
Benzene
Concen: 18.45 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Tgt Ion: 78 Resp: 239581

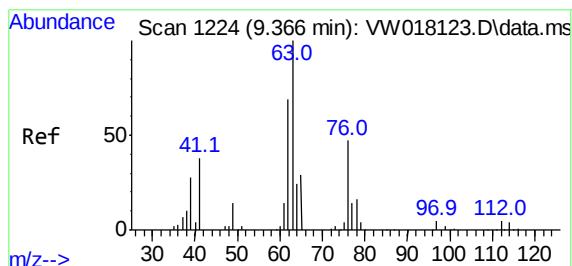
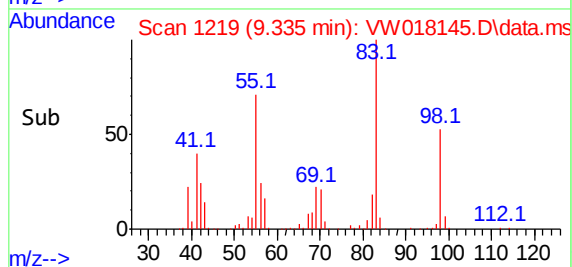
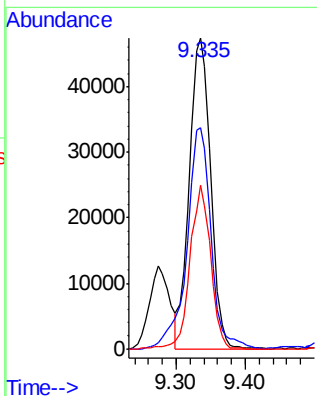
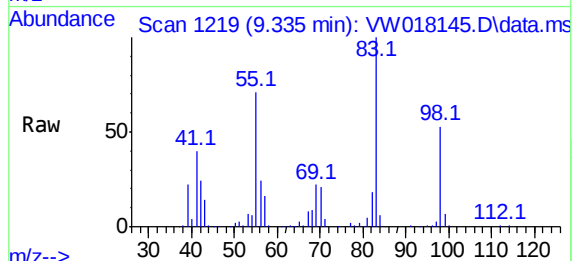




#36
Methylcyclohexane
Concen: 16.32 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

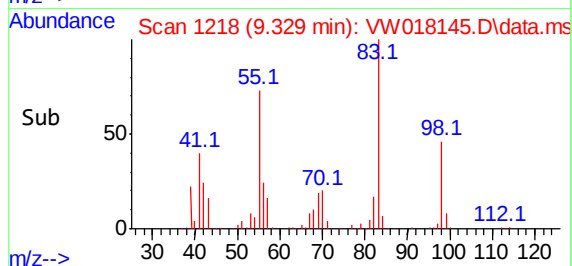
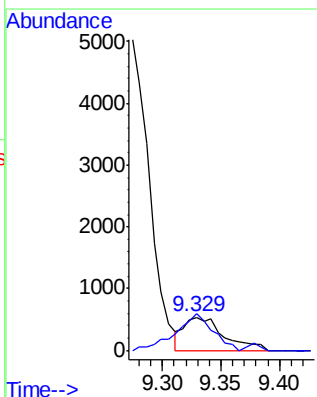
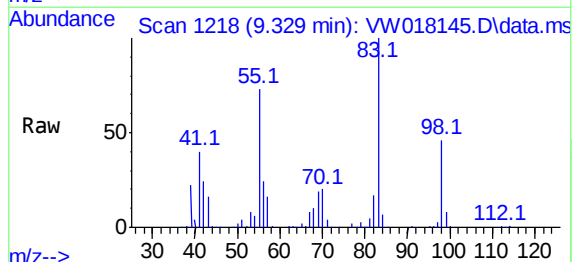
Instrument :
MSVOA_W
ClientSampled :
DBGZ0RE

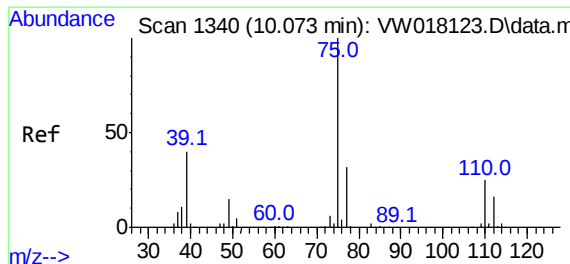
Tgt Ion: 83 Resp: 100444
Ion Ratio Lower Upper
83 100
55 80.5 59.4 89.0
98 50.8 40.7 61.1



#40
1,2-Dichloropropane
Concen: 0.42 ug/L
RT: 9.329 min Scan# 1218
Delta R.T. -0.037 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Tgt Ion: 63 Resp: 1258
Ion Ratio Lower Upper
63 100
112 103.9 4.2 6.4#

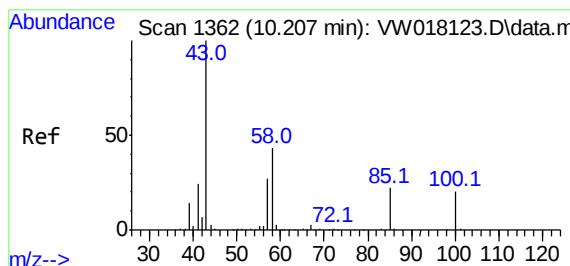
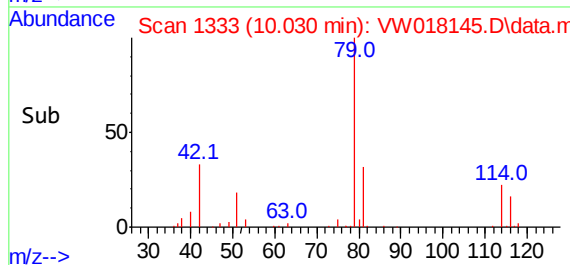
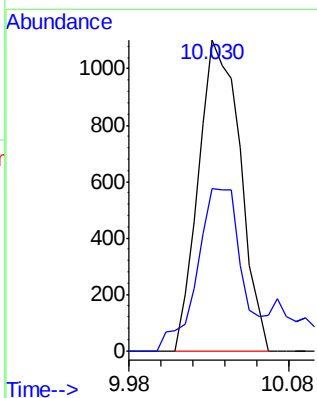
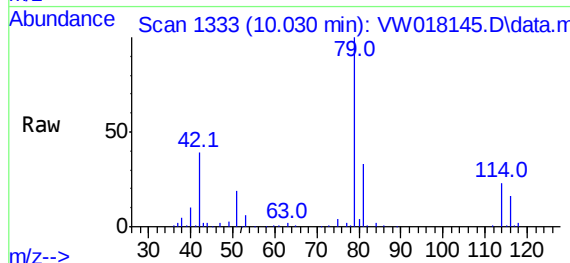




#42
cis-1,3-Dichloropropene
Concen: 0.44 ug/L
RT: 10.030 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

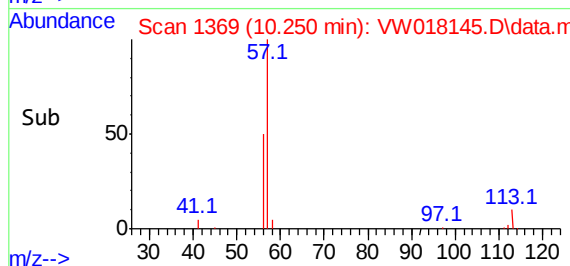
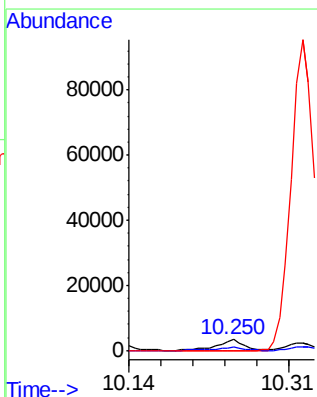
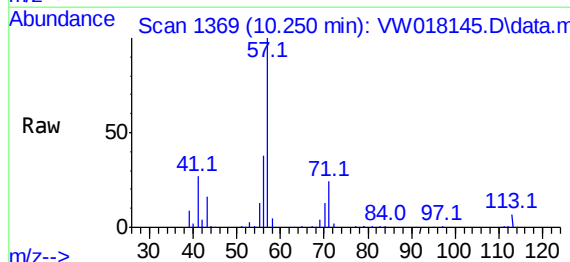
Instrument :
MSVOA_W
ClientSampled :
DBGZ0RE

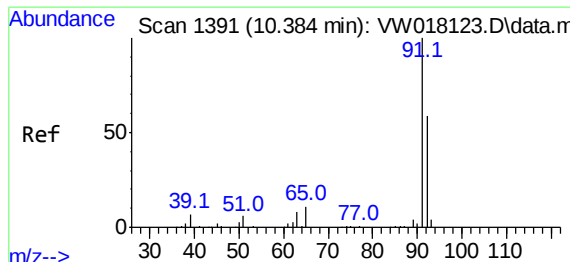
Tgt Ion: 75 Resp: 2089
Ion Ratio Lower Upper
75 100
77 52.4 22.7 42.3#



#43
4-Methyl-2-pentanone
Concen: 3.25 ug/L
RT: 10.250 min Scan# 1369
Delta R.T. 0.043 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Tgt Ion: 43 Resp: 6018
Ion Ratio Lower Upper
43 100
58 30.3 31.6 47.4#
100 0.0 14.1 21.1#





#44

Toluene

Concen: 5.62 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW018145.D

Acq: 15 Feb 2021 19:03

Tgt Ion: 91 Resp: 80335

Ion Ratio Lower Upper

91 100

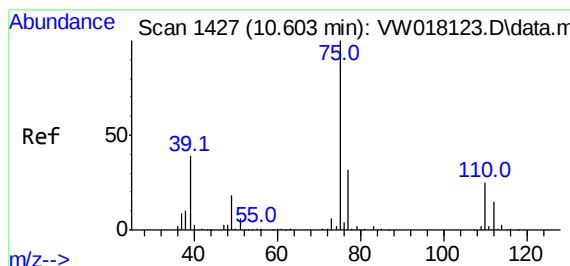
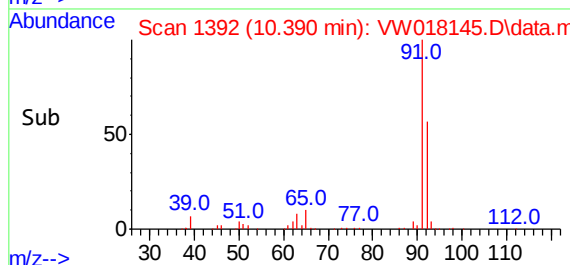
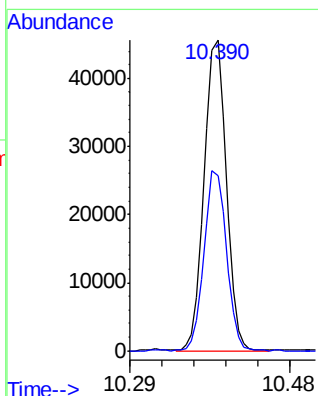
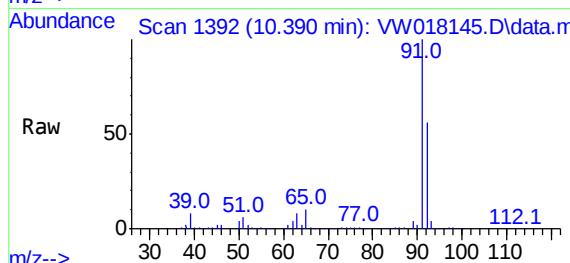
92 56.4 41.6 77.3

Instrument :

MSVOA_W

ClientSampleID :

DBGZ0RE



#45

trans-1,3-Dichloropropene

Concen: 0.30 ug/L

RT: 10.573 min Scan# 1422

Delta R.T. -0.030 min

Lab File: VW018145.D

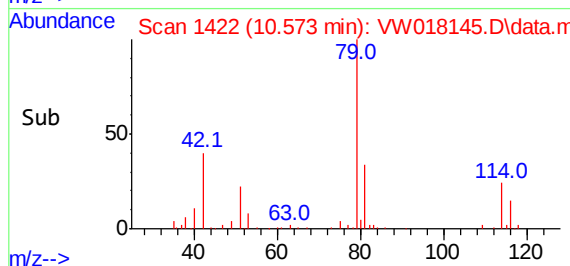
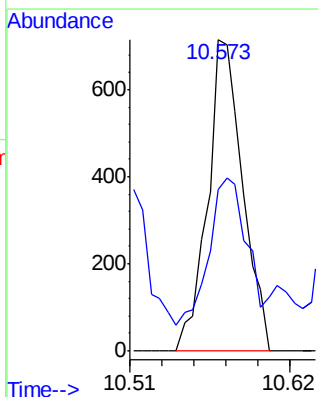
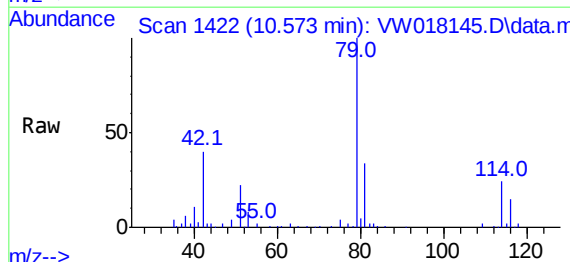
Acq: 15 Feb 2021 19:03

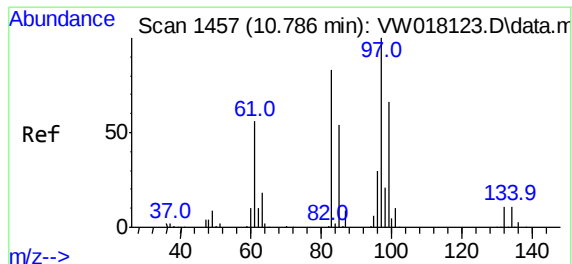
Tgt Ion: 75 Resp: 1252

Ion Ratio Lower Upper

75 100

77 52.0 22.6 42.0#



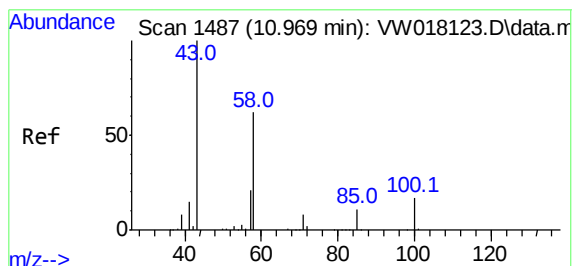
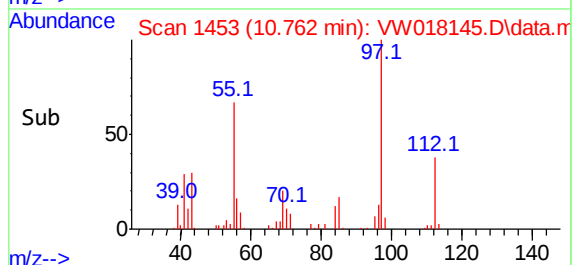
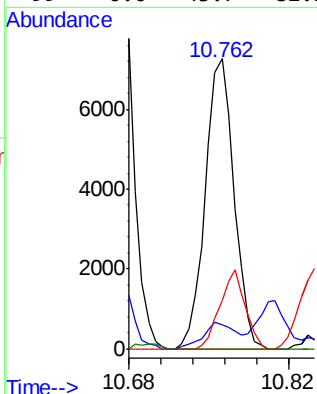
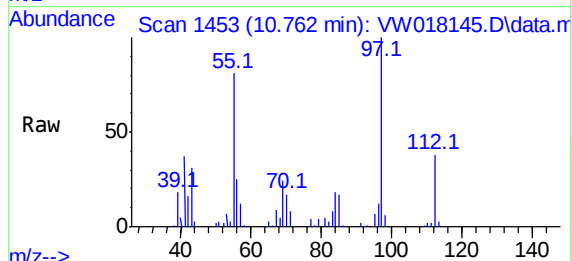


#46
1,1,2-Trichloroethane
Concen: 5.22 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

Tgt Ion: 97 Resp: 13269

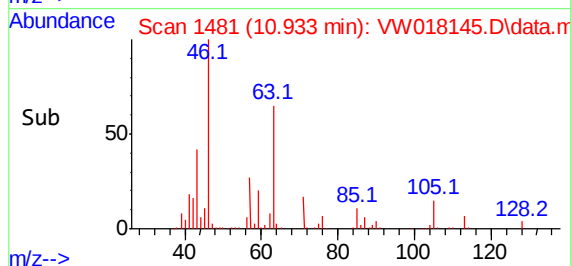
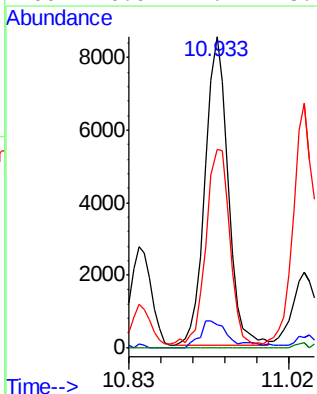
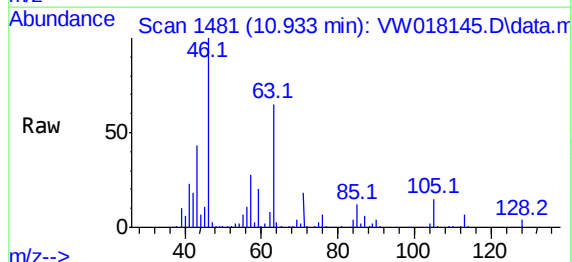
Ion	Ratio	Lower	Upper
97	100		
83	8.2	58.5	108.7#
85	16.8	37.8	70.2#
99	0.0	43.7	81.1#

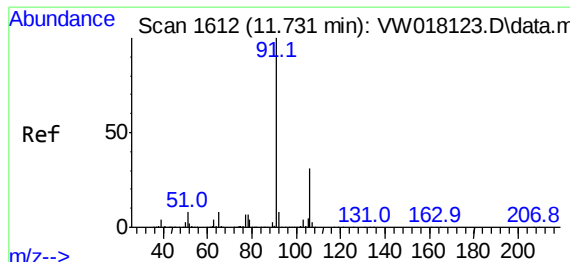


#49
2-Hexanone
Concen: 12.03 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Tgt Ion: 43 Resp: 15484

Ion	Ratio	Lower	Upper
43	100		
58	9.4	51.3	76.9#
57	64.2	15.0	22.6#
100	0.0	12.2	18.2#

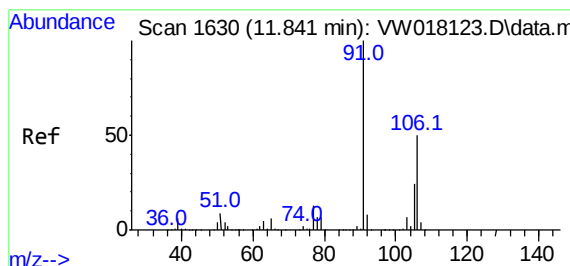
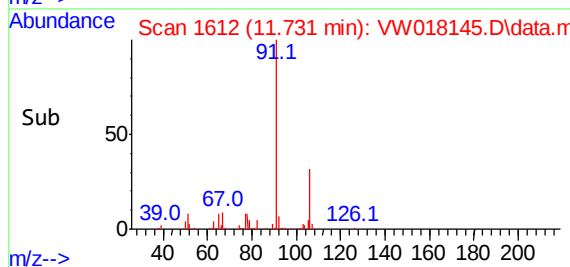
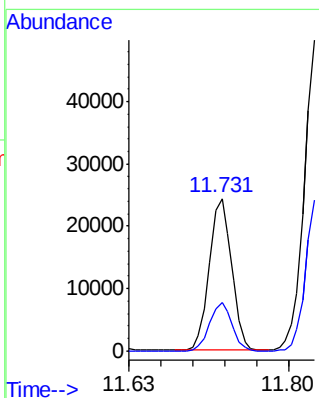
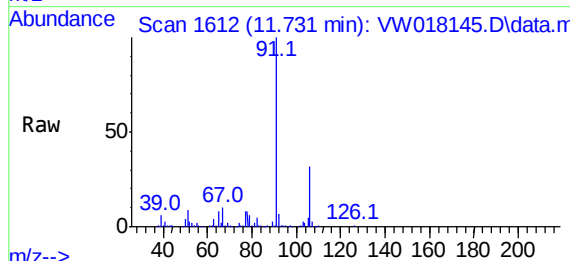




#53
Ethylbenzene
Concen: 2.42 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

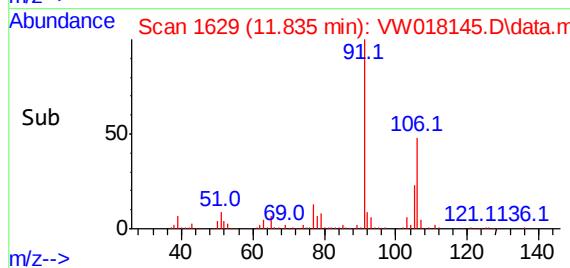
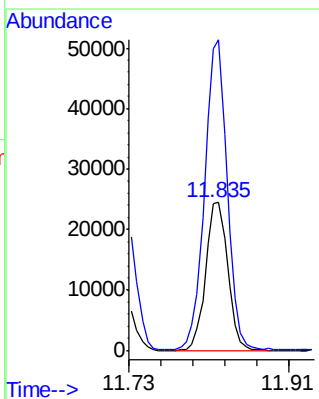
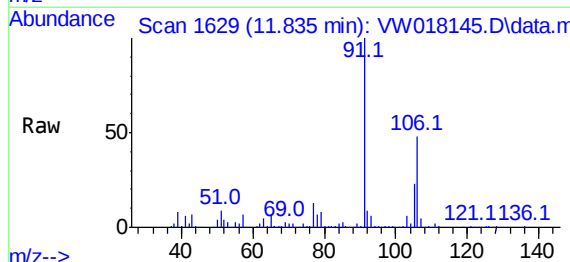
Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

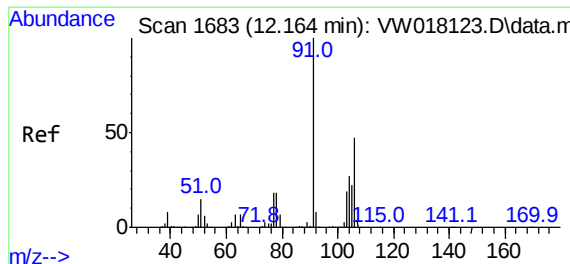
Tgt Ion: 91 Resp: 39224
Ion Ratio Lower Upper
91 100
106 31.9 21.1 39.1



#54
m,p-Xylene
Concen: 6.79 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Tgt Ion: 106 Resp: 42040
Ion Ratio Lower Upper
106 100
91 210.1 136.4 253.4

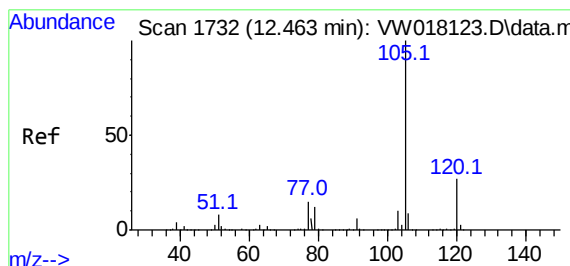
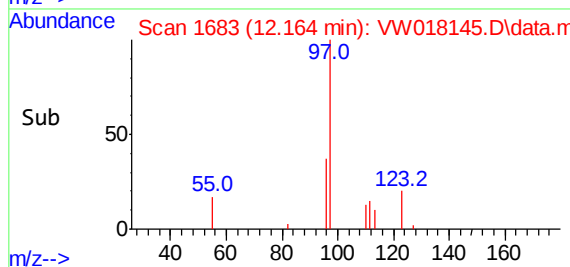
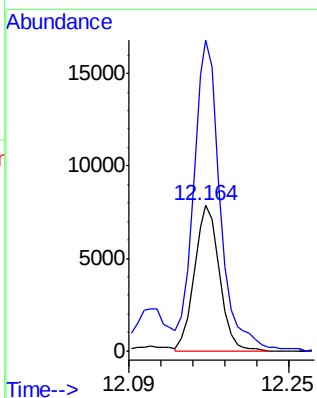
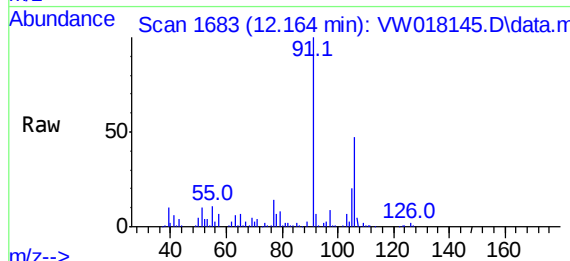




#55
o-xylene
Concen: 2.29 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

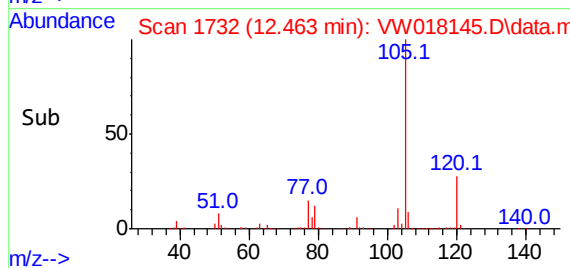
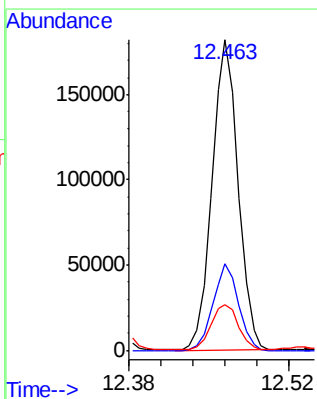
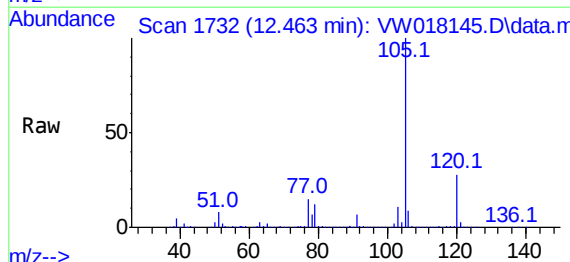
Instrument :
MSVOA_W
ClientSampled :
DBGZ0RE

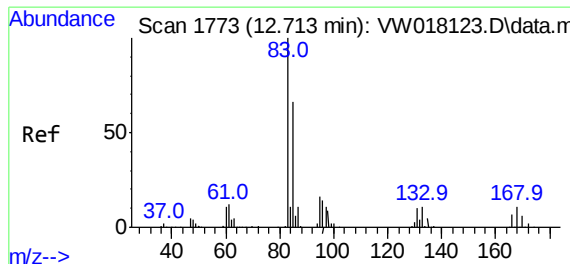
Tgt Ion:106 Resp: 13443
Ion Ratio Lower Upper
106 100
91 214.2 147.6 274.2



#57
Isopropylbenzene
Concen: 17.18 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Tgt Ion:105 Resp: 281162
Ion Ratio Lower Upper
105 100
120 27.3 21.4 32.2
77 15.2 12.1 18.1



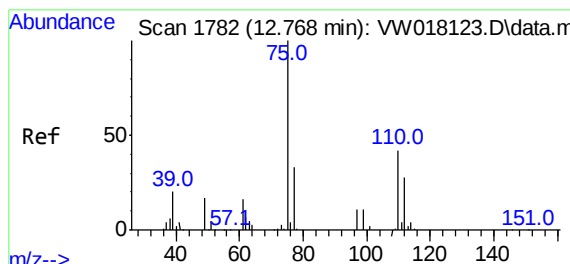
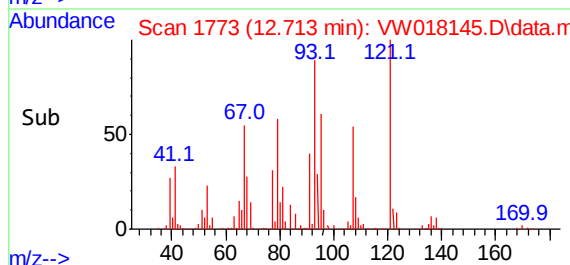
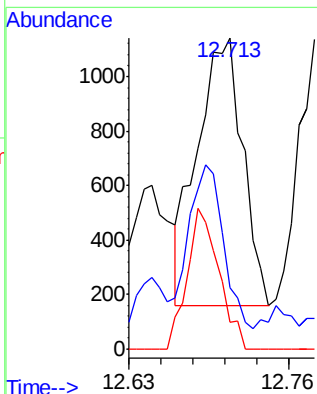
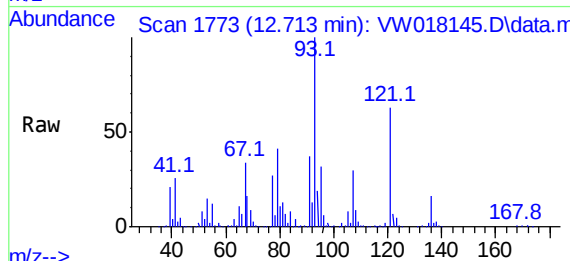


#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.80 ug/L
 RT: 12.713 min Scan# 1773
 Delta R.T. 0.000 min
 Lab File: VW018145.D
 Acq: 15 Feb 2021 19:03

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGZ0RE

Tgt Ion: 83 Resp: 2406

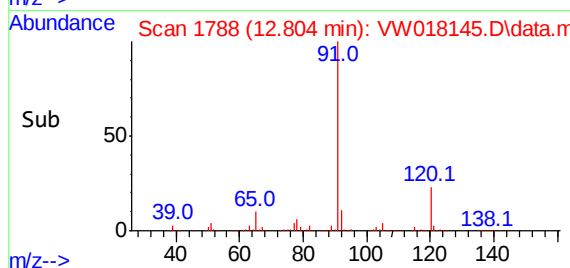
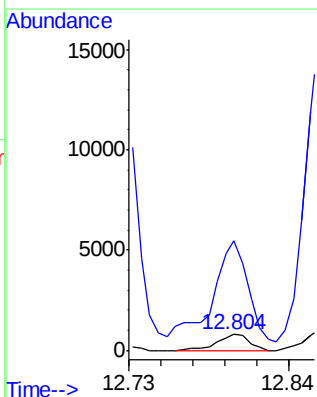
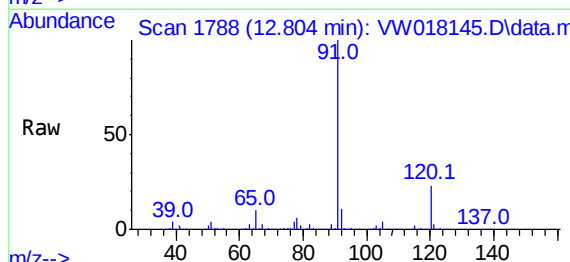
Ion	Ratio	Lower	Upper
83	100		
85	19.8	45.3	84.1#
131	8.4	8.3	12.5

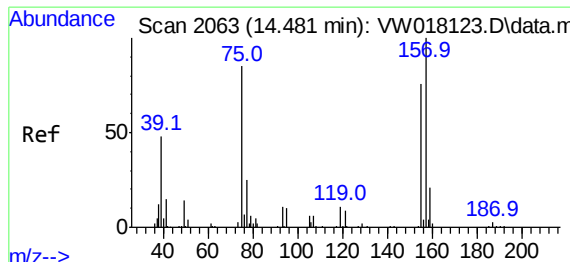


#59
 1,2,3-Trichloropropane
 Concen: 0.57 ug/L
 RT: 12.804 min Scan# 1788
 Delta R.T. 0.037 min
 Lab File: VW018145.D
 Acq: 15 Feb 2021 19:03

Tgt Ion: 75 Resp: 1299

Ion	Ratio	Lower	Upper
75	100		
77	582.4	26.6	39.8#

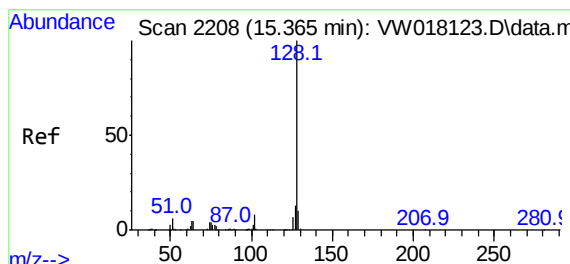
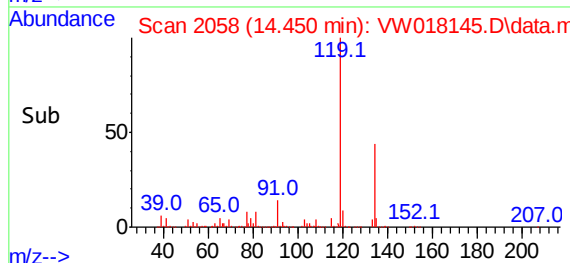
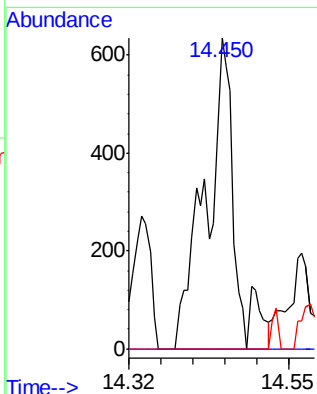
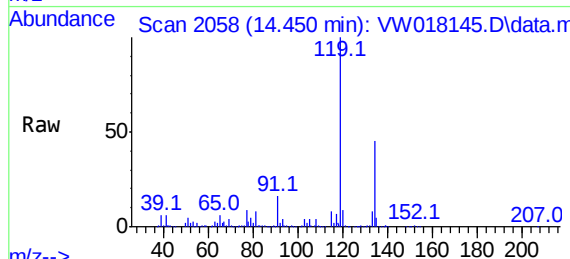




#66
1,2-Dibromo-3-chloropropane
Concen: 7.42 ug/L
RT: 14.450 min Scan# 2058
Delta R.T. -0.030 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

Tgt Ion: 75 Resp: 1834
Ion Ratio Lower Upper
75 100
157 0.0 99.9 149.9#
155 0.0 71.4 107.0#



#69
Naphthalene
Concen: 11.25 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW018145.D
Acq: 15 Feb 2021 19:03

Tgt Ion: 128 Resp: 50753
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.2 10.7 16.1

