

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
 Data File : VW018119.D
 Acq On : 12 Feb 2021 18:47
 Operator : SY/VA
 Sample : M1370-14
 Misc : 6.48G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGZ0

Quant Time: Feb 12 22:48:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 12 22:41:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	177990	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	130071	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	43537	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	40815	18.45	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	73.80%		
7) Chloroethane-d5	2.898	69	37179	21.18	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.72%		
10) 1,1-Dichloroethene-d2	4.019	63	63699	14.40	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	57.60%		
20) 2-Butanone-d5	7.080	46	23500	39.81	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	79.62%		
24) Chloroform-d	7.647	84	96130	20.58	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	82.32%		
26) 1,2-Dichloroethane-d4	8.305	65	50783	20.41	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	81.64%		
29) Benzene-d6	8.275	84	182255	25.52	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	102.08%		
33) 1,2-Dichloropropane-d6	9.274	67	53476	26.77	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	107.08%		
37) Toluene-d8	10.323	98	156285	23.00	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	92.00%		
38) trans-1,3-Dichloroprop...	10.579	79	18769	20.73	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	82.92%		
39) 2-Hexanone-d5	10.927	63	19251	50.41	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	100.82%		
48) 1,1,2,2-Tetrachloroeth...	12.688	84	38610	22.00	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	88.00%		
61) 1,2-Dichlorobenzene-d4	13.853	152	34968	22.51	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	90.04%		
Target Compounds					Qvalue	
13) Acetone	4.117	43	114865	263.01	ug/L	99
14) Carbon disulfide	4.379	76	10343	1.49	ug/L	96
16) Methylene chloride	4.915	84	4653	1.63	ug/L	83
21) 2-Butanone	7.177	43	5783	8.70	ug/L	100
30) Cyclohexane	7.958	56	9414	3.16	ug/L	88
34) Benzene	8.323	78	98789	12.99	ug/L	100
36) Methylcyclohexane	9.335	83	30320	8.42	ug/L	90
42) cis-1,3-Dichloropropene	10.037	75	1302	0.46	ug/L #	58
44) Toluene	10.384	91	59400	7.10	ug/L	98
45) trans-1,3-Dichloropropene	10.573	75	795	0.32	ug/L #	81
46) 1,1,2-Trichloroethane	10.762	97	4481	3.01	ug/L #	27
49) 2-Hexanone	10.927	43	5101	6.77	ug/L #	38
51) 1,2-Dibromoethane	11.207	107	439	0.30	ug/L #	1
53) Ethylbenzene	11.731	91	46992	4.94	ug/L	99
54) m,p-Xylene	11.835	106	10900	3.01	ug/L	90
55) o-xylene	12.164	106	5012	1.46	ug/L	95
57) Isopropylbenzene	12.463	105	62069	6.48	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.707	83	964	0.55	ug/L #	55
69) Naphthalene	15.365	128	21024	6.08	ug/L	99

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DBGZ0

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Quant Title : VOC Analysis
QLast Update : Fri Feb 12 22:41:34 2021
Response via : Initial Calibration

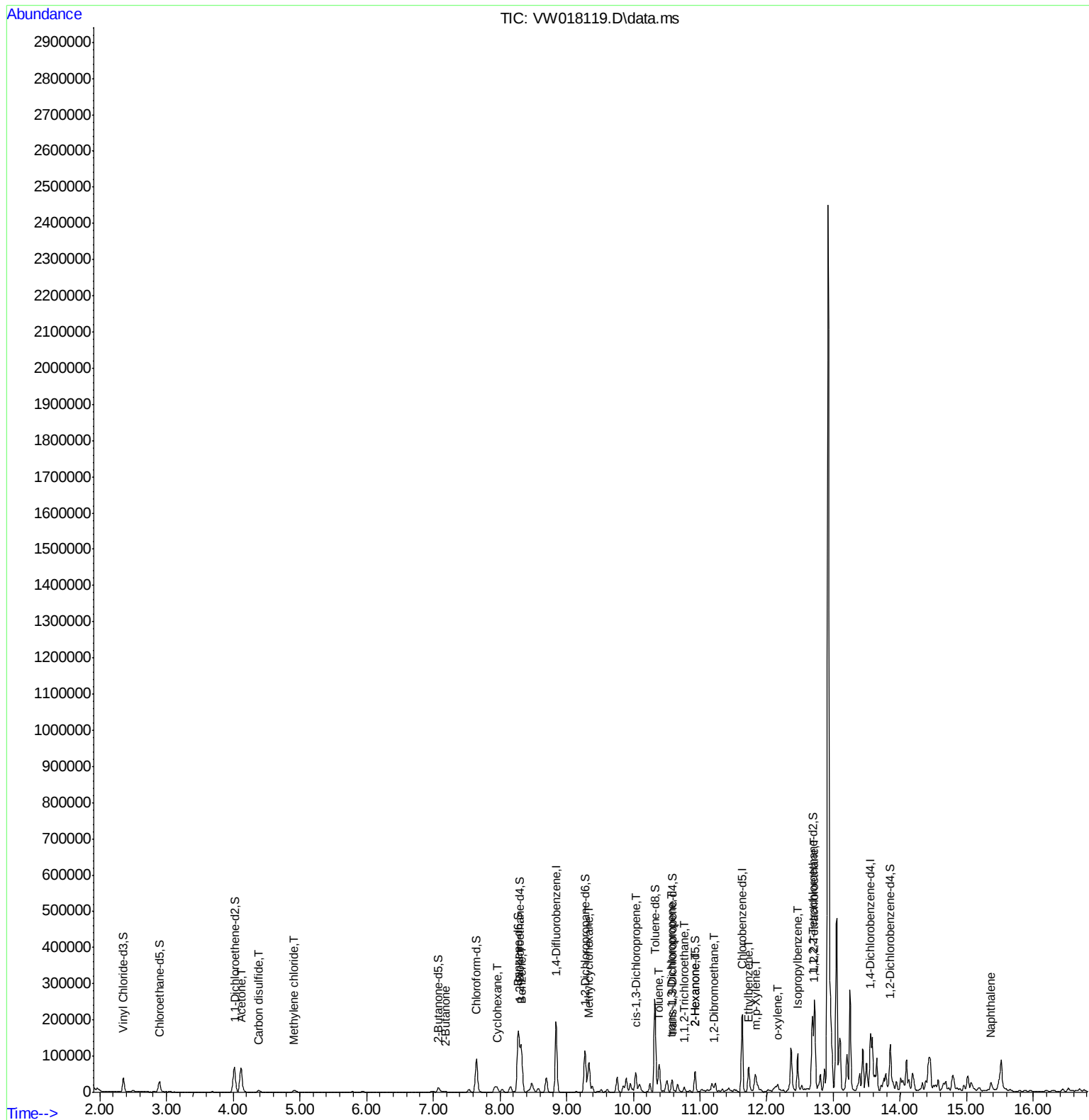
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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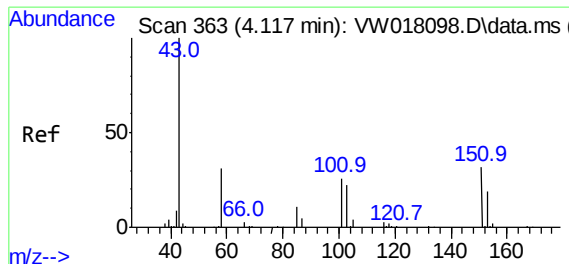
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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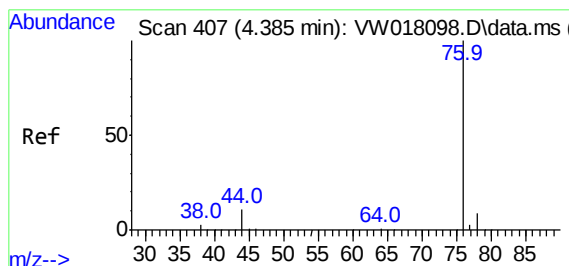
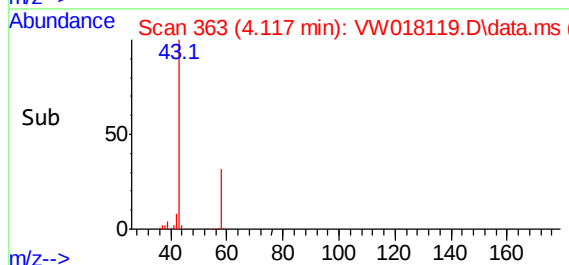
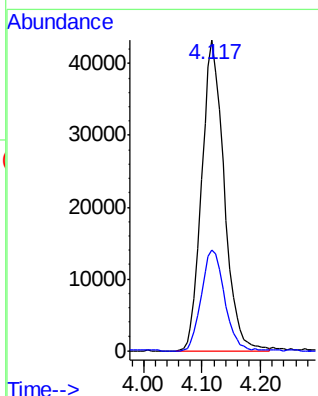
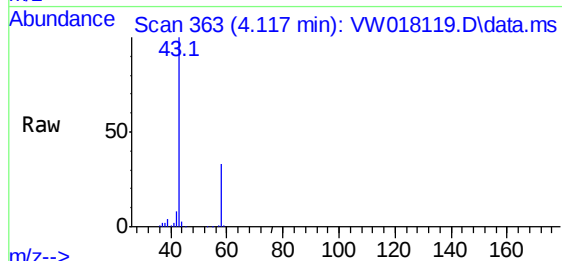




#13
Acetone
Concen: 263.01 ug/L
RT: 4.117 min Scan# 363
Delta R.T. 0.000 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

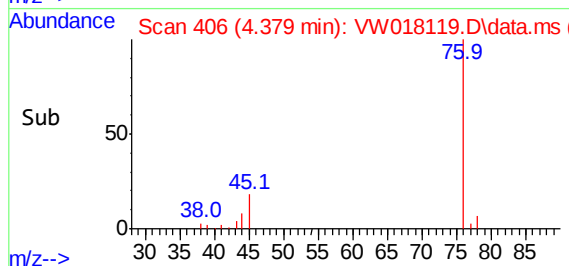
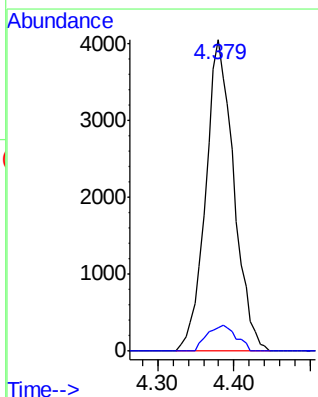
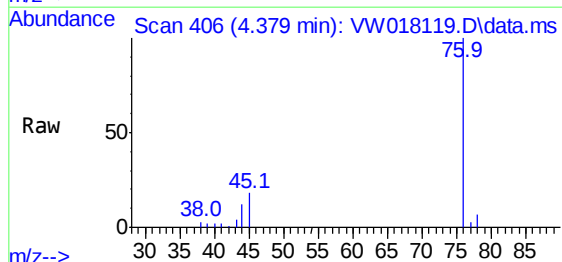
Instrument :
MSVOA_W
ClientSampleId :
DBGZ0

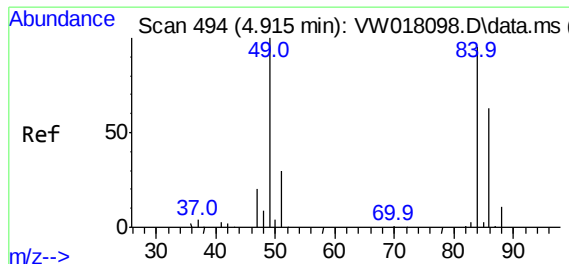
Tgt Ion: 43 Resp: 114865
Ion Ratio Lower Upper
43 100
58 33.4 0.0 68.4



#14
Carbon disulfide
Concen: 1.49 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.006 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Tgt Ion: 76 Resp: 10343
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.4



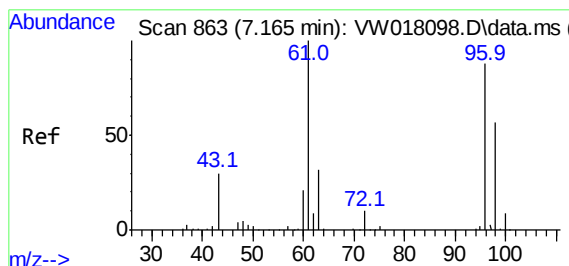
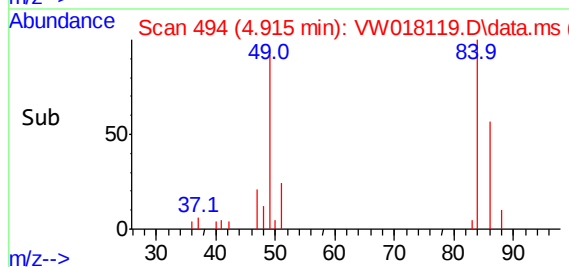
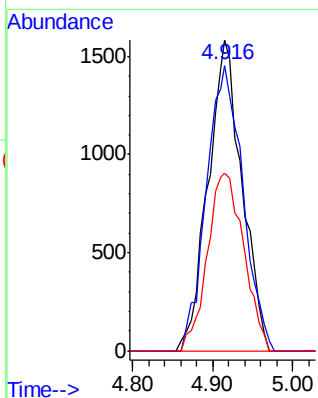
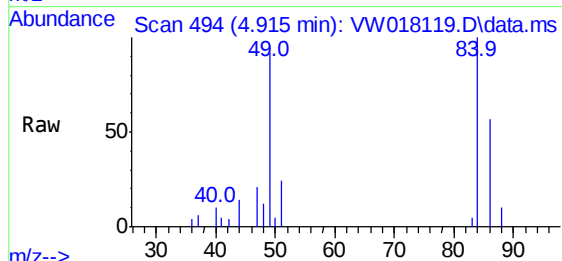


#16
Methylene chloride
Concen: 1.63 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0

Tgt Ion: 84 Resp: 4653

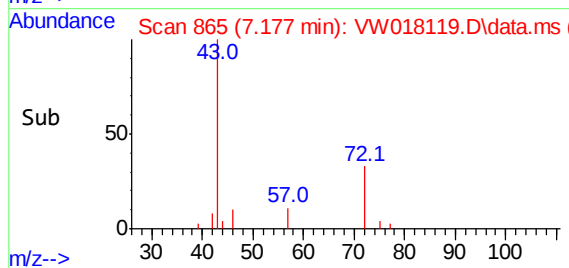
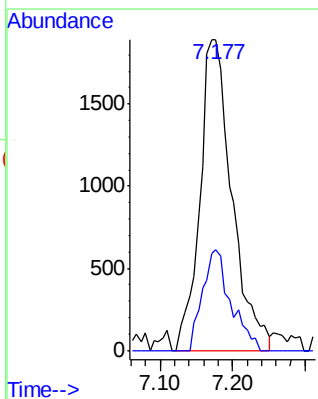
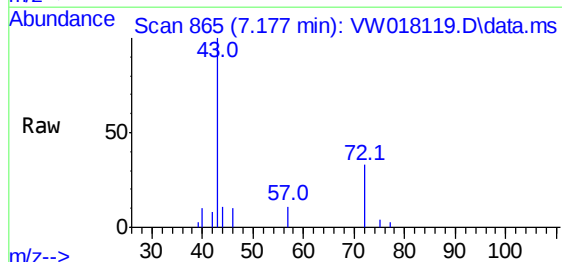
Ion	Ratio	Lower	Upper
84	100		
49	91.6	81.2	150.8
86	57.3	44.5	82.7

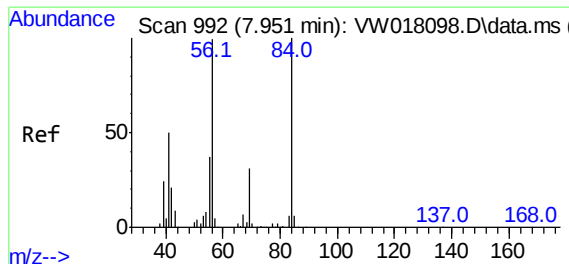


#21
2-Butanone
Concen: 8.70 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.012 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Tgt Ion: 43 Resp: 5783

Ion	Ratio	Lower	Upper
43	100		
72	28.8	14.4	43.2



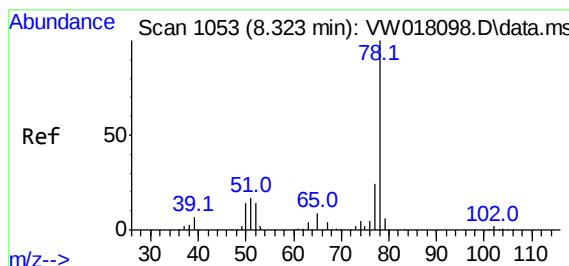
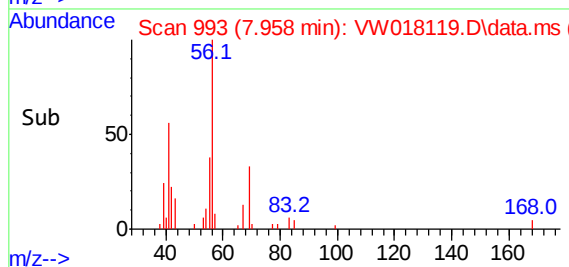
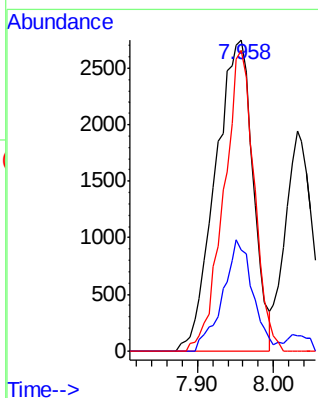
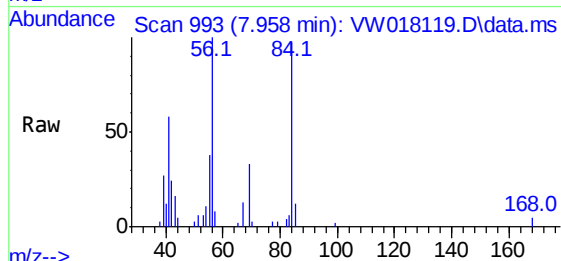


#30
Cyclohexane
Concen: 3.16 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.006 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Instrument :
MSVOA_W
ClientSampled :
DBGZ0

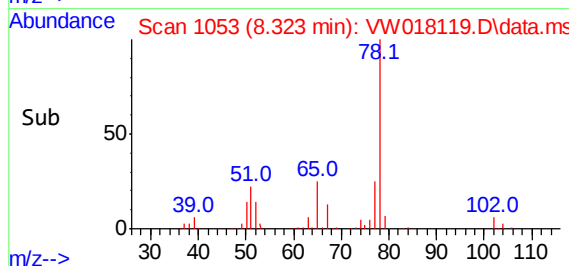
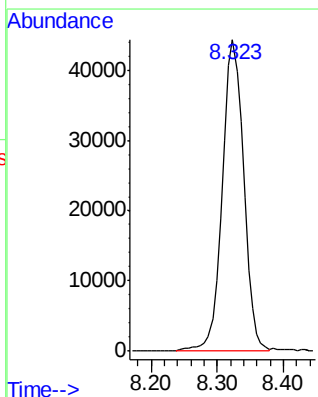
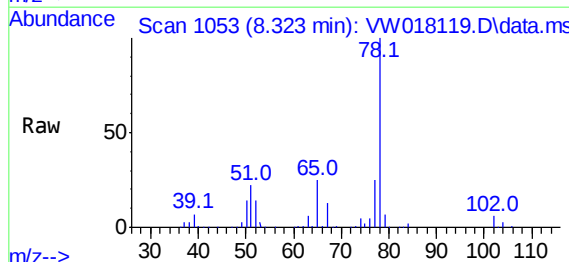
Tgt Ion: 56 Resp: 9414

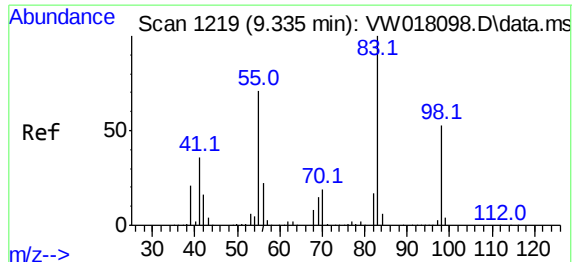
Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.8	37.2
84	78.3	74.2	111.4



#34
Benzene
Concen: 12.99 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Tgt Ion: 78 Resp: 98789

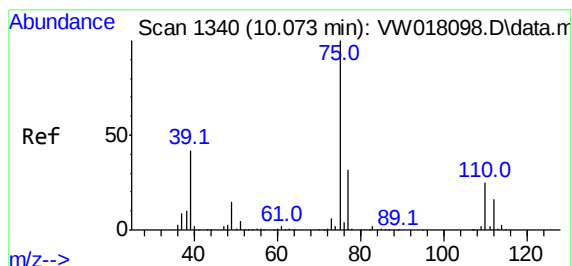
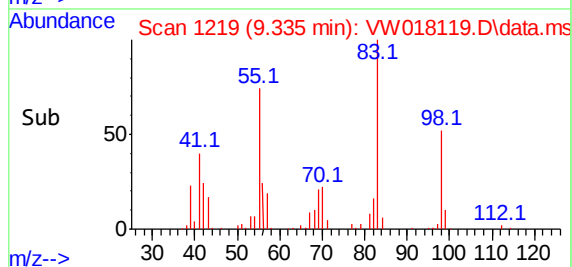
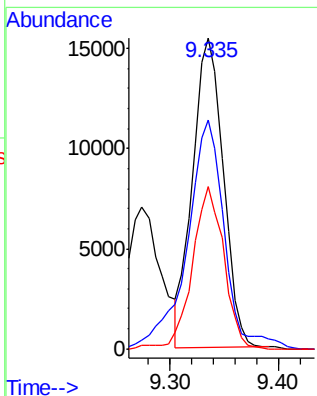
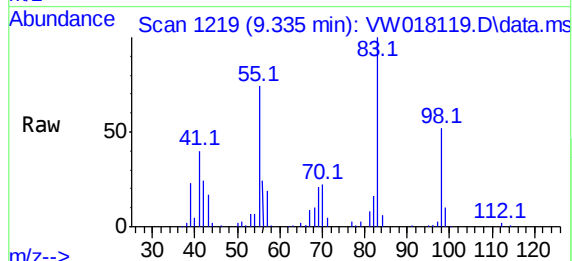




#36
Methylcyclohexane
Concen: 8.42 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

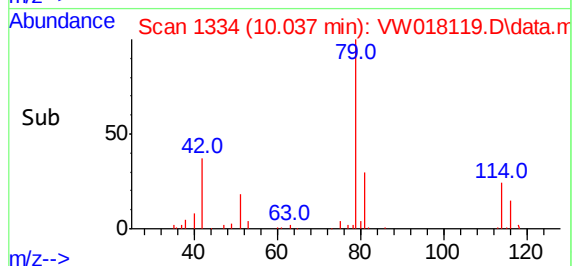
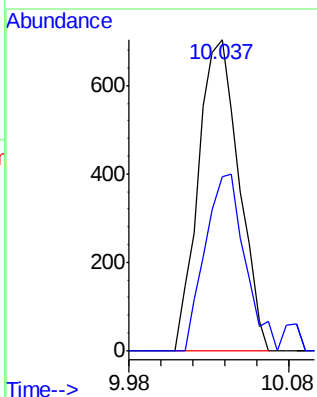
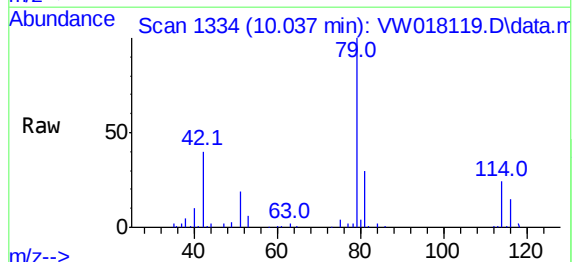
Instrument :
MSVOA_W
ClientSampleId :
DBGZ0

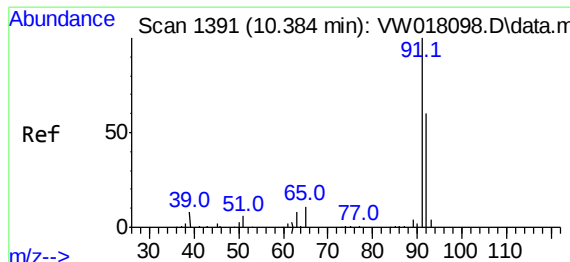
Tgt Ion: 83 Resp: 30320
Ion Ratio Lower Upper
83 100
55 87.1 59.4 89.0
98 52.8 40.7 61.1



#42
cis-1,3-Dichloropropene
Concen: 0.46 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.036 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Tgt Ion: 75 Resp: 1302
Ion Ratio Lower Upper
75 100
77 55.8 22.7 42.3#





#44

Toluene

Concen: 7.10 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW018119.D

Acq: 12 Feb 2021 18:47

Instrument :

MSVOA_W

ClientSampleId :

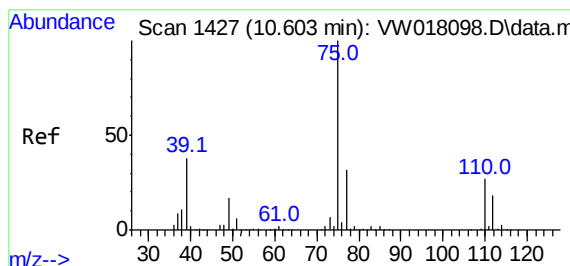
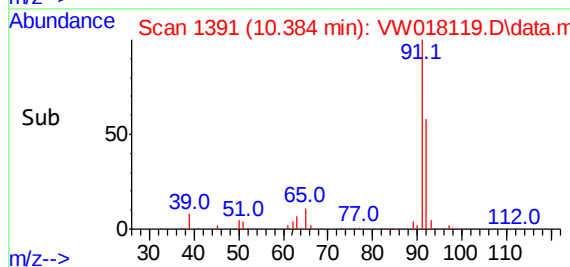
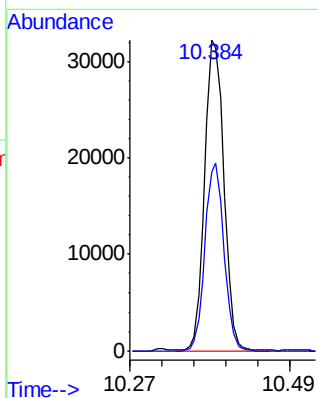
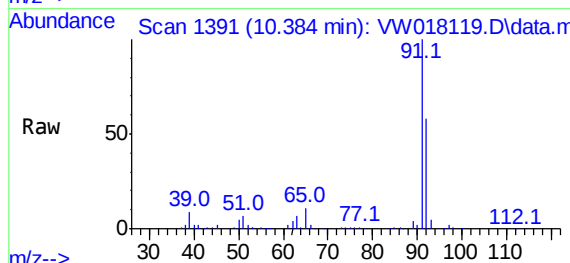
DBGZ0

Tgt Ion: 91 Resp: 59400

Ion Ratio Lower Upper

91 100

92 57.7 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 0.32 ug/L

RT: 10.573 min Scan# 1422

Delta R.T. -0.030 min

Lab File: VW018119.D

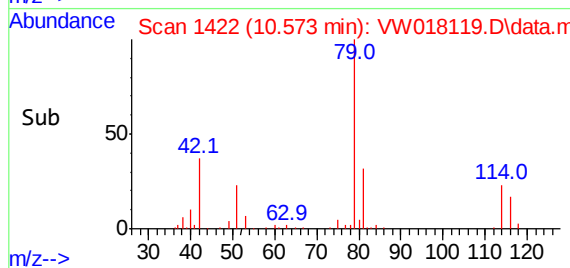
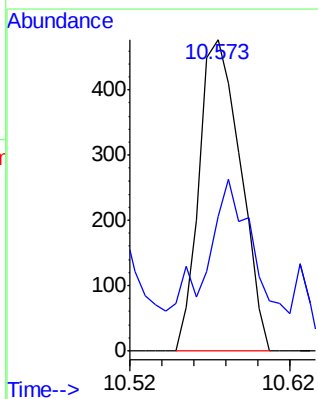
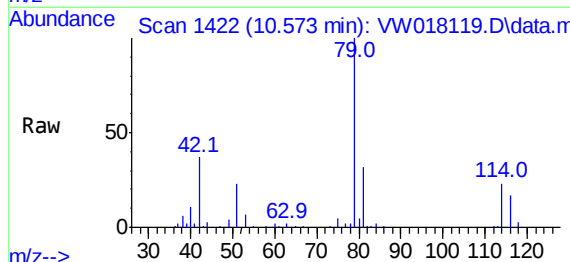
Acq: 12 Feb 2021 18:47

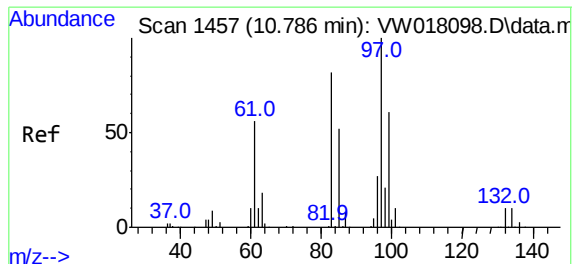
Tgt Ion: 75 Resp: 795

Ion Ratio Lower Upper

75 100

77 43.2 22.6 42.0#



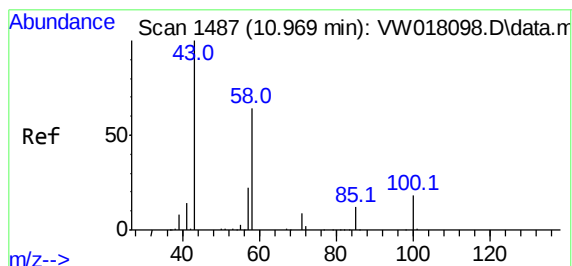
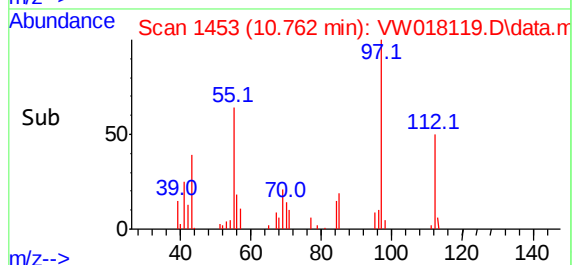
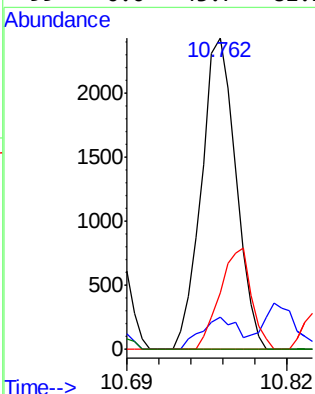
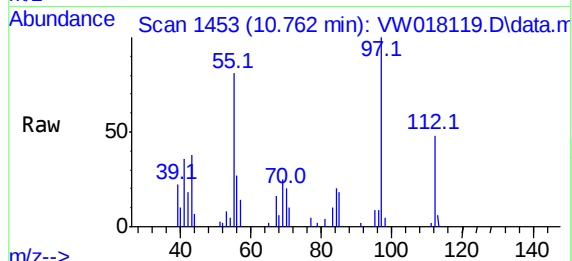


#46
1,1,2-Trichloroethane
Concen: 3.01 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0

Tgt Ion: 97 Resp: 4481

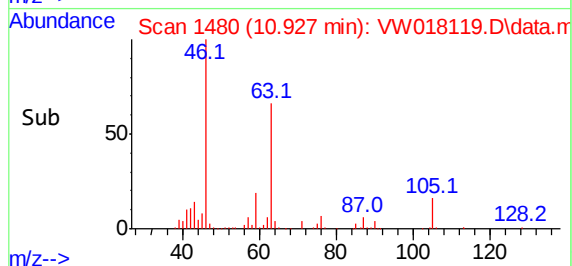
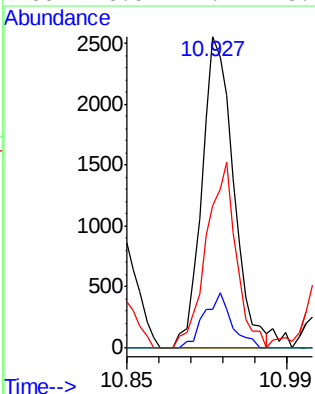
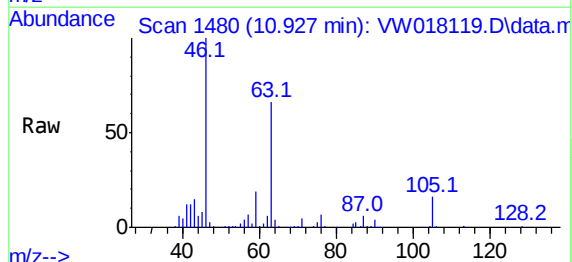
Ion	Ratio	Lower	Upper
97	100		
83	10.1	58.5	108.7#
85	18.1	37.8	70.2#
99	0.0	43.7	81.1#

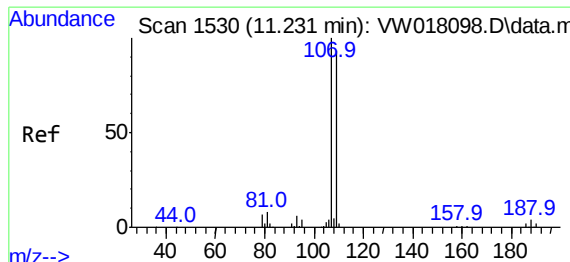


#49
2-Hexanone
Concen: 6.77 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Tgt Ion: 43 Resp: 5101

Ion	Ratio	Lower	Upper
43	100		
58	15.3	51.3	76.9#
57	56.6	15.0	22.6#
100	0.0	12.2	18.2#

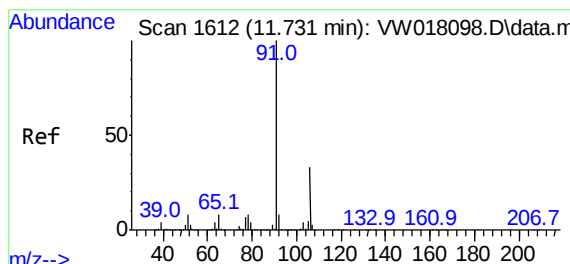
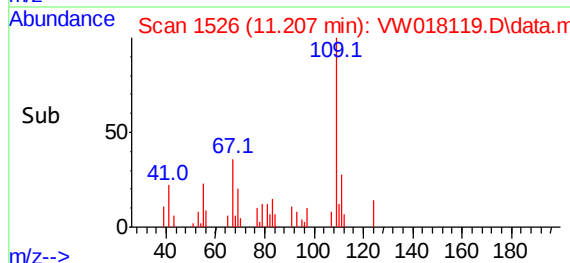
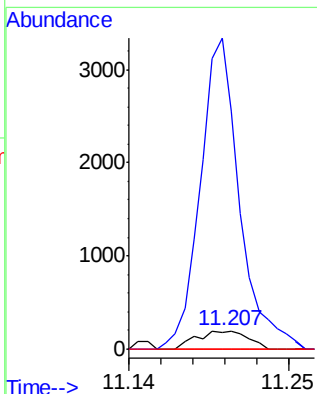
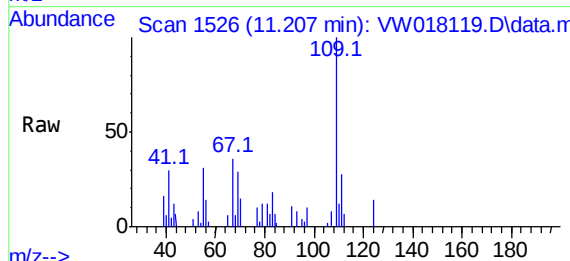




#51
1,2-Dibromoethane
Concen: 0.30 ug/L
RT: 11.207 min Scan# 1526
Delta R.T. -0.024 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

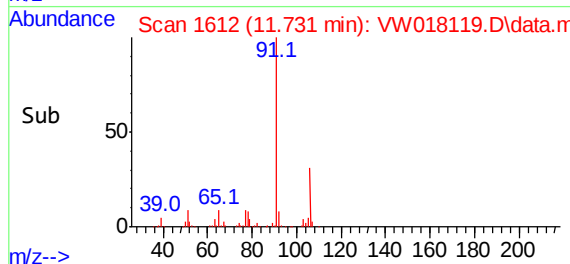
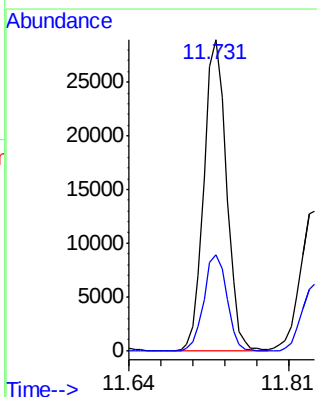
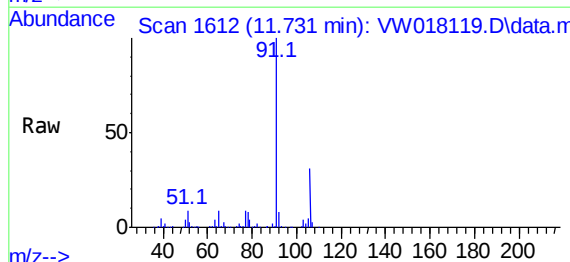
Instrument :
MSVOA_W
ClientSampleId :
DBGZ0

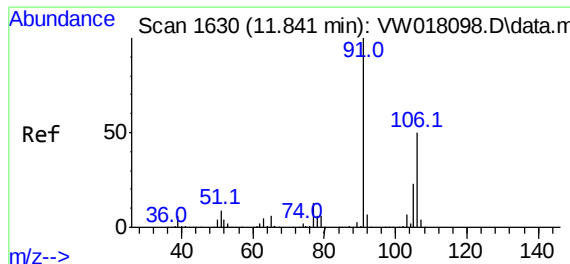
Tgt Ion: 107 Resp: 439
Ion Ratio Lower Upper
107 100
109 1308.2 66.4 123.2#
188 0.0 4.0 6.0#



#53
Ethylbenzene
Concen: 4.94 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Tgt Ion: 91 Resp: 46992
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.1

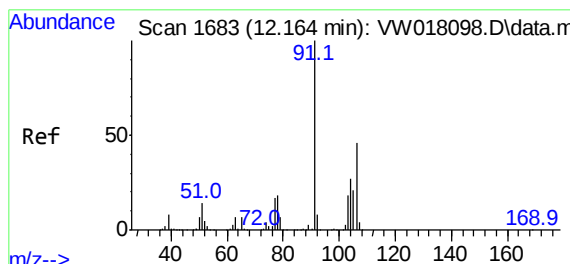
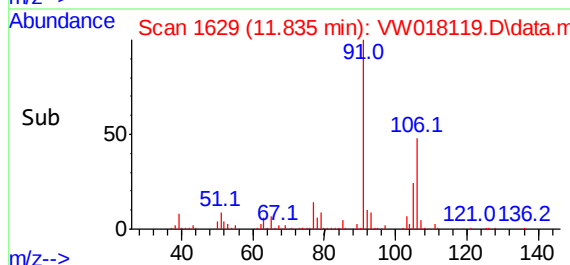
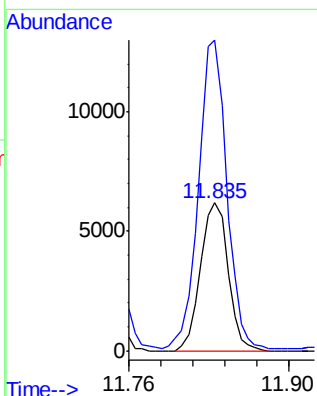
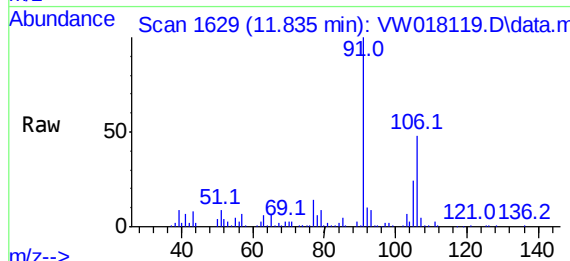




#54
m,p-Xylene
Concen: 3.01 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

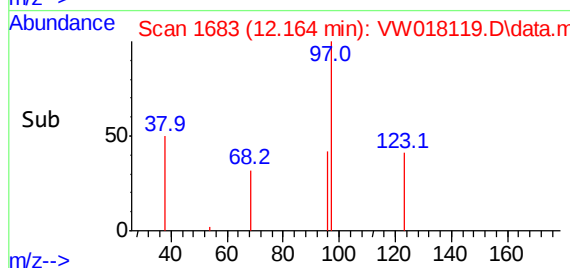
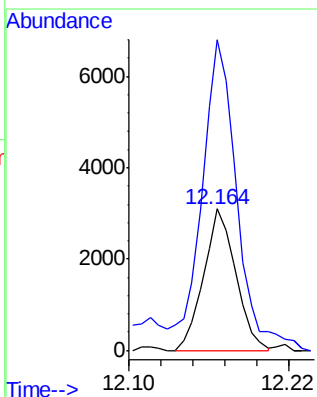
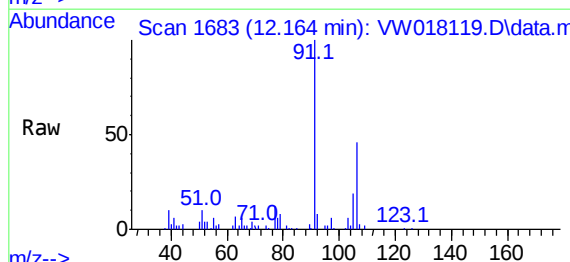
Instrument :
MSVOA_W
ClientSampleId :
DBGZ0

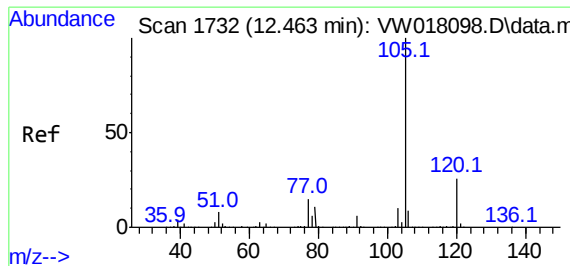
Tgt Ion:106 Resp: 10900
Ion Ratio Lower Upper
106 100
91 209.9 136.4 253.4



#55
o-xylene
Concen: 1.46 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Tgt Ion:106 Resp: 5012
Ion Ratio Lower Upper
106 100
91 219.3 147.6 274.2

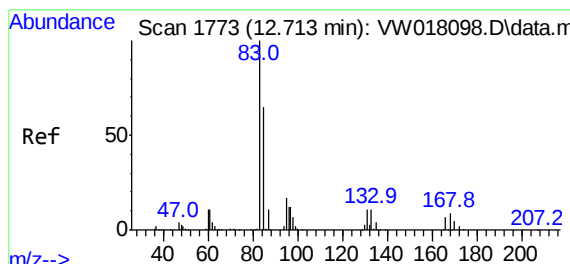
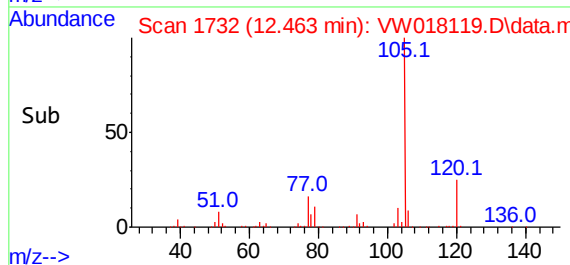
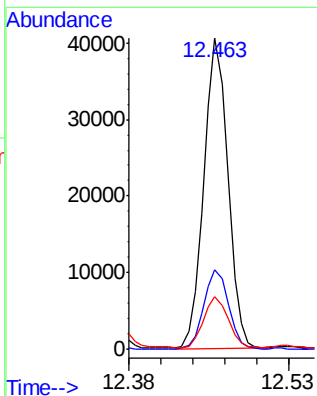
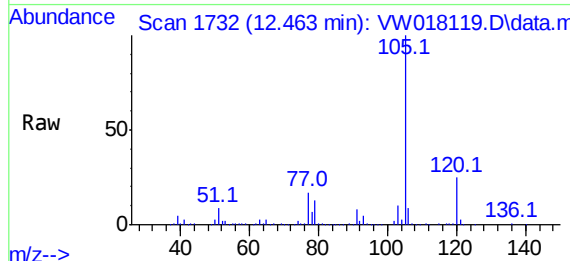




#57
Isopropylbenzene
Concen: 6.48 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

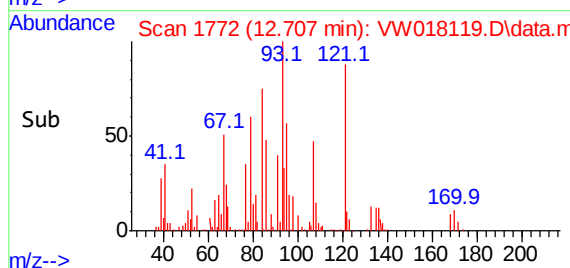
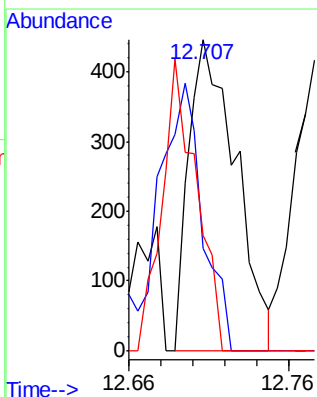
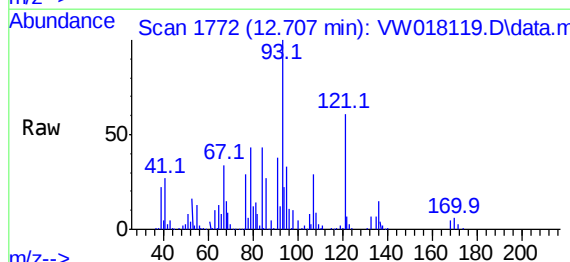
Instrument :
MSVOA_W
ClientSampleId :
DBGZ0

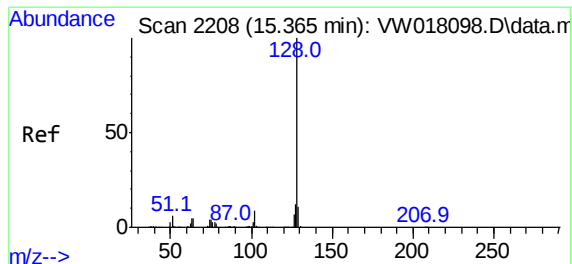
Tgt Ion: 105 Resp: 62069
Ion Ratio Lower Upper
105 100
120 25.9 21.4 32.2
77 17.0 12.1 18.1



#58
1,1,2,2-Tetrachloroethane
Concen: 0.55 ug/L
RT: 12.707 min Scan# 1772
Delta R.T. -0.006 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Tgt Ion: 83 Resp: 964
Ion Ratio Lower Upper
83 100
85 33.0 45.3 84.1#
131 37.0 8.3 12.5#





#69
Naphthalene
Concen: 6.08 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018119.D
Acq: 12 Feb 2021 18:47

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0

Tgt Ion:128 Resp: 21024

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.7	10.7	16.1

