

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042121\
 Data File : VW018722.D
 Acq On : 21 Apr 2021 19:09
 Operator : SY/VA
 Sample : M2129-09
 Misc : 4.29G/10ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 01:25:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Apr 22 01:20:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	518136	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	410227	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	151525	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	103374	13.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.52%
7) Chloroethane-d5	2.892	69	102317	14.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.64%
11) 1,1-Dichloroethene-d2	4.019	63	132811	9.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	38.84%#
21) 2-Butanone-d5	7.080	46	38474	21.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	42.94%
24) Chloroform-d	7.647	84	270962	19.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.24%
26) 1,2-Dichloroethane-d4	8.305	65	148097	18.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.08%
32) Benzene-d6	8.275	84	466459	19.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.52%
36) 1,2-Dichloropropane-d6	9.275	67	158327	21.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.32%
41) Toluene-d8	10.323	98	375795	17.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	68.28%
43) trans-1,3-Dichloroprop...	10.579	79	55082	17.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.36%
47) 2-Hexanone-d5	10.927	63	42063	33.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.70%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	115996	19.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.60%
66) 1,2-Dichlorobenzene-d4	13.853	152	104566	19.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.56%
Target Compounds						
8) Chloroethane	2.928	64	3650027	589.05	ug/L	99
13) Acetone	4.123	43	183402	140.97	ug/L	88
16) Methylene chloride	4.922	84	62109	7.31	ug/L	87
19) 1,1-Dichloroethane	6.220	63	167492	12.43	ug/L	98
22) 2-Butanone	7.171	43	68279	34.54	ug/L	97
27) 1,2-Dichloroethane	8.403	62	6415	0.69	ug/L #	90
29) Cyclohexane	7.958	56	6857	0.68	ug/L	98
33) Benzene	8.324	78	252887	9.82	ug/L	100
35) Methylcyclohexane	9.336	83	3405	0.30	ug/L #	70
39) cis-1,3-Dichloropropene	10.037	75	4427	0.46	ug/L #	63
40) 4-Methyl-2-pentanone	10.213	43	13825	3.45	ug/L	91
42) Toluene	10.390	91	142676	5.16	ug/L	99
48) 2-Hexanone	10.939	43	86581	34.19	ug/L #	41
51) Chlorobenzene	11.658	112	17665	1.04	ug/L	97
52) Ethylbenzene	11.731	91	2339445	76.59	ug/L	98
53) m,p-Xylene	11.841	106	583185	52.04	ug/L	94
54) o-Xylene	12.164	106	439233	40.83	ug/L	97
55) Styrene	12.170	104	28755	1.55	ug/L #	1
60) Isopropylbenzene	12.463	105	262360	11.77	ug/L	99

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 Response via : Initial Calibration

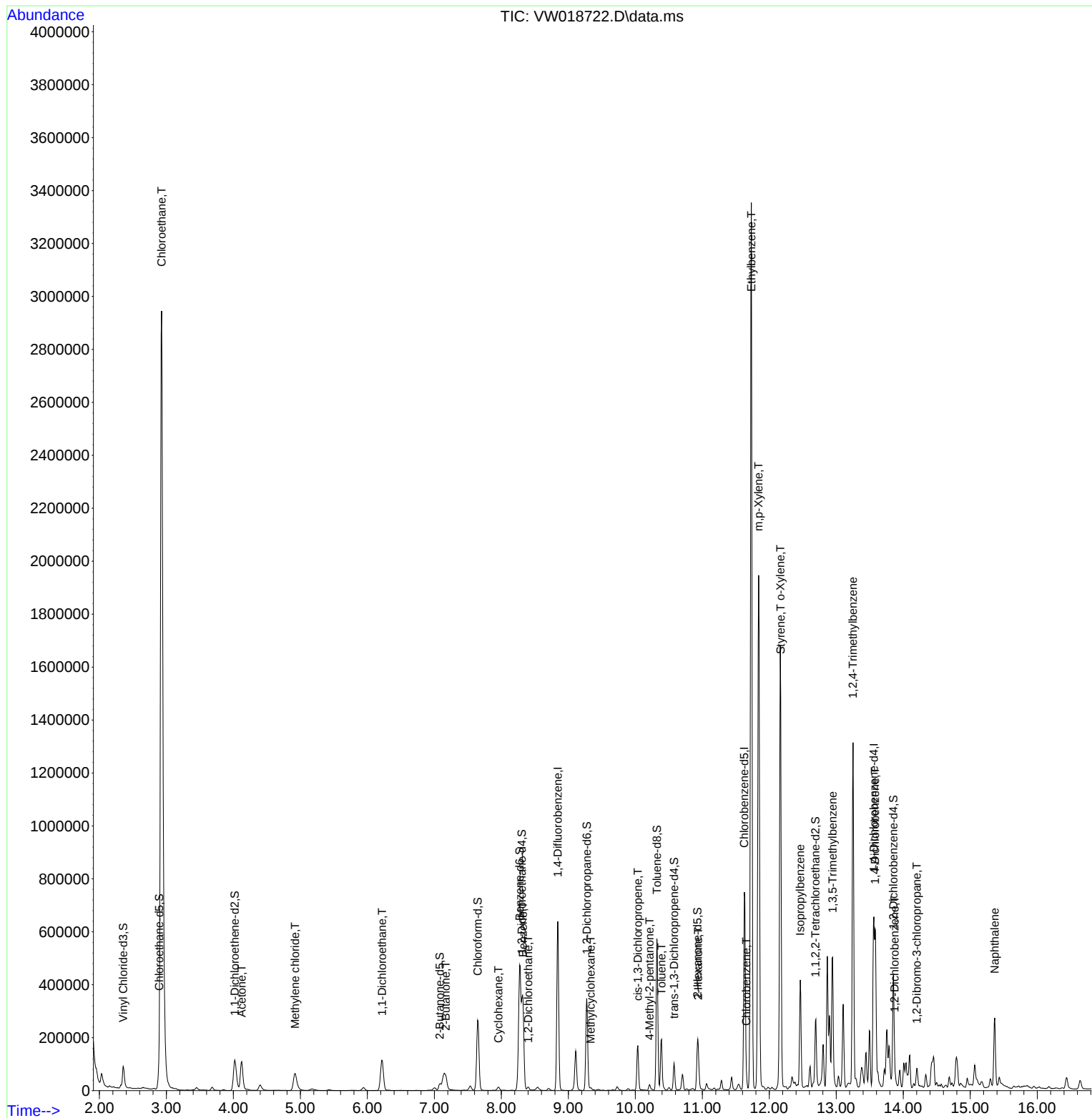
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	12.945	105	249486	13.51	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	707664	38.41	ug/L	100
65) 1,4-Dichlorobenzene	13.579	146	52021	5.45	ug/L	92
67) 1,2-Dichlorobenzene	13.871	146	3719	0.43	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	14.201	75	1065	1.48	ug/L #	8
71) Naphthalene	15.365	128	222585	19.25	ug/L	99

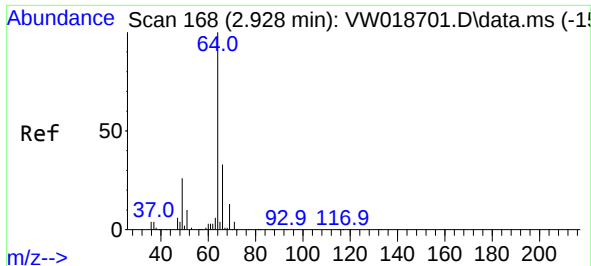
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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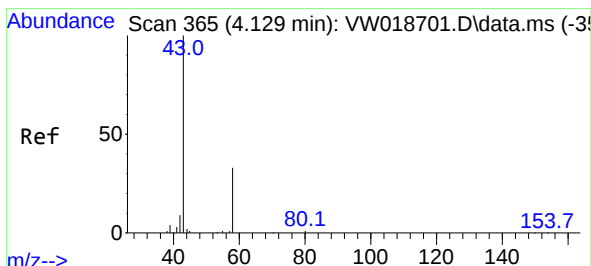
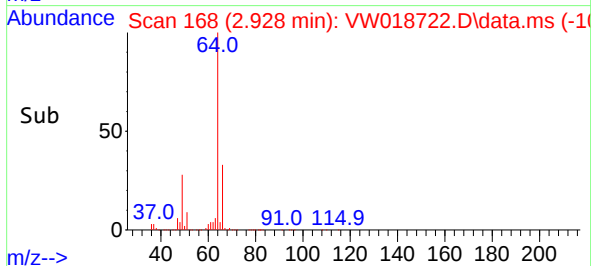
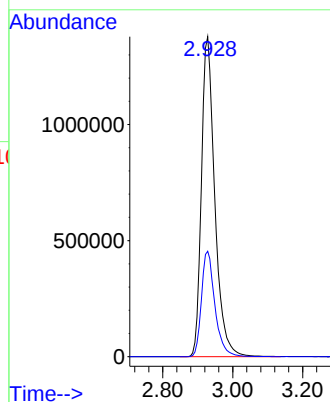
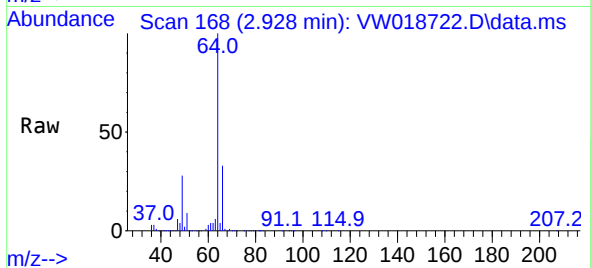




#8
Chloroethane
Concen: 589.05 ug/L
RT: 2.928 min Scan# 168
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

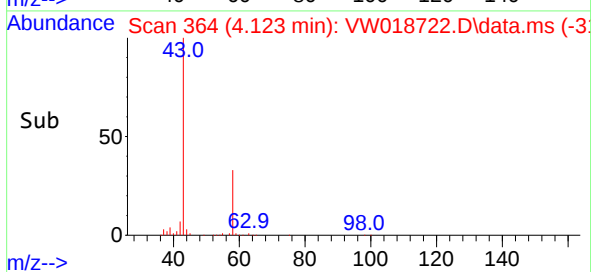
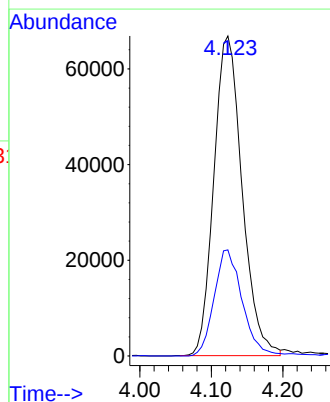
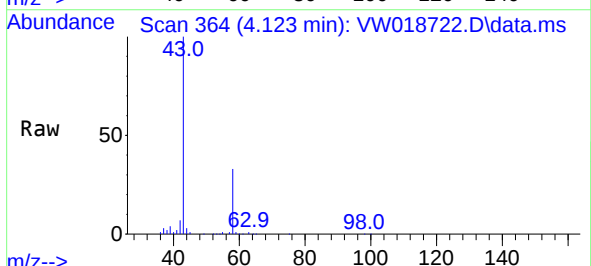
Instrument :
MSVOA_W
ClientSampled :

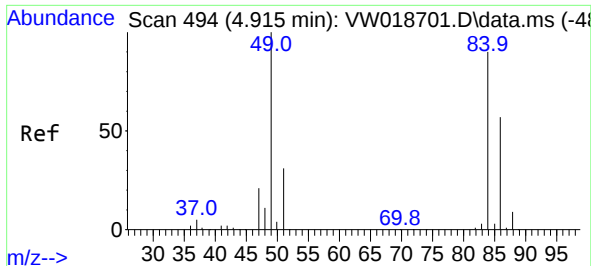
Tgt Ion: 64 Resp: 3650027
Ion Ratio Lower Upper
64 100
66 33.0 23.4 43.6



#13
Acetone
Concen: 140.97 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

Tgt Ion: 43 Resp: 183402
Ion Ratio Lower Upper
43 100
58 32.9 0.0 53.8

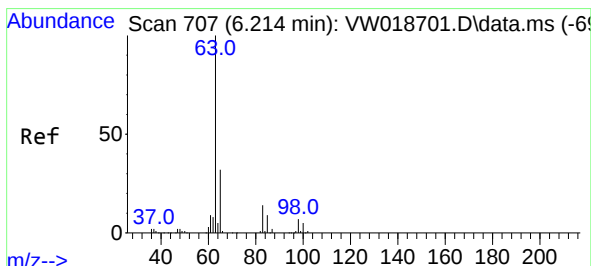
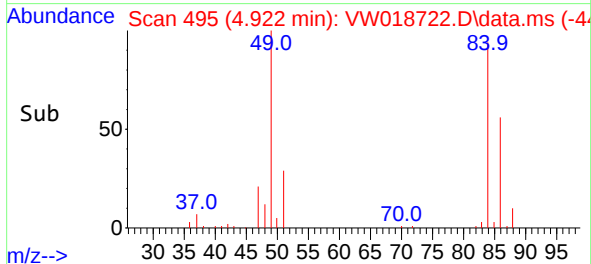
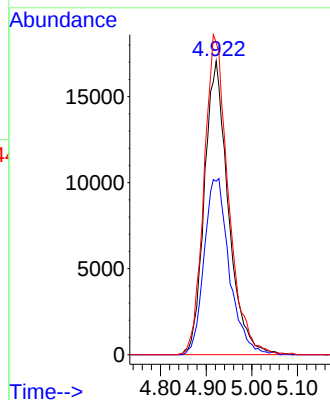
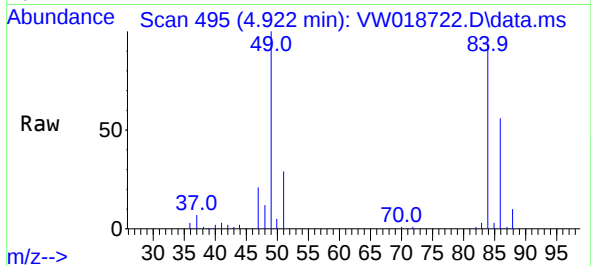




#16
Methylene chloride
Concen: 7.31 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

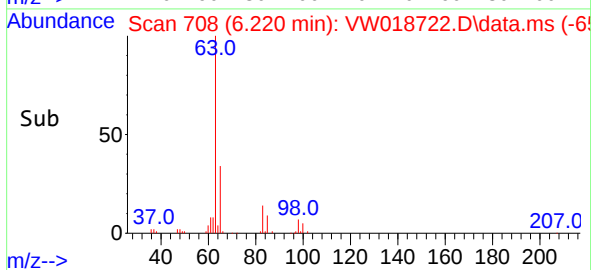
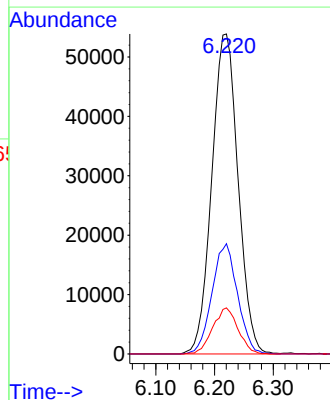
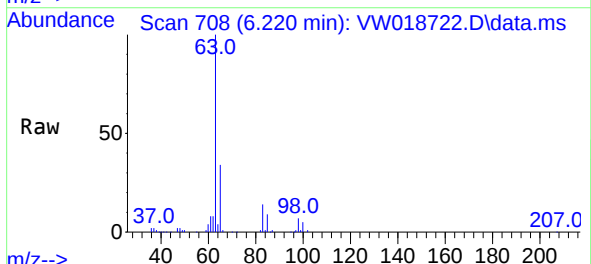
Instrument :
MSVOA_W
ClientSampled :

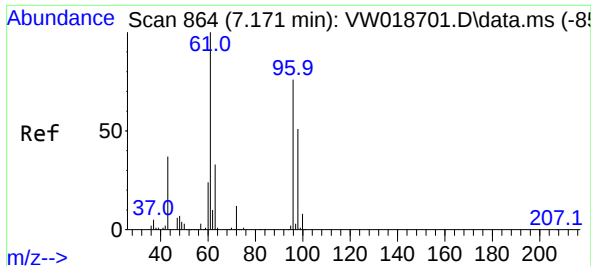
Tgt Ion: 84 Resp: 62109
Ion Ratio Lower Upper
84 100
86 59.1 45.3 84.1
49 106.3 86.6 160.8



#19
1,1-Dichloroethane
Concen: 12.43 ug/L
RT: 6.220 min Scan# 708
Delta R.T. 0.006 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

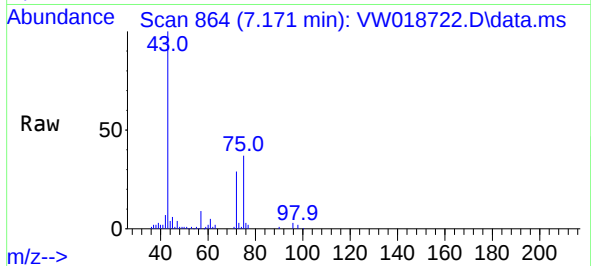
Tgt Ion: 63 Resp: 167492
Ion Ratio Lower Upper
63 100
65 34.4 22.9 42.5
83 14.4 10.2 19.0



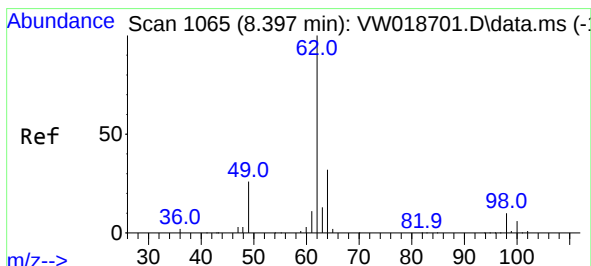
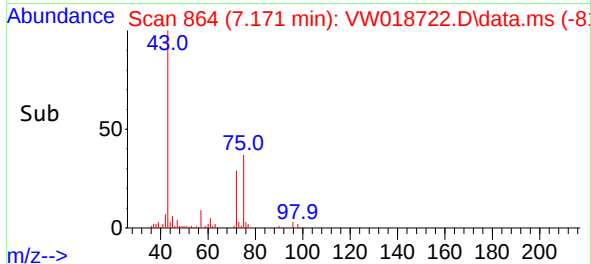
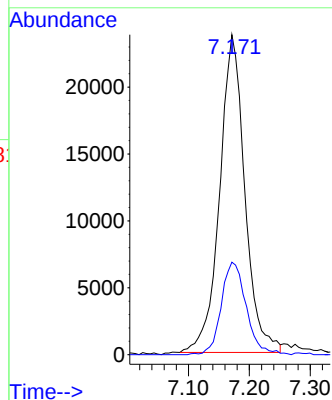


#22
2-Butanone
Concen: 34.54 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

Instrument :
MSVOA_W
ClientSampled :

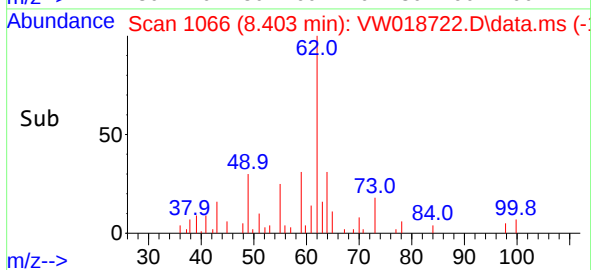
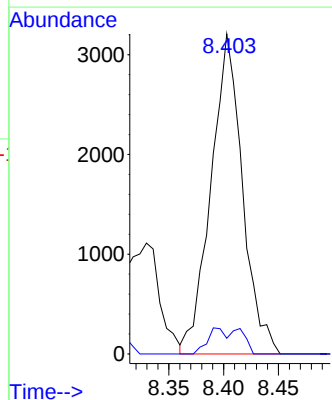
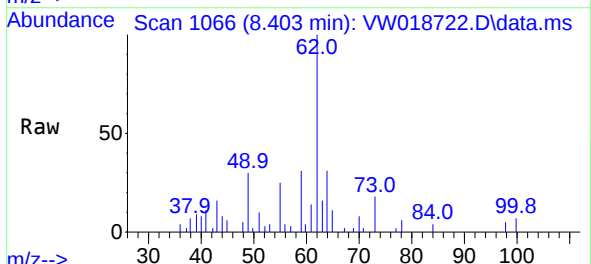


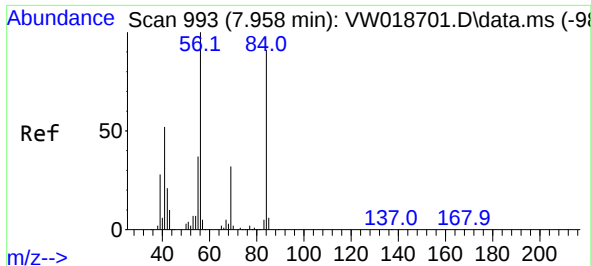
Tgt Ion: 43 Resp: 68279
Ion Ratio Lower Upper
43 100
72 28.4 14.9 44.7



#27
1,2-Dichloroethane
Concen: 0.69 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

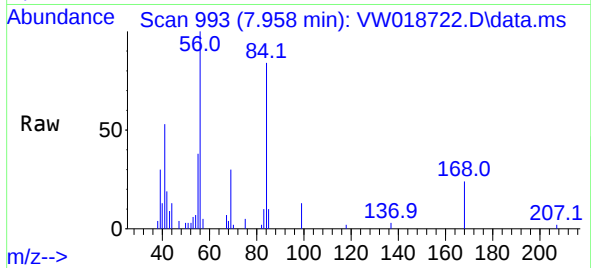
Tgt Ion: 62 Resp: 6415
Ion Ratio Lower Upper
62 100
98 4.9 6.9 10.3#



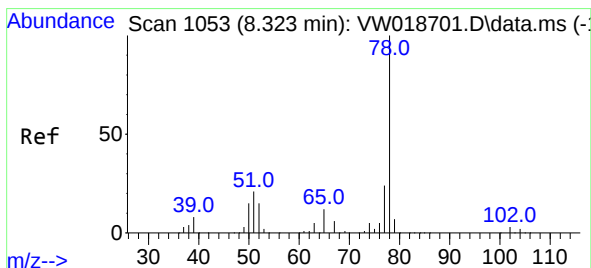
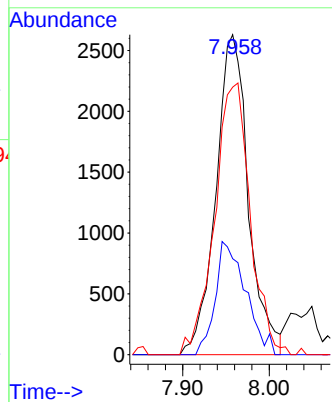
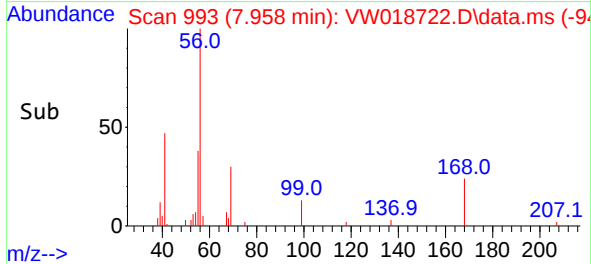


#29
Cyclohexane
Concen: 0.68 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

Instrument :
MSVOA_W
ClientSampled :

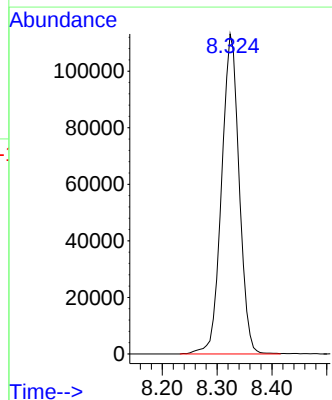
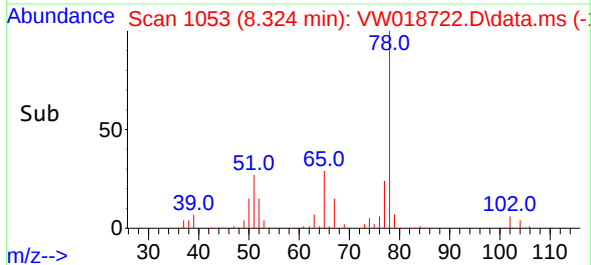
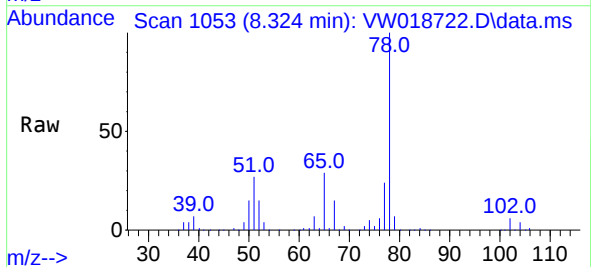


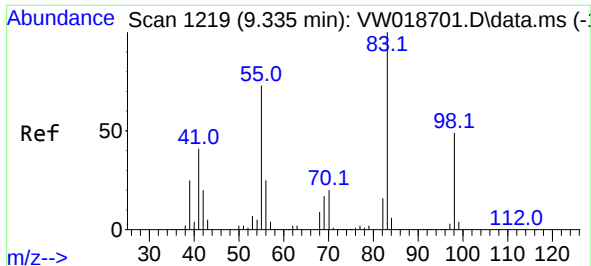
Tgt Ion: 56 Resp: 6857
Ion Ratio Lower Upper
56 100
69 32.1 24.5 36.7
84 92.3 75.0 112.4



#33
Benzene
Concen: 9.82 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

Tgt Ion: 78 Resp: 252887

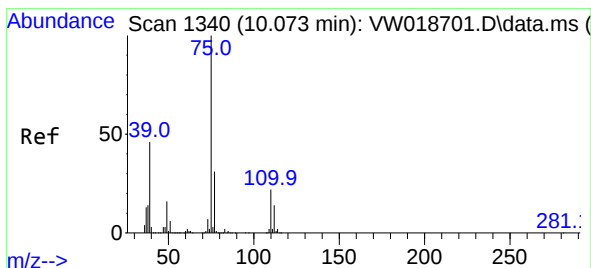
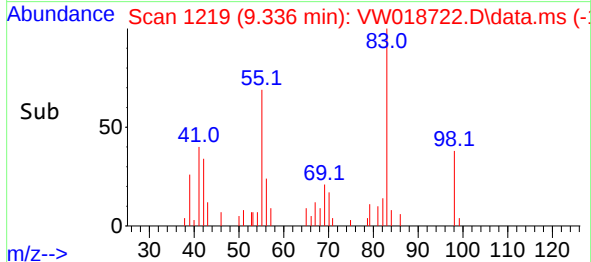
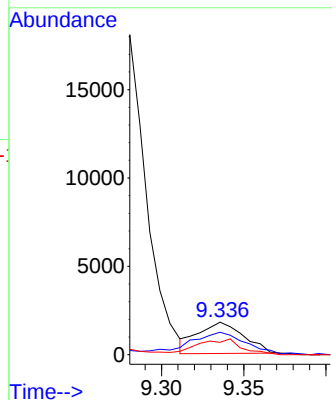
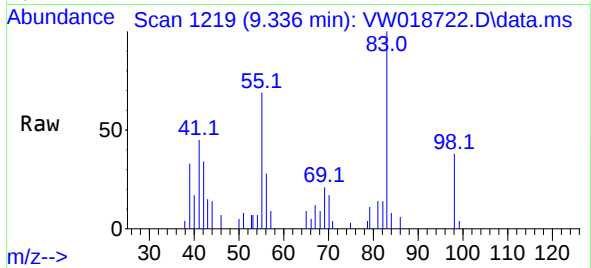




#35
Methylcyclohexane
Concen: 0.30 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

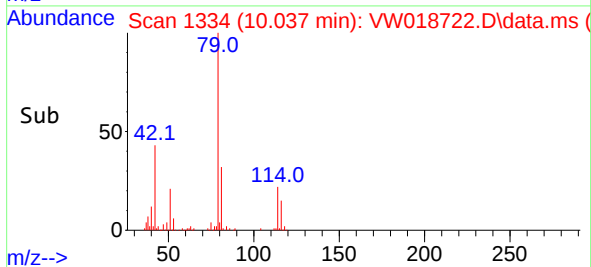
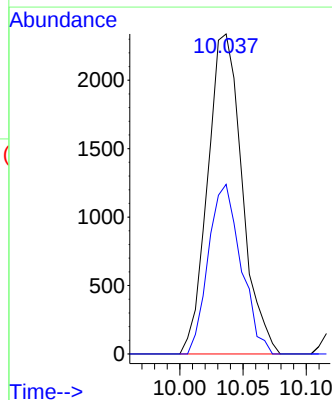
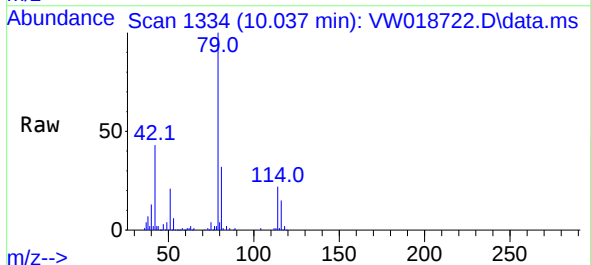
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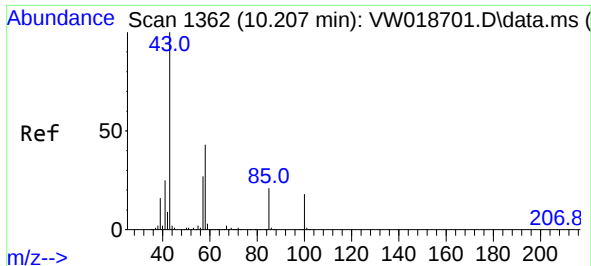
Tgt Ion: 83 Resp: 3405
Ion Ratio Lower Upper
83 100
55 90.2 58.9 88.3#
98 19.2 40.1 60.1#



#39
cis-1,3-Dichloropropene
Concen: 0.46 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.036 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

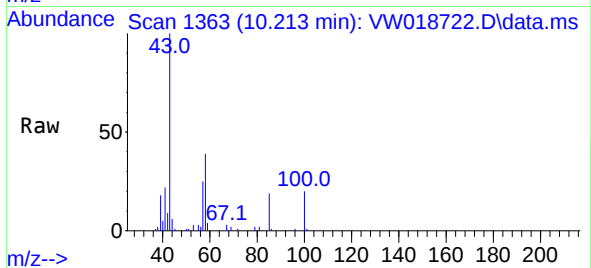
Tgt Ion: 75 Resp: 4427
Ion Ratio Lower Upper
75 100
77 53.0 22.6 42.0#



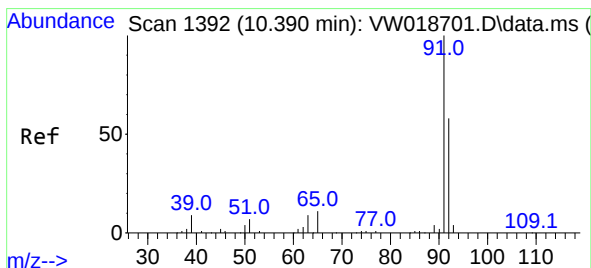
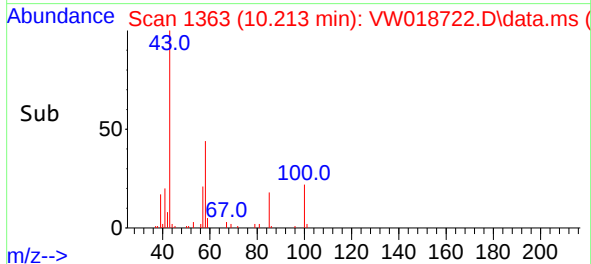
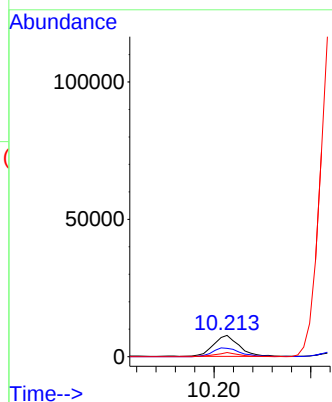


#40
4-Methyl-2-pentanone
Concen: 3.45 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

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ClientSampled :

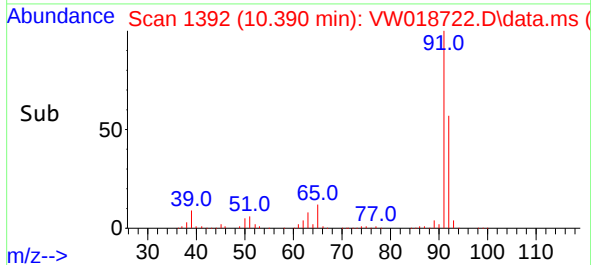
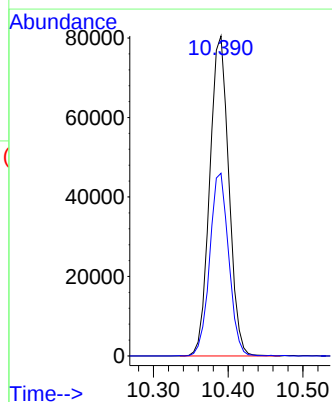
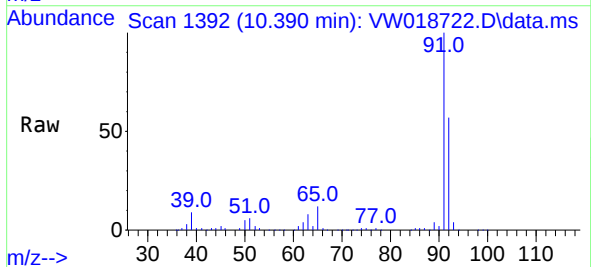


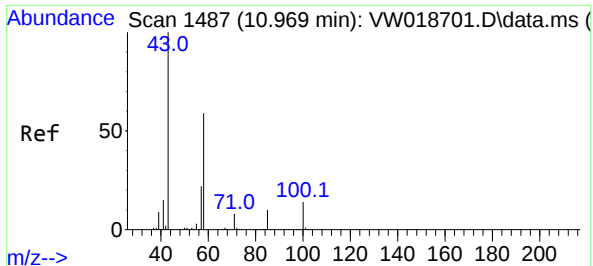
Tgt Ion: 43 Resp: 13825
Ion Ratio Lower Upper
43 100
58 45.3 31.0 46.4
100 18.4 13.0 19.6



#42
Toluene
Concen: 5.16 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

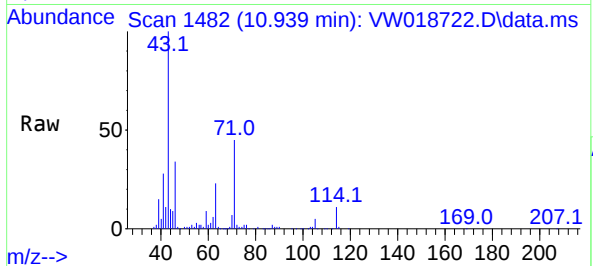
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Ion Ratio Lower Upper
91 100
92 57.1 39.5 73.3



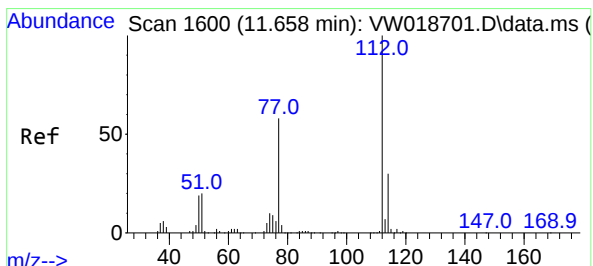
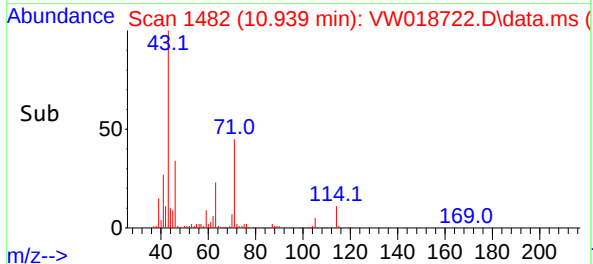
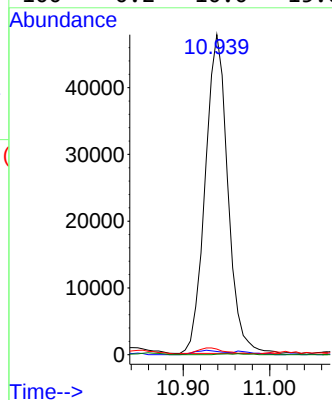


#48
2-Hexanone
Concen: 34.19 ug/L
RT: 10.939 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

Instrument :
MSVOA_W
ClientSampled :

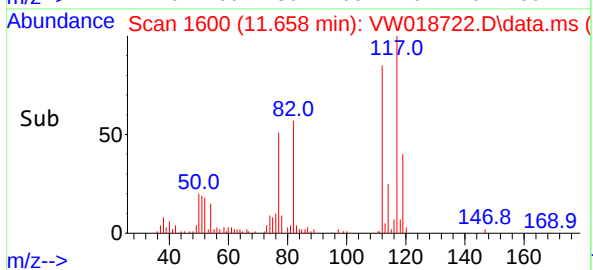
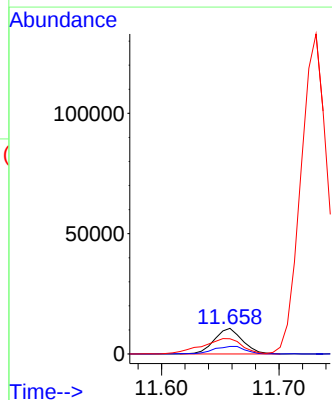
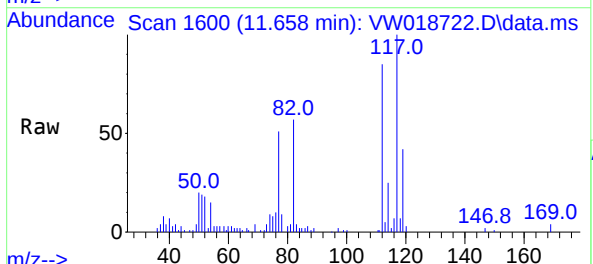


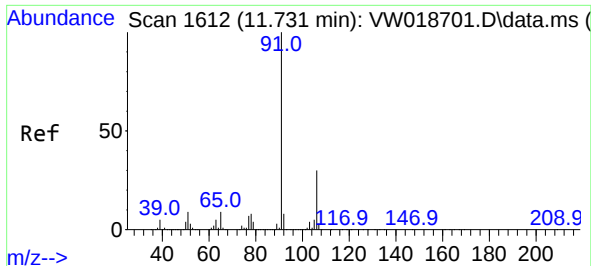
Tgt Ion: 43 Resp: 86581
Ion Ratio Lower Upper
43 100
58 1.7 42.7 64.1#
57 2.4 15.8 23.8#
100 0.2 10.0 15.0#



#51
Chlorobenzene
Concen: 1.04 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

Tgt Ion: 112 Resp: 17665
Ion Ratio Lower Upper
112 100
114 29.4 23.4 43.6
77 59.6 47.6 71.4

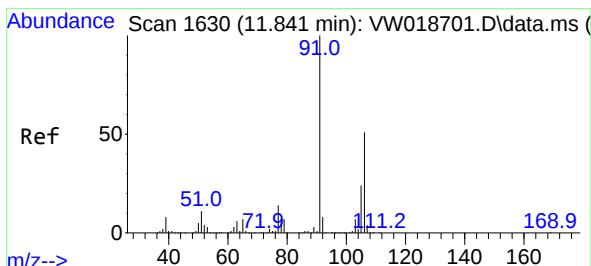
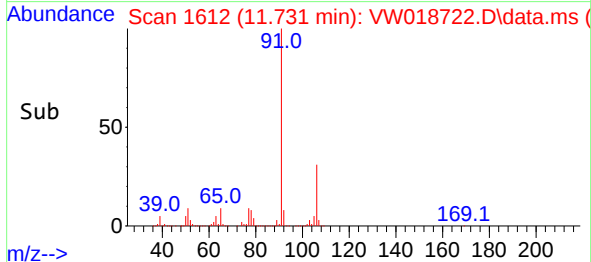
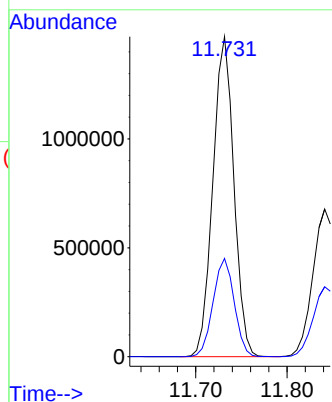
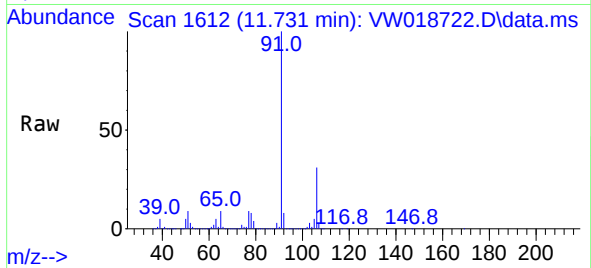




#52
Ethylbenzene
Concen: 76.59 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

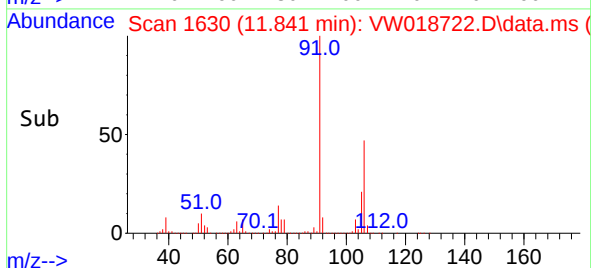
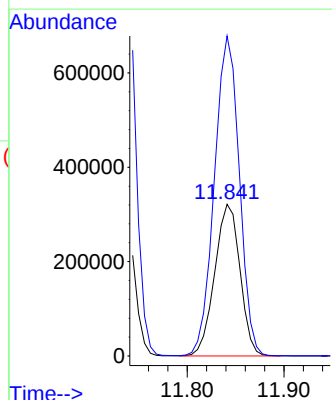
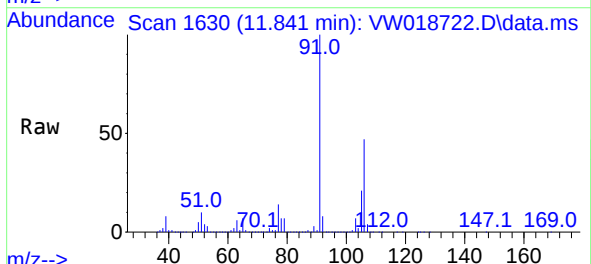
Instrument :
MSVOA_W
ClientSampled :

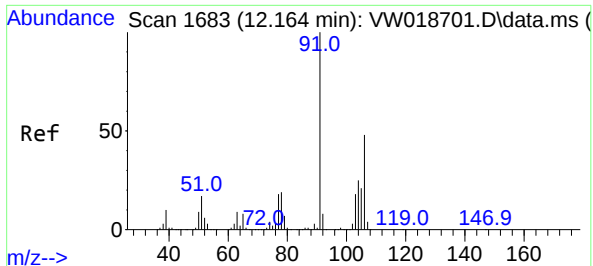
Tgt Ion: 91 Resp: 2339445
Ion Ratio Lower Upper
91 100
106 30.7 22.5 41.7



#53
m,p-Xylene
Concen: 52.04 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

Tgt Ion:106 Resp: 583185
Ion Ratio Lower Upper
106 100
91 211.0 141.3 262.3

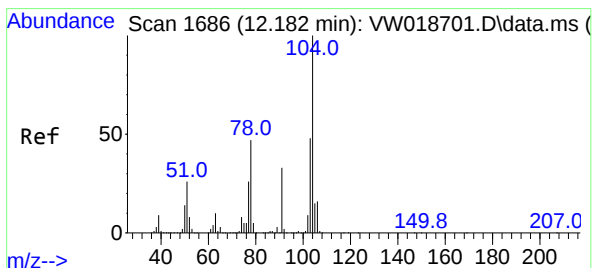
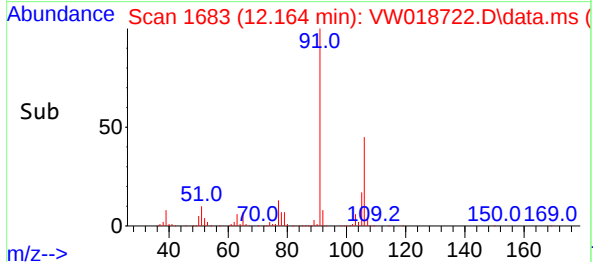
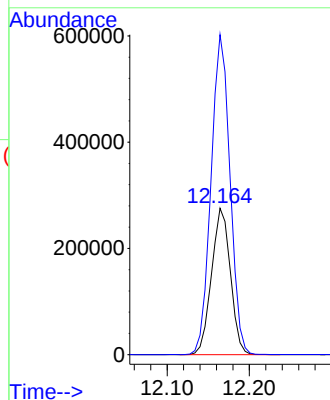
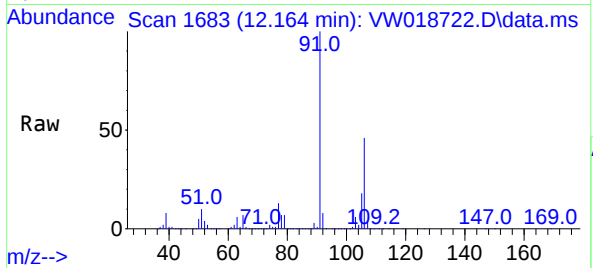




#54
o-Xylene
Concen: 40.83 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

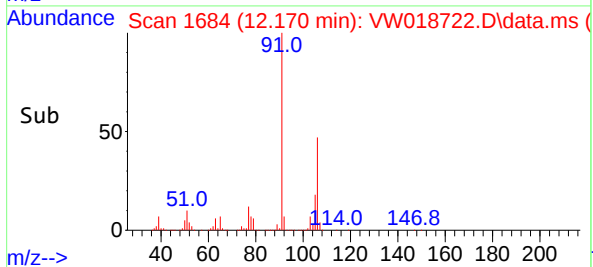
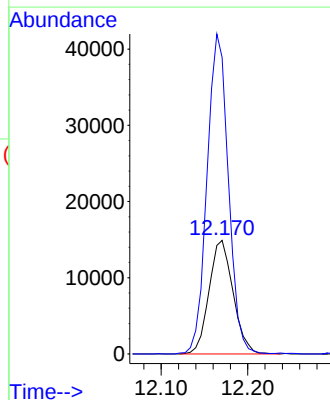
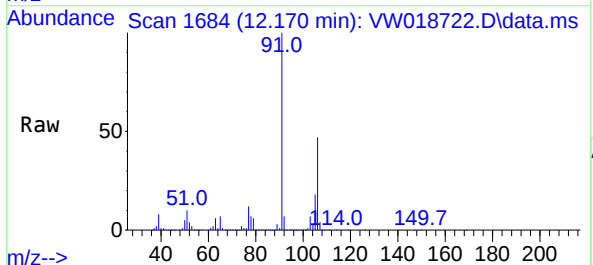
Instrument :
MSVOA_W
ClientSampled :

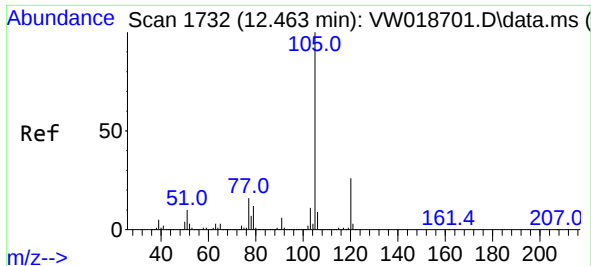
Tgt Ion:106 Resp: 439233
Ion Ratio Lower Upper
106 100
91 218.5 150.0 278.6



#55
Styrene
Concen: 1.55 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. -0.012 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

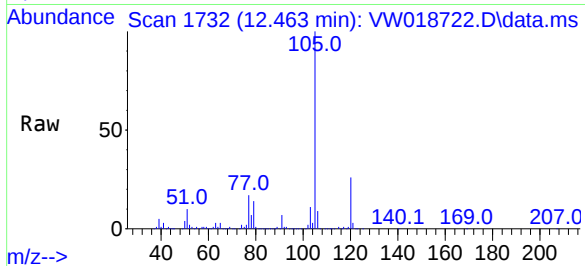
Tgt Ion:104 Resp: 28755
Ion Ratio Lower Upper
104 100
78 260.9 32.5 60.3#



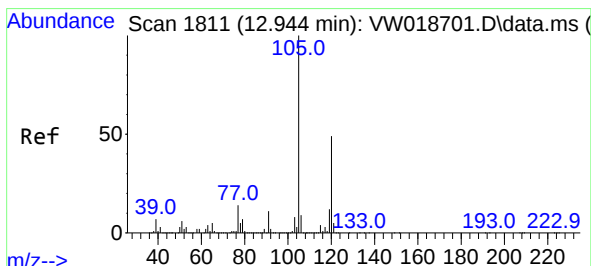
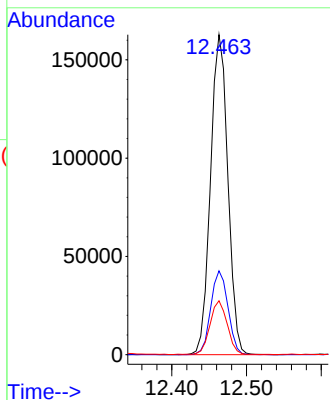
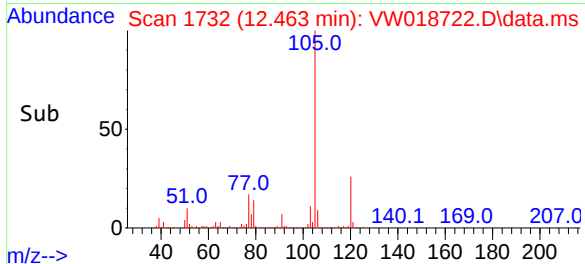


#60
Isopropylbenzene
Concen: 11.77 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

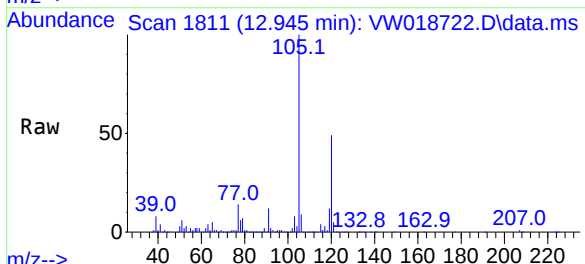
Instrument :
MSVOA_W
ClientSampleId :



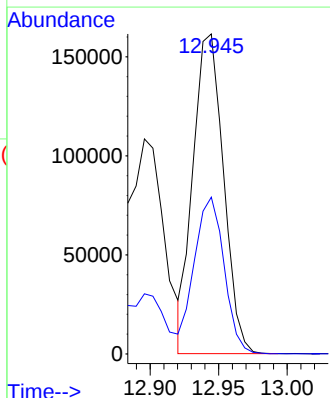
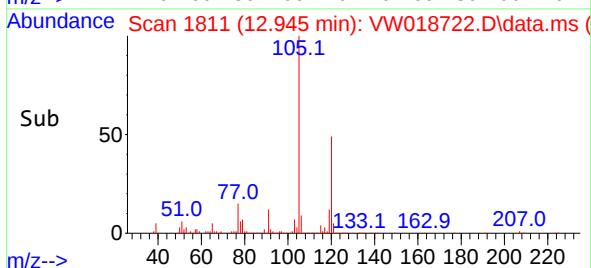
Tgt Ion:105 Resp: 262360
Ion Ratio Lower Upper
105 100
120 26.0 21.1 31.7
77 16.6 13.2 19.8

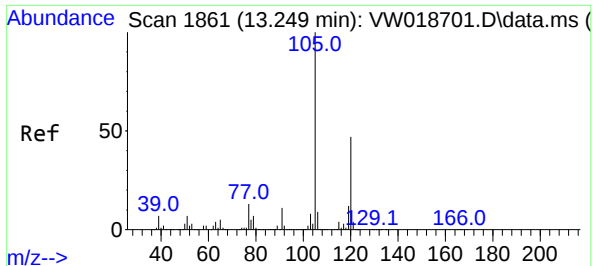


#62
1,3,5-Trimethylbenzene
Concen: 13.51 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09



Tgt Ion:105 Resp: 249486
Ion Ratio Lower Upper
105 100
120 48.0 39.0 58.6

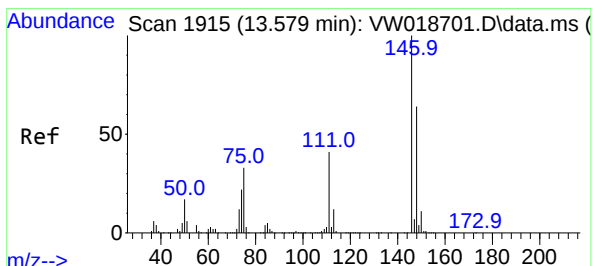
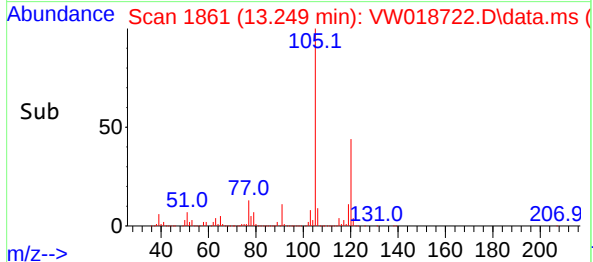
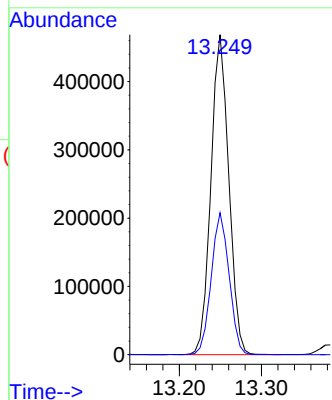
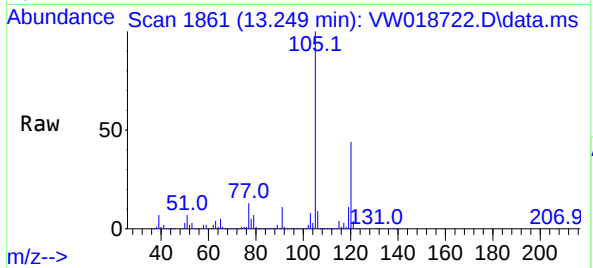




#63
1,2,4-Trimethylbenzene
Concen: 38.41 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

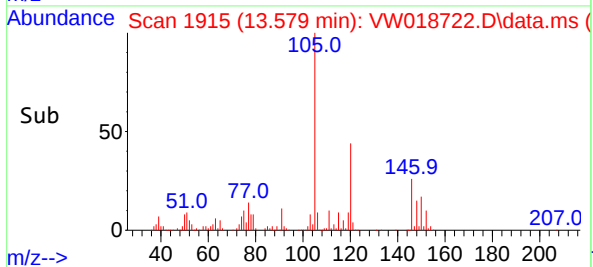
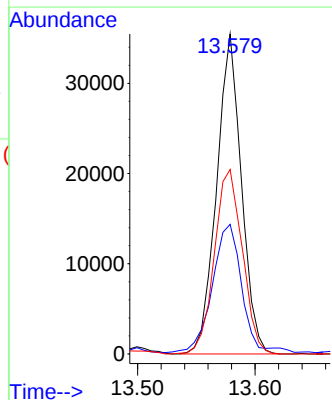
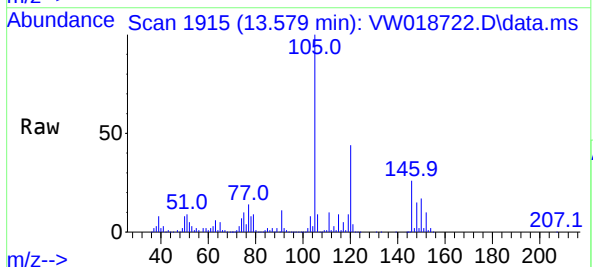
Instrument :
MSVOA_W
ClientSampled :

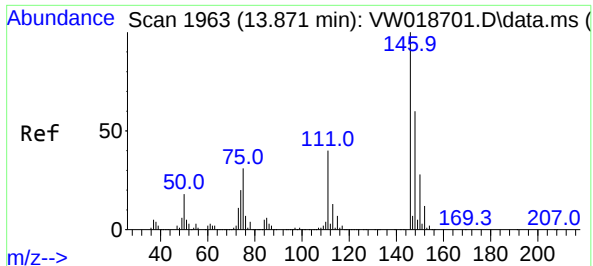
Tgt Ion:105 Resp: 707664
Ion Ratio Lower Upper
105 100
120 44.3 35.6 53.4



#65
1,4-Dichlorobenzene
Concen: 5.45 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

Tgt Ion:146 Resp: 52021
Ion Ratio Lower Upper
146 100
111 40.5 28.8 53.4
148 57.6 46.8 87.0

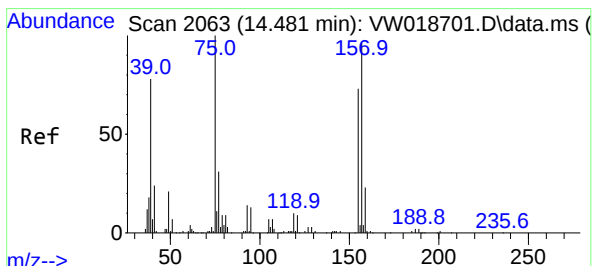
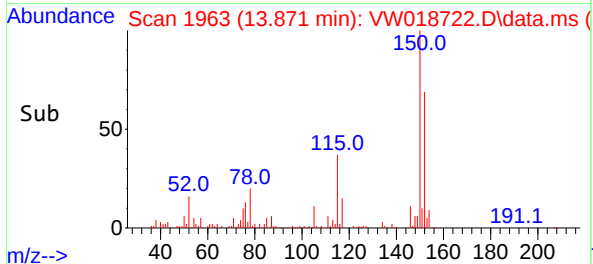
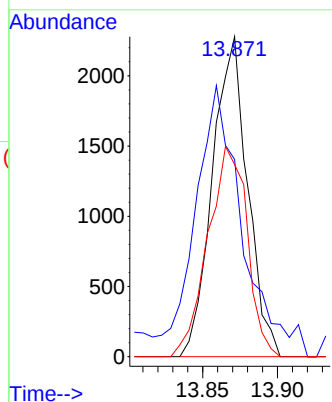
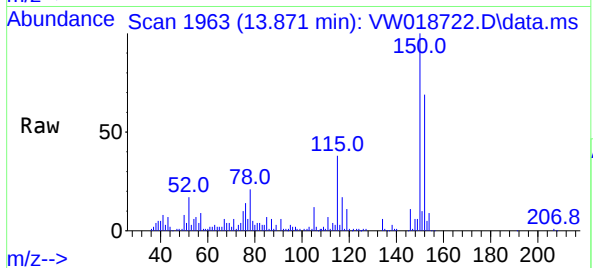




#67
1,2-Dichlorobenzene
Concen: 0.43 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

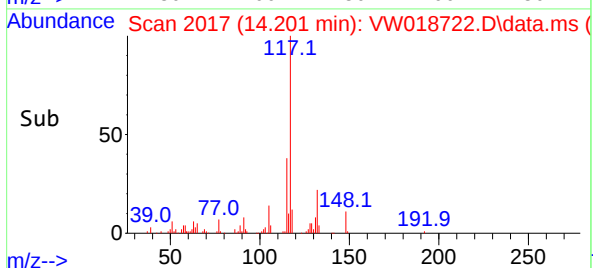
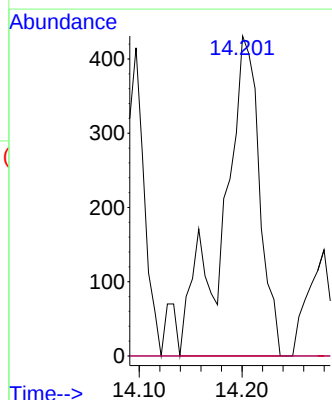
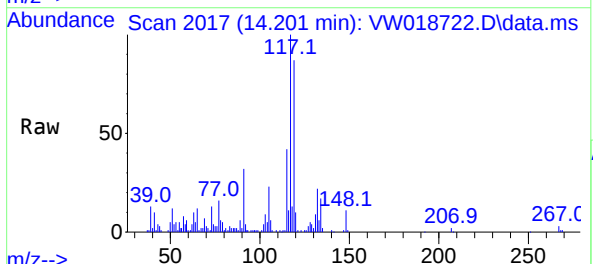
Instrument :
MSVOA_W
ClientSampled :

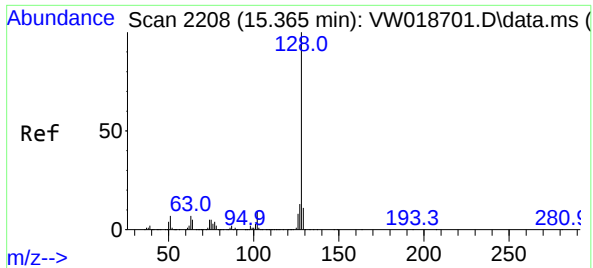
Tgt Ion:146 Resp: 3719
Ion Ratio Lower Upper
146 100
111 61.6 33.2 49.8#
148 60.1 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 1.48 ug/L
RT: 14.201 min Scan# 2017
Delta R.T. -0.280 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

Tgt Ion: 75 Resp: 1065
Ion Ratio Lower Upper
75 100
155 0.0 59.4 89.0#
157 0.0 72.2 108.2#





#71
Naphthalene
Concen: 19.25 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018722.D
Acq: 21 Apr 2021 19:09

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 222585
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.7 9.0 13.6

