

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042221\
 Data File : VW018734.D
 Acq On : 22 Apr 2021 14:18
 Operator : SY/VA
 Sample : M2129-10
 Misc : 4.42G/10ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 23 02:02:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 23 01:53:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	528128	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.633	117	425599	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	167895	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	105219	13.11	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	52.44%		
7) Chloroethane-d5	2.891	69	101661	14.29	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	57.16%		
11) 1,1-Dichloroethene-d2	4.177	63	263	0.02	ug/L	0.15
Spiked Amount 25.000	Range 45 - 110		Recovery =	0.08%#		
21) 2-Butanone-d5	7.079	46	62377	34.14	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	68.28%		
24) Chloroform-d	7.646	84	283110	19.53	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	78.12%		
26) 1,2-Dichloroethane-d4	8.305	65	160177	19.66	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	78.64%		
32) Benzene-d6	8.274	84	481983	19.30	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	77.20%		
36) 1,2-Dichloropropane-d6	9.274	67	167766	22.30	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	89.20%		
41) Toluene-d8	10.323	98	385893	16.90	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	67.60%		
43) trans-1,3-Dichloroprop...	10.579	79	61936	19.34	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	77.36%		
47) 2-Hexanone-d5	10.926	63	62837	48.03	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	96.06%		
56) 1,1,2,2-Tetrachloroeth...	12.694	84	138215	22.00	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	88.00%		
66) 1,2-Dichlorobenzene-d4	13.853	152	129128	21.89	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	87.56%		
Target Compounds						Qvalue
8) Chloroethane	2.928	64	1563484	247.55	ug/L	98
13) Acetone	4.117	43	172247	129.89	ug/L	88
16) Methylene chloride	4.921	84	21411	2.47	ug/L	88
19) 1,1-Dichloroethane	6.220	63	101608	7.40	ug/L	99
22) 2-Butanone	7.171	43	78212	38.81	ug/L	99
27) 1,2-Dichloroethane	8.396	62	5190	0.55	ug/L	97
29) Cyclohexane	7.957	56	3506	0.33	ug/L #	90
33) Benzene	8.323	78	178817	6.69	ug/L	100
39) cis-1,3-Dichloropropene	10.036	75	4816	0.48	ug/L #	72
40) 4-Methyl-2-pentanone	10.213	43	12711	3.06	ug/L #	91
42) Toluene	10.390	91	91982	3.21	ug/L	98
48) 2-Hexanone	10.938	43	104161	39.64	ug/L #	42
51) Chlorobenzene	11.658	112	13487	0.76	ug/L	95
52) Ethylbenzene	11.731	91	1533465	48.39	ug/L	99
53) m,p-Xylene	11.847	106	287778	24.75	ug/L	98
54) o-Xylene	12.164	106	326793	29.28	ug/L	97
55) Styrene	12.164	104	21612	1.12	ug/L #	1
60) Isopropylbenzene	12.463	105	214498	8.69	ug/L	99
62) 1,3,5-Trimethylbenzene	12.944	105	150122	7.34	ug/L	98

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Instrument :
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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Apr 23 01:53:36 2021
Response via : Initial Calibration

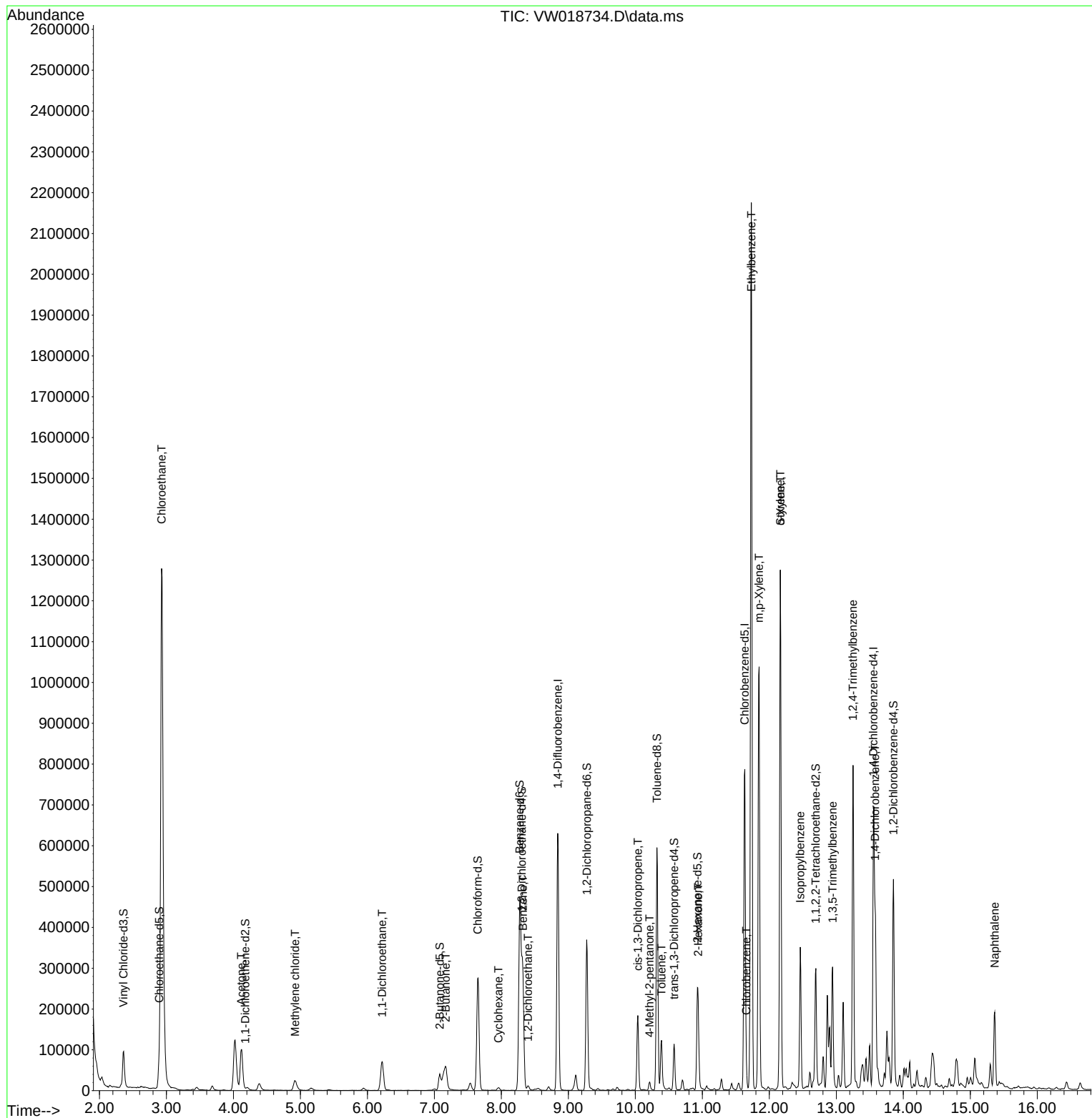
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.249	105	427437	20.94	ug/L	99
65) 1,4-Dichlorobenzene	13.578	146	35996	3.40	ug/L	94
71) Naphthalene	15.365	128	161685	12.62	ug/L	100

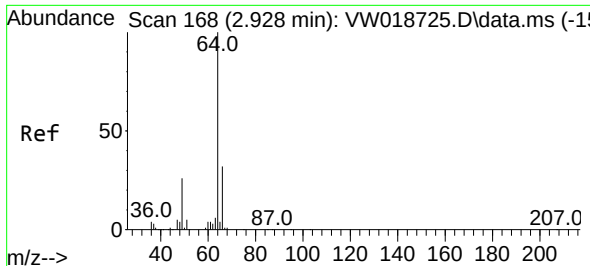
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 23 02:02:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Apr 23 01:53:36 2021
Response via : Initial Calibration

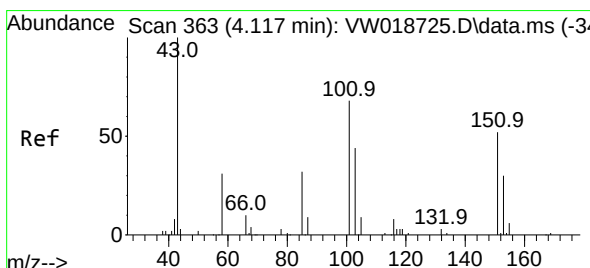
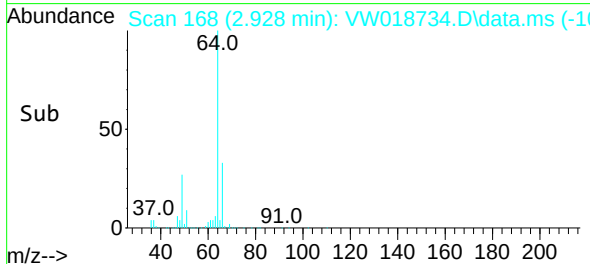
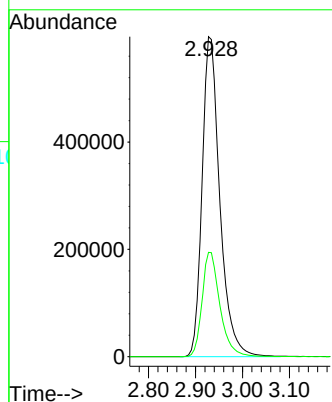
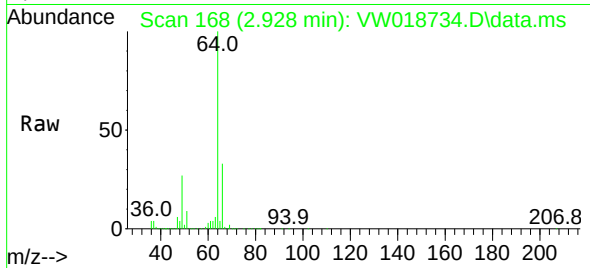




#8
Chloroethane
Concen: 247.55 ug/L
RT: 2.928 min Scan# 168
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

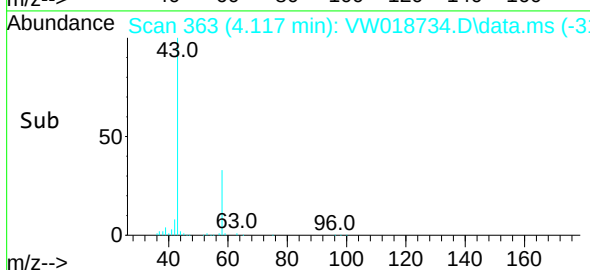
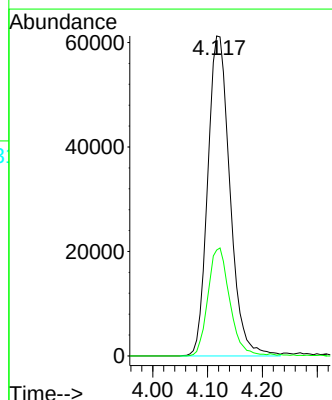
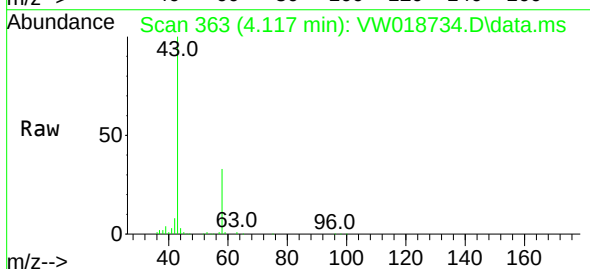
Instrument :
MSVOA_W
ClientSampled :

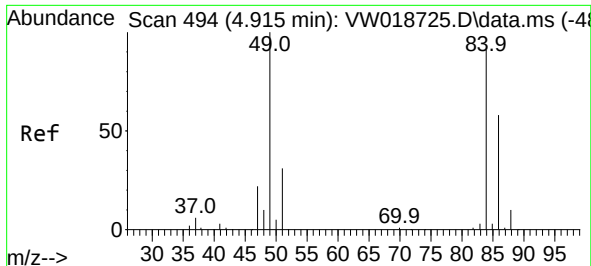
Tgt Ion: 64 Resp: 1563484
Ion Ratio Lower Upper
64 100
66 32.6 23.4 43.6



#13
Acetone
Concen: 129.89 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

Tgt Ion: 43 Resp: 172247
Ion Ratio Lower Upper
43 100
58 33.0 0.0 53.8

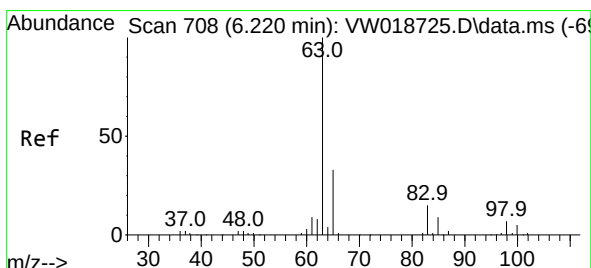
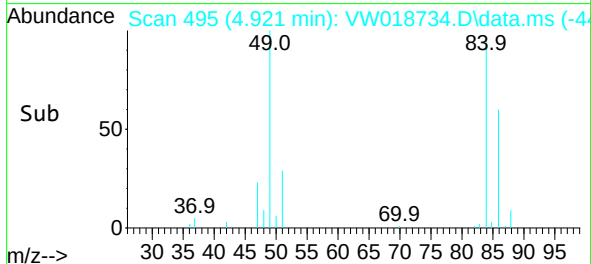
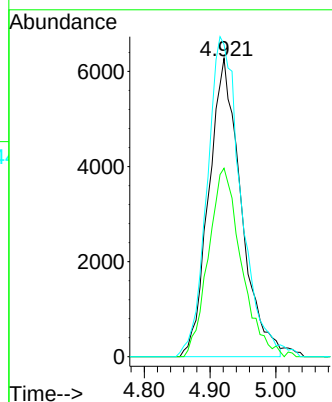
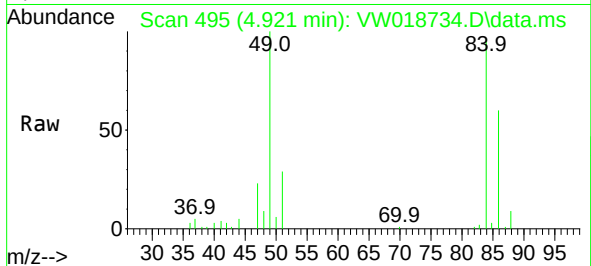




#16
Methylene chloride
Concen: 2.47 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

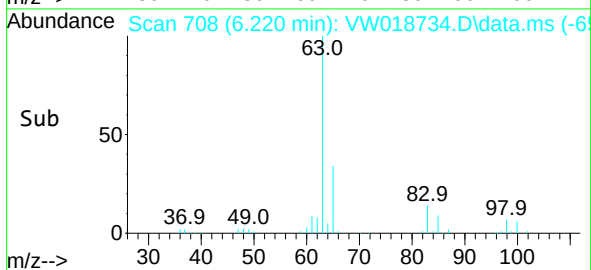
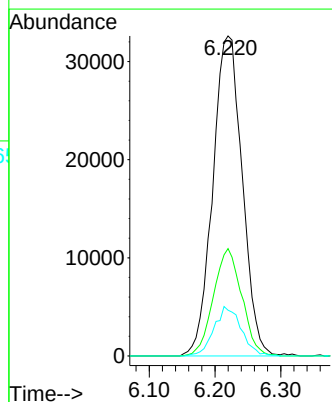
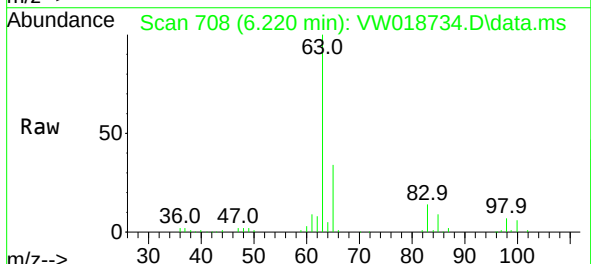
Instrument :
MSVOA_W
ClientSampled :

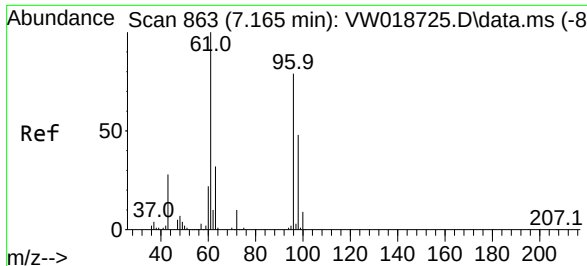
Tgt Ion: 84 Resp: 21411
Ion Ratio Lower Upper
84 100
86 63.2 45.3 84.1
49 104.6 86.6 160.8



#19
1,1-Dichloroethane
Concen: 7.40 ug/L
RT: 6.220 min Scan# 708
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

Tgt Ion: 63 Resp: 101608
Ion Ratio Lower Upper
63 100
65 33.5 22.9 42.5
83 14.3 10.2 19.0

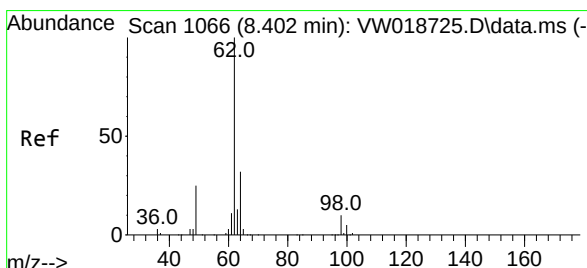
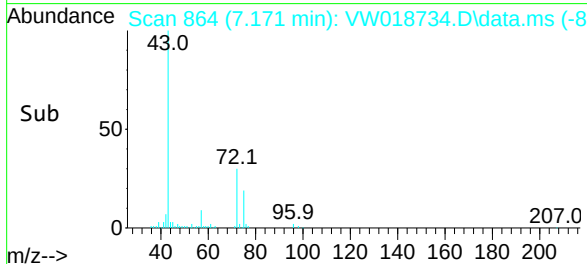
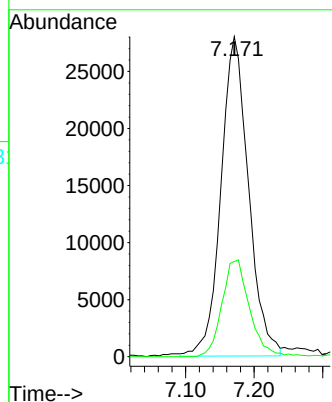
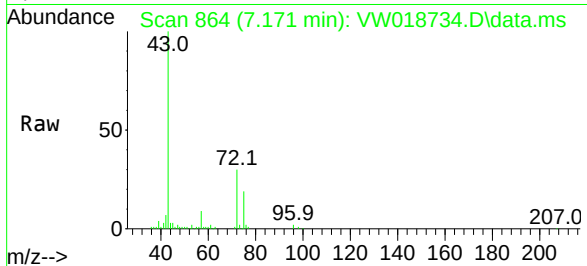




#22
2-Butanone
Concen: 38.81 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

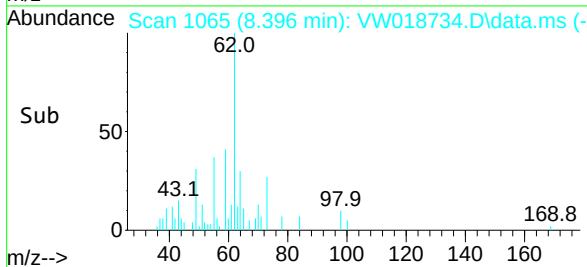
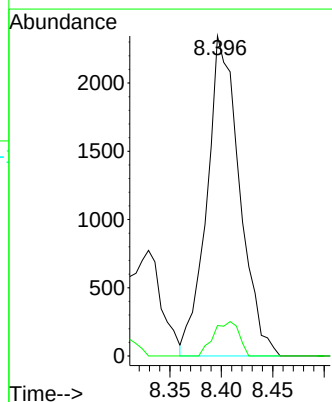
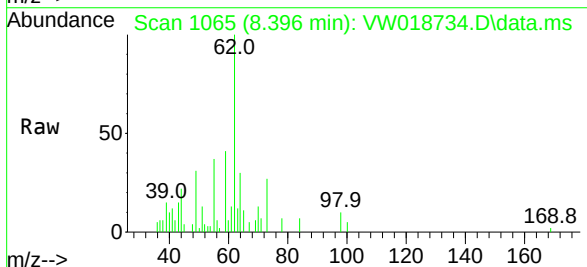
Instrument :
MSVOA_W
ClientSampled :

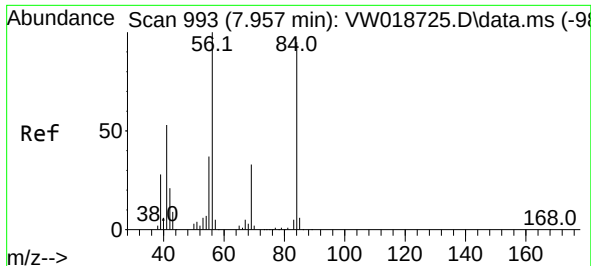
Tgt Ion: 43 Resp: 78212
Ion Ratio Lower Upper
43 100
72 30.2 14.9 44.7



#27
1,2-Dichloroethane
Concen: 0.55 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

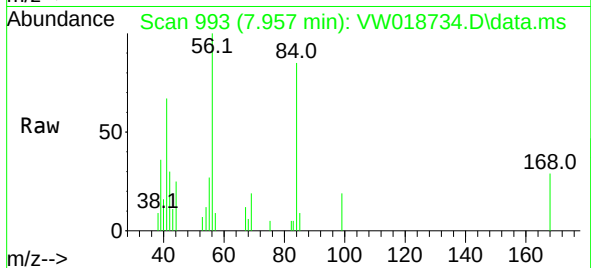
Tgt Ion: 62 Resp: 5190
Ion Ratio Lower Upper
62 100
98 9.5 6.9 10.3



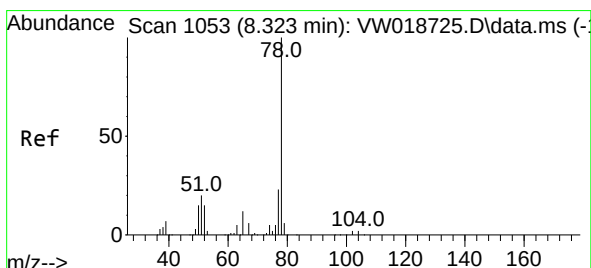
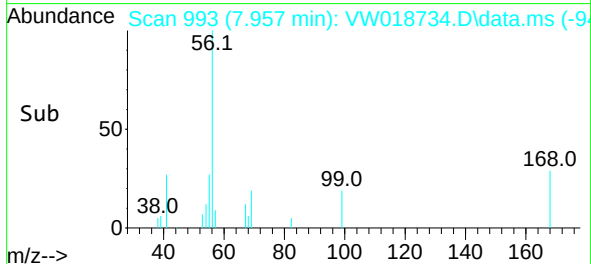
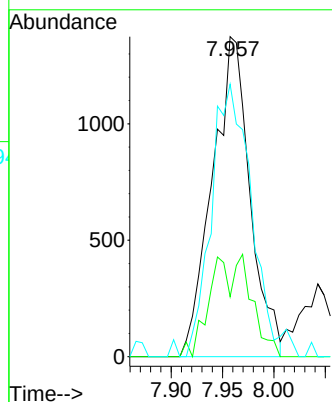


#29
Cyclohexane
Concen: 0.33 ug/L
RT: 7.957 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

Instrument :
MSVOA_W
ClientSampleId :

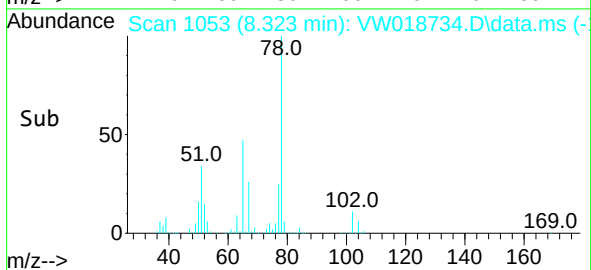
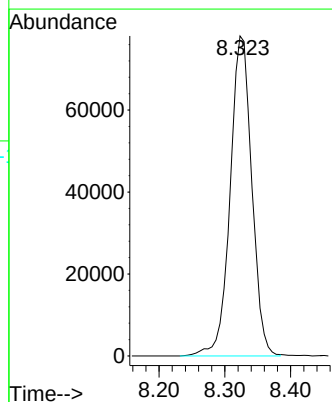
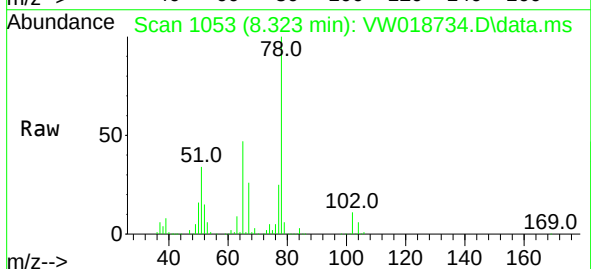


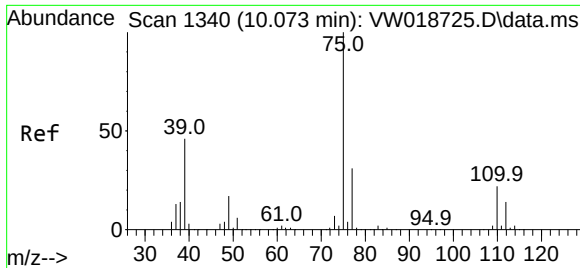
Tgt Ion: 56 Resp: 3506
Ion Ratio Lower Upper
56 100
69 17.5 24.5 36.7#
84 88.4 75.0 112.4



#33
Benzene
Concen: 6.69 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

Tgt Ion: 78 Resp: 178817

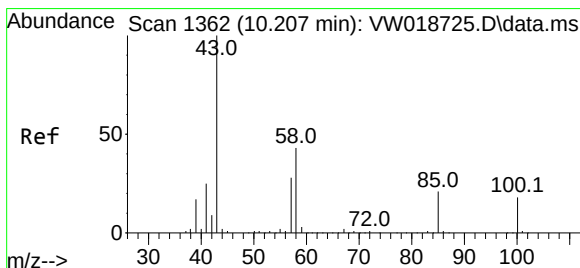
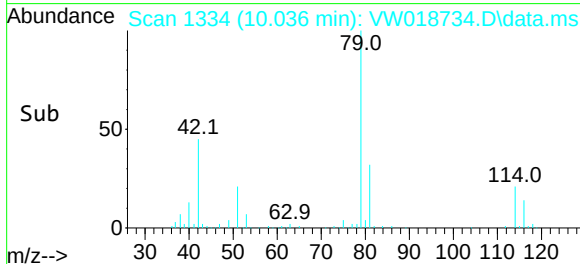
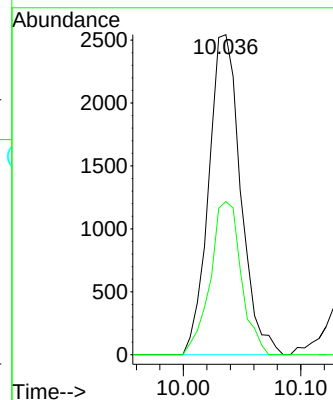
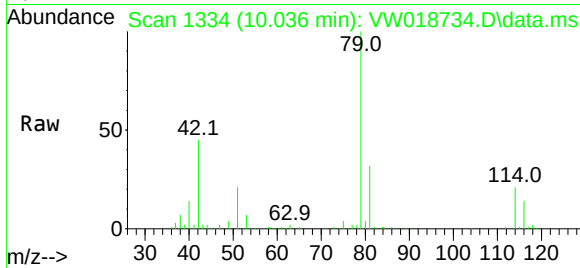




#39
 cis-1,3-Dichloropropene
 Concen: 0.48 ug/L
 RT: 10.036 min Scan# 1334
 Delta R.T. -0.037 min
 Lab File: VW018734.D
 Acq: 22 Apr 2021 14:18

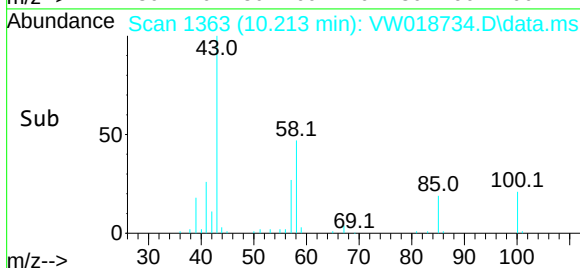
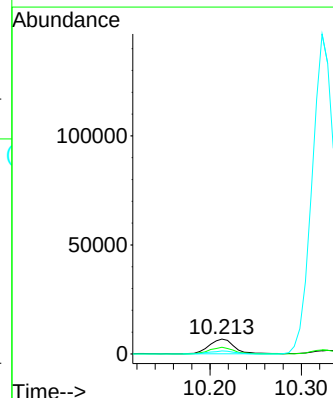
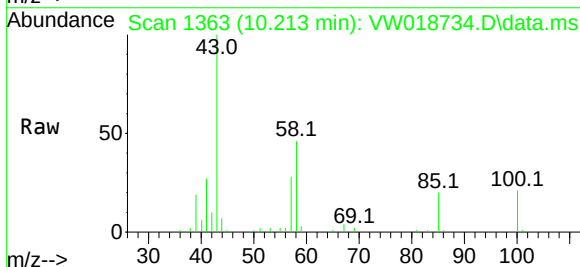
Instrument :
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 ClientSampleId :

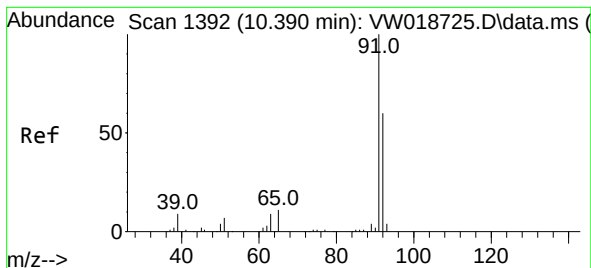
Tgt Ion: 75 Resp: 4816
 Ion Ratio Lower Upper
 75 100
 77 47.9 22.6 42.0#



#40
 4-Methyl-2-pentanone
 Concen: 3.06 ug/L
 RT: 10.213 min Scan# 1363
 Delta R.T. 0.006 min
 Lab File: VW018734.D
 Acq: 22 Apr 2021 14:18

Tgt Ion: 43 Resp: 12711
 Ion Ratio Lower Upper
 43 100
 58 44.0 31.0 46.4
 100 20.2 13.0 19.6#





#42

Toluene

Concen: 3.21 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

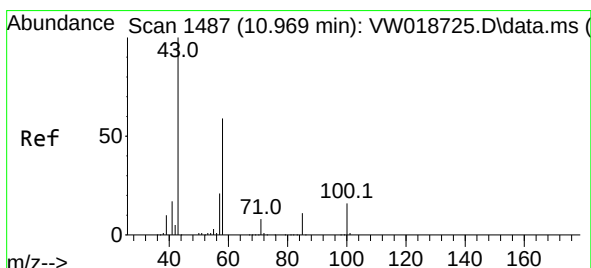
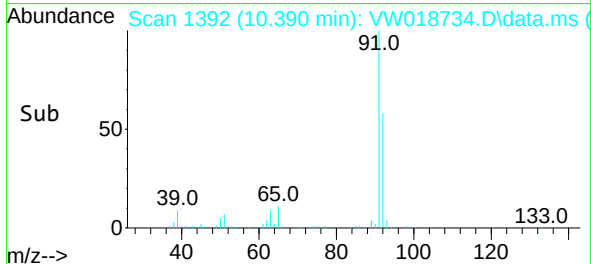
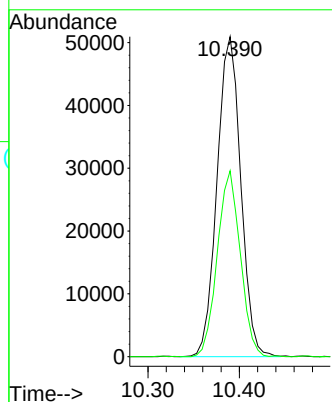
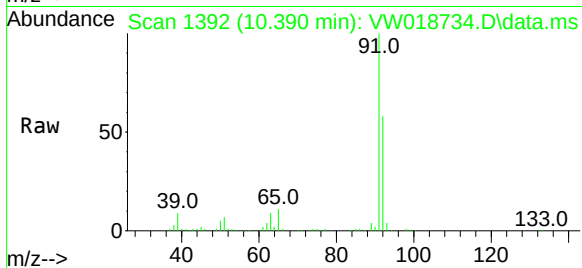
Lab File: VW018734.D

Acq: 22 Apr 2021 14:18

Tgt Ion: 91 Resp: 91982

Ion	Ratio	Lower	Upper
91	100		
92	58.1	39.5	73.3

Instrument :
MSVOA_W
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#48

2-Hexanone

Concen: 39.64 ug/L

RT: 10.938 min Scan# 1482

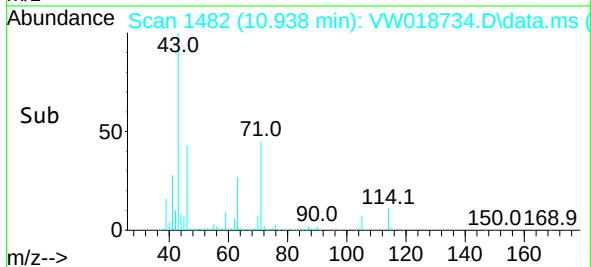
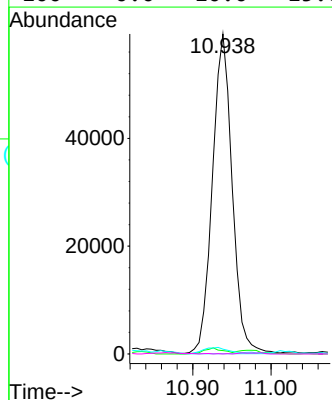
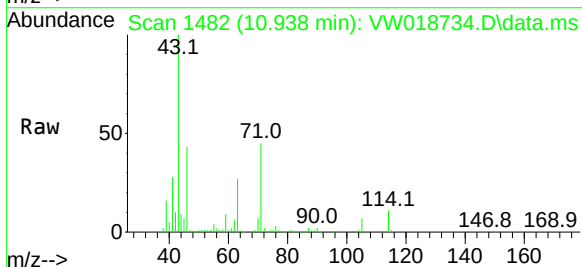
Delta R.T. -0.031 min

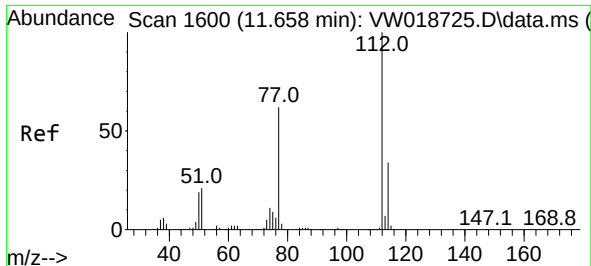
Lab File: VW018734.D

Acq: 22 Apr 2021 14:18

Tgt Ion: 43 Resp: 104161

Ion	Ratio	Lower	Upper
43	100		
58	1.8	42.7	64.1#
57	2.6	15.8	23.8#
100	0.0	10.0	15.0#

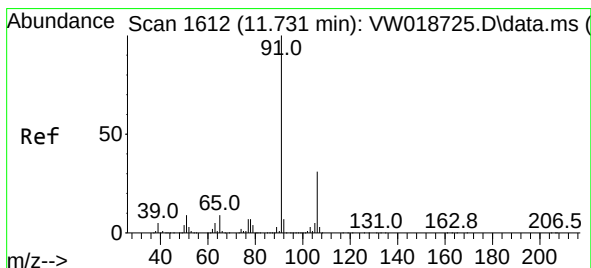
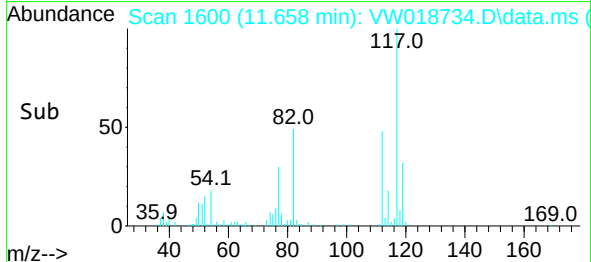
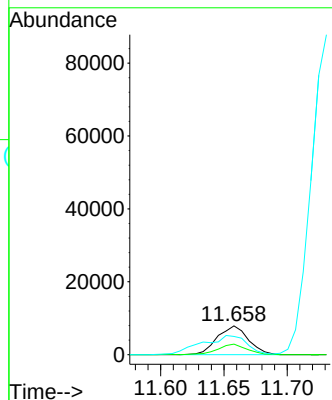
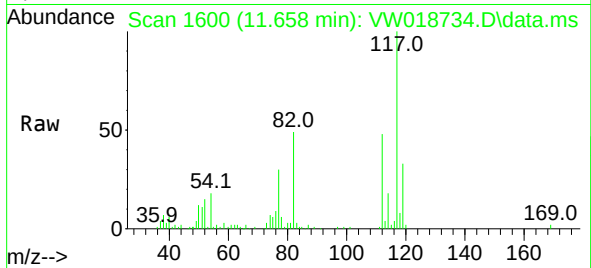




#51
Chlorobenzene
Concen: 0.76 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

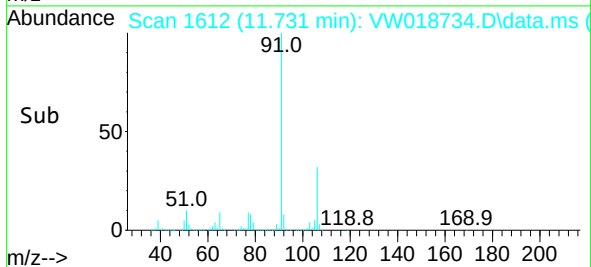
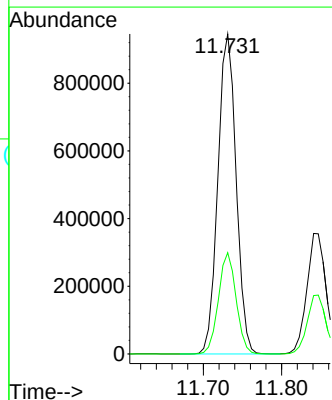
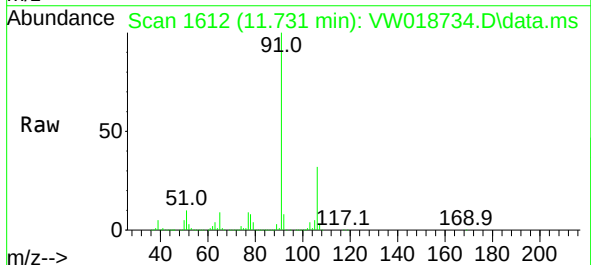
Instrument :
MSVOA_W
ClientSampleId :

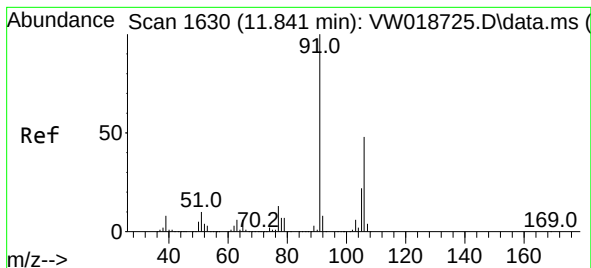
Tgt Ion:112 Resp: 13487
Ion Ratio Lower Upper
112 100
114 36.8 23.4 43.6
77 63.4 47.6 71.4



#52
Ethylbenzene
Concen: 48.39 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

Tgt Ion: 91 Resp: 1533465
Ion Ratio Lower Upper
91 100
106 31.6 22.5 41.7

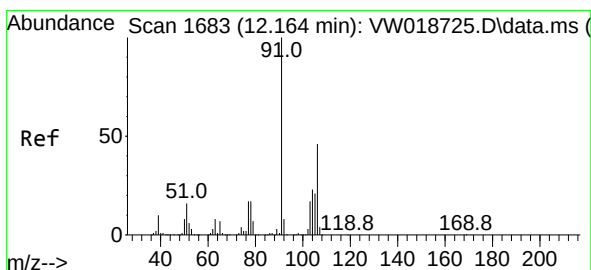
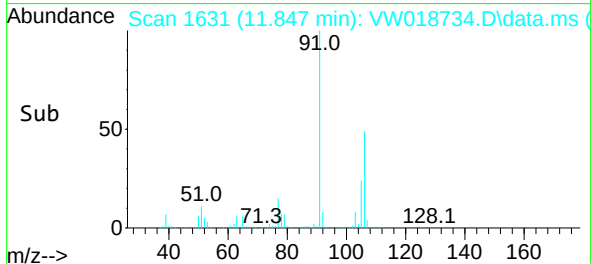
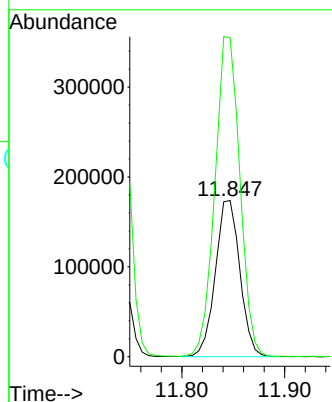
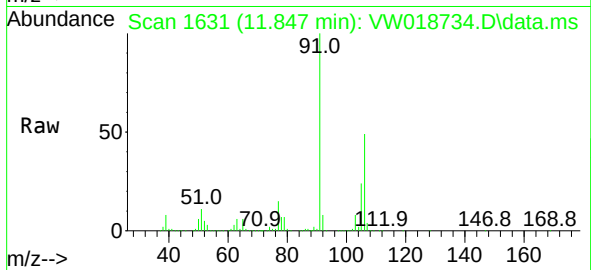




#53
m,p-Xylene
Concen: 24.75 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

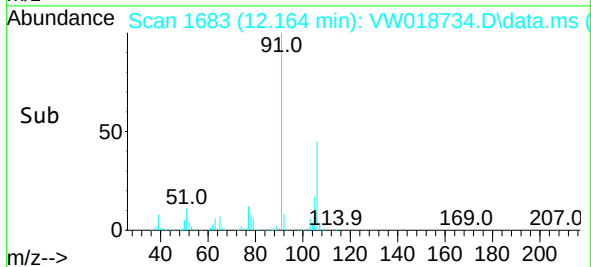
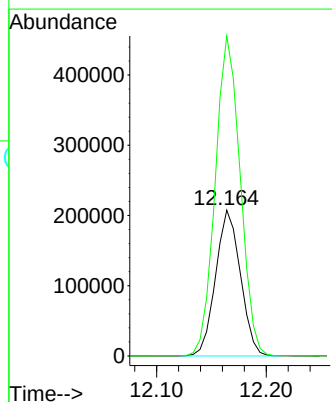
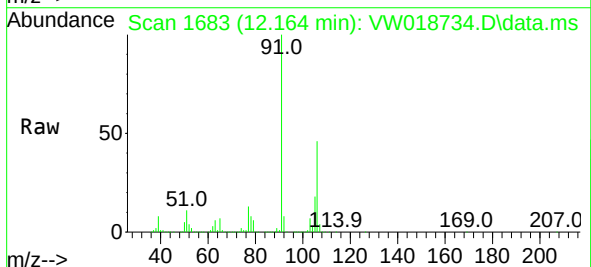
Instrument :
MSVOA_W
ClientSampled :

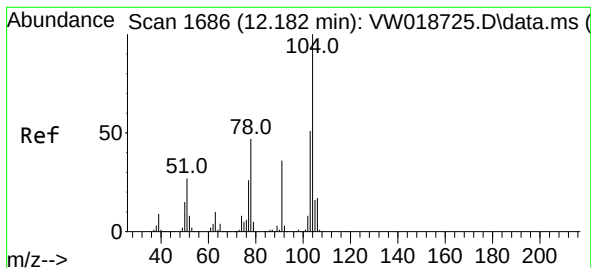
Tgt Ion:106 Resp: 287778
Ion Ratio Lower Upper
106 100
91 204.3 141.3 262.3



#54
o-Xylene
Concen: 29.28 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

Tgt Ion:106 Resp: 326793
Ion Ratio Lower Upper
106 100
91 219.5 150.0 278.6





#55

Styrene

Concen: 1.12 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. -0.018 min

Lab File: VW018734.D

Acq: 22 Apr 2021 14:18

Tgt Ion:104 Resp: 21612

Ion Ratio Lower Upper

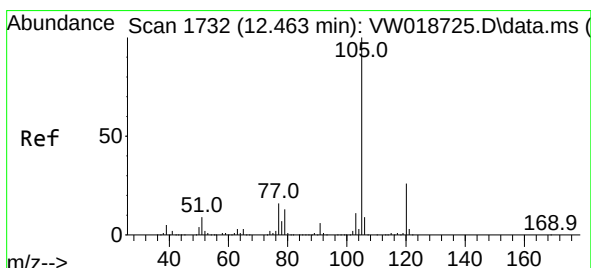
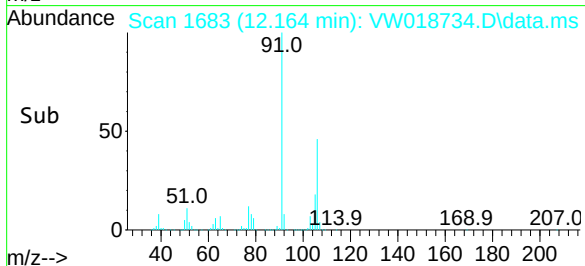
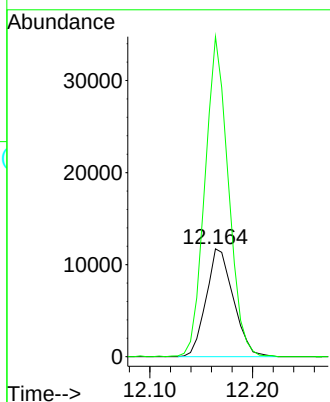
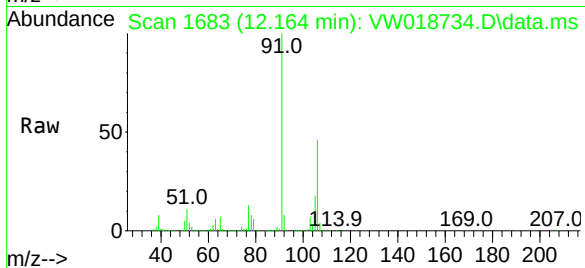
104 100

78 296.8 32.5 60.3#

Instrument :

MSVOA_W

ClientSampled :



#60

Isopropylbenzene

Concen: 8.69 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VW018734.D

Acq: 22 Apr 2021 14:18

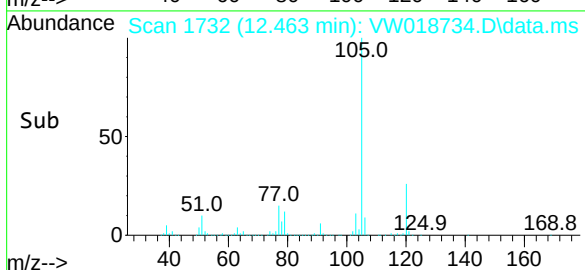
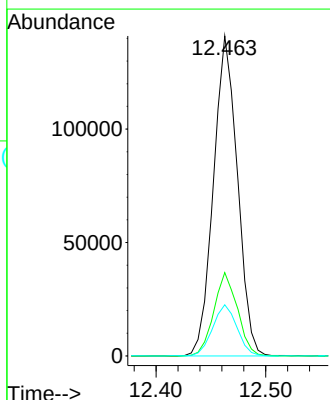
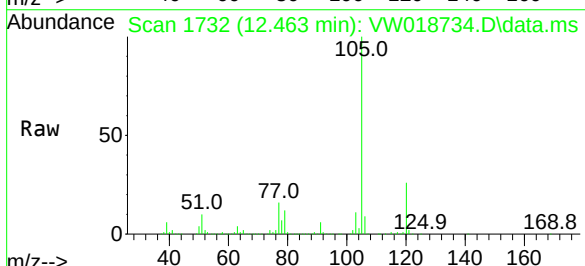
Tgt Ion:105 Resp: 214498

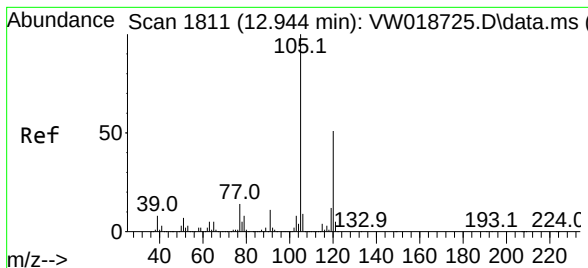
Ion Ratio Lower Upper

105 100

120 25.7 21.1 31.7

77 16.2 13.2 19.8

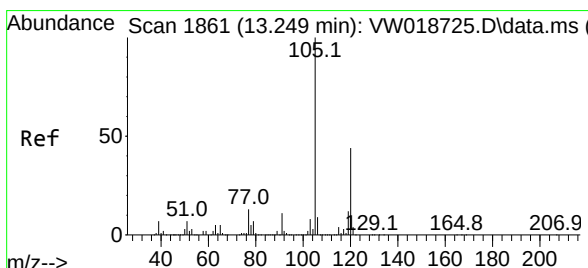
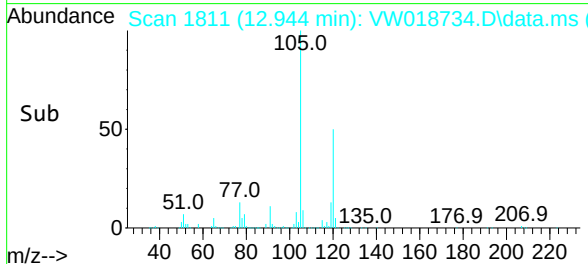
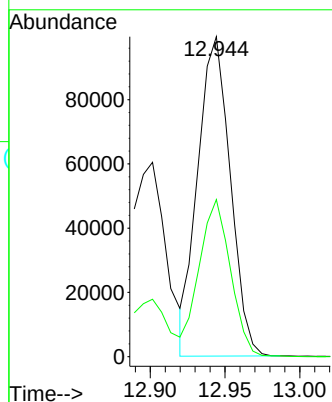
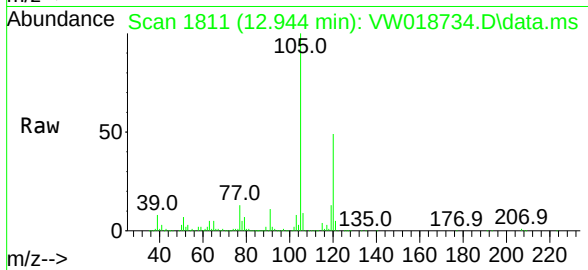




#62
1,3,5-Trimethylbenzene
Concen: 7.34 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

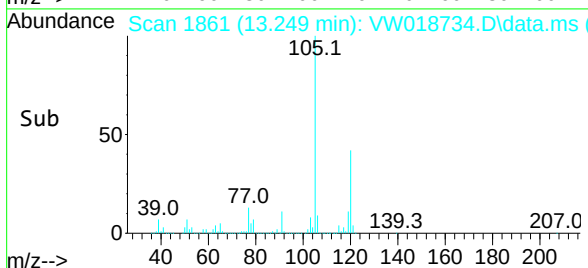
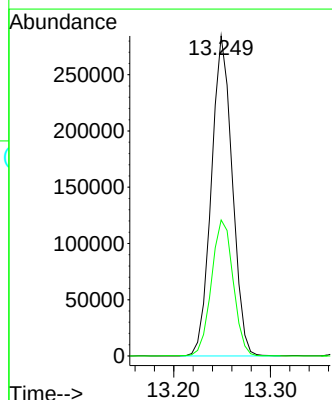
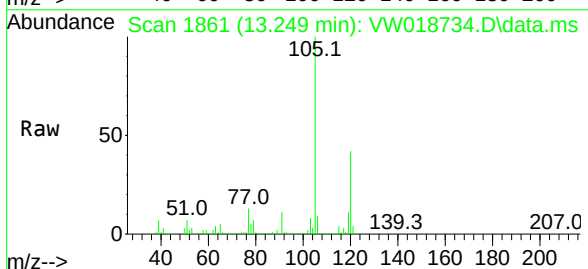
Instrument :
MSVOA_W
ClientSampled :

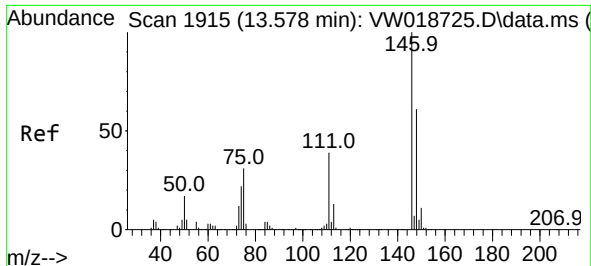
Tgt Ion:105 Resp: 150122
Ion Ratio Lower Upper
105 100
120 47.5 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 20.94 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

Tgt Ion:105 Resp: 427437
Ion Ratio Lower Upper
105 100
120 44.0 35.6 53.4

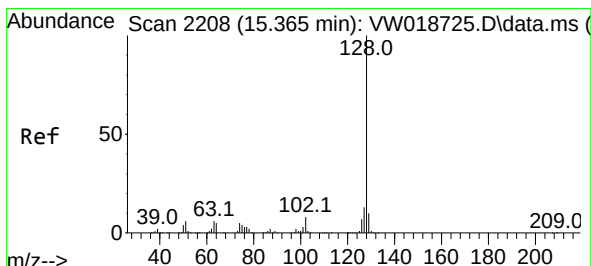
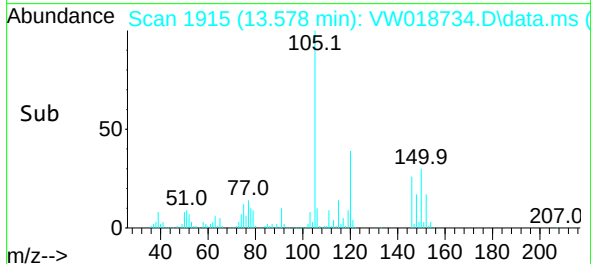
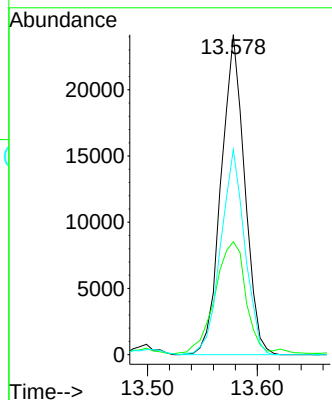
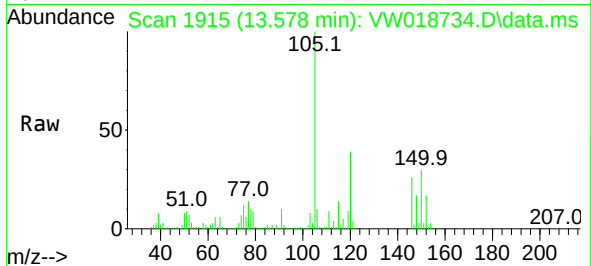




#65
1,4-Dichlorobenzene
Concen: 3.40 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:146 Resp: 35996
Ion Ratio Lower Upper
146 100
111 35.3 28.8 53.4
148 64.1 46.8 87.0



#71
Naphthalene
Concen: 12.62 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW018734.D
Acq: 22 Apr 2021 14:18

Tgt Ion:128 Resp: 161685
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.3 9.0 13.6

