

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
 Data File : VW018846.D
 Acq On : 29 Apr 2021 15:30
 Operator : SY/VA
 Sample : M2177-15RE
 Misc : 3.67G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 30 02:11:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 30 02:09:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	462294	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	261300	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	70410	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	188092	31.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	126.84%
7) Chloroethane-d5	2.891	69	147403	32.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	128.32%
11) 1,1-Dichloroethene-d2	4.019	63	232249	19.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.88%
21) 2-Butanone-d5	7.080	46	90092	58.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.64%
24) Chloroform-d	7.653	84	325765	26.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	8.305	65	192372	28.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.52%
32) Benzene-d6	8.275	84	627195	42.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	169.92%#
36) 1,2-Dichloropropane-d6	9.274	67	187516	42.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	171.24%#
41) Toluene-d8	10.323	98	435554	31.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	126.52%
43) trans-1,3-Dichloroprop...	10.579	79	59447	29.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	119.48%
47) 2-Hexanone-d5	10.927	63	75565	96.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	192.72%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	108817	29.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.28%
66) 1,2-Dichlorobenzene-d4	13.853	152	57774	23.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.80%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	22444	18.96	ug/L	80
14) Carbon disulfide	4.379	76	28491	1.61	ug/L	97
16) Methylene chloride	4.915	84	31212	4.08	ug/L	88
18) Methyl tert-butyl Ether	5.421	73	29132	3.29	ug/L #	84
22) 2-Butanone	7.183	43	8130	4.95	ug/L	73
29) Cyclohexane	7.945	56	2012	0.32	ug/L #	78
33) Benzene	8.323	78	23351	1.49	ug/L	100
35) Methylcyclohexane	9.335	83	27023	3.68	ug/L #	83
39) cis-1,3-Dichloropropene	10.036	75	4795	0.80	ug/L #	72
42) Toluene	10.390	91	9104	0.53	ug/L	97
51) Chlorobenzene	11.658	112	7863	0.75	ug/L #	82
52) Ethylbenzene	11.731	91	40239	2.11	ug/L	99
53) m,p-Xylene	11.847	106	31797	4.48	ug/L	98
54) o-Xylene	12.164	106	65192	9.64	ug/L	98
55) Styrene	12.164	104	4505	0.40	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.695	83	15795	4.36	ug/L #	1
60) Isopropylbenzene	12.463	105	106302	10.58	ug/L	98
62) 1,3,5-Trimethylbenzene	12.944	105	140944	16.80	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	363849	43.35	ug/L	100

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 Quant Title : SFAM01.0
 QLast Update : Fri Apr 30 02:09:50 2021
 Response via : Initial Calibration

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

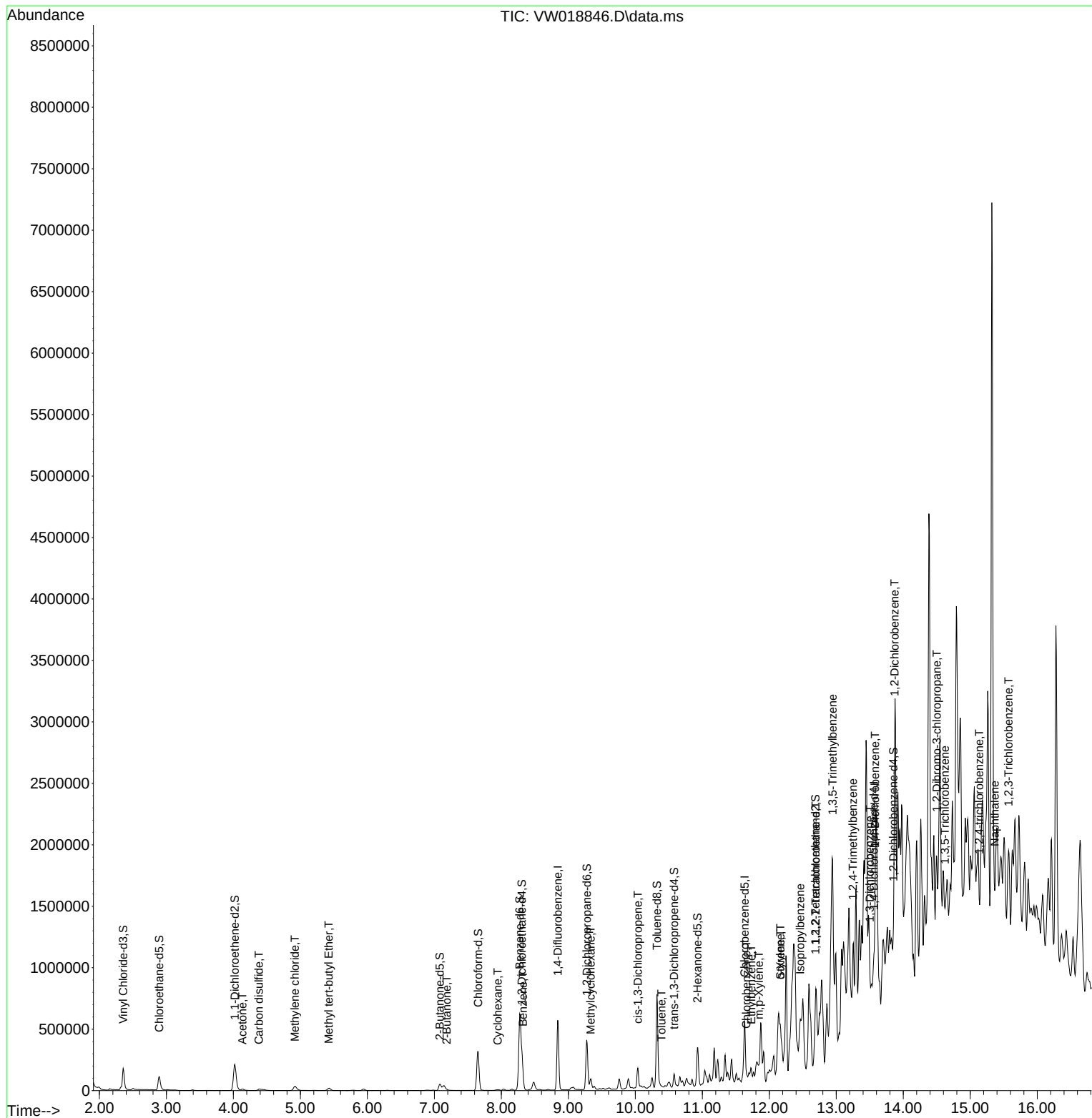
64) 1,3-Dichlorobenzene	13.499	146	6015	1.42	ug/L #	1
65) 1,4-Dichlorobenzene	13.579	146	15544	3.63	ug/L #	1
67) 1,2-Dichlorobenzene	13.871	146	7965	2.08	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.499	75	1134	3.57	ug/L #	55
69) 1,3,5-Trichlorobenzene	14.621	180	3081	1.01	ug/L #	79
70) 1,2,4-trichlorobenzene	15.133	180	1526	0.60	ug/L #	1
71) Naphthalene	15.365	128	188767	35.24	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.572	180	7042	3.14	ug/L #	1

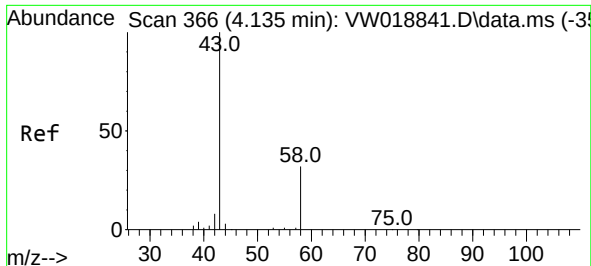
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Fri Apr 30 02:09:50 2021
Response via : Initial Calibration

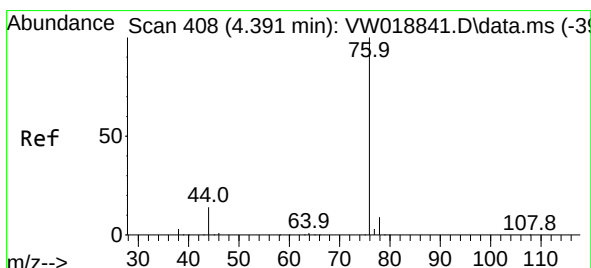
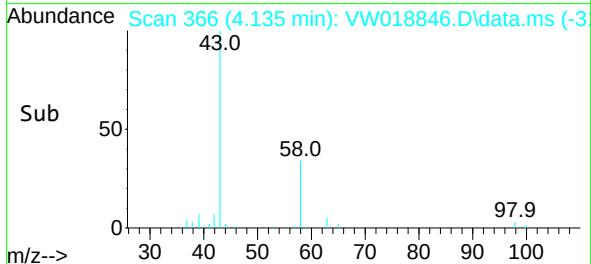
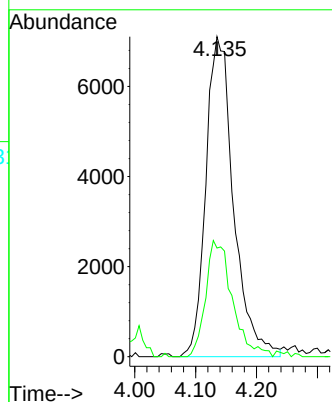
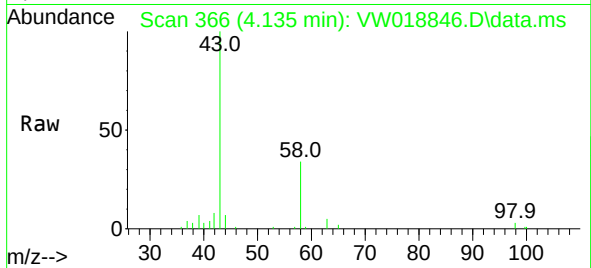




#13
Acetone
Concen: 18.96 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

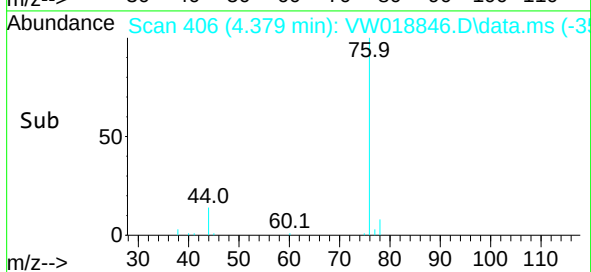
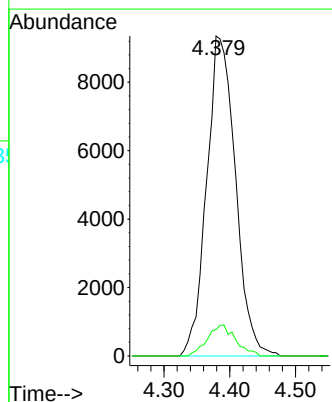
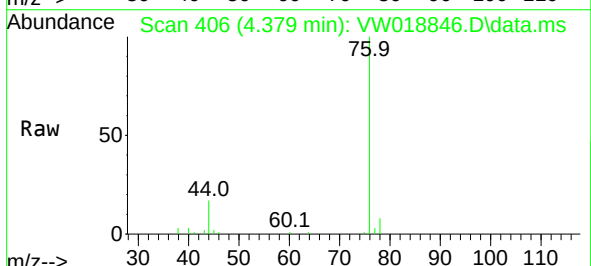
Instrument :
MSVOA_W
ClientSampled :

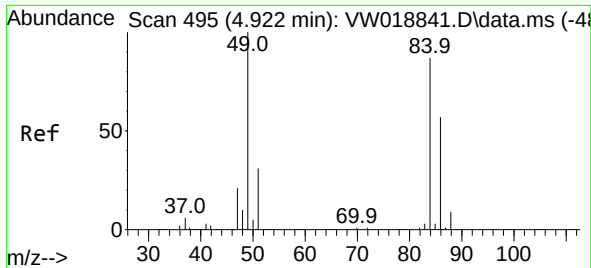
Tgt Ion: 43 Resp: 22444
Ion Ratio Lower Upper
43 100
58 16.5 0.0 53.8



#14
Carbon disulfide
Concen: 1.61 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.012 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

Tgt Ion: 76 Resp: 28491
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.0

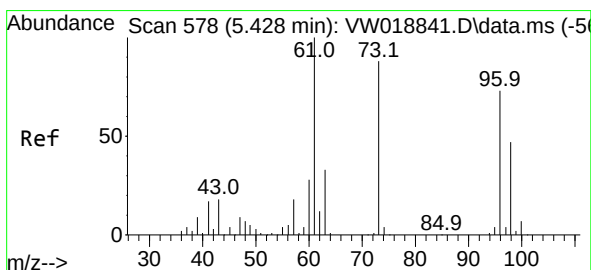
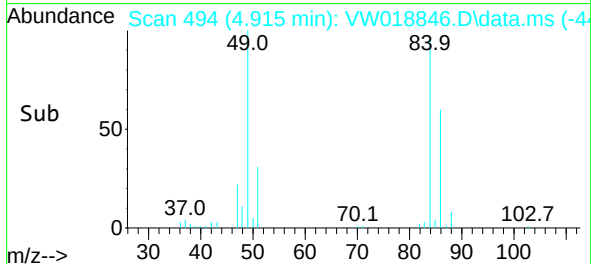
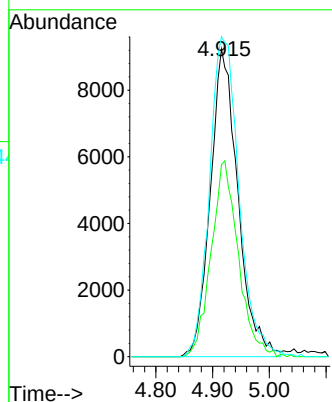
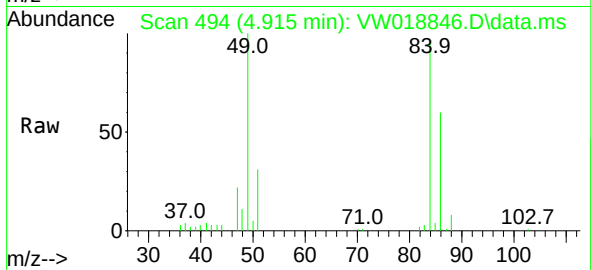




#16
Methylene chloride
Concen: 4.08 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

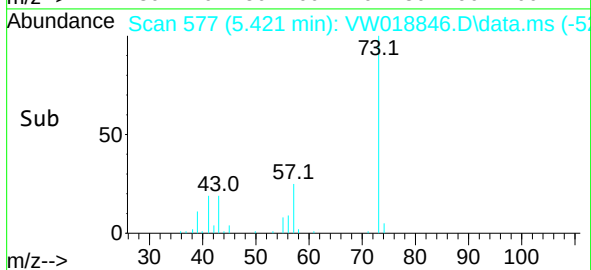
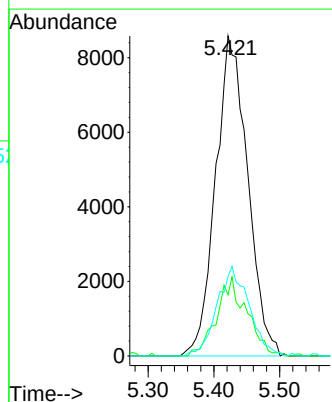
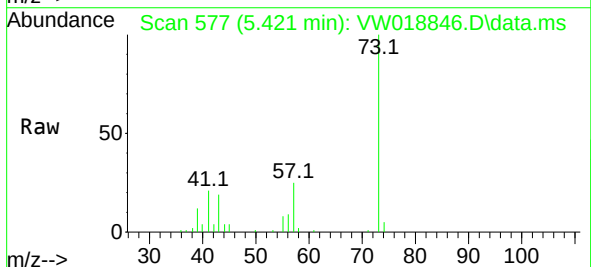
Instrument :
MSVOA_W
ClientSampled :

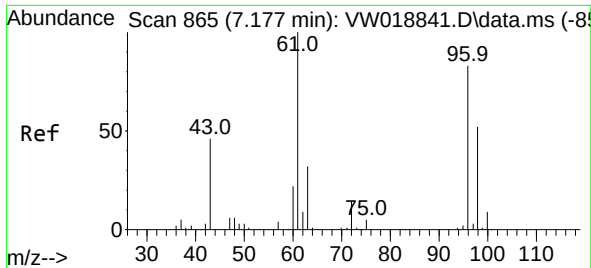
Tgt Ion: 84 Resp: 31212
Ion Ratio Lower Upper
84 100
86 62.4 45.3 84.1
49 104.0 86.6 160.8



#18
Methyl tert-butyl Ether
Concen: 3.29 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

Tgt Ion: 73 Resp: 29132
Ion Ratio Lower Upper
73 100
43 13.6 17.7 26.5#
57 27.9 17.0 25.4#

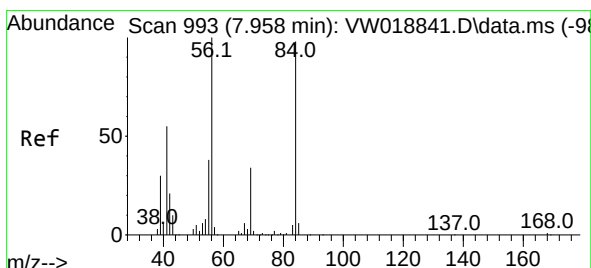
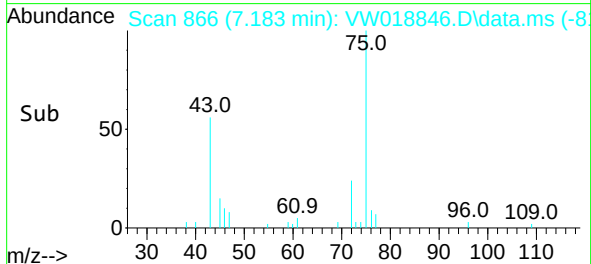
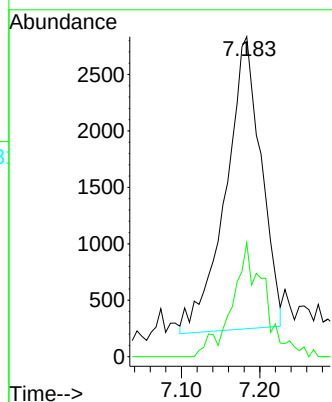
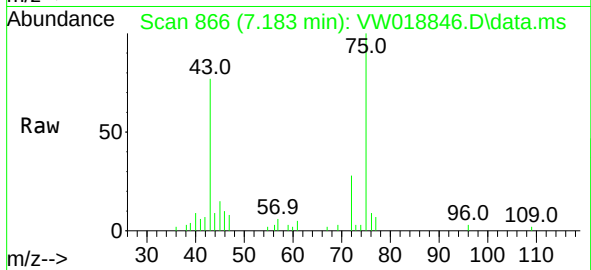




#22
2-Butanone
Concen: 4.95 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

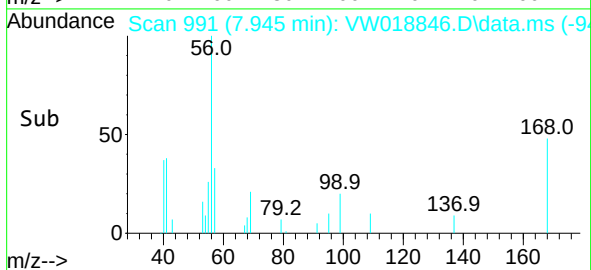
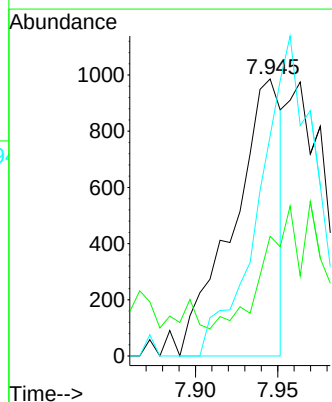
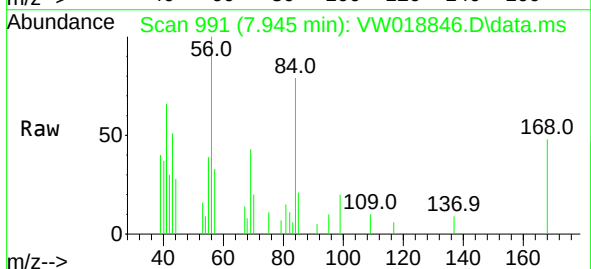
Instrument :
MSVOA_W
ClientSampled :

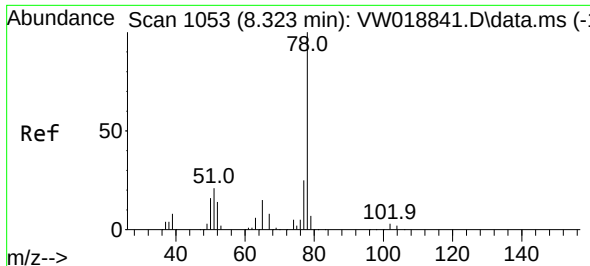
Tgt Ion: 43 Resp: 8130
Ion Ratio Lower Upper
43 100
72 15.3 14.9 44.7



#29
Cyclohexane
Concen: 0.32 ug/L
RT: 7.945 min Scan# 991
Delta R.T. -0.012 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

Tgt Ion: 56 Resp: 2012
Ion Ratio Lower Upper
56 100
69 29.8 24.5 36.7
84 121.9 75.0 112.4#

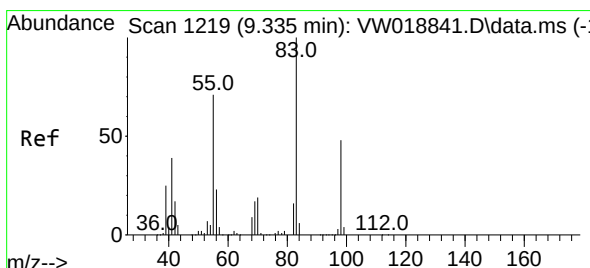
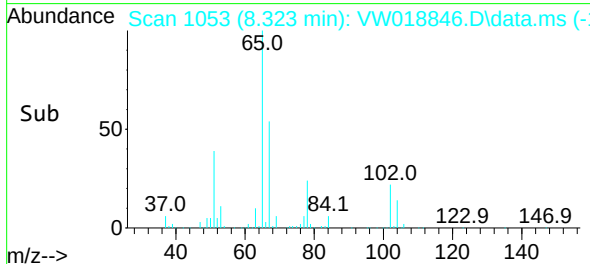
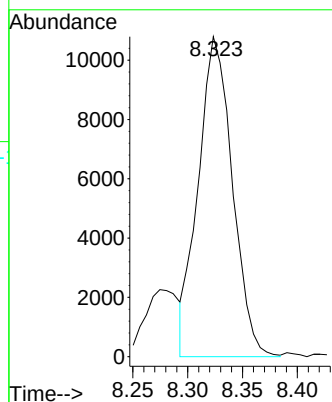
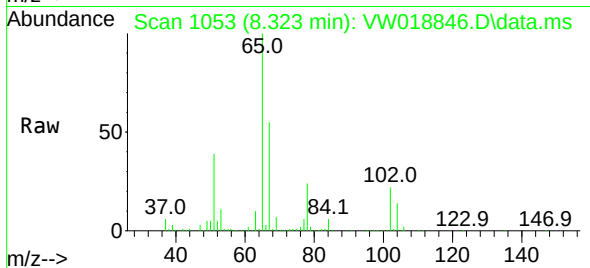




#33
Benzene
Concen: 1.49 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

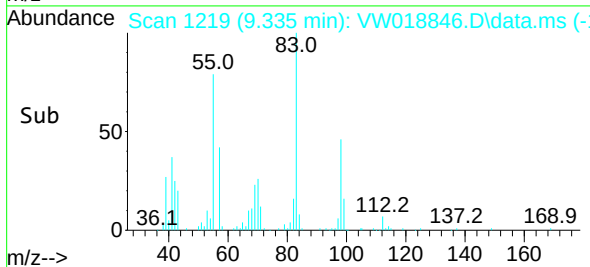
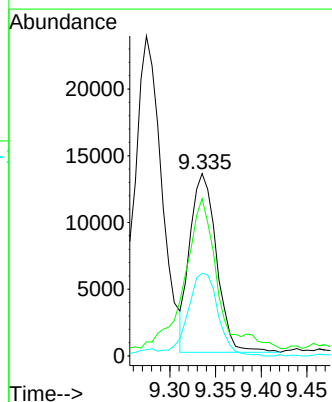
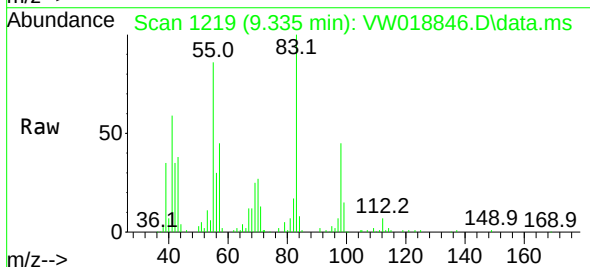
Instrument :
MSVOA_W
ClientSampled :

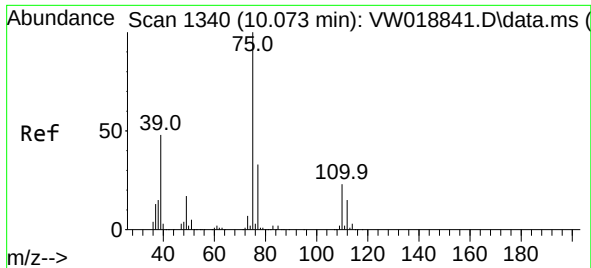
Tgt Ion: 78 Resp: 23351



#35
Methylcyclohexane
Concen: 3.68 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

Tgt Ion: 83 Resp: 27023
Ion Ratio Lower Upper
83 100
55 95.4 58.9 88.3#
98 53.0 40.1 60.1

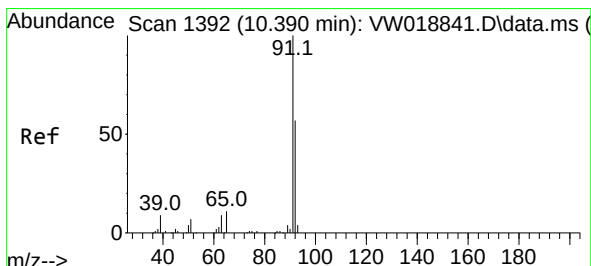
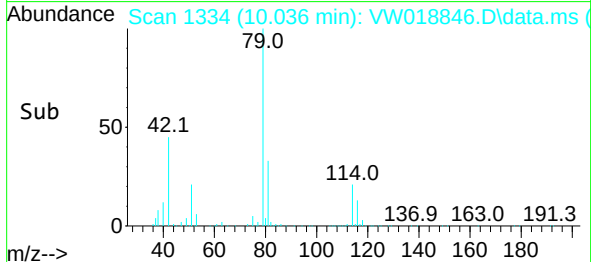
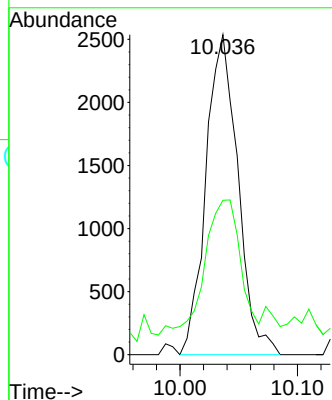
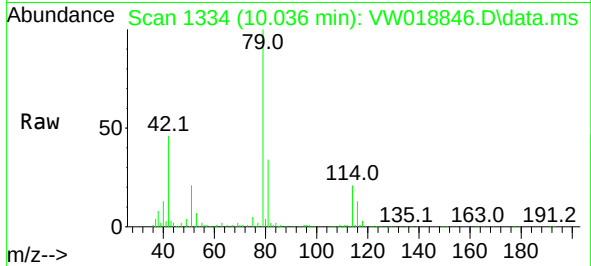




#39
cis-1,3-Dichloropropene
Concen: 0.80 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

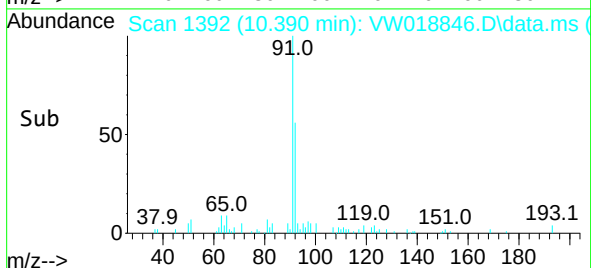
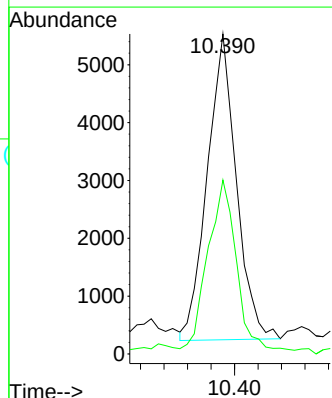
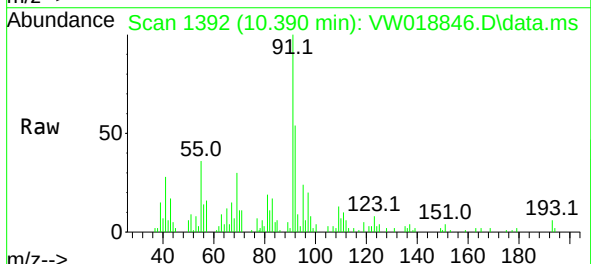
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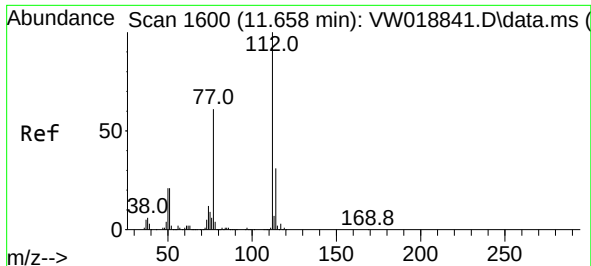
Tgt Ion: 75 Resp: 4795
Ion Ratio Lower Upper
75 100
77 48.2 22.6 42.0#



#42
Toluene
Concen: 0.53 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

Tgt Ion: 91 Resp: 9104
Ion Ratio Lower Upper
91 100
92 54.3 39.5 73.3

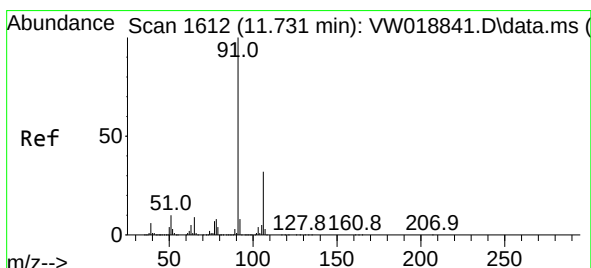
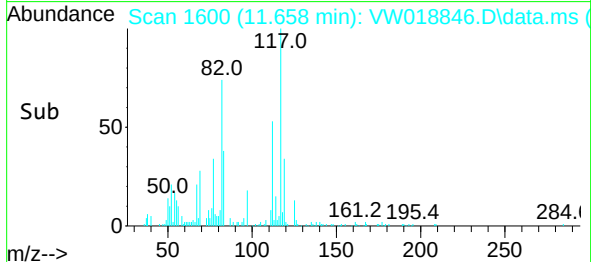
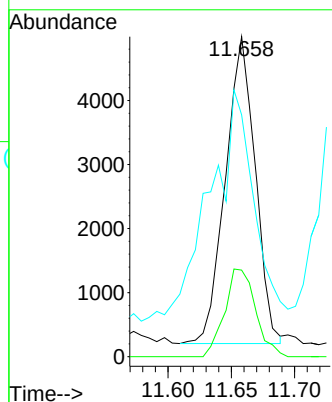
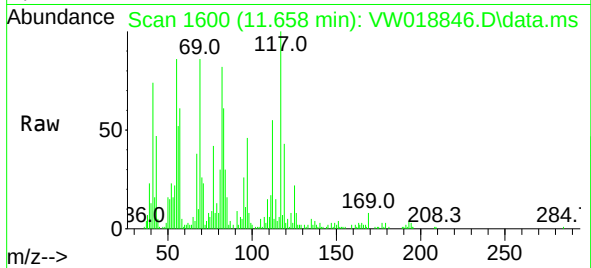




#51
Chlorobenzene
Concen: 0.75 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

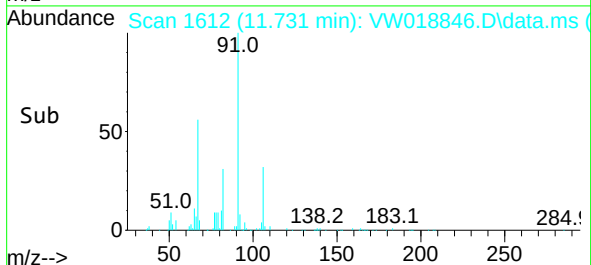
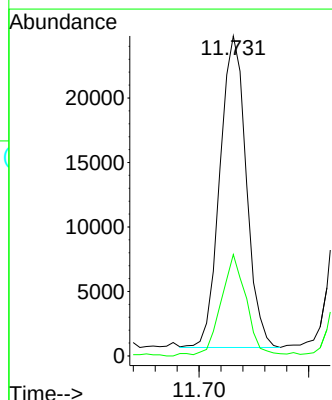
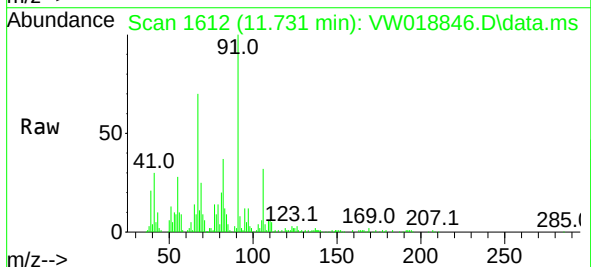
Instrument :
MSVOA_W
ClientSampled :

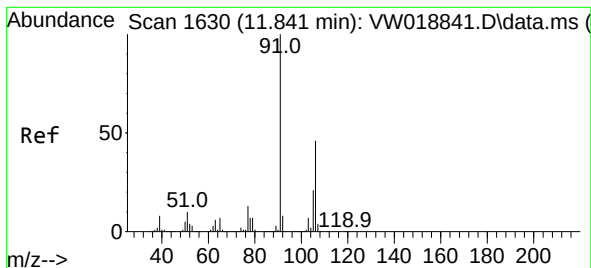
Tgt Ion:112 Resp: 7863
Ion Ratio Lower Upper
112 100
114 27.0 23.4 43.6
77 75.6 47.6 71.4#



#52
Ethylbenzene
Concen: 2.11 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

Tgt Ion: 91 Resp: 40239
Ion Ratio Lower Upper
91 100
106 31.7 22.5 41.7

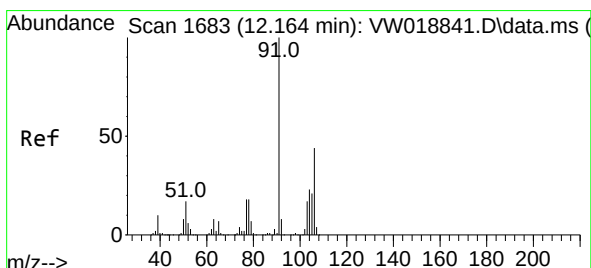
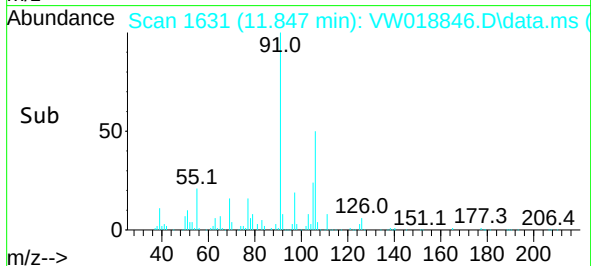
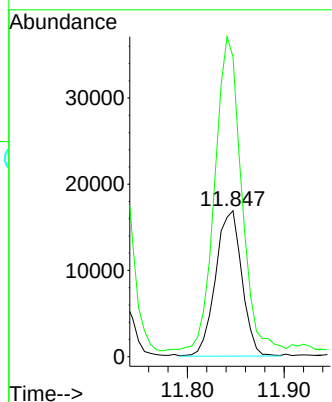
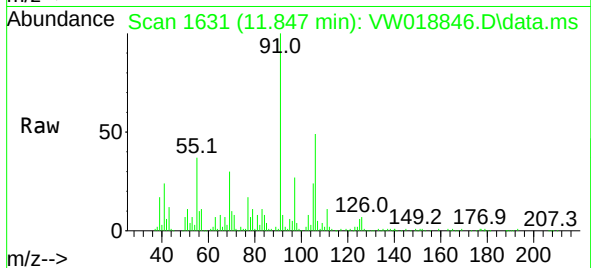




#53
m,p-Xylene
Concen: 4.48 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

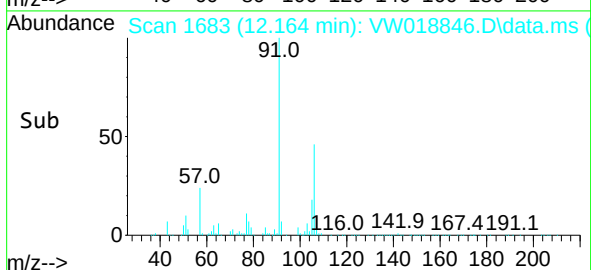
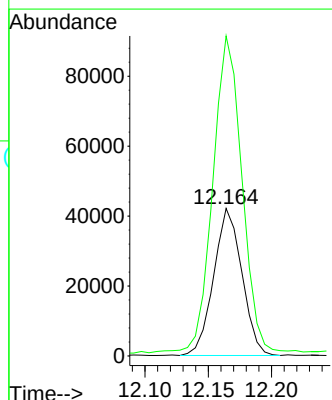
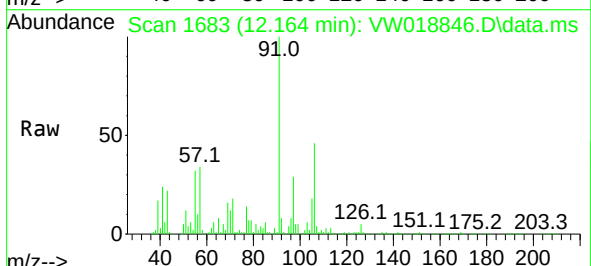
Instrument :
MSVOA_W
ClientSampled :

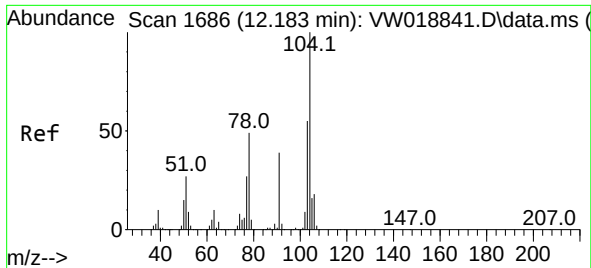
Tgt Ion:106 Resp: 31797
Ion Ratio Lower Upper
106 100
91 205.6 141.3 262.3



#54
o-Xylene
Concen: 9.64 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

Tgt Ion:106 Resp: 65192
Ion Ratio Lower Upper
106 100
91 217.0 150.0 278.6

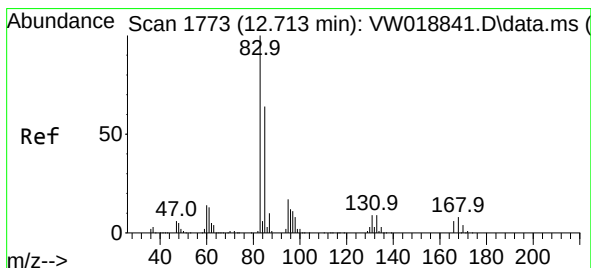
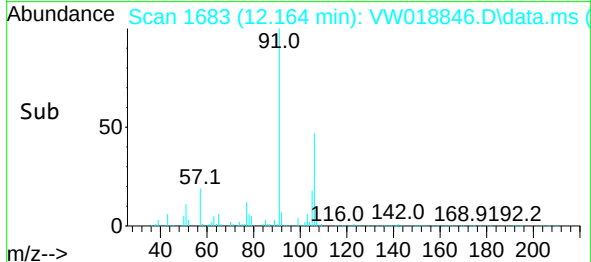
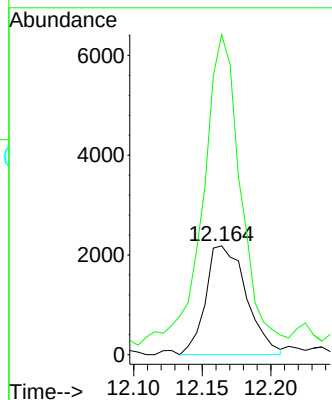
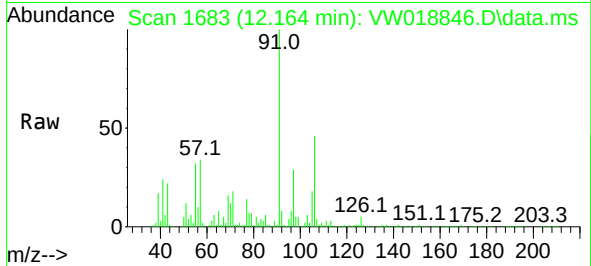




#55
Styrene
Concen: 0.40 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.018 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

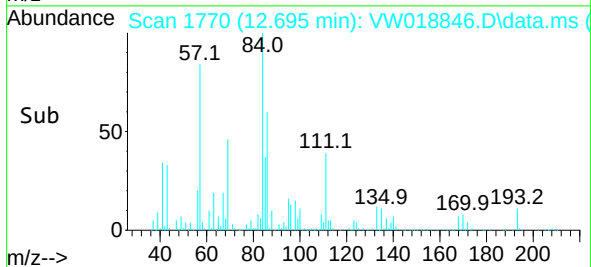
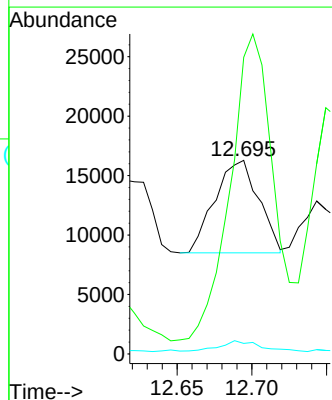
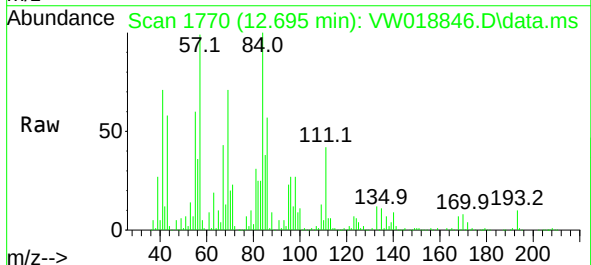
Instrument :
MSVOA_W
ClientSampled :

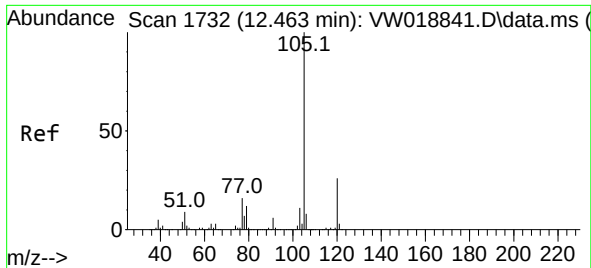
Tgt Ion:104 Resp: 4505
Ion Ratio Lower Upper
104 100
78 294.1 32.5 60.3#



#57
1,1,2,2-Tetrachloroethane
Concen: 4.36 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

Tgt Ion: 83 Resp: 15795
Ion Ratio Lower Upper
83 100
85 153.3 44.4 82.4#
131 5.5 8.2 12.4#

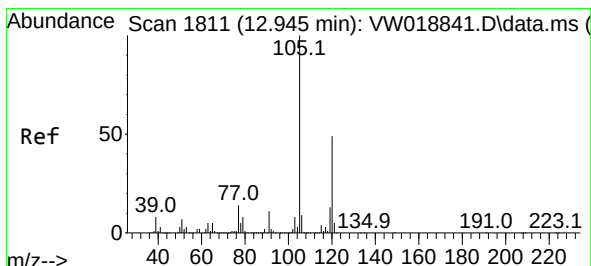
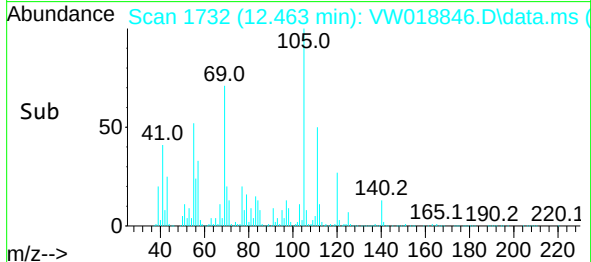
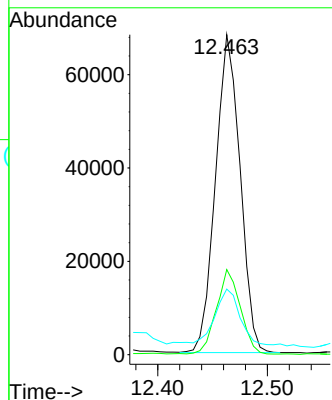
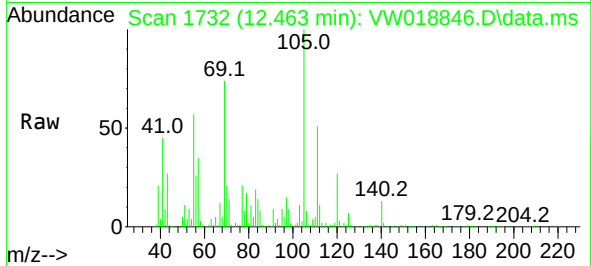




#60
Isopropylbenzene
Concen: 10.58 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

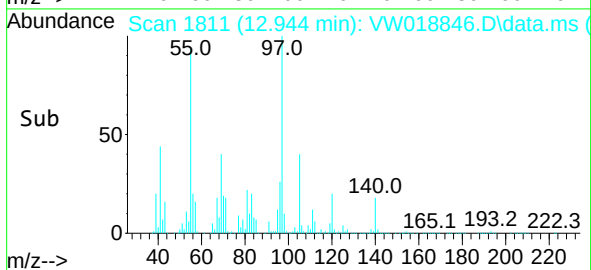
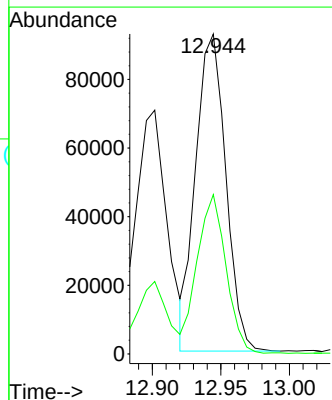
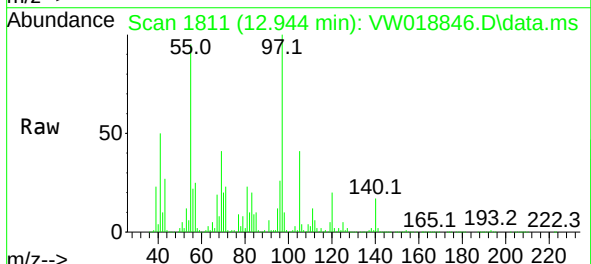
Instrument :
MSVOA_W
ClientSampled :

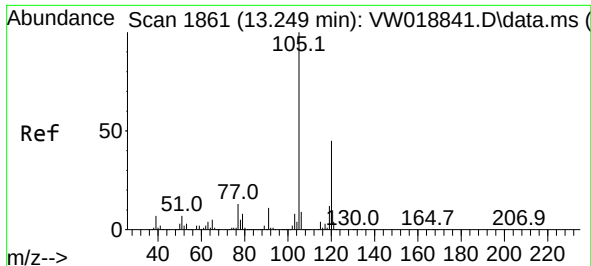
Tgt Ion:105 Resp: 106302
Ion Ratio Lower Upper
105 100
120 25.6 21.1 31.7
77 17.4 13.2 19.8



#62
1,3,5-Trimethylbenzene
Concen: 16.80 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

Tgt Ion:105 Resp: 140944
Ion Ratio Lower Upper
105 100
120 48.2 39.0 58.6

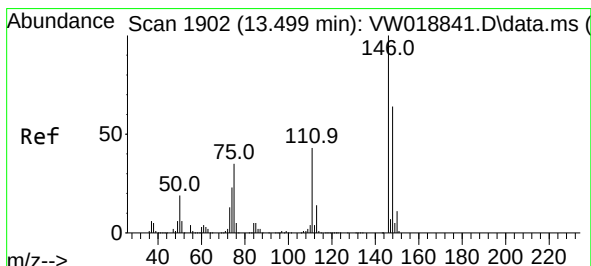
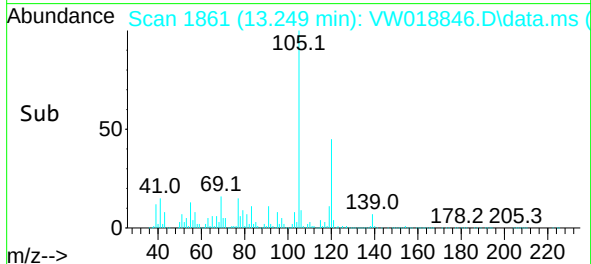
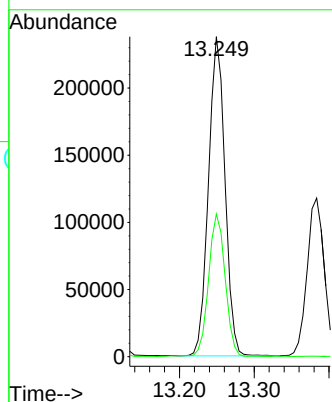
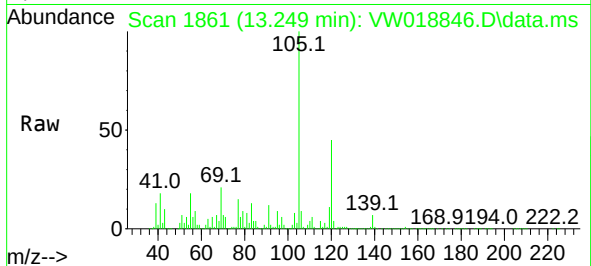




#63
1,2,4-Trimethylbenzene
Concen: 43.35 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

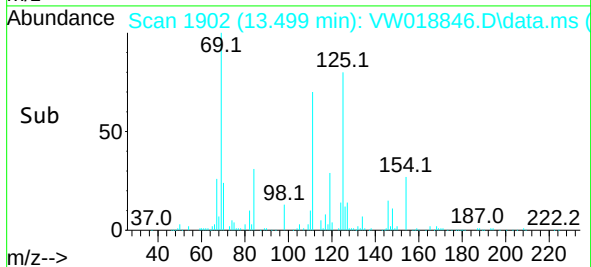
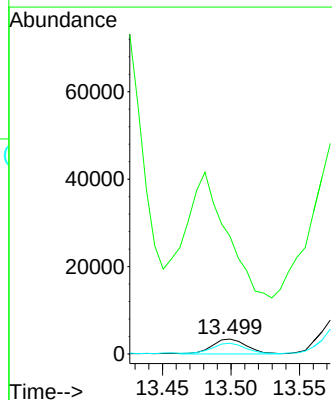
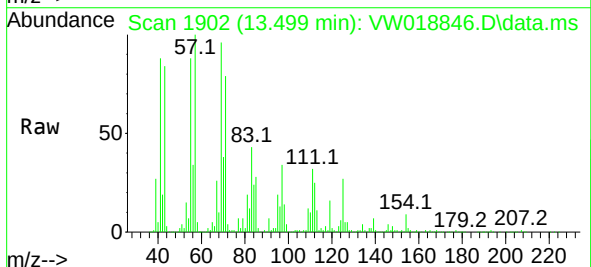
Instrument :
MSVOA_W
ClientSampled :

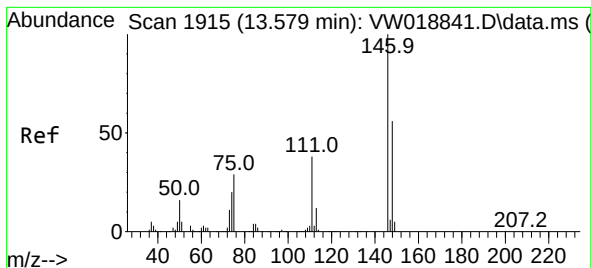
Tgt Ion:105 Resp: 363849
Ion Ratio Lower Upper
105 100
120 44.3 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 1.42 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

Tgt Ion:146 Resp: 6015
Ion Ratio Lower Upper
146 100
111 790.1 26.7 49.7#
148 71.8 41.1 76.3

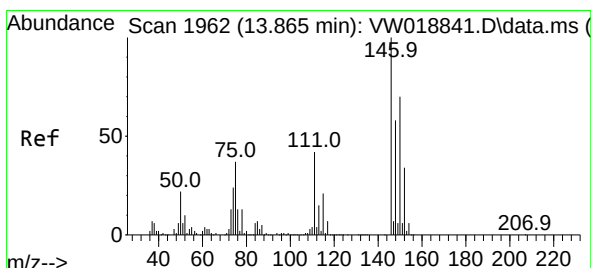
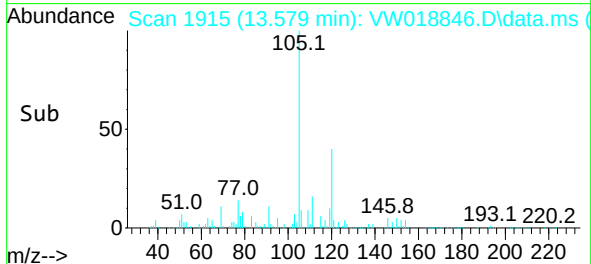
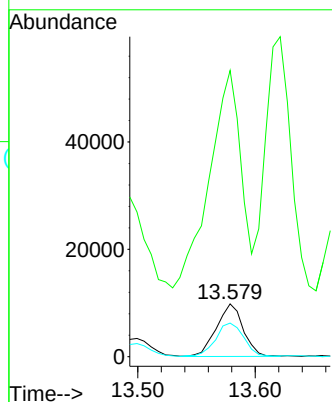
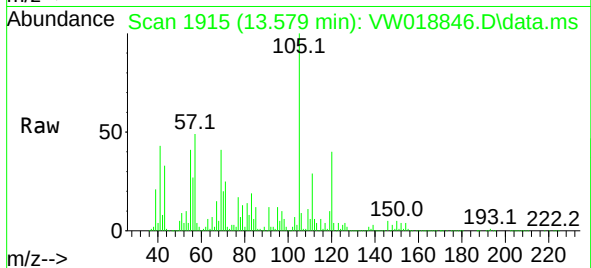




#65
1,4-Dichlorobenzene
Concen: 3.63 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

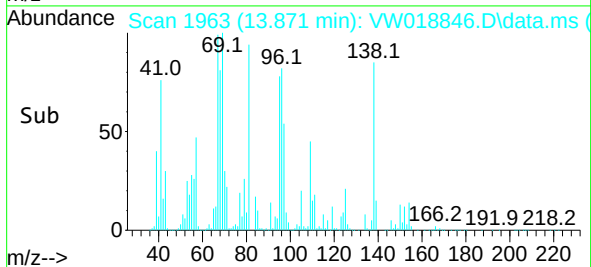
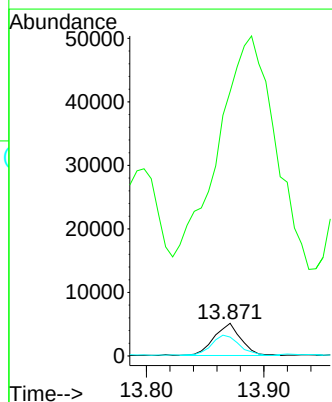
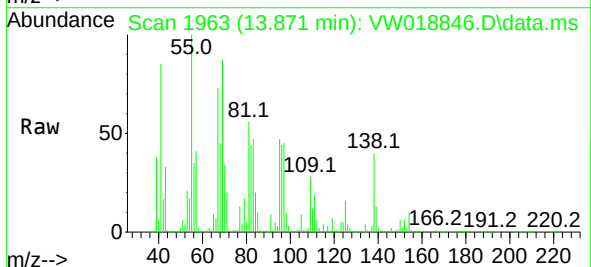
Instrument :
MSVOA_W
ClientSampled :

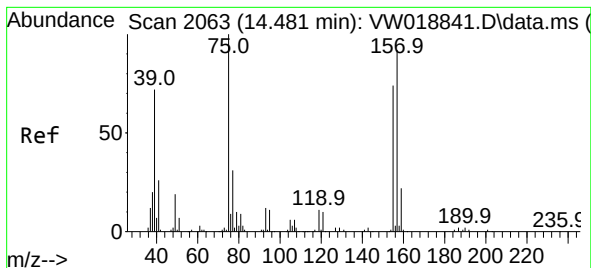
Tgt Ion:146 Resp: 15544
Ion Ratio Lower Upper
146 100
111 542.6 28.8 53.4#
148 63.6 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 2.08 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

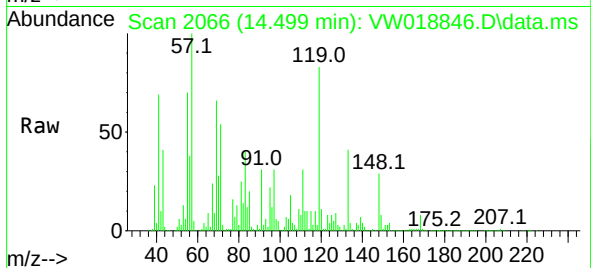
Tgt Ion:146 Resp: 7965
Ion Ratio Lower Upper
146 100
111 811.4 33.2 49.8#
148 58.1 50.4 75.6



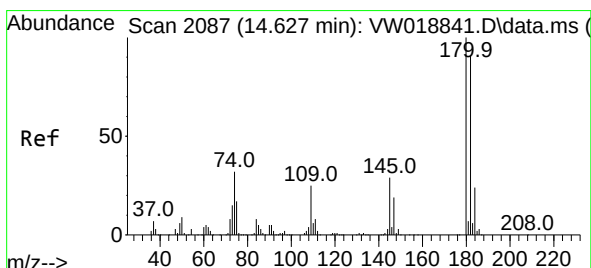
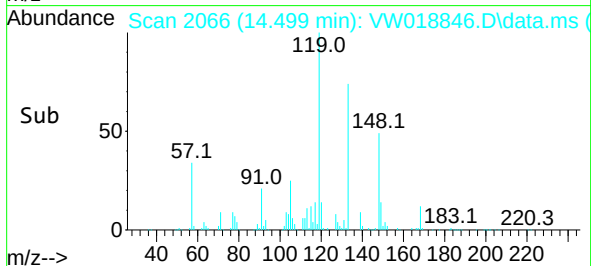


#68
1,2-Dibromo-3-chloropropane
Concen: 3.57 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

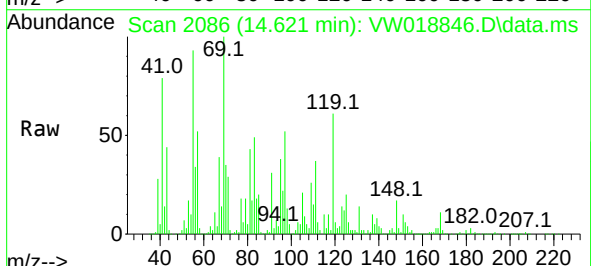
Instrument :
MSVOA_W
ClientSampled :



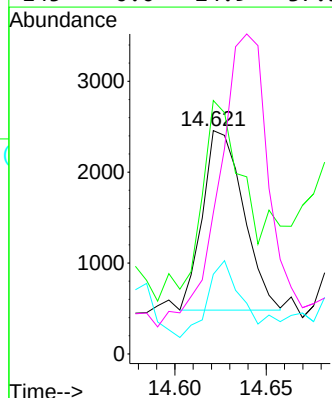
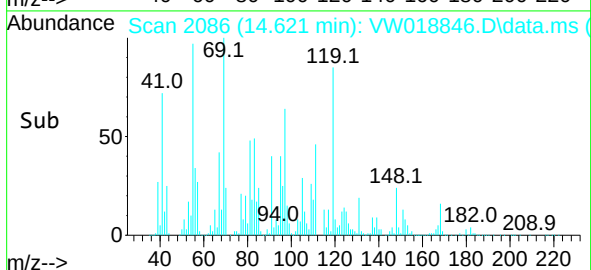
Tgt Ion: 75 Resp: 1134
Ion Ratio Lower Upper
75 100
155 45.1 59.4 89.0#
157 39.0 72.2 108.2#

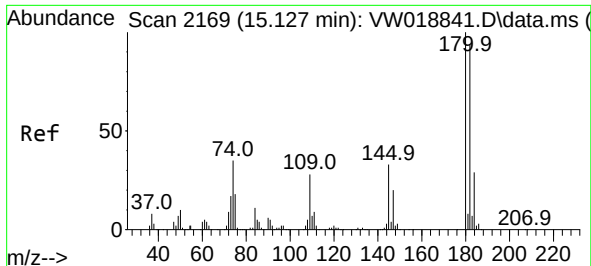


#69
1,3,5-Trichlorobenzene
Concen: 1.01 ug/L
RT: 14.621 min Scan# 2086
Delta R.T. -0.006 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30



Tgt Ion:180 Resp: 3081
Ion Ratio Lower Upper
180 100
182 98.0 73.4 110.2
184 44.1 23.6 35.4#
145 0.0 24.9 37.3#

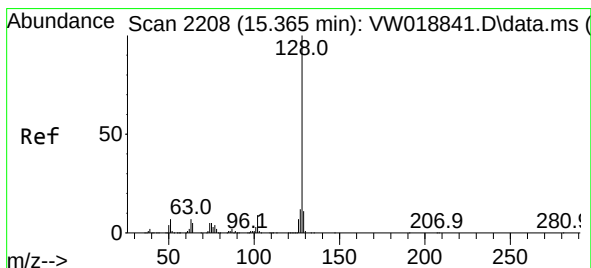
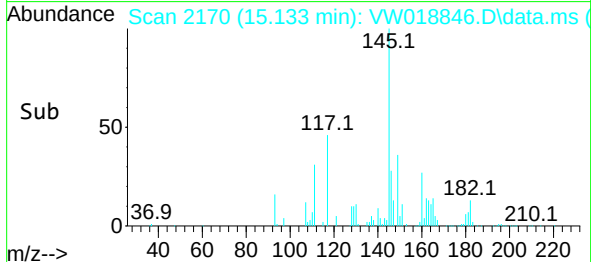
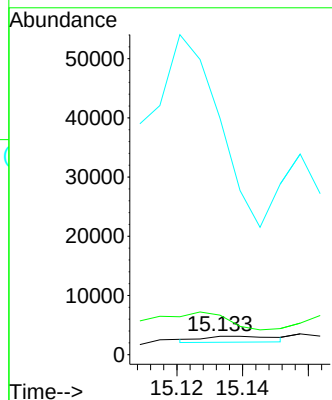
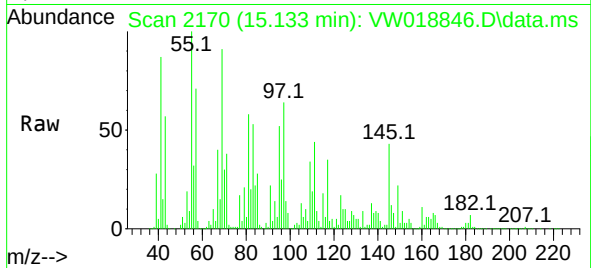




#70
1,2,4-trichlorobenzene
Concen: 0.60 ug/L
RT: 15.133 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

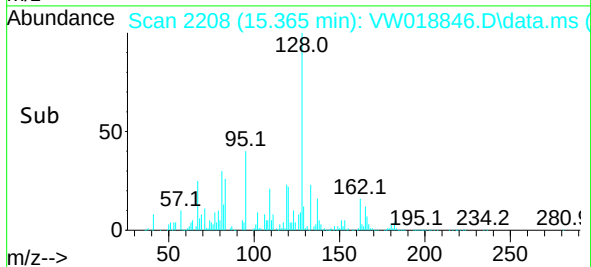
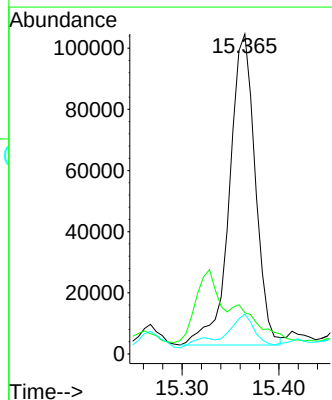
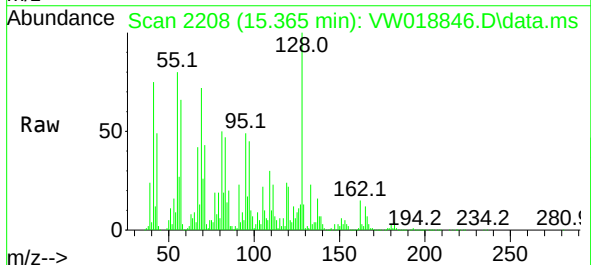
Instrument :
MSVOA_W
ClientSampled :

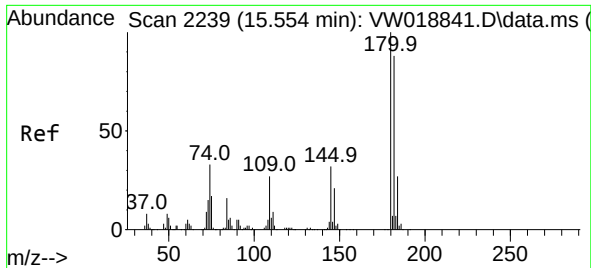
Tgt Ion:180 Resp: 1526
Ion Ratio Lower Upper
180 100
182 802.2 74.7 112.1#
145 7340.2 25.0 37.4#



#71
Naphthalene
Concen: 35.24 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW018846.D
Acq: 29 Apr 2021 15:30

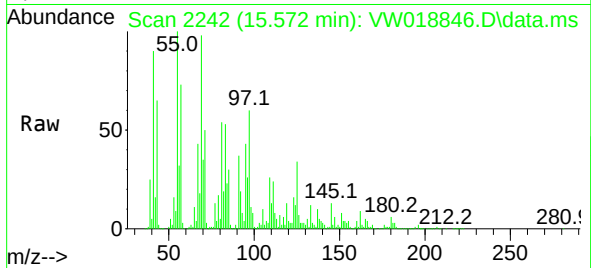
Tgt Ion:128 Resp: 188767
Ion Ratio Lower Upper
128 100
127 14.0 10.6 15.8
129 8.5 9.0 13.6#





#72
 1,2,3-Trichlorobenzene
 Concen: 3.14 ug/L
 RT: 15.572 min Scan# 2242
 Delta R.T. 0.018 min
 Lab File: VW018846.D
 Acq: 29 Apr 2021 15:30

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 7042
 Ion Ratio Lower Upper
 180 100
 182 99.5 76.7 115.1
 145 1071.5 28.9 43.3#

