

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100721\
 Data File : VW020380.D
 Acq On : 07 Oct 2021 23:48
 Operator : SY/VA
 Sample : M4070-07
 Misc : 4.49g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7E0

Quant Time: Oct 08 07:40:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 08 07:38:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	177996	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	116265	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	26617	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	55348	22.562	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.240%
7) Chloroethane-d5	2.879	69	26377	24.814	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.240%
11) 1,1-Dichloroethene-d2	4.013	63	81471	16.127	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.520%
21) 2-Butanone-d5	7.086	46	31530	50.595	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.200%
24) Chloroform-d	7.653	84	115346	22.569	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.280%
26) 1,2-Dichloroethane-d4	8.311	65	62911	22.492	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.960%
32) Benzene-d6	8.281	84	218283	31.009	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	124.040%
36) 1,2-Dichloropropane-d6	9.274	67	73249	32.805	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	131.240%#
41) Toluene-d8	10.323	98	184969	29.011	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.040%
43) trans-1,3-Dichloroprop...	10.579	79	19140	21.068	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.280%
47) 2-Hexanone-d5	10.927	63	20654	66.927	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.860%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	34587	22.194	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.760%
66) 1,2-Dichlorobenzene-d4	13.853	152	20630	22.134	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.520%
Target Compounds						Qvalue
13) Acetone	4.129	43	44259	69.083	ug/L	98
16) Methylene chloride	4.922	84	15795	4.969	ug/L	92
19) 1,1-Dichloroethane	6.220	63	5448	1.056	ug/L	94
22) 2-Butanone	7.183	43	17996	22.847	ug/L	95
30) 1,1,1-Trichloroethane	7.878	97	12157	4.359	ug/L	99
35) Methylcyclohexane	9.335	83	20625	5.944	ug/L #	86
39) cis-1,3-Dichloropropene	10.037	75	1705	0.598	ug/L #	55
40) 4-Methyl-2-pentanone	10.213	43	3694	3.357	ug/L #	93
42) Toluene	10.390	91	78310	9.630	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	92702	72.747	ug/L #	20
46) Tetrachloroethene	10.866	164	27928	19.078	ug/L	95
52) Ethylbenzene	11.731	91	857647	96.608	ug/L	98
53) m,p-Xylene	11.835	106	2071765	631.708	ug/L	97
54) o-Xylene	12.164	106	912736	297.190	ug/L	98
55) Styrene	12.164	104	46790	8.852	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.695	83	2432	1.605	ug/L	78
60) Isopropylbenzene	12.463	105	70548	17.854	ug/L #	76
61) 1,2,3-Trichloropropane	12.804	75	402	0.762	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.945	105	476061	148.906	ug/L	99

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Quant Title : SFAM01.0
QLast Update : Fri Oct 08 07:38:51 2021
Response via : Initial Calibration

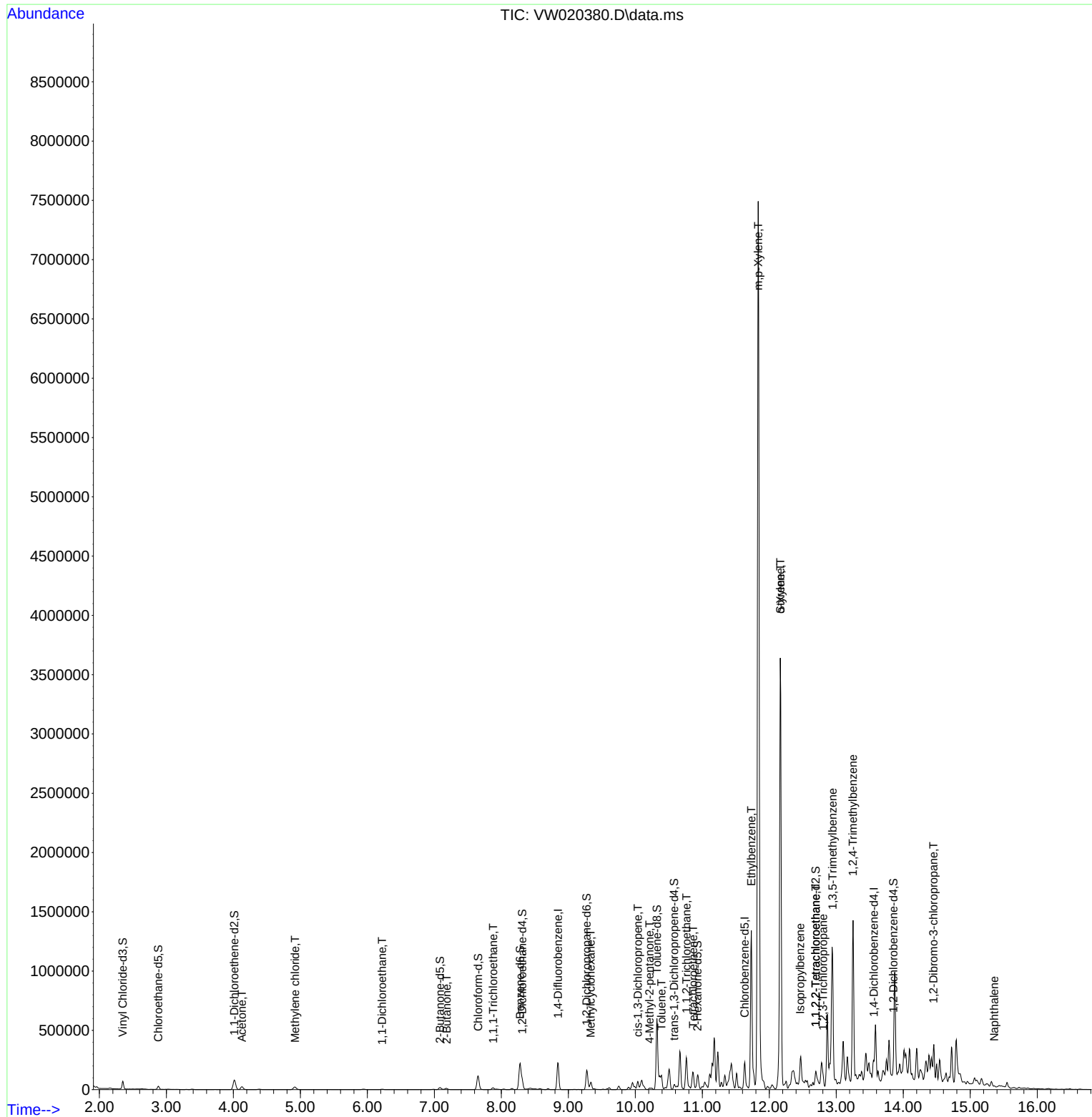
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.249	105	713846	223.418	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.450	75	2360	21.076	ug/L #	11
71) Naphthalene	15.359	128	8990	5.604	ug/L #	94

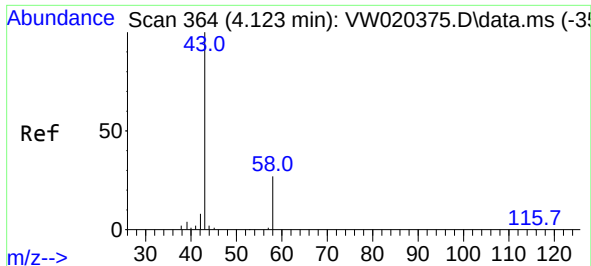
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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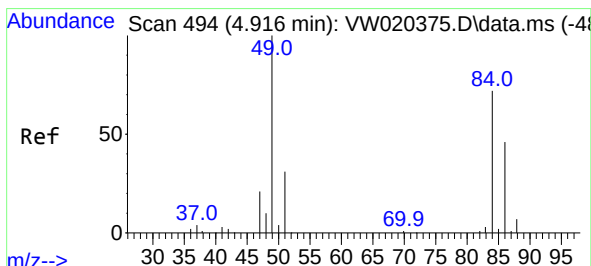
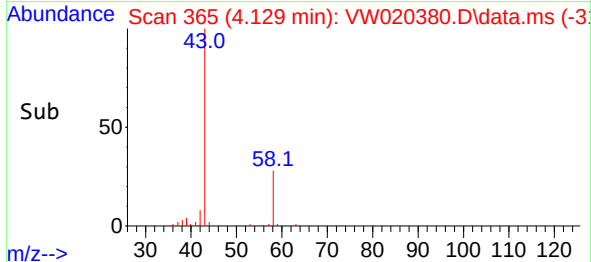
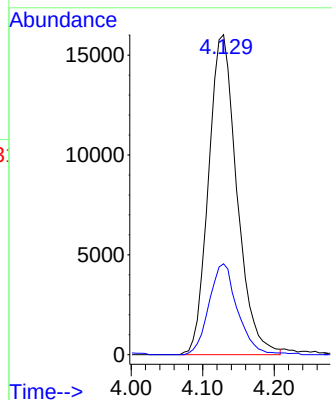
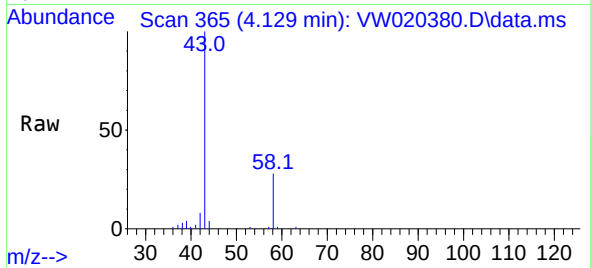




#13
Acetone
Concen: 69.083 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

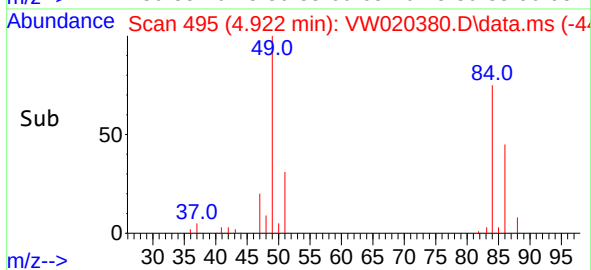
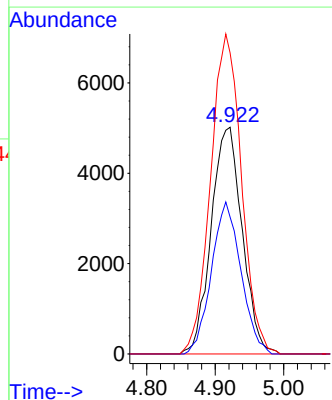
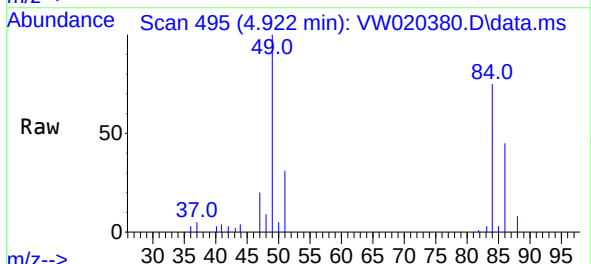
Instrument :
MSVOA_W
ClientSampled :
EW7E0

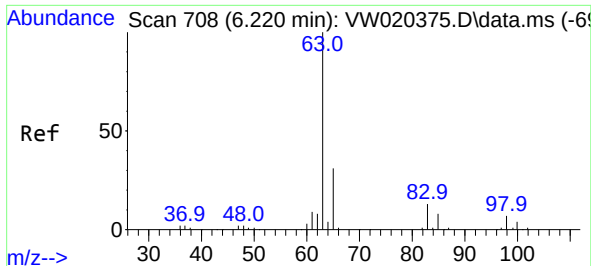
Tgt Ion: 43 Resp: 44259
Ion Ratio Lower Upper
43 100
58 28.3 0.0 58.4



#16
Methylene chloride
Concen: 4.969 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Tgt Ion: 84 Resp: 15795
Ion Ratio Lower Upper
84 100
86 60.3 44.7 83.1
49 132.8 101.7 188.9





#19

1,1-Dichloroethane

Concen: 1.056 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW020380.D

Acq: 07 Oct 2021 23:48

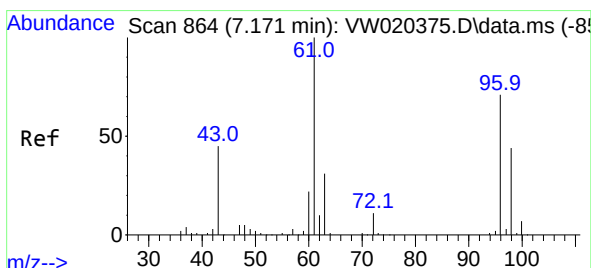
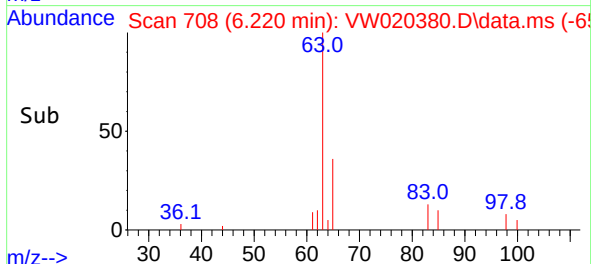
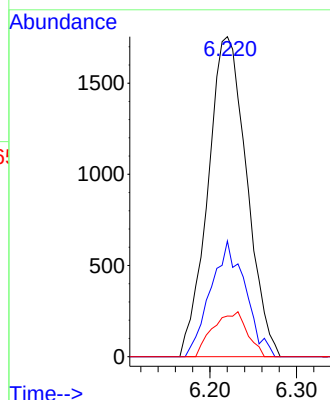
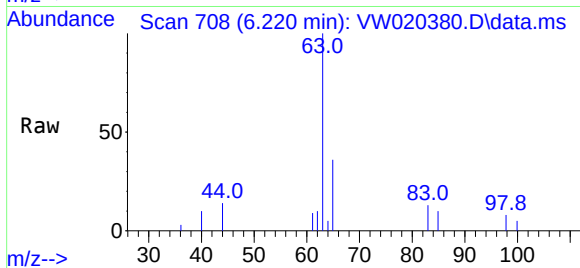
Instrument :

MSVOA_W

ClientSampleId :

EW7E0

Tgt Ion:	63	Resp:	5448
Ion	Ratio	Lower	Upper
63	100		
65	36.1	21.9	40.7
83	12.7	9.0	16.6



#22

2-Butanone

Concen: 22.847 ug/L

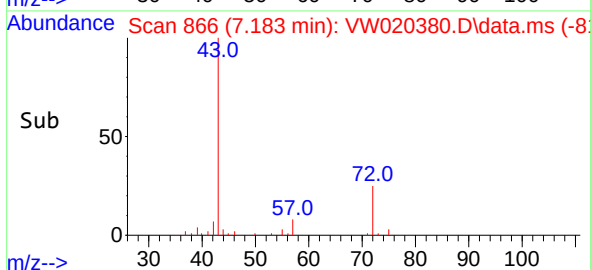
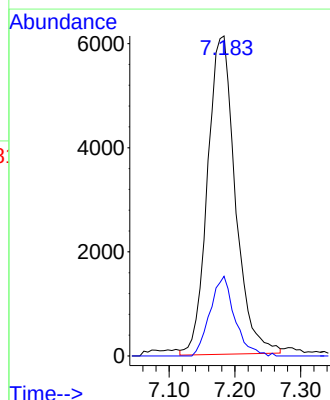
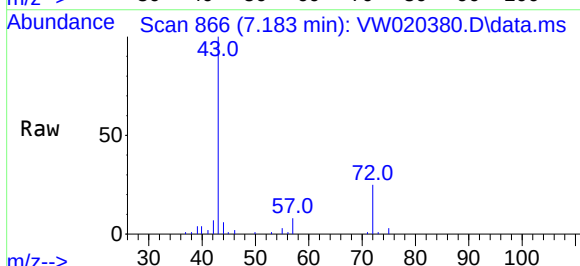
RT: 7.183 min Scan# 866

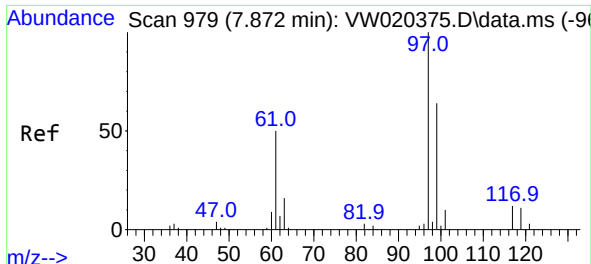
Delta R.T. 0.012 min

Lab File: VW020380.D

Acq: 07 Oct 2021 23:48

Tgt Ion:	43	Resp:	17996
Ion	Ratio	Lower	Upper
43	100		
72	22.1	12.2	36.6



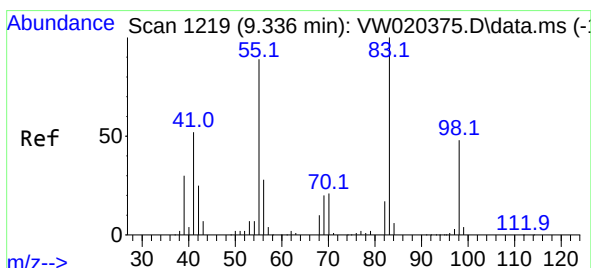
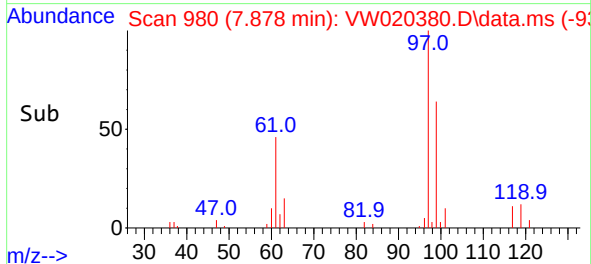
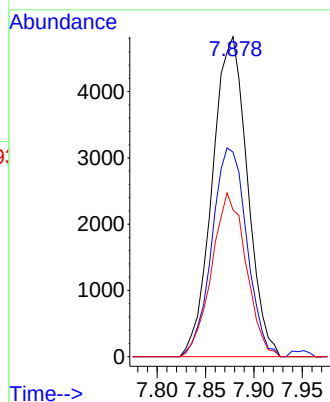
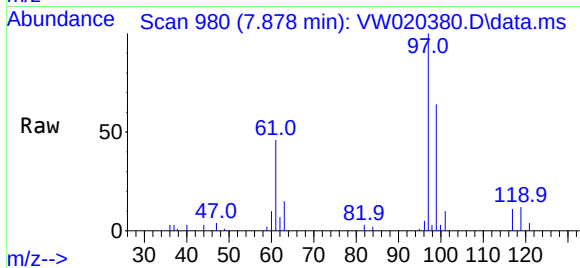


#30
1,1,1-Trichloroethane
Concen: 4.359 ug/L
RT: 7.878 min Scan# 980
Delta R.T. 0.006 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Instrument :
MSVOA_W
ClientSampleId :
EW7E0

Tgt Ion: 97 Resp: 12157

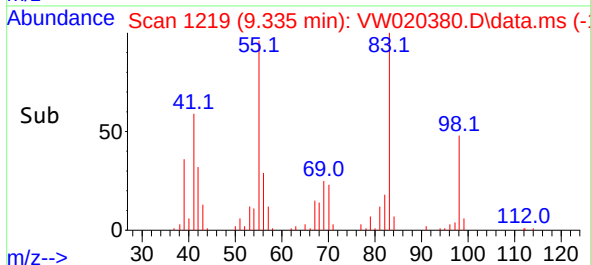
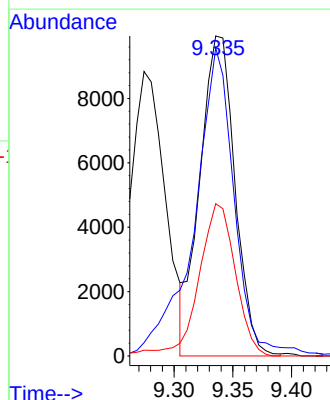
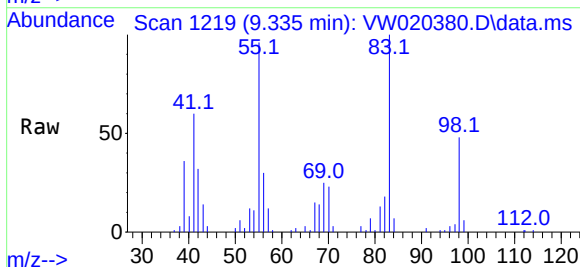
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	50.2	41.0	61.6

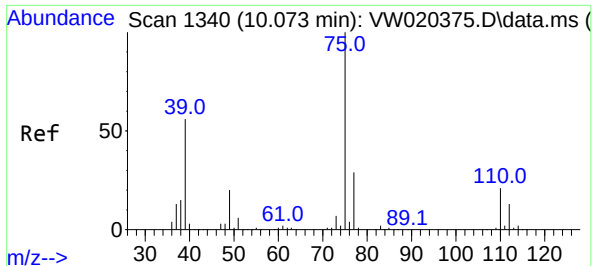


#35
Methylcyclohexane
Concen: 5.944 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Tgt Ion: 83 Resp: 20625

Ion	Ratio	Lower	Upper
83	100		
55	106.8	69.7	104.5#
98	48.5	38.2	57.2

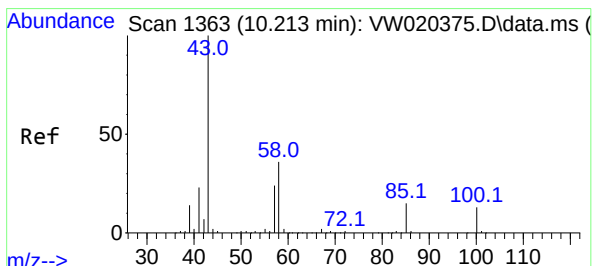
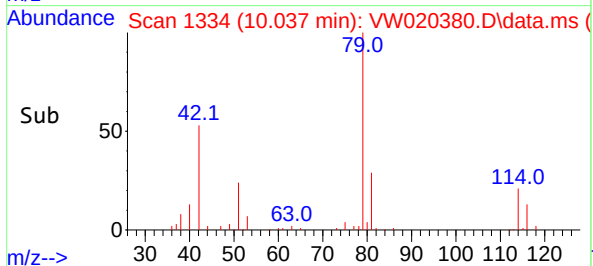
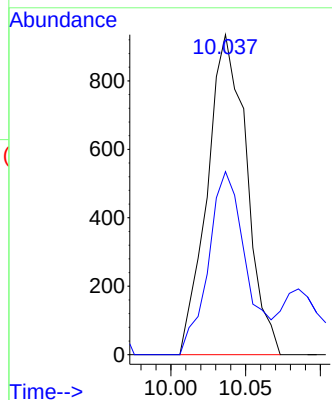
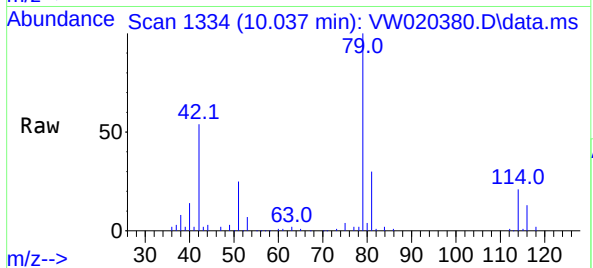




#39
cis-1,3-Dichloropropene
Concen: 0.598 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

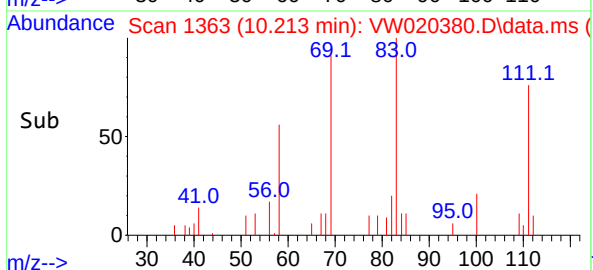
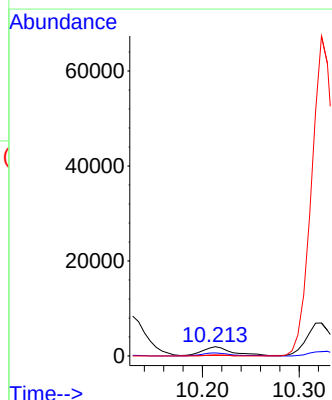
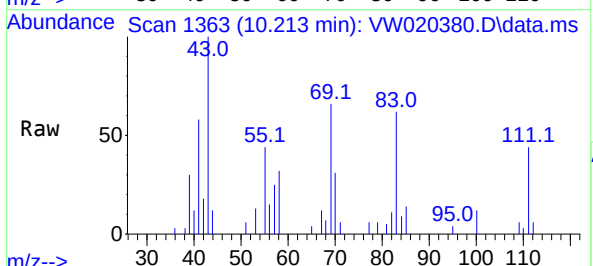
Instrument :
MSVOA_W
ClientSampled :
EW7E0

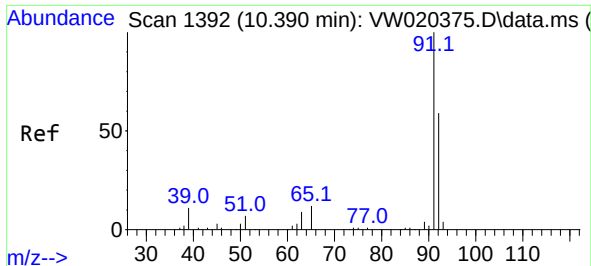
Tgt Ion: 75 Resp: 1705
Ion Ratio Lower Upper
75 100
77 57.2 22.4 41.6#



#40
4-Methyl-2-pentanone
Concen: 3.357 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Tgt Ion: 43 Resp: 3694
Ion Ratio Lower Upper
43 100
58 32.6 29.0 43.4
100 8.9 10.2 15.4#

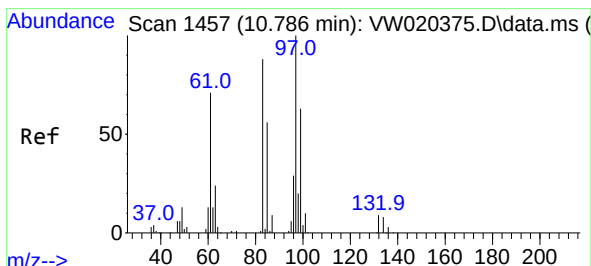
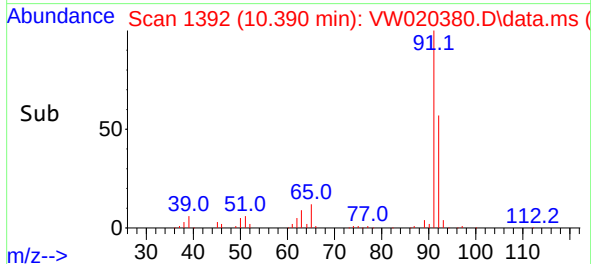
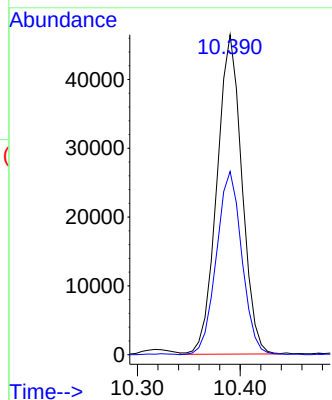
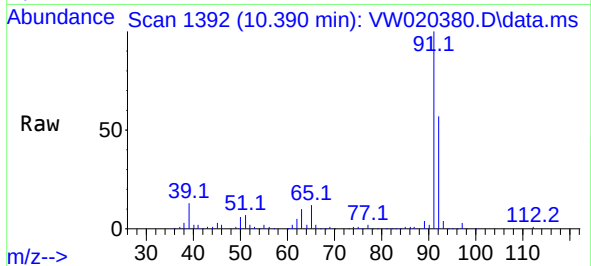




#42
Toluene
Concen: 9.630 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

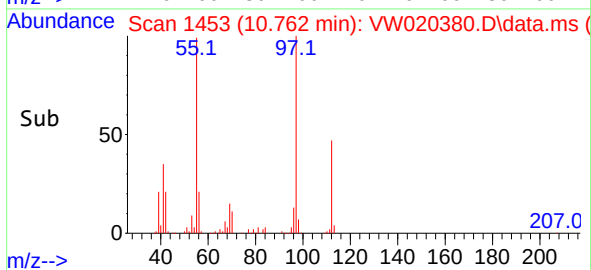
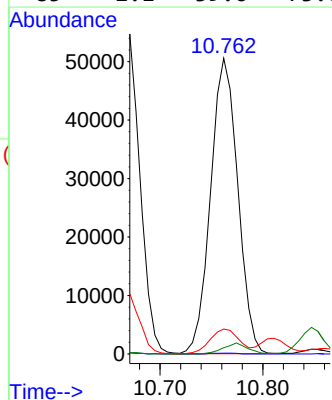
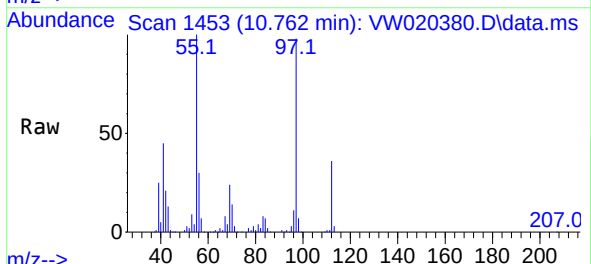
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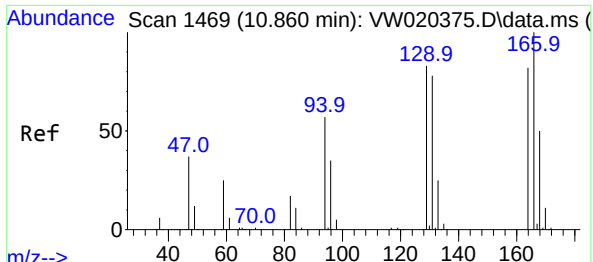
Tgt Ion: 91 Resp: 78310
Ion Ratio Lower Upper
91 100
92 57.2 41.5 77.1



#45
1,1,2-Trichloroethane
Concen: 72.747 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Tgt Ion: 97 Resp: 92702
Ion Ratio Lower Upper
97 100
99 0.3 42.8 79.4#
83 8.4 60.9 113.1#
85 2.1 39.6 73.6#



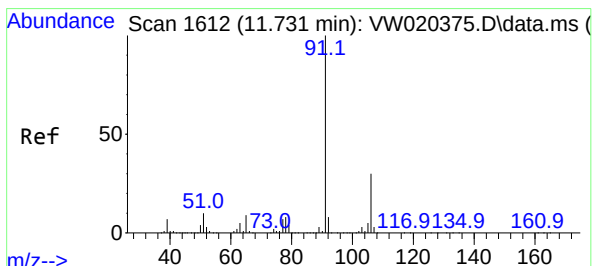
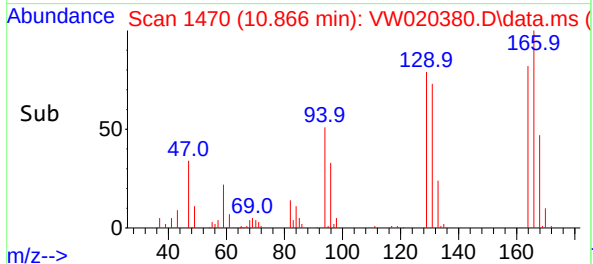
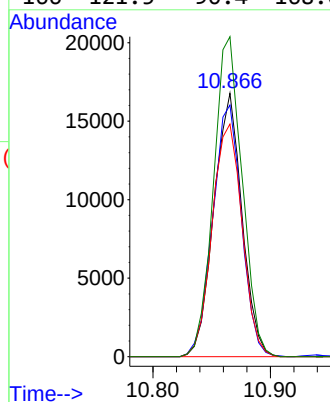
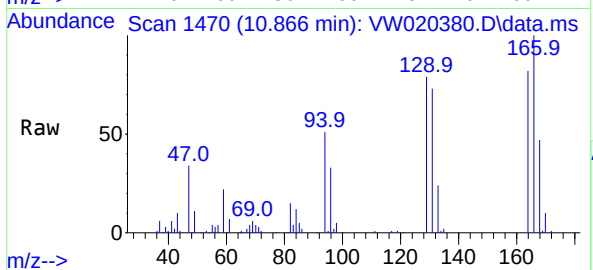


#46
Tetrachloroethene
Concen: 19.078 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Instrument :
MSVOA_W
ClientSampled :
EW7E0

Tgt Ion:164 Resp: 27928

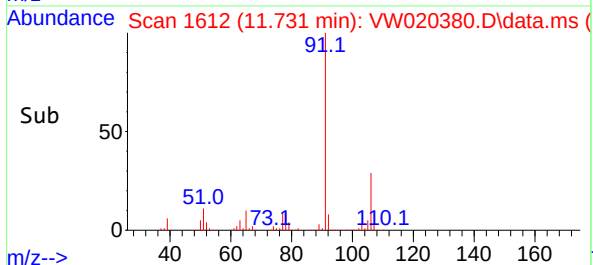
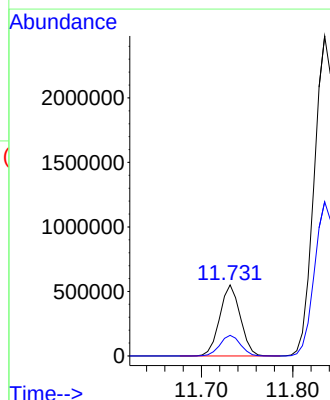
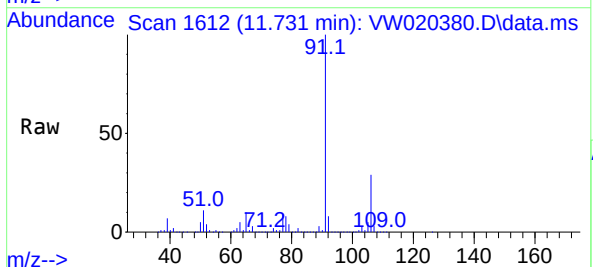
Ion	Ratio	Lower	Upper
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129	95.6	69.1	128.3
131	88.3	58.3	108.3
166	121.5	90.4	168.0

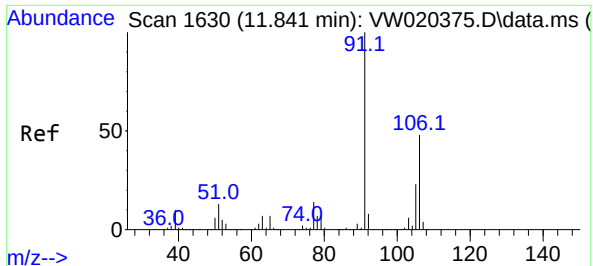


#52
Ethylbenzene
Concen: 96.608 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Tgt Ion: 91 Resp: 857647

Ion	Ratio	Lower	Upper
91	100		
106	29.1	21.3	39.5

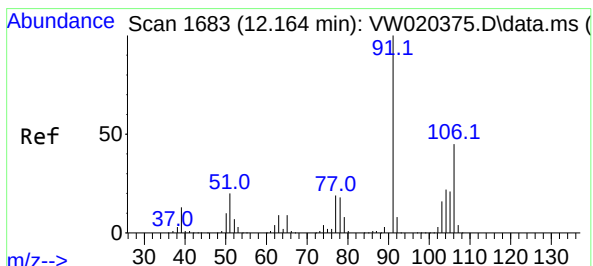
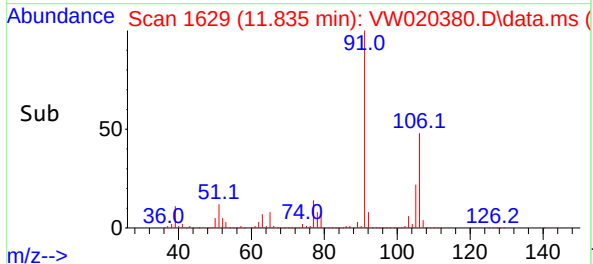
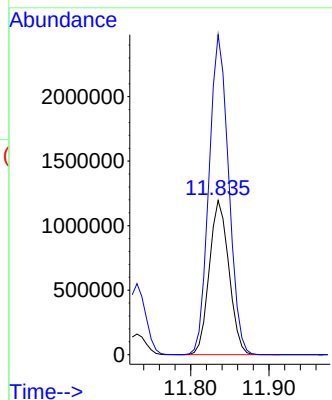
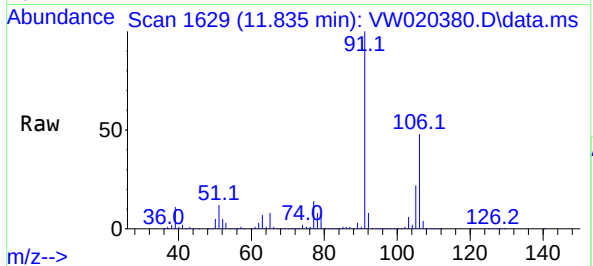




#53
m,p-Xylene
Concen: 631.708 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

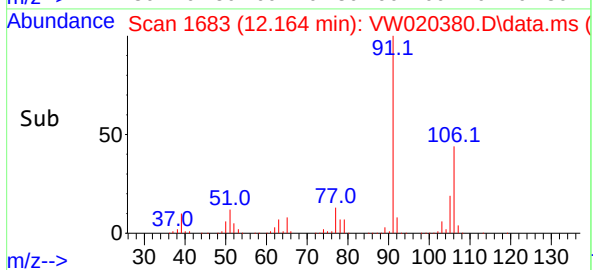
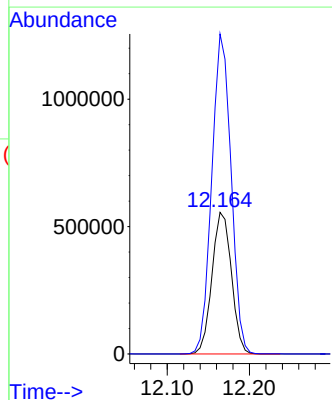
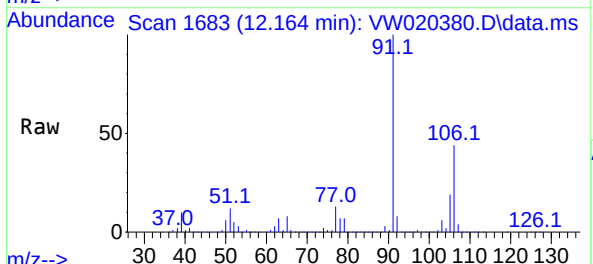
Instrument :
MSVOA_W
ClientSampled :
EW7E0

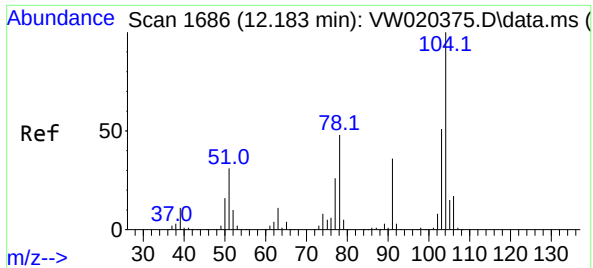
Tgt Ion:106 Resp: 2071765
Ion Ratio Lower Upper
106 100
91 207.4 148.2 275.2



#54
o-Xylene
Concen: 297.190 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Tgt Ion:106 Resp: 912736
Ion Ratio Lower Upper
106 100
91 225.9 156.1 289.9

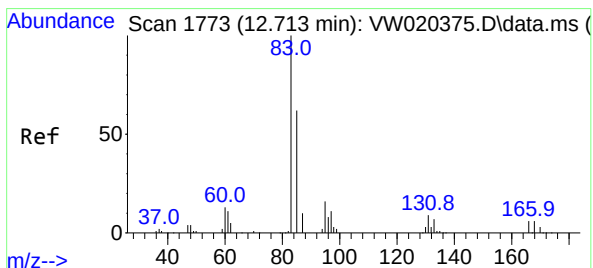
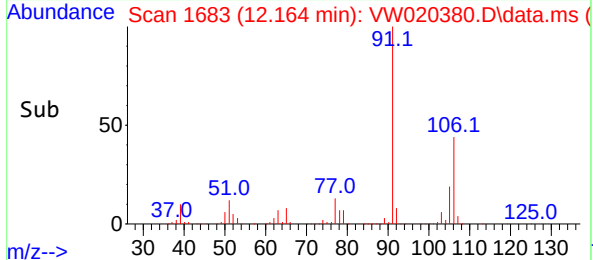
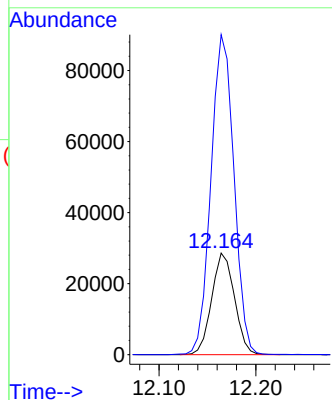
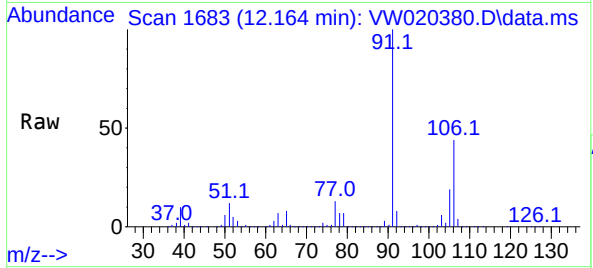




#55
Styrene
Concen: 8.852 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.018 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

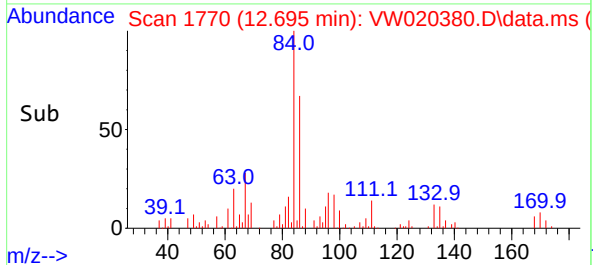
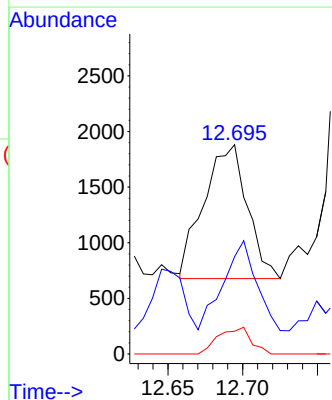
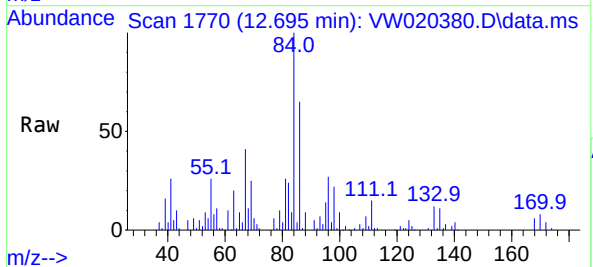
Instrument :
MSVOA_W
ClientSampled :
EW7E0

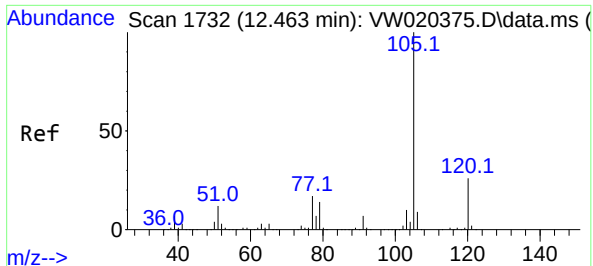
Tgt Ion:104 Resp: 46790
Ion Ratio Lower Upper
104 100
78 315.0 33.2 61.7#



#57
1,1,2,2-Tetrachloroethane
Concen: 1.605 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Tgt Ion: 83 Resp: 2432
Ion Ratio Lower Upper
83 100
85 46.5 45.9 85.3
131 10.9 7.4 11.2

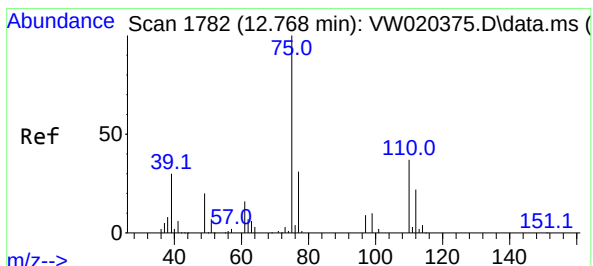
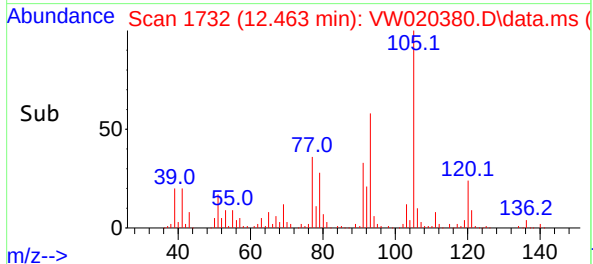
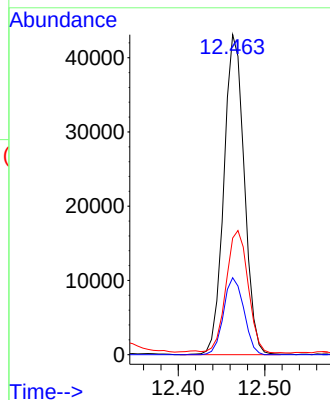
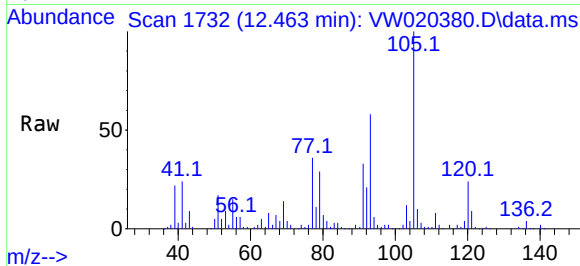




#60
Isopropylbenzene
Concen: 17.854 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

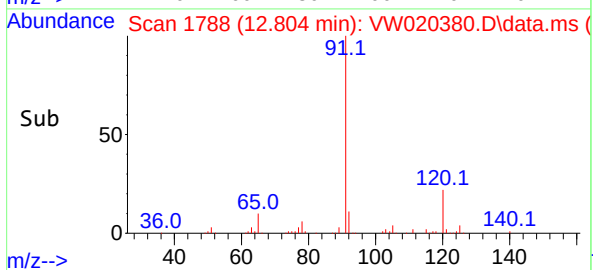
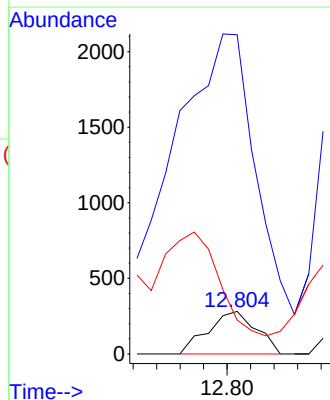
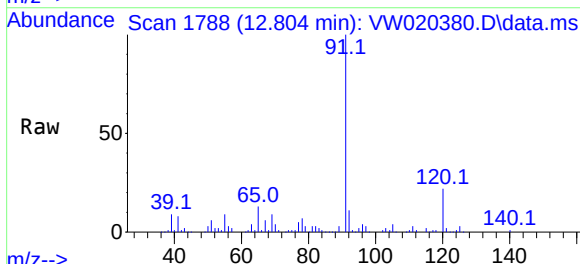
Instrument :
MSVOA_W
ClientSampled :
EW7E0

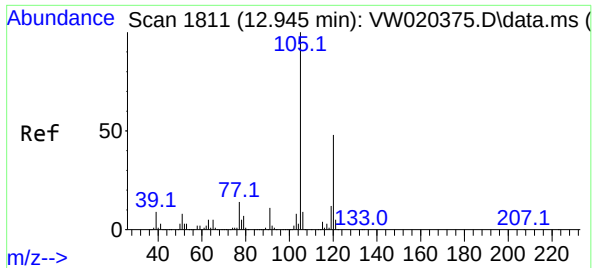
Tgt Ion:	105	Resp:	70548
Ion	Ratio	Lower	Upper
105	100		
120	23.9	20.3	30.5
77	41.3	13.8	20.6#



#61
1,2,3-Trichloropropane
Concen: 0.762 ug/L
RT: 12.804 min Scan# 1788
Delta R.T. 0.036 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Tgt Ion:	75	Resp:	402
Ion	Ratio	Lower	Upper
75	100		
77	1104.0	25.1	37.7#
110	261.9	29.4	44.0#

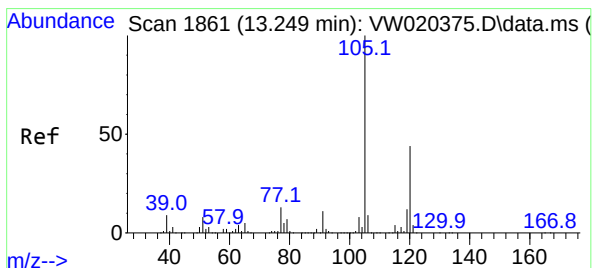
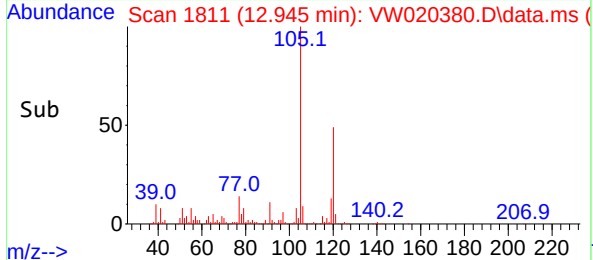
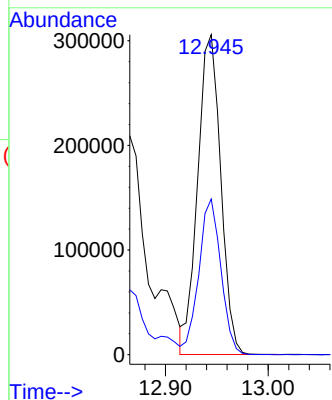
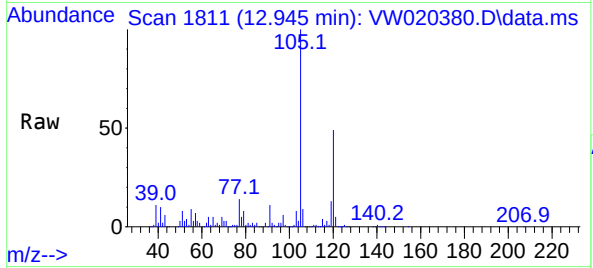




#62
1,3,5-Trimethylbenzene
Concen: 148.906 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

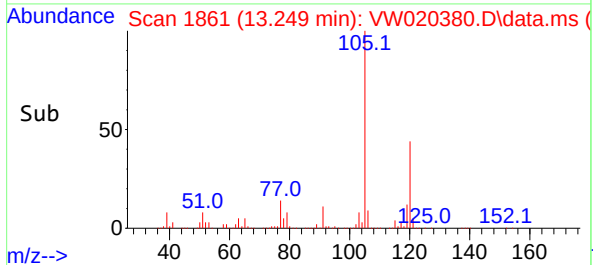
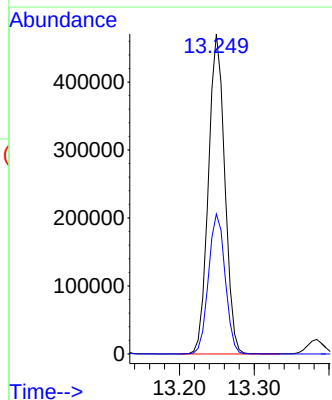
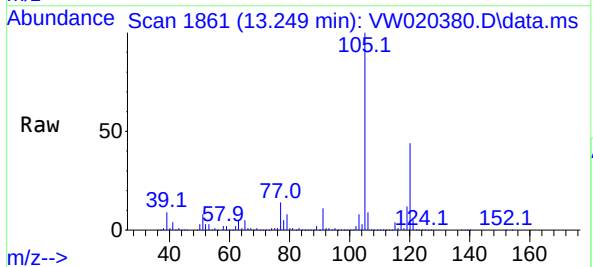
Instrument :
MSVOA_W
ClientSampled :
EW7E0

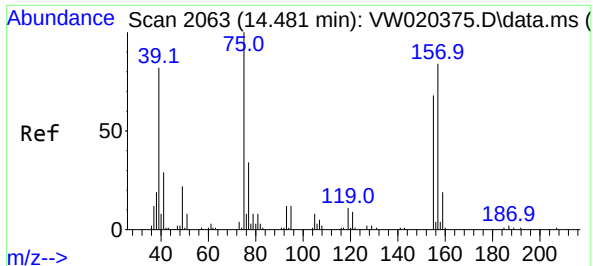
Tgt Ion:105 Resp: 476061
Ion Ratio Lower Upper
105 100
120 46.8 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 223.418 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

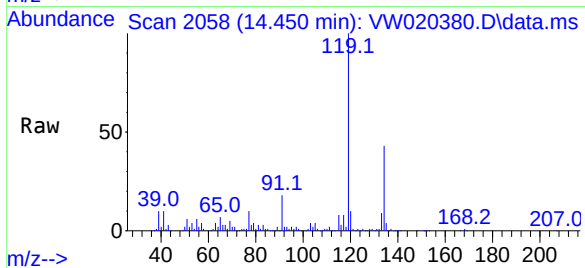
Tgt Ion:105 Resp: 713846
Ion Ratio Lower Upper
105 100
120 44.4 35.4 53.2



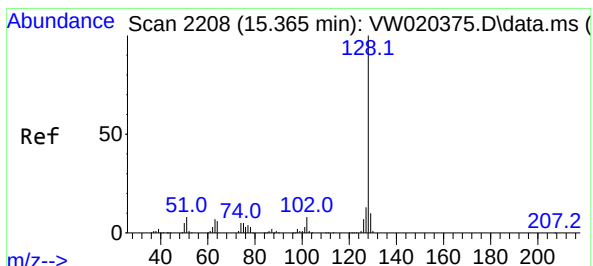
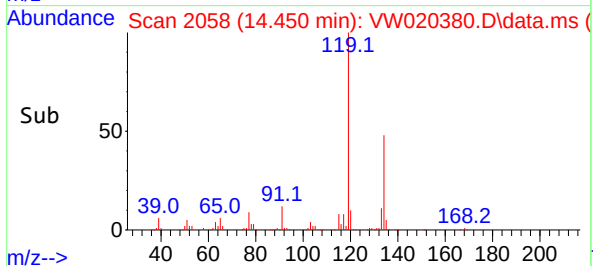
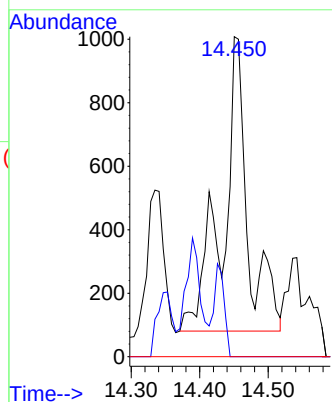


#68
1,2-Dibromo-3-chloropropane
Concen: 21.076 ug/L
RT: 14.450 min Scan# 2058
Delta R.T. -0.031 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Instrument :
MSVOA_W
ClientSampleId :
EW7E0



Tgt Ion: 75 Resp: 2360
Ion Ratio Lower Upper
75 100
155 0.0 51.4 77.0#
157 0.0 70.8 106.2#



#71
Naphthalene
Concen: 5.604 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW020380.D
Acq: 07 Oct 2021 23:48

Tgt Ion: 128 Resp: 8990
Ion Ratio Lower Upper
128 100
127 14.9 10.5 15.7
129 7.8 8.7 13.1#

