

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
 Data File : VW020255.D
 Acq On : 30 Sep 2021 01:54
 Operator : SY/VA
 Sample : M3974-09
 Misc : 7.48g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 04:38:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Sep 30 02:06:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	384638	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	304114	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	126551	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	107643	13.680	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.720%
7) Chloroethane-d5	2.898	69	88206	14.880	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.520%
11) 1,1-Dichloroethene-d2	4.025	63	134055	10.881	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.520%#
21) 2-Butanone-d5	7.110	46	39155	32.246	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.500%
24) Chloroform-d	7.653	84	214766	17.754	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	71.000%
26) 1,2-Dichloroethane-d4	8.311	65	107090	16.449	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	65.800%#
32) Benzene-d6	8.275	84	374982	19.327	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.320%
36) 1,2-Dichloropropane-d6	9.281	67	105592	18.805	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	75.240%
41) Toluene-d8	10.323	98	324467	18.380	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.520%
43) trans-1,3-Dichloroprop...	10.585	79	53634	22.348	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.400%
47) 2-Hexanone-d5	10.927	63	35461	45.635	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.280%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	93498	21.587	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.360%
66) 1,2-Dichlorobenzene-d4	13.853	152	100234	21.123	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.480%
Target Compounds						
5) Vinyl chloride	2.367	62	423931	57.953	ug/L	97
12) 1,1-Dichloroethene	4.050	96	42179	8.269	ug/L	89
13) Acetone	4.141	43	6346	6.102	ug/L	95
17) trans-1,2-Dichloroethene	5.428	96	51943	9.666	ug/L	94
20) cis-1,2-Dichloroethene	7.159	96	30046314	5497.874	ug/L	75
29) Cyclohexane	7.964	56	23764	3.512	ug/L	98
33) Benzene	8.330	78	89215	4.861	ug/L	100
34) Trichloroethene	9.104	95	22231562	4524.856	ug/L	97
39) cis-1,3-Dichloropropene	10.037	75	4273	0.637	ug/L #	39
42) Toluene	10.390	91	18375	0.942	ug/L	96
45) 1,1,2-Trichloroethane	10.762	97	5619	1.686	ug/L #	29
46) Tetrachloroethene	10.866	164	9863	2.597	ug/L	96
52) Ethylbenzene	11.731	91	120688	5.619	ug/L	100
53) m,p-Xylene	11.841	106	8520	1.041	ug/L	86
54) o-Xylene	12.170	106	13816	1.824	ug/L	87
60) Isopropylbenzene	12.463	105	30737	1.811	ug/L	97
62) 1,3,5-Trimethylbenzene	12.945	105	42555	3.056	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	57363	4.193	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.542	75	1096	2.043	ug/L #	80

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Quant Title : SFAM01.0
QLast Update : Thu Sep 30 02:06:51 2021
Response via : Initial Calibration

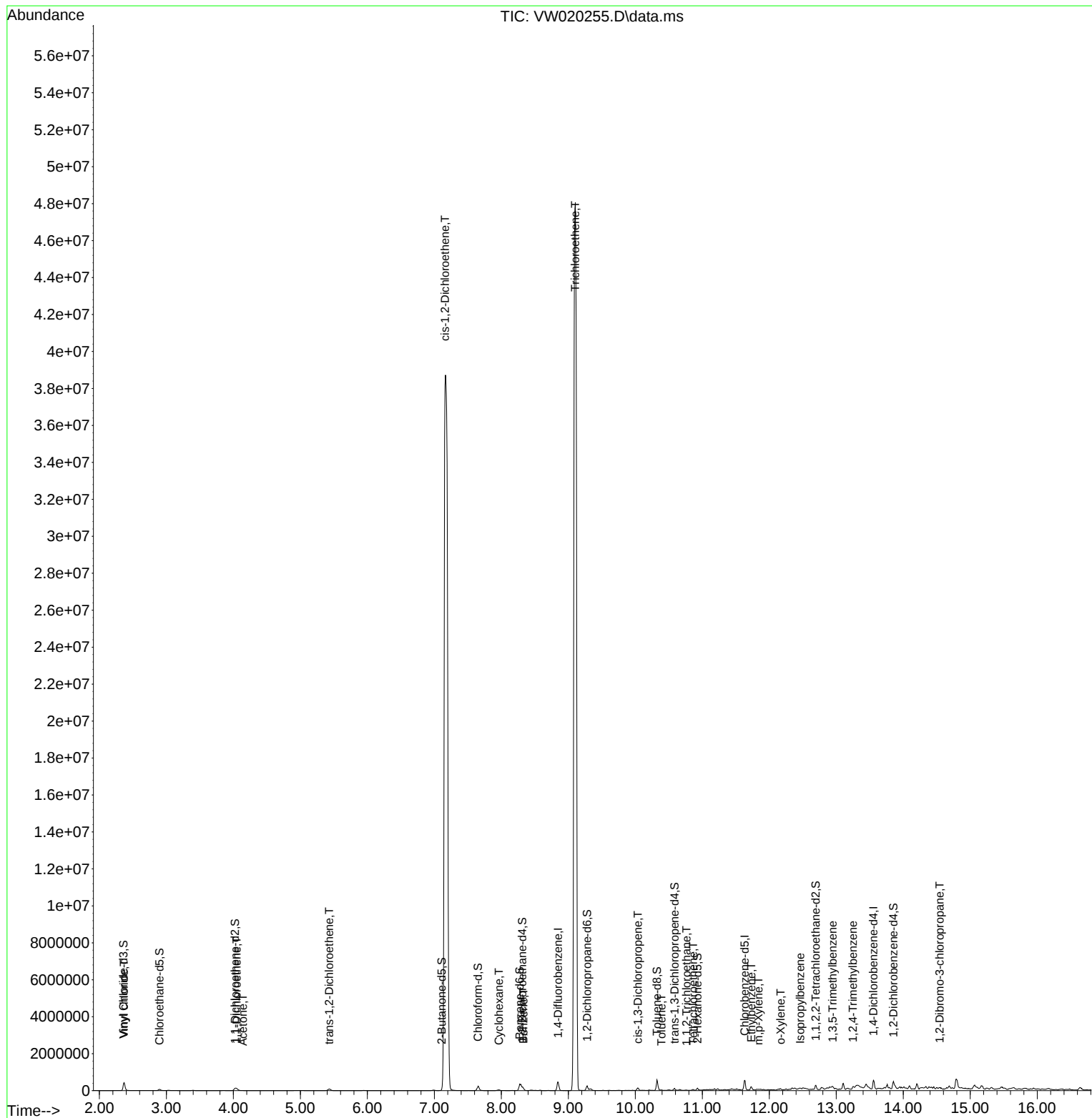
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

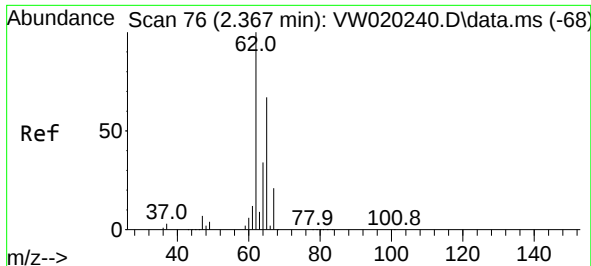
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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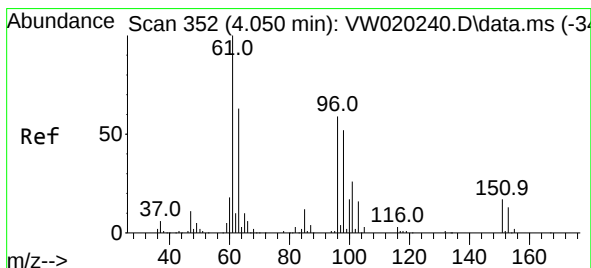
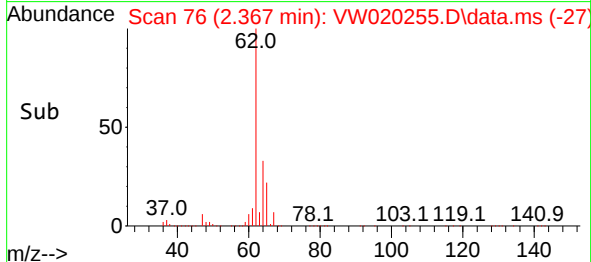
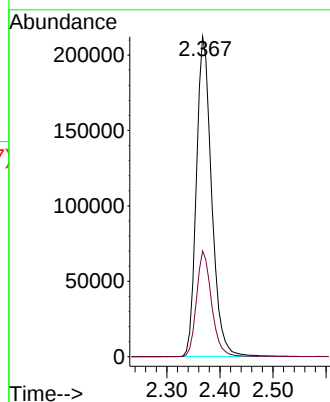
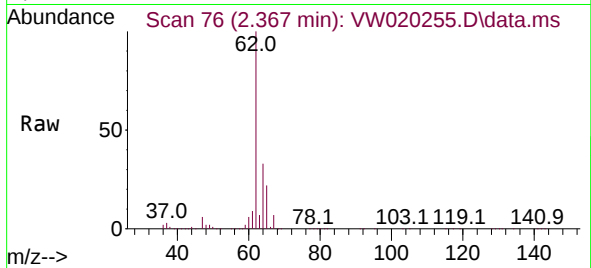




#5
 Vinyl chloride
 Concen: 57.953 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VW020255.D
 Acq: 30 Sep 2021 01:54

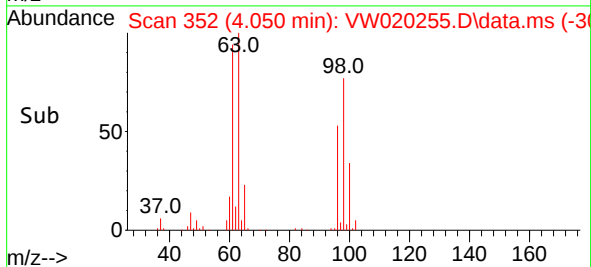
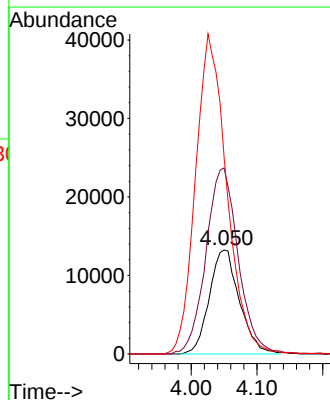
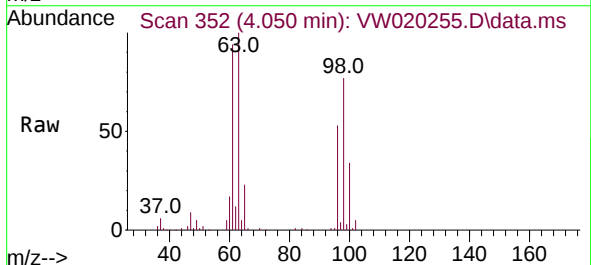
Instrument :
 MSVOA_W
 ClientSampled :

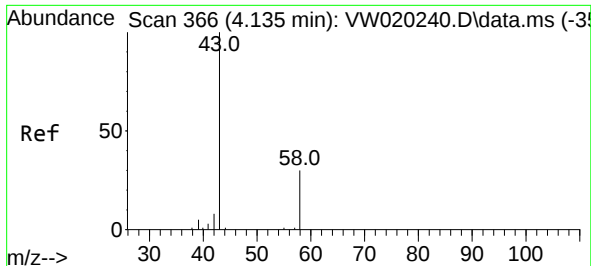
Tgt Ion: 62 Resp: 423931
 Ion Ratio Lower Upper
 62 100
 64 33.0 24.5 45.5



#12
 1,1-Dichloroethene
 Concen: 8.269 ug/L
 RT: 4.050 min Scan# 352
 Delta R.T. -0.000 min
 Lab File: VW020255.D
 Acq: 30 Sep 2021 01:54

Tgt Ion: 96 Resp: 42179
 Ion Ratio Lower Upper
 96 100
 61 178.9 126.1 234.3
 63 190.0 112.6 209.0

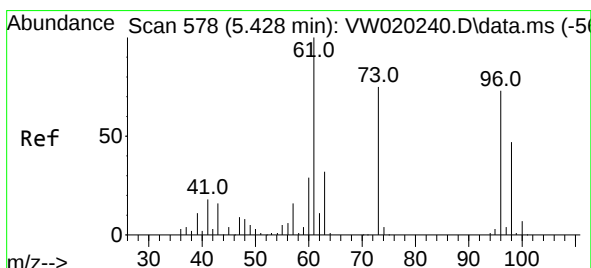
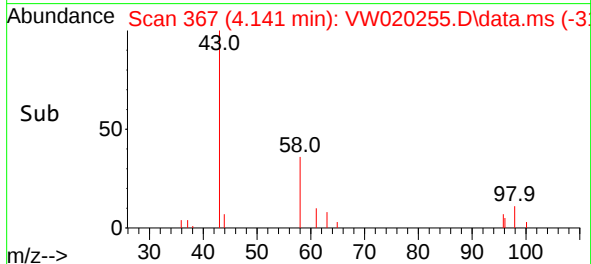
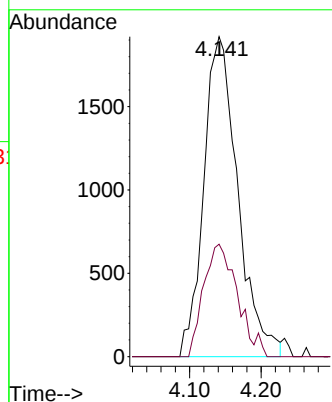
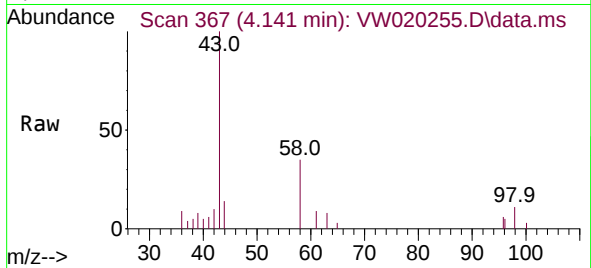




#13
Acetone
Concen: 6.102 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

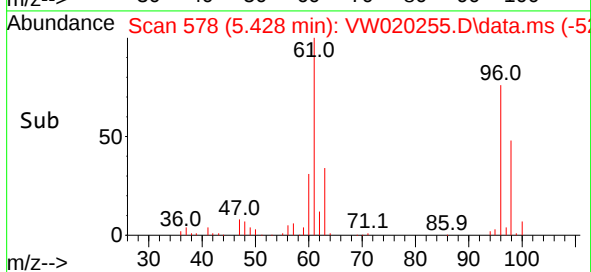
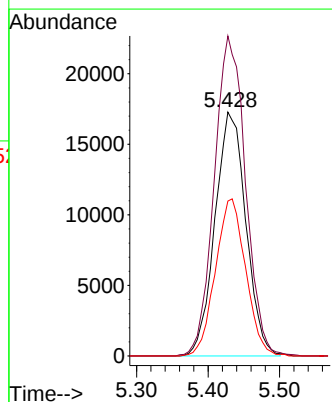
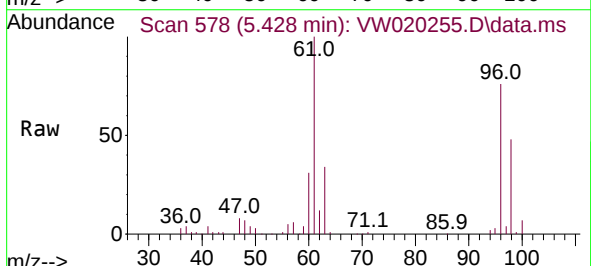
Instrument :
MSVOA_W
ClientSampled :

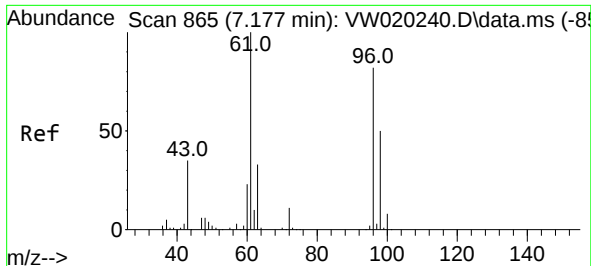
Tgt Ion: 43 Resp: 6346
Ion Ratio Lower Upper
43 100
58 33.7 0.0 61.6



#17
trans-1,2-Dichloroethene
Concen: 9.666 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion: 96 Resp: 51943
Ion Ratio Lower Upper
96 100
61 131.3 98.3 182.5
98 63.5 46.6 86.6



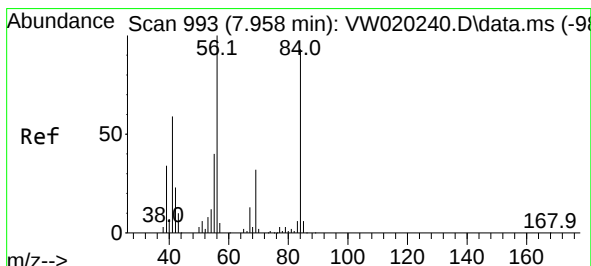
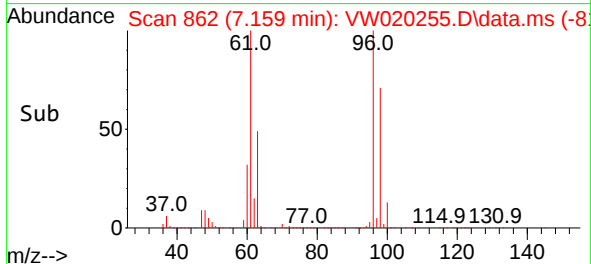
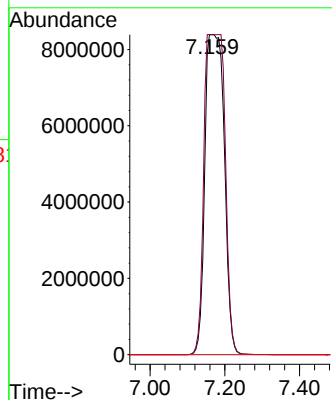
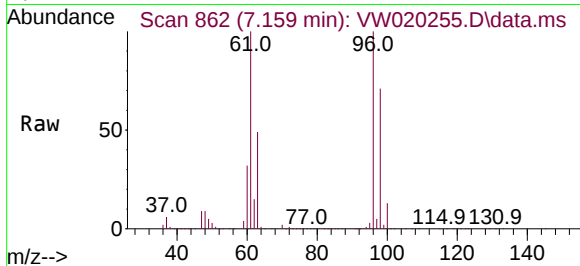


#20
 cis-1,2-Dichloroethene
 Concen: 5497.874 ug/L
 RT: 7.159 min Scan# 862
 Delta R.T. -0.018 min
 Lab File: VW020255.D
 Acq: 30 Sep 2021 01:54

Instrument :
 MSVOA_W
 ClientSampled :

Tgt Ion: 96 Resp:30046314

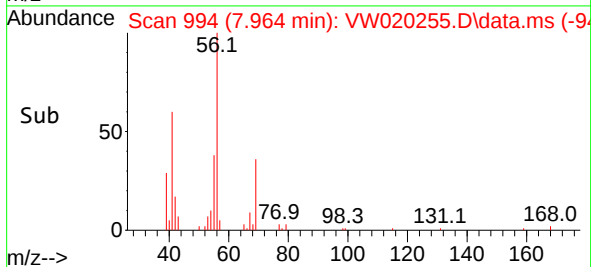
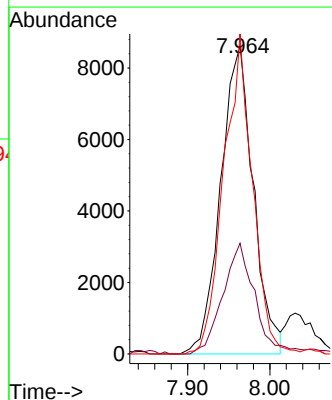
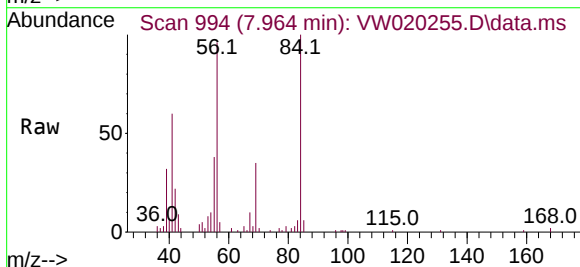
Ion	Ratio	Lower	Upper
96	100		
61	100.0	89.9	167.0
68	0.0	0.0	0.0

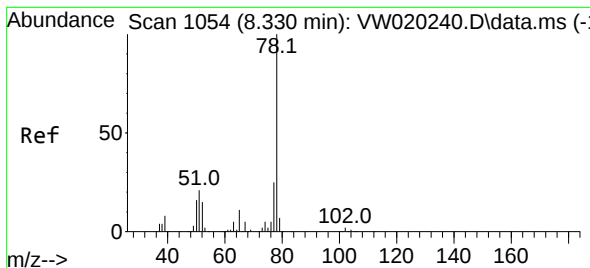


#29
 Cyclohexane
 Concen: 3.512 ug/L
 RT: 7.964 min Scan# 994
 Delta R.T. 0.006 min
 Lab File: VW020255.D
 Acq: 30 Sep 2021 01:54

Tgt Ion: 56 Resp: 23764

Ion	Ratio	Lower	Upper
56	100		
69	35.3	25.7	38.5
84	91.4	73.4	110.2

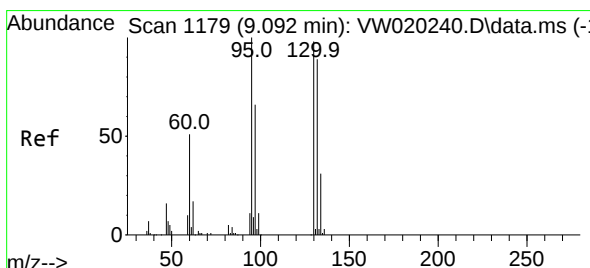
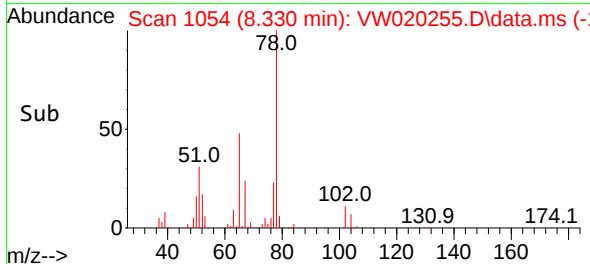
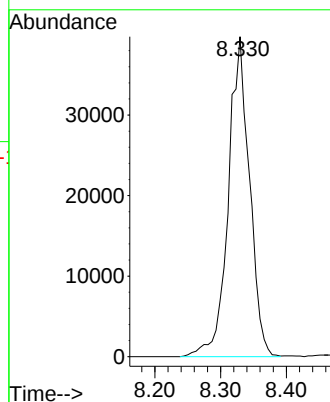
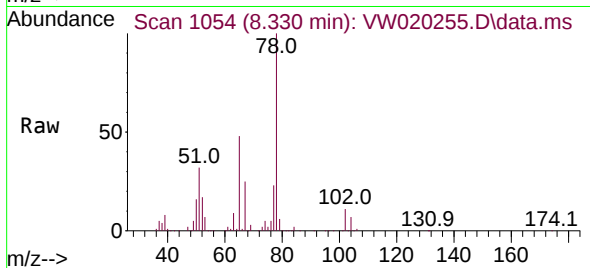




#33
Benzene
Concen: 4.861 ug/L
RT: 8.330 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Instrument :
MSVOA_W
ClientSampleId :

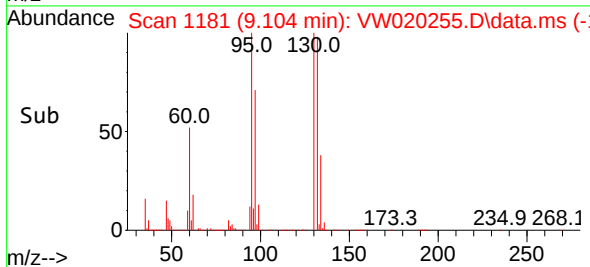
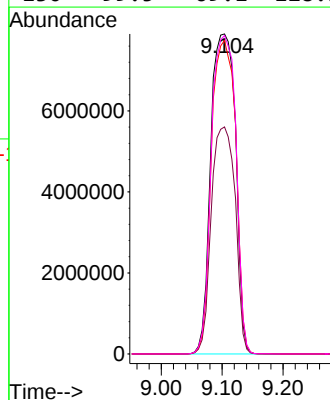
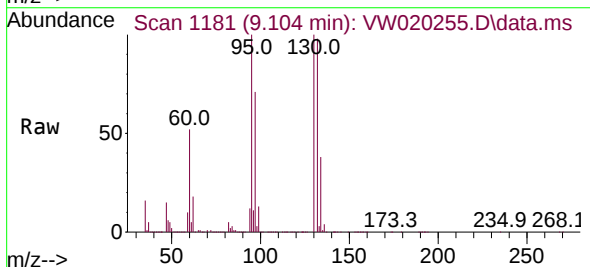
Tgt Ion: 78 Resp: 89215

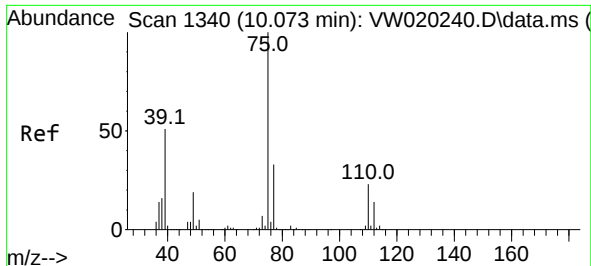


#34
Trichloroethene
Concen: 4524.856 ug/L
RT: 9.104 min Scan# 1181
Delta R.T. 0.012 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion: 95 Resp: 22231562

Ion	Ratio	Lower	Upper
95	100		
97	71.0	45.1	83.7
132	98.0	67.9	126.1
130	99.5	69.1	128.3

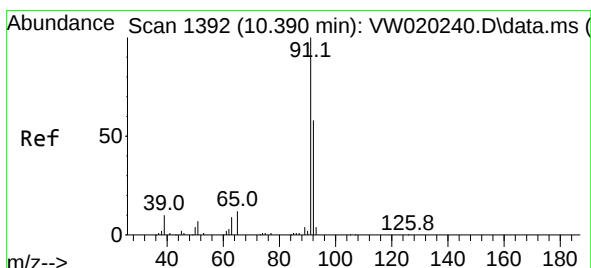
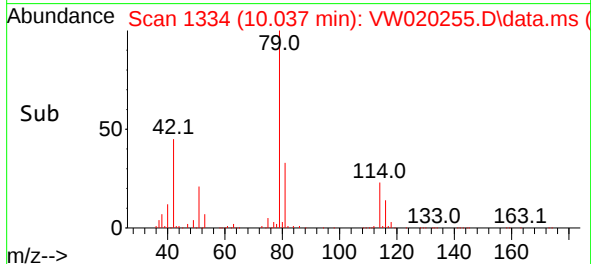
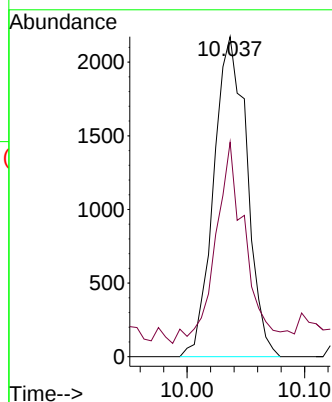
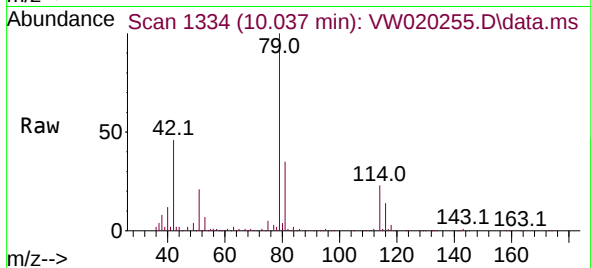




#39
cis-1,3-Dichloropropene
Concen: 0.637 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

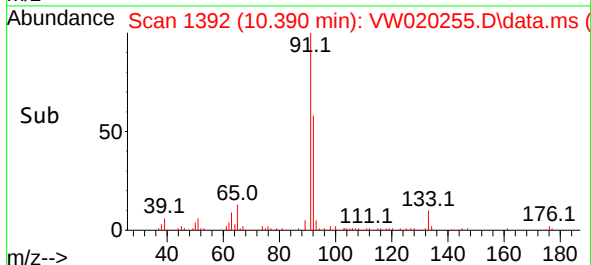
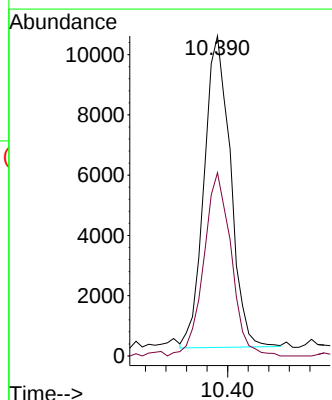
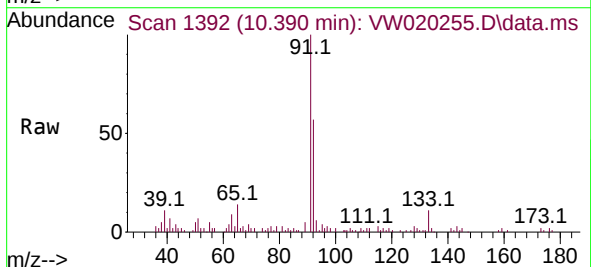
Instrument :
MSVOA_W
ClientSampled :

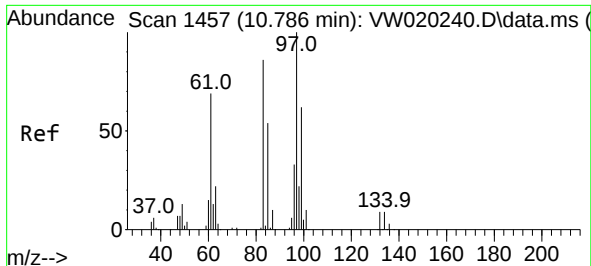
Tgt Ion: 75 Resp: 4273
Ion Ratio Lower Upper
75 100
77 67.0 23.0 42.6#



#42
Toluene
Concen: 0.942 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020255.D
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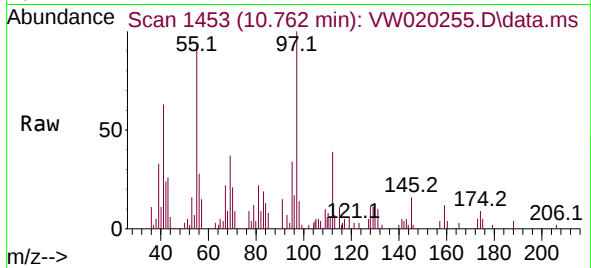
Tgt Ion: 91 Resp: 18375
Ion Ratio Lower Upper
91 100
92 57.3 42.2 78.4



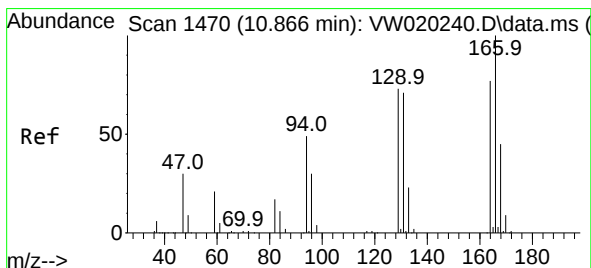
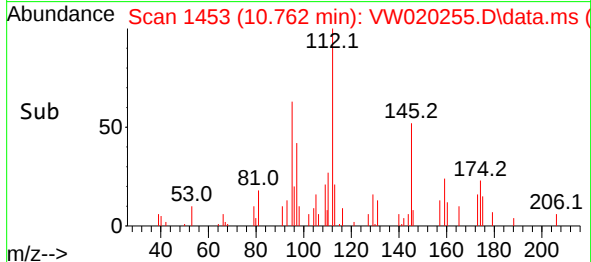
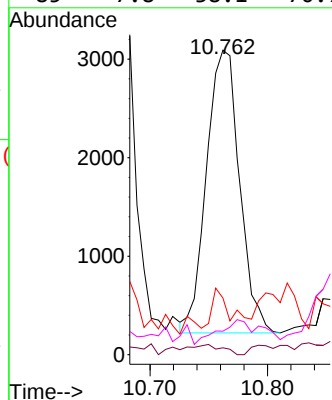


#45
1,1,2-Trichloroethane
Concen: 1.686 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Instrument :
MSVOA_W
ClientSampleId :

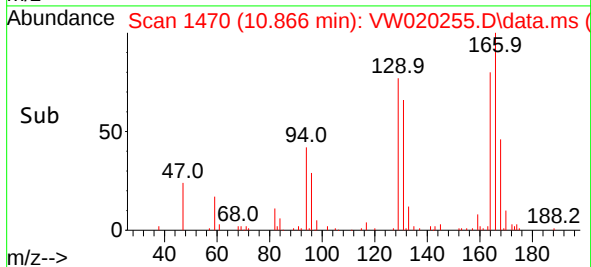
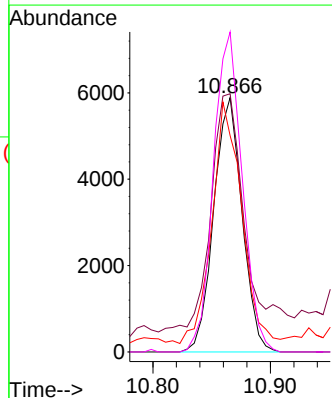
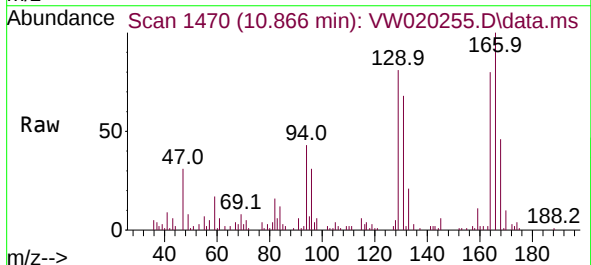


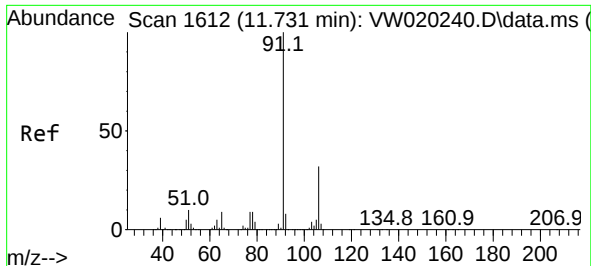
Tgt Ion:	97	Resp:	5619
Ion	Ratio	Lower	Upper
97	100		
99	2.3	42.0	78.0#
83	18.6	58.7	108.9#
85	7.8	38.1	70.7#



#46
Tetrachloroethene
Concen: 2.597 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion:	164	Resp:	9863
Ion	Ratio	Lower	Upper
164	100		
129	101.5	69.5	129.1
131	85.0	66.5	123.5
166	125.8	89.1	165.5

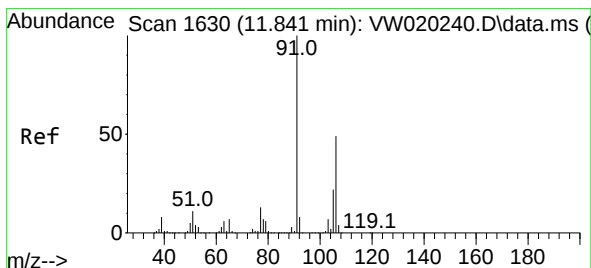
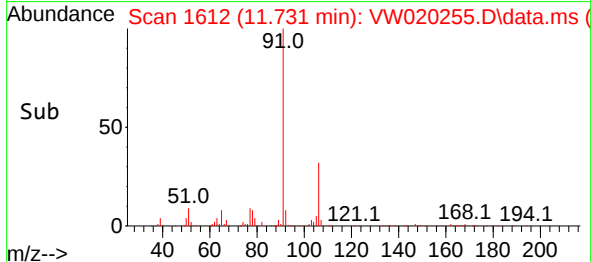
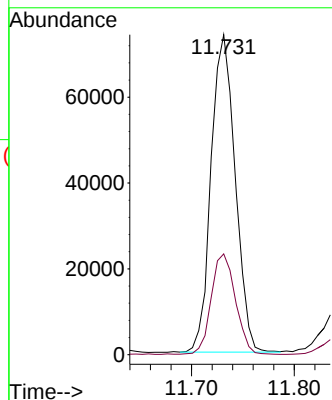
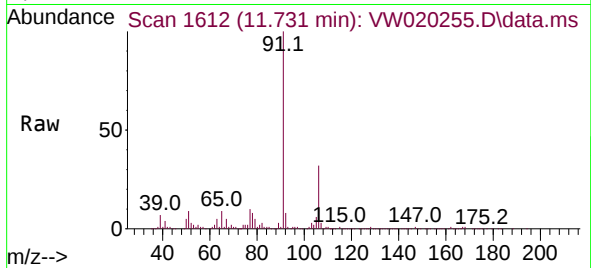




#52
Ethylbenzene
Concen: 5.619 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

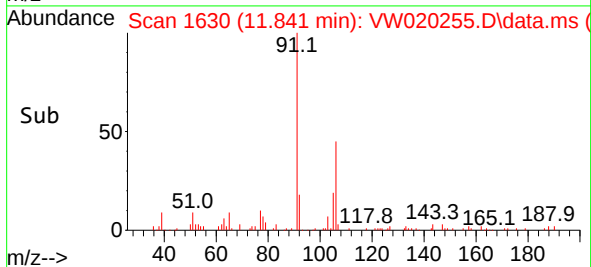
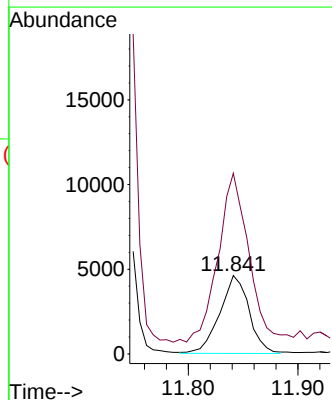
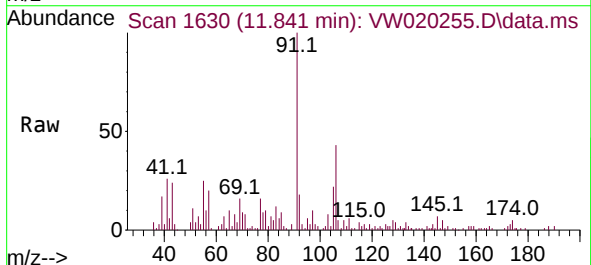
Instrument :
MSVOA_W
ClientSampleId :

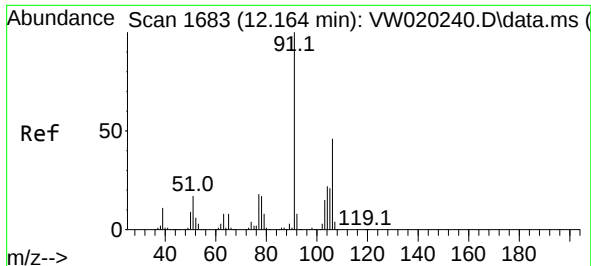
Tgt Ion: 91 Resp: 120688
Ion Ratio Lower Upper
91 100
106 31.5 22.0 40.8



#53
m,p-Xylene
Concen: 1.041 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion:106 Resp: 8520
Ion Ratio Lower Upper
106 100
91 230.4 146.4 271.8

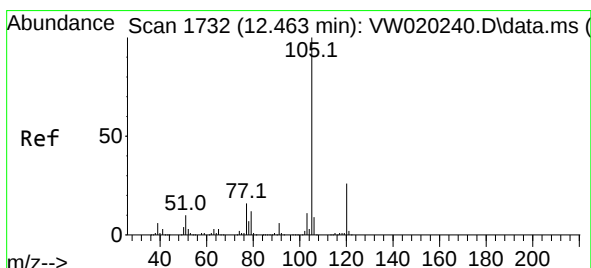
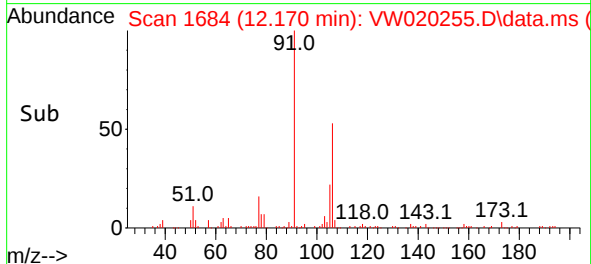
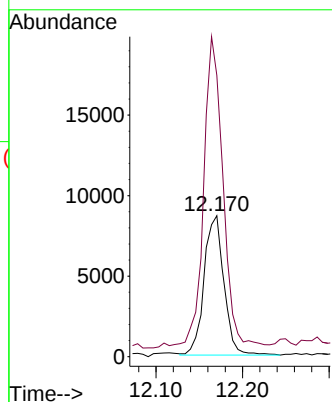
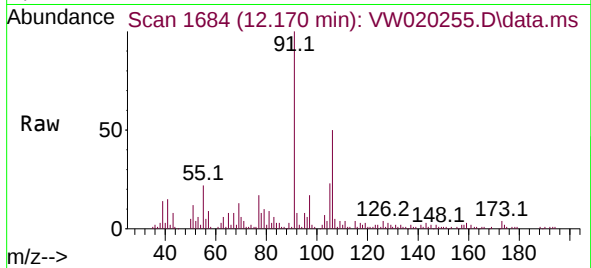




#54
o-Xylene
Concen: 1.824 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

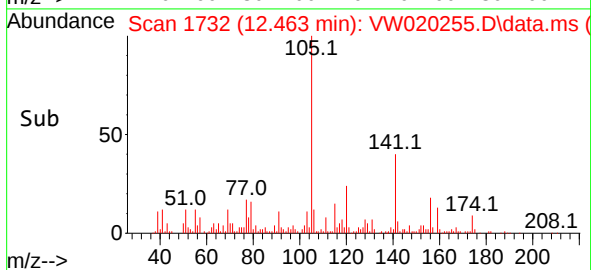
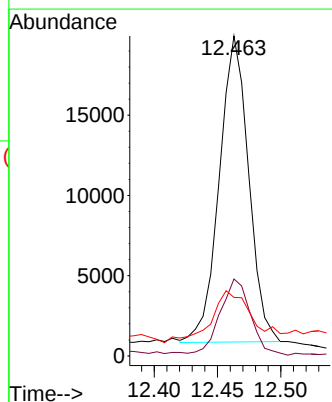
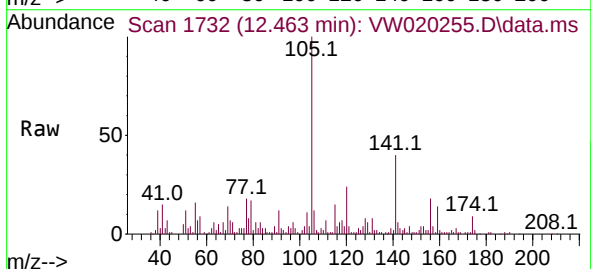
Instrument :
MSVOA_W
ClientSampled :

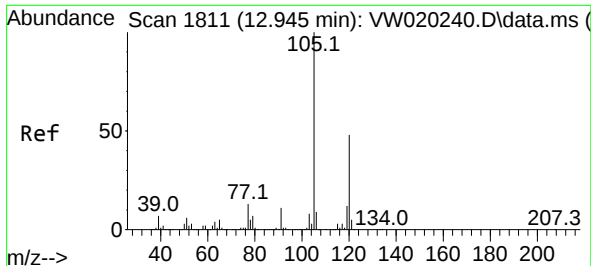
Tgt Ion:106 Resp: 13816
Ion Ratio Lower Upper
106 100
91 199.5 154.3 286.7



#60
Isopropylbenzene
Concen: 1.811 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion:105 Resp: 30737
Ion Ratio Lower Upper
105 100
120 25.7 20.9 31.3
77 19.2 13.3 19.9

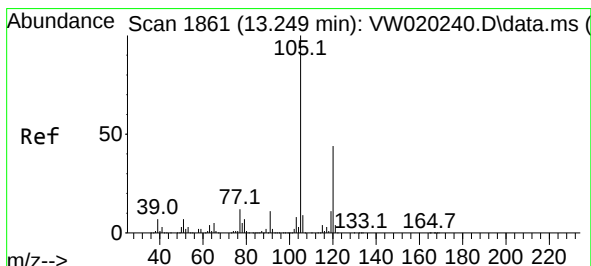
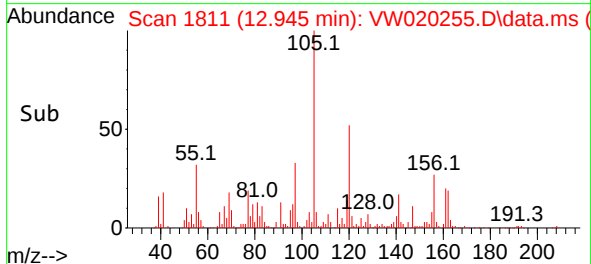
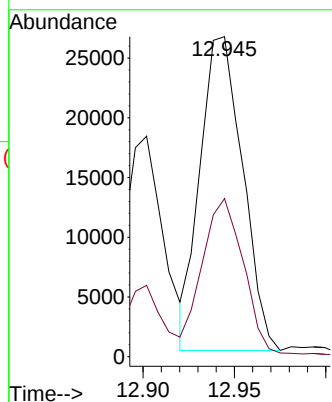
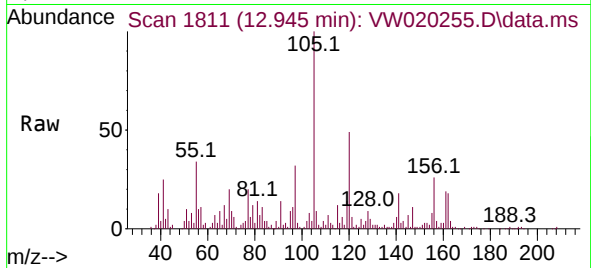




#62
1,3,5-Trimethylbenzene
Concen: 3.056 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

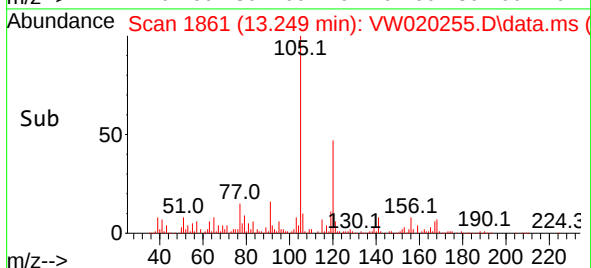
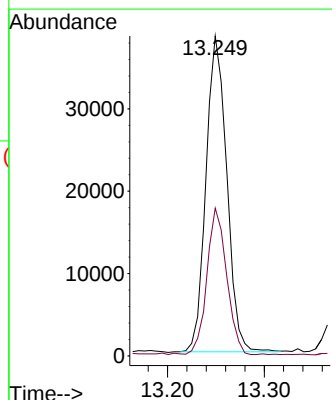
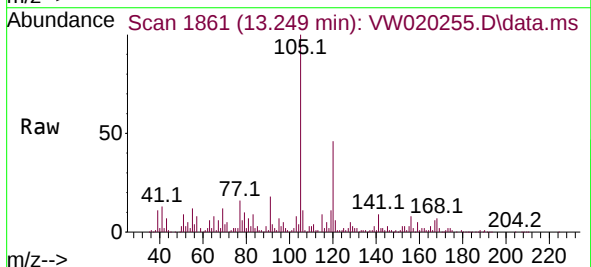
Instrument :
MSVOA_W
ClientSampleId :

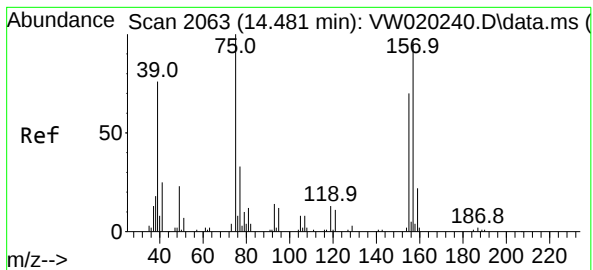
Tgt Ion:105 Resp: 42555
Ion Ratio Lower Upper
105 100
120 47.7 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 4.193 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

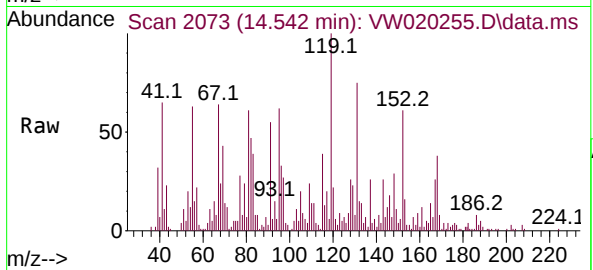
Tgt Ion:105 Resp: 57363
Ion Ratio Lower Upper
105 100
120 44.4 36.2 54.4





#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.043 ug/L
 RT: 14.542 min Scan# 2073
 Delta R.T. 0.061 min
 Lab File: VW020255.D
 Acq: 30 Sep 2021 01:54

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 1096
 Ion Ratio Lower Upper
 75 100
 155 60.9 58.5 87.7
 157 121.0 77.4 116.0#

