

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020314.D
 Acq On : 06 Oct 2021 14:12
 Operator : SY/VA
 Sample : M3974-01
 Misc : 5.14g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Y7

Manual Integrations
 APPROVED

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 10/11/2021 2:06:10 PM

Quant Time: Oct 07 01:52:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 01:49:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	259623	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	211490	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	72153	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	51673	14.441	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	57.760%		
7) Chloroethane-d5	2.885	69	27609	17.807	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	71.240%		
11) 1,1-Dichloroethene-d2	4.013	63	82629	11.214	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	44.840%#		
21) 2-Butanone-d5	7.086	46	16083	17.694	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	35.380%		
24) Chloroform-d	7.653	84	168583	22.614	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	90.440%		
26) 1,2-Dichloroethane-d4	8.311	65	99960	24.501	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.000%		
32) Benzene-d6	8.275	84	310762	24.269	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	97.080%		
36) 1,2-Dichloropropane-d6	9.274	67	111796	27.525	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	110.120%		
41) Toluene-d8	10.323	98	242853	20.940	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	83.760%		
43) trans-1,3-Dichloroprop...	10.579	79	24647	14.914	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	59.640%		
47) 2-Hexanone-d5	10.926	63	11892	21.184	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	42.360%		
56) 1,1,2,2-Tetrachloroeth...	12.688	84	68578	24.192	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	96.760%		
66) 1,2-Dichlorobenzene-d4	13.853	152	52438	20.755	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	83.000%		
Target Compounds					Qvalue	
13) Acetone	4.141	43	7106	7.604	ug/L	94
14) Carbon disulfide	4.385	76	3938	0.332	ug/L	97
15) Methyl Acetate	4.684	43	2146	1.257	ug/L	93
16) Methylene chloride	4.921	84	8089	1.745	ug/L	89
20) cis-1,2-Dichloroethene	7.171	96	11014	2.848	ug/L	92
29) Cyclohexane	7.951	56	14775	2.350	ug/L	89
34) Trichloroethene	9.098	95	6003	1.659	ug/L	94
35) Methylcyclohexane	9.335	83	57844	9.165	ug/L #	86
42) Toluene	10.390	91	9882	0.668	ug/L	99
46) Tetrachloroethene	10.866	164	2494	0.937	ug/L	86
52) Ethylbenzene	11.731	91	6601	0.409	ug/L	91
53) m,p-Xylene	11.841	106	3729	0.625	ug/L	99
54) o-Xylene	12.164	106	17171	3.074	ug/L	94
60) Isopropylbenzene	12.463	105	35543m	3.318	ug/L	
62) 1,3,5-Trimethylbenzene	12.944	105	21044	2.428	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	63507	7.332	ug/L	97

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

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Manual Integrations
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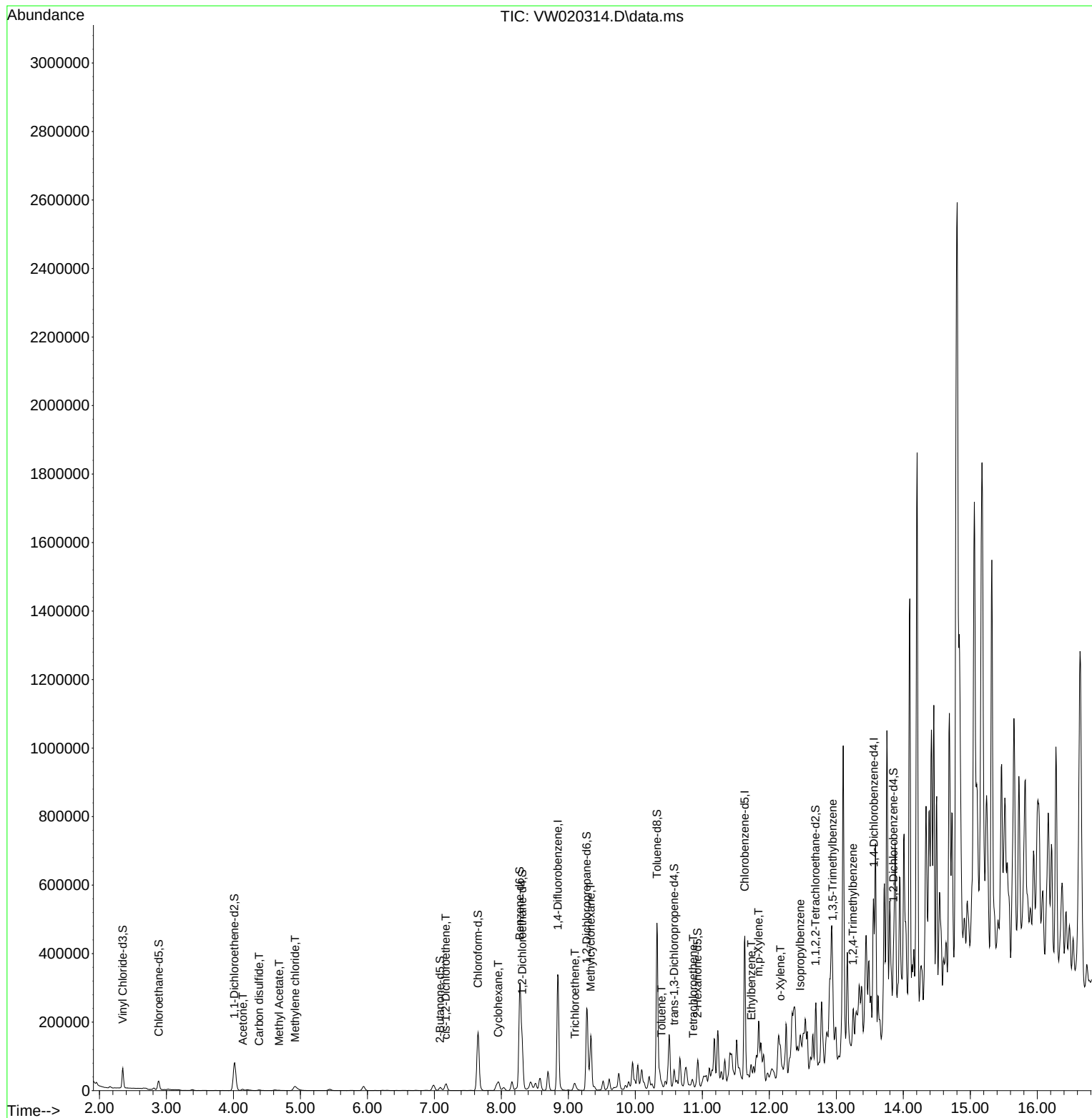
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
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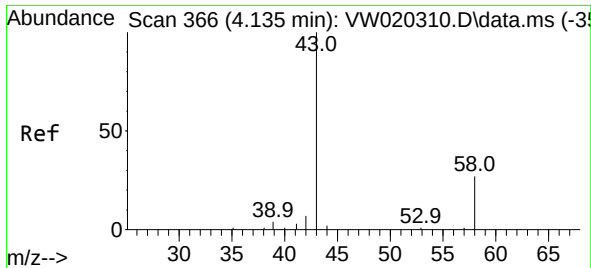
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Manual Integrations
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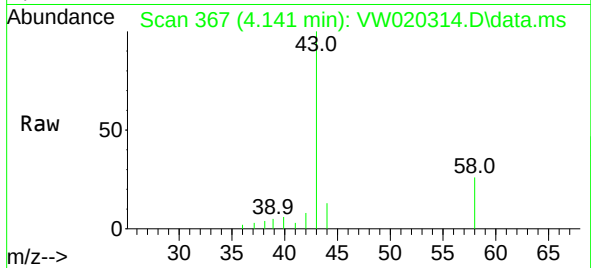
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Quant Time: Oct 07 01:52:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 07 01:49:38 2021
Response via : Initial Calibration

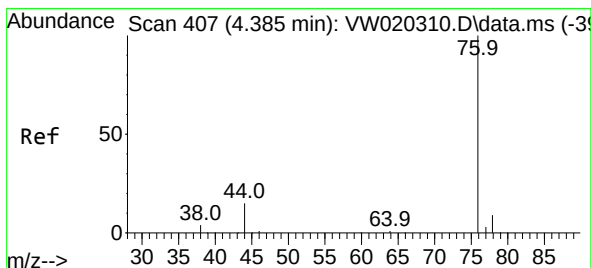
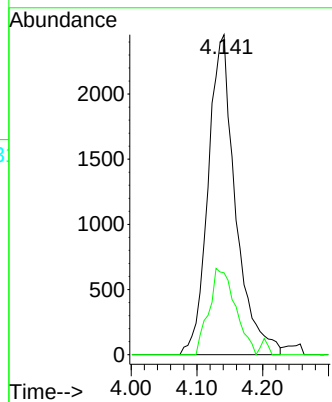
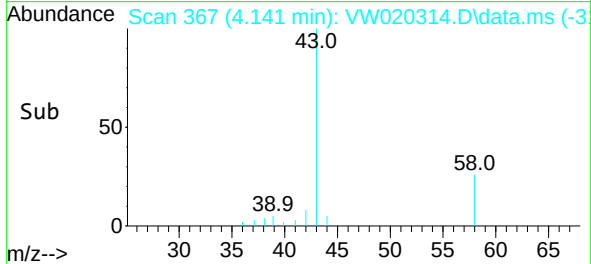




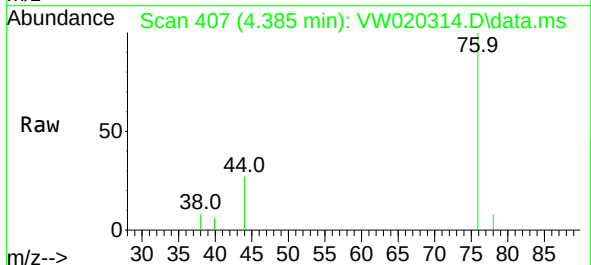
#13
Acetone
Concen: 7.604 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12



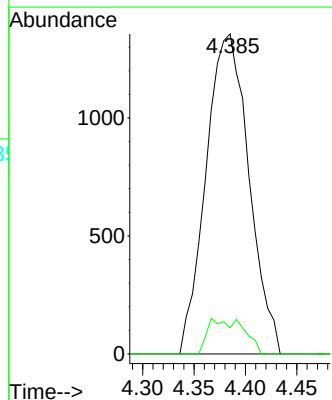
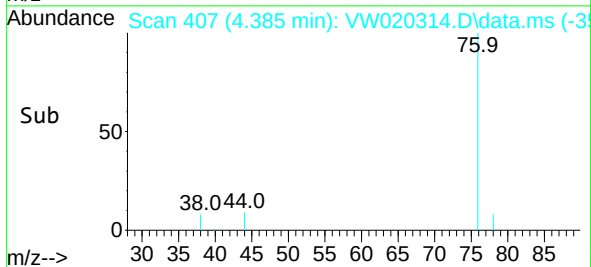
Tgt Ion: 43 Resp: 7106
Ion Ratio Lower Upper
43 100
58 25.9 0.0 58.4



#14
Carbon disulfide
Concen: 0.332 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12



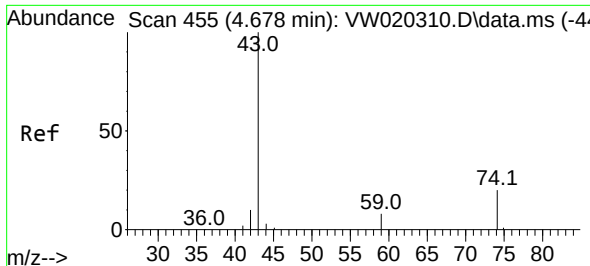
Tgt Ion: 76 Resp: 3938
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.2



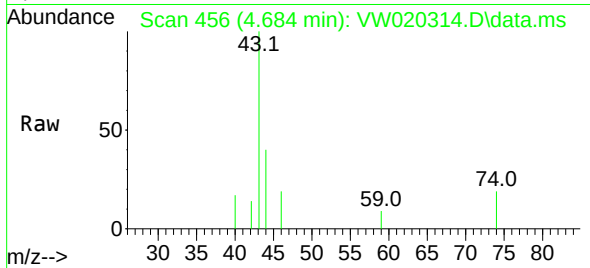
Instrument :
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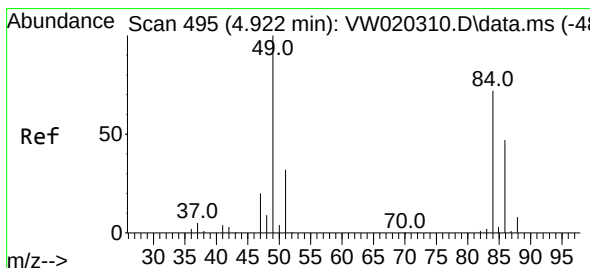
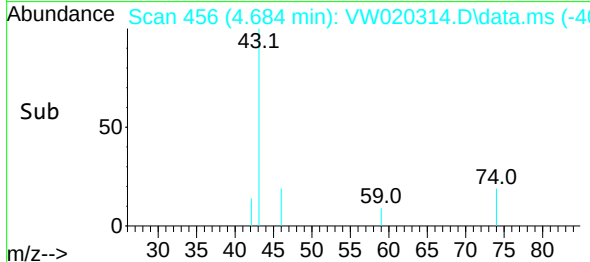
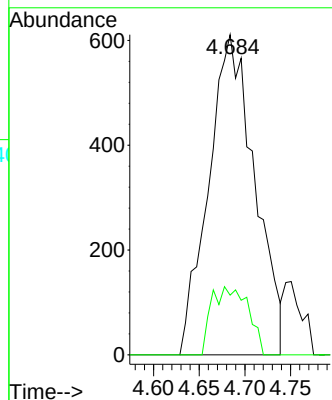
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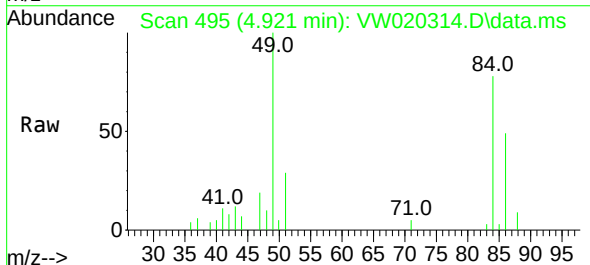
#15
Methyl Acetate
Concen: 1.257 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12



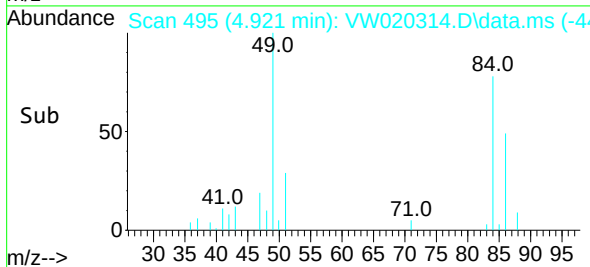
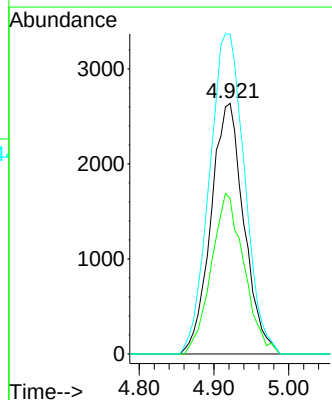
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
74 16.8 16.1 24.1



#16
Methylene chloride
Concen: 1.745 ug/L
RT: 4.921 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12



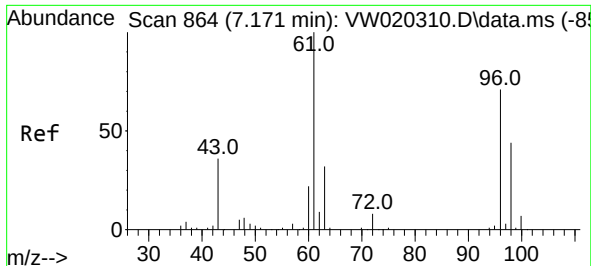
Tgt Ion: 84 Resp: 8089
Ion Ratio Lower Upper
84 100
86 62.0 44.7 83.1
49 127.6 101.7 188.9



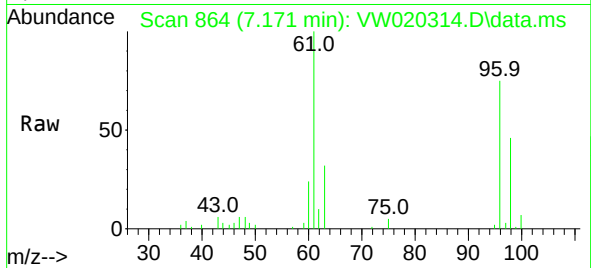
Instrument :
MSVOA_W
ClientSampled :
EW8Y7

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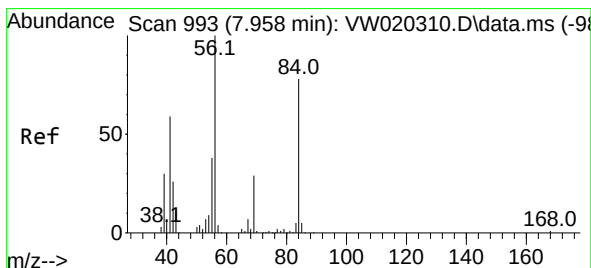
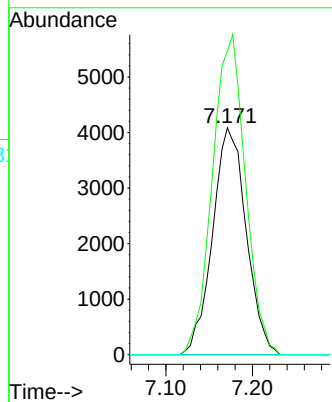
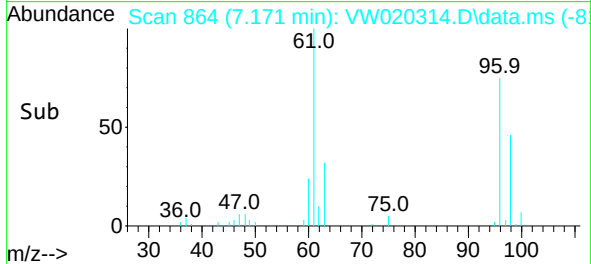


#20
 cis-1,2-Dichloroethene
 Concen: 2.848 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VW020314.D
 Acq: 06 Oct 2021 14:12

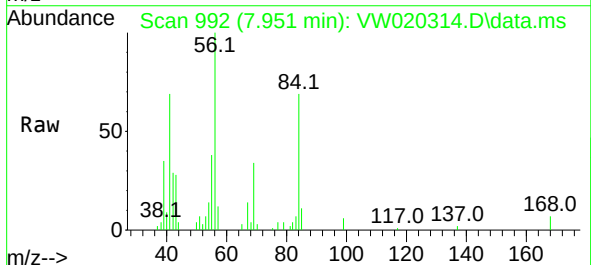


Tgt Ion: 96 Resp: 11014

Ion	Ratio	Lower	Upper
96	100		
61	133.8	100.3	186.3
68	0.0	0.0	0.0

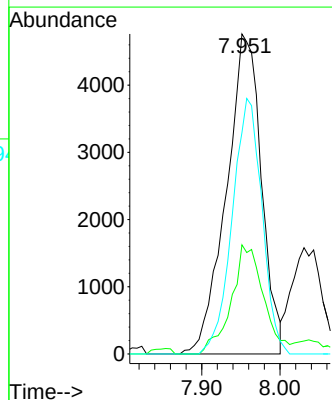
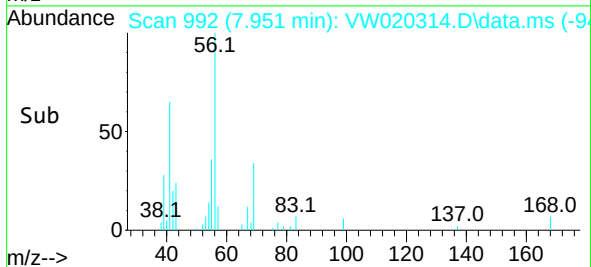


#29
 Cyclohexane
 Concen: 2.350 ug/L
 RT: 7.951 min Scan# 992
 Delta R.T. -0.006 min
 Lab File: VW020314.D
 Acq: 06 Oct 2021 14:12



Tgt Ion: 56 Resp: 14775

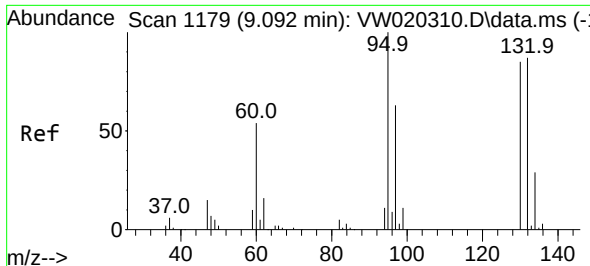
Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.2	34.8
84	67.8	63.7	95.5



Instrument :
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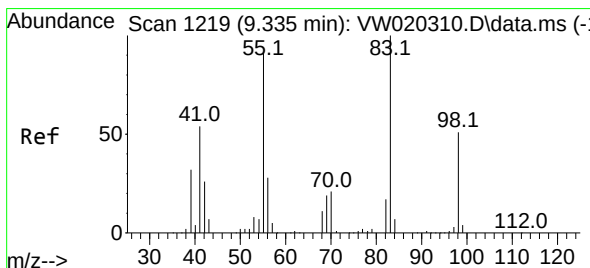
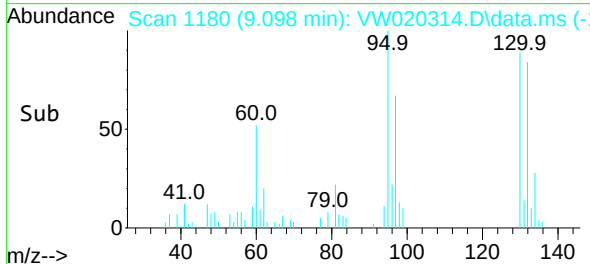
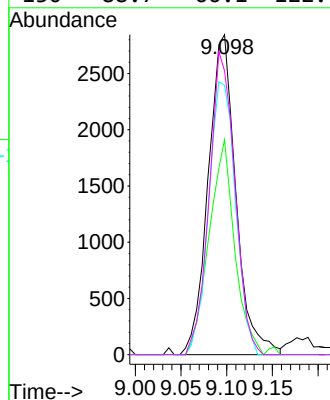
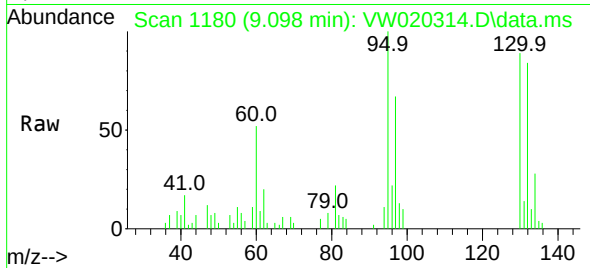
#34
Trichloroethene
Concen: 1.659 ug/L
RT: 9.098 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion: 95	Resp: 6003
Ion Ratio	Lower Upper
95 100	
97 67.1	43.2 80.2
132 84.1	62.3 115.7
130 88.7	66.1 122.7

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

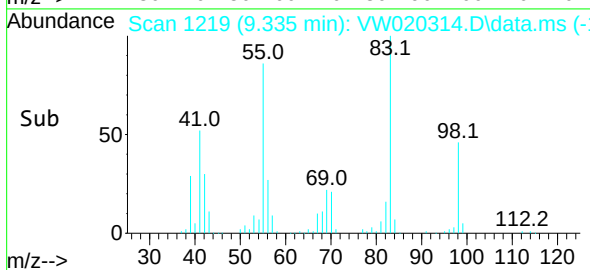
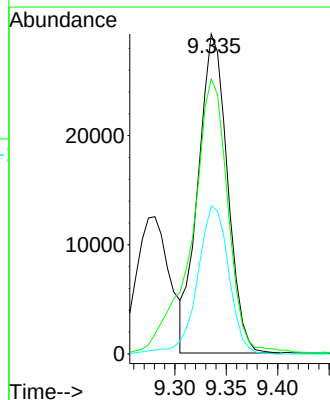
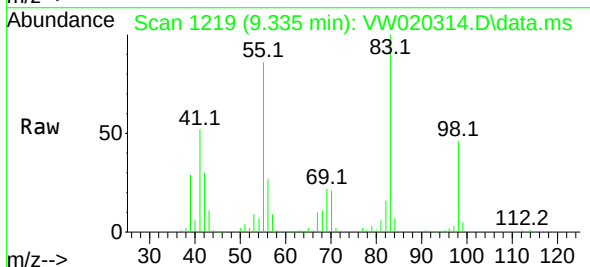
Manual Integrations
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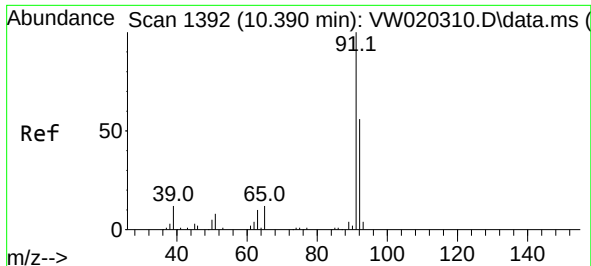
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#35
Methylcyclohexane
Concen: 9.165 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

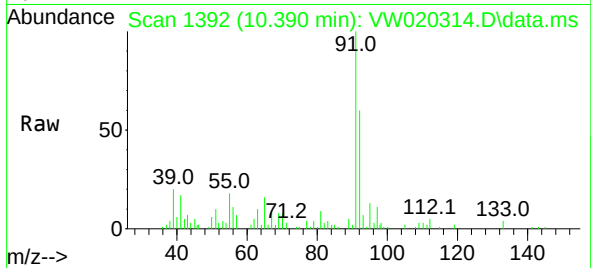
Tgt Ion: 83	Resp: 57844
Ion Ratio	Lower Upper
83 100	
55 105.5	69.7 104.5#
98 50.0	38.2 57.2



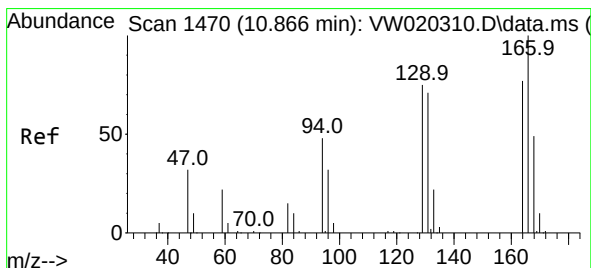
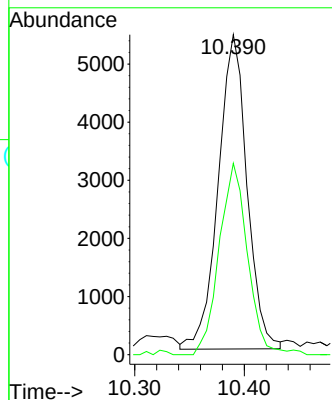
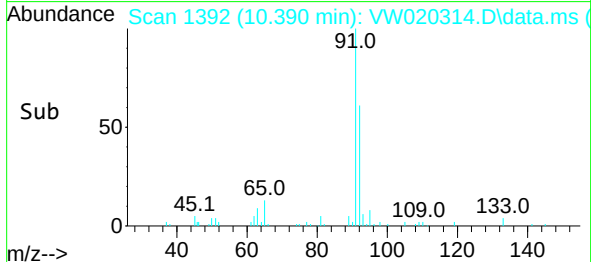


#42
Toluene
Concen: 0.668 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

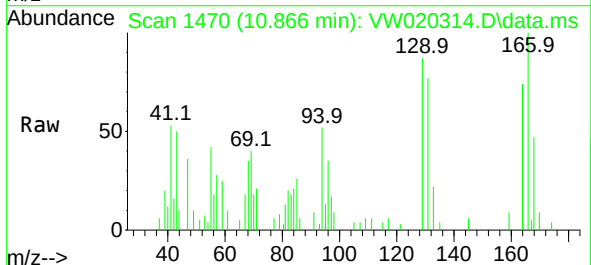
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7



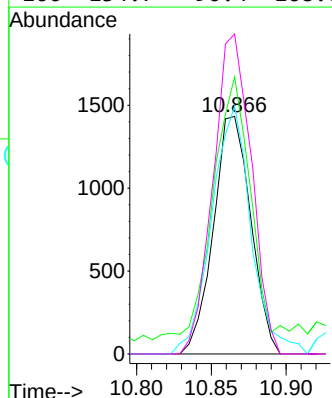
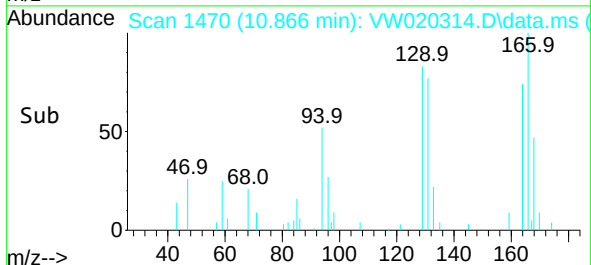
Tgt Ion: 91 Resp: 9882
Ion Ratio Lower Upper
91 100
92 59.8 41.5 77.1

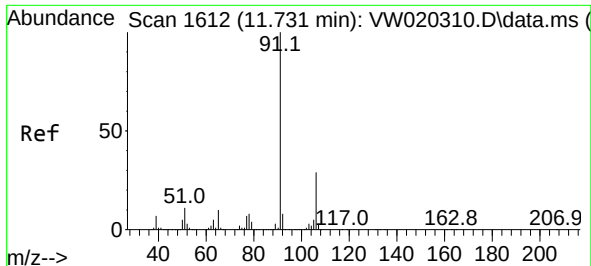


#46
Tetrachloroethene
Concen: 0.937 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12



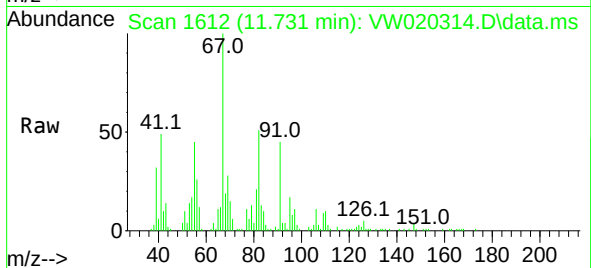
Tgt Ion: 164 Resp: 2494
Ion Ratio Lower Upper
164 100
129 116.5 69.1 128.3
131 104.3 58.3 108.3
166 134.7 90.4 168.0





#52
Ethylbenzene
Concen: 0.409 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

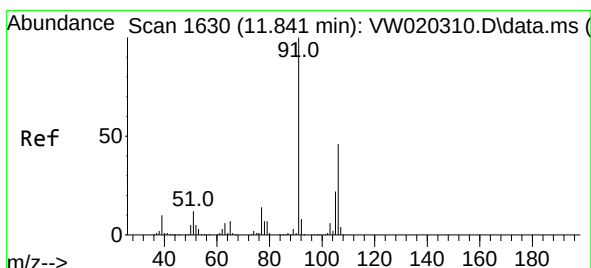
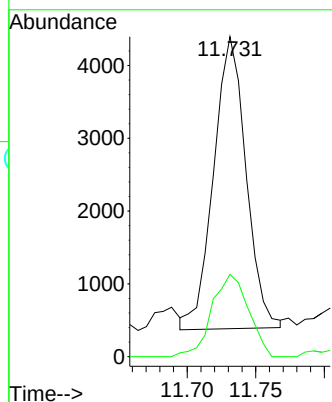
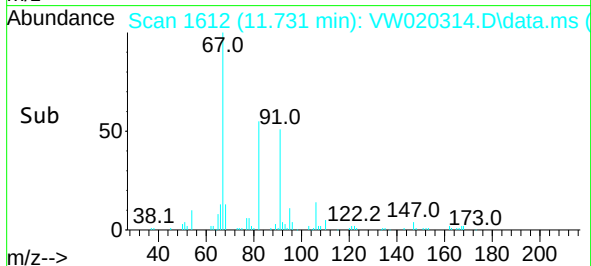
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7



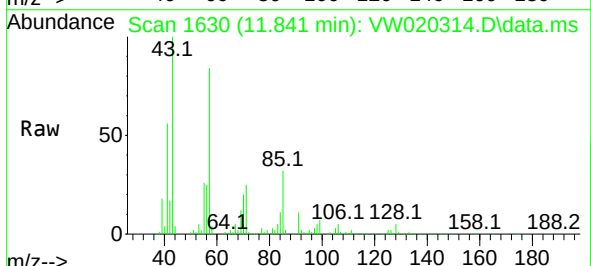
Tgt Ion: 91 Resp: 6601
Ion Ratio Lower Upper
91 100
106 25.7 21.3 39.5

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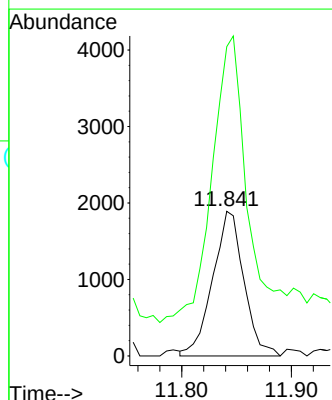
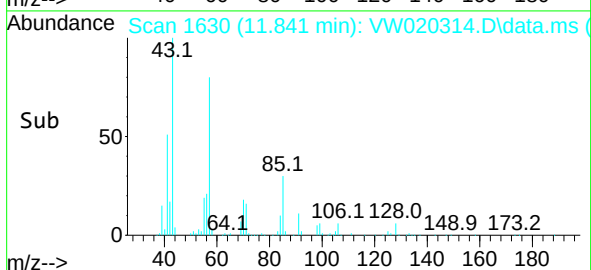
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10/11/2021 2:06:10 PM

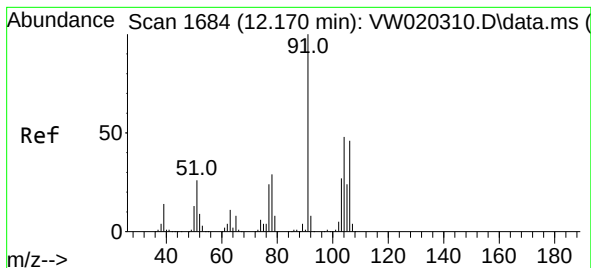


#53
m,p-Xylene
Concen: 0.625 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12



Tgt Ion: 106 Resp: 3729
Ion Ratio Lower Upper
106 100
91 213.8 148.2 275.2





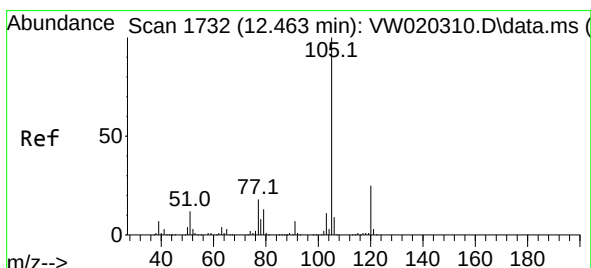
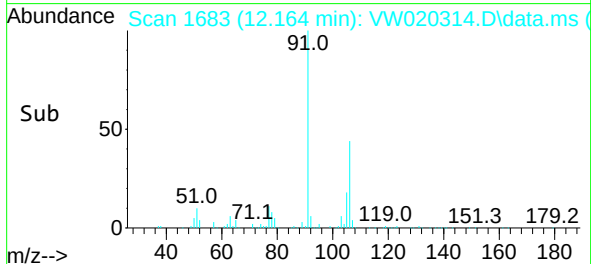
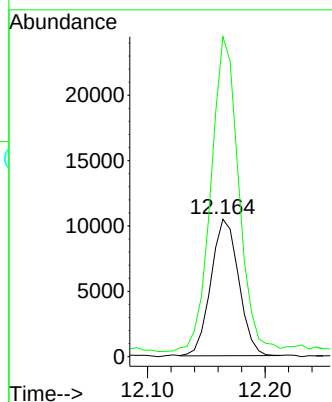
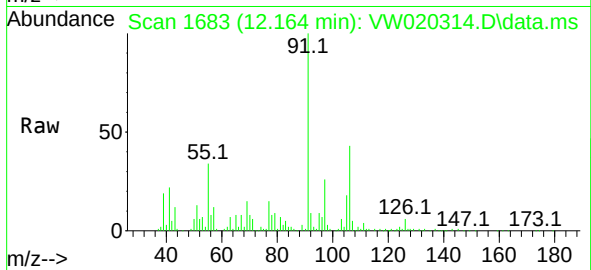
#54
o-Xylene
Concen: 3.074 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.006 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion:106 Resp: 17171
Ion Ratio Lower Upper
106 100
91 232.9 156.1 289.9

Instrument :
MSVOA_W
ClientSampled :
EW8Y7

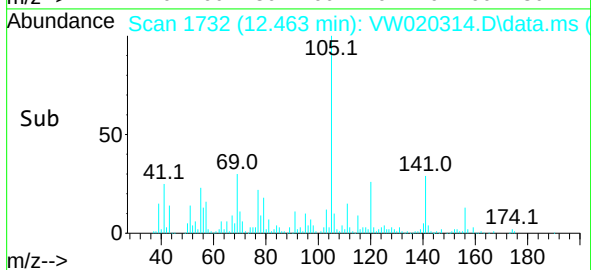
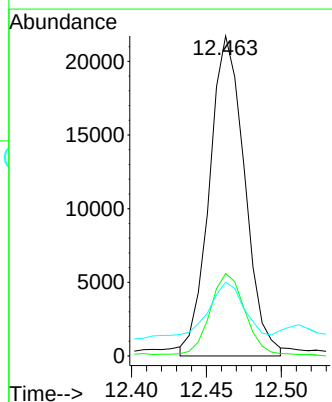
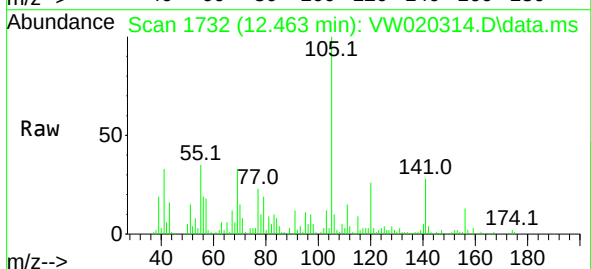
Manual Integrations
APPROVED

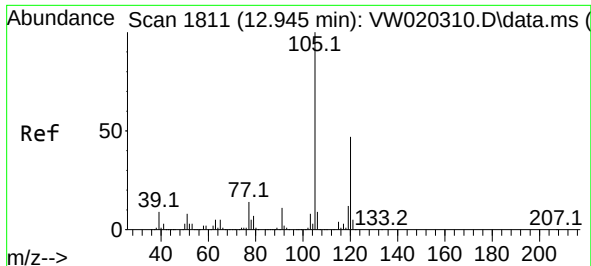
MMDadoda
10/11/2021 2:06:10 PM



#60
Isopropylbenzene
Concen: 3.318 ug/L m
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

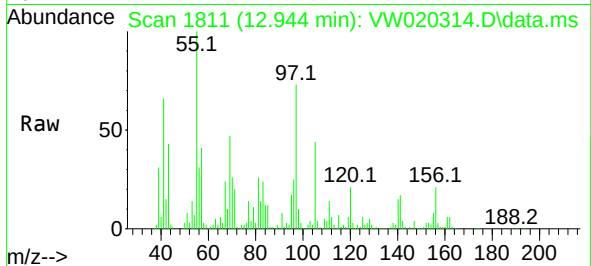
Tgt Ion:105 Resp: 35543
Ion Ratio Lower Upper
105 100
120 82.3 20.3 30.5#
77 54.9 13.8 20.6#





#62
1,3,5-Trimethylbenzene
Concen: 2.428 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

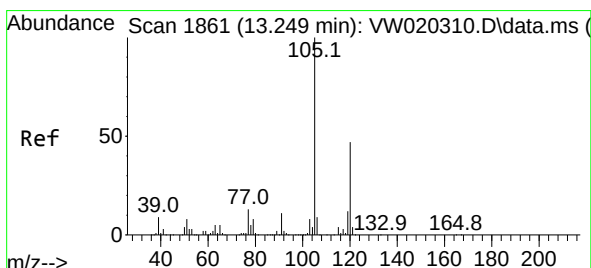
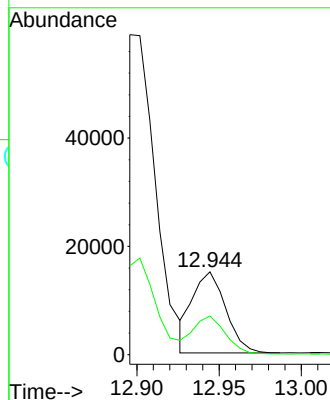
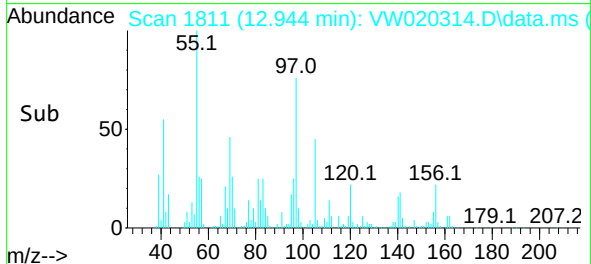
Instrument :
MSVOA_W
ClientSampled :
EW8Y7



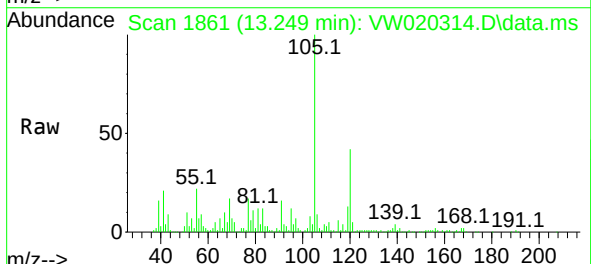
Tgt Ion:105 Resp: 21044
Ion Ratio Lower Upper
105 100
120 45.3 37.9 56.9

Manual Integrations
APPROVED

MMDadoda
10/11/2021 2:06:10 PM



#63
1,2,4-Trimethylbenzene
Concen: 7.332 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12



Tgt Ion:105 Resp: 63507
Ion Ratio Lower Upper
105 100
120 42.1 35.4 53.2

