Quantitation Report (LSC Reviewed)

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

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

Instrument : MSVOA_W
ClientSampleId : EW8Z3

Manual Integrations APPROVED
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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						Qvalue
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
35) Methylcyclohexane	9.342	83	33132m	4.139	ug/L	
42) Toluene	10.390	91	18375	0.942	ug/L	96
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

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

Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

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

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

Quantitation Report (LSC Reviewed)

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Manual Integrations APPROVED
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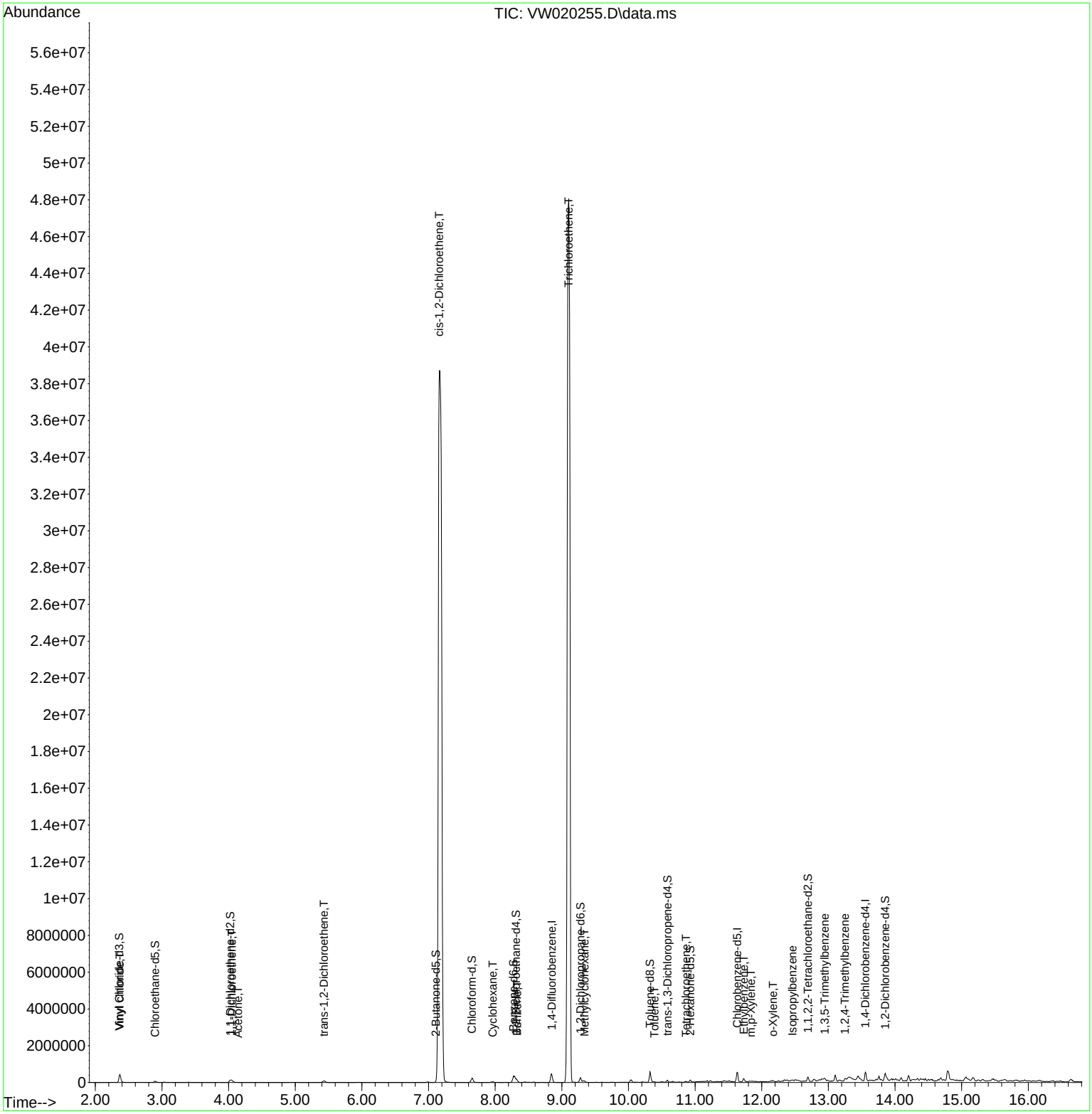
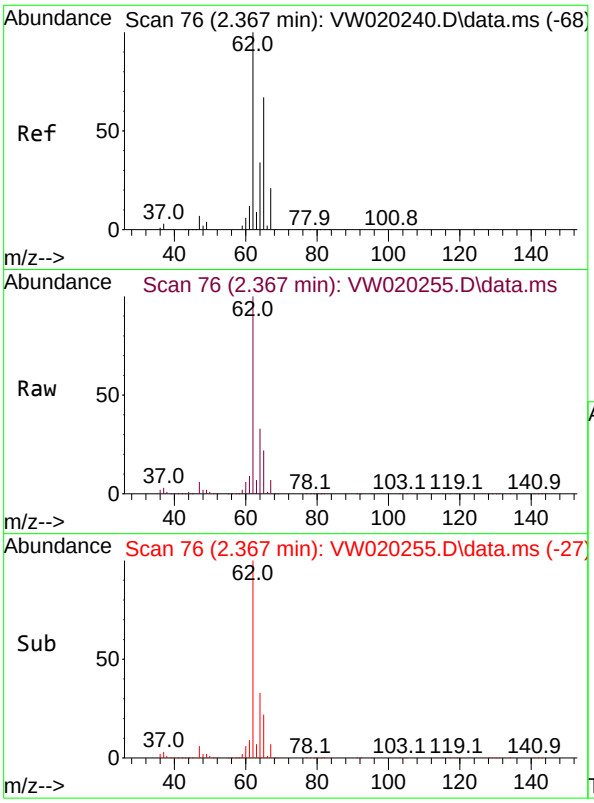
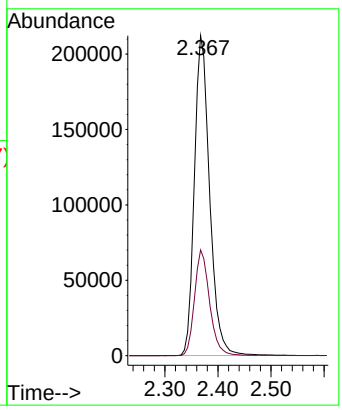




#5
Vinyl chloride
Concen: 57.953 ug/L
RT: 2.367 min Scan# 76
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion: 62 Resp: 423931

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	45.5



Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

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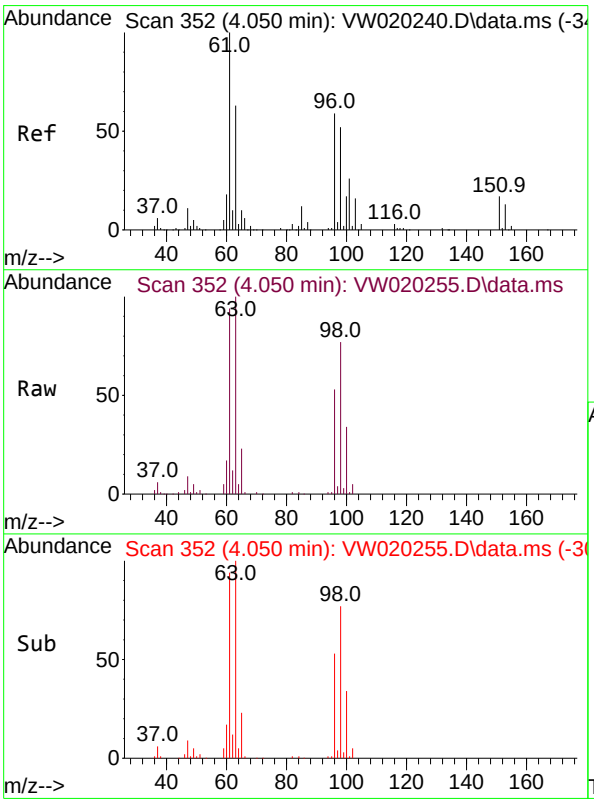
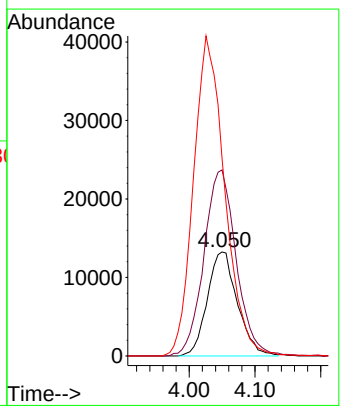


#12
1,1-Dichloroethene
Concen: 8.269 ug/L
RT: 4.050 min Scan# 352
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

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



Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

Manual Integrations APPROVED
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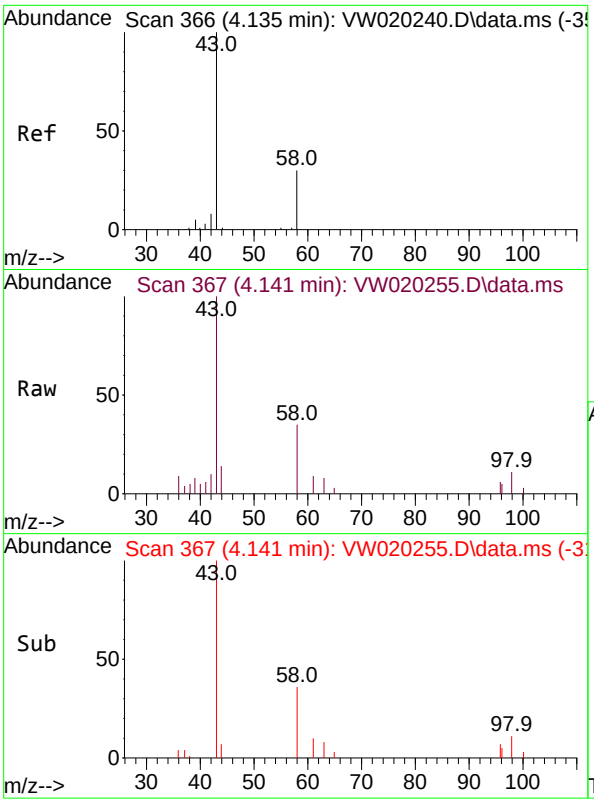
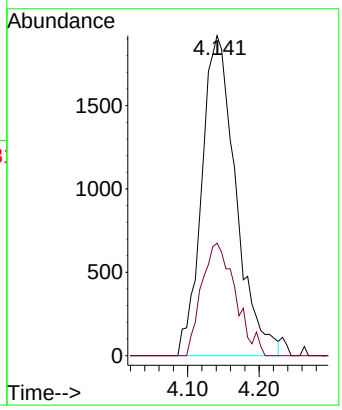
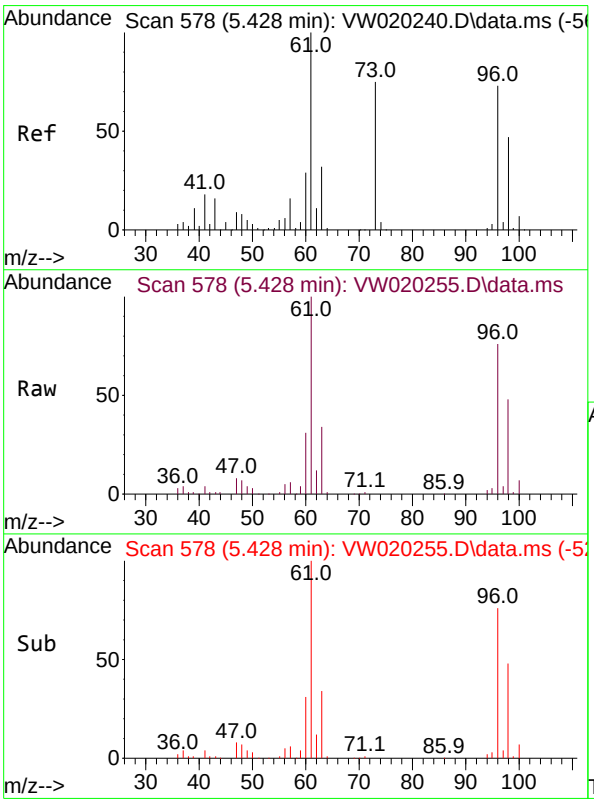


#13
Acetone
Concen: 6.102 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion: 43 Resp: 6346

Ion	Ratio	Lower	Upper
43	100		
58	33.7	0.0	61.6

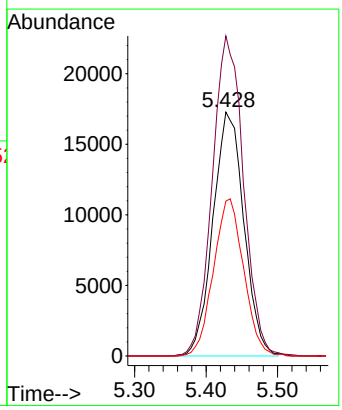




#17
trans-1,2-Dichloroethene
Concen: 9.666 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

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



Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

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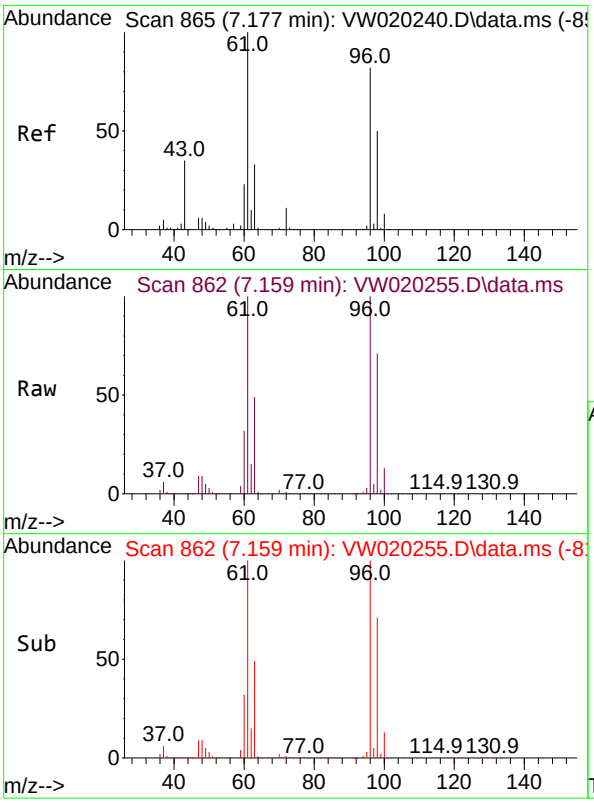
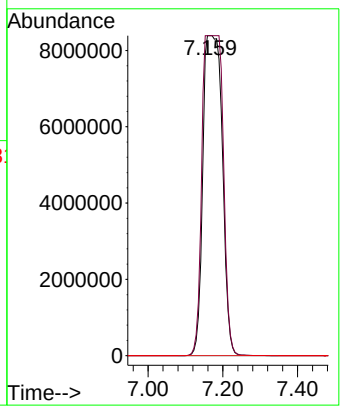
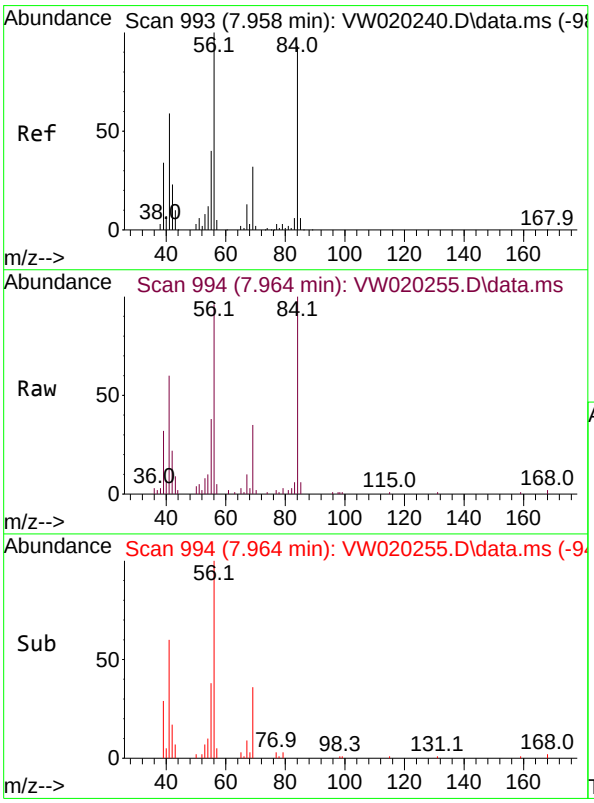


#20
cis-1,2-Dichloroethene
Concen: 5497.874 ug/L
RT: 7.159 min Scan# 862
Delta R.T. -0.018 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

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

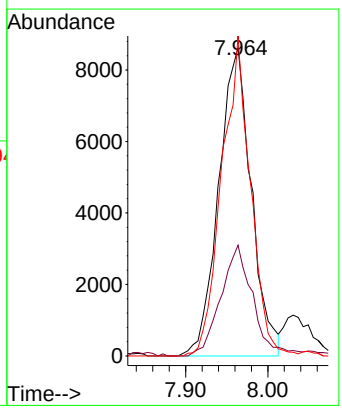


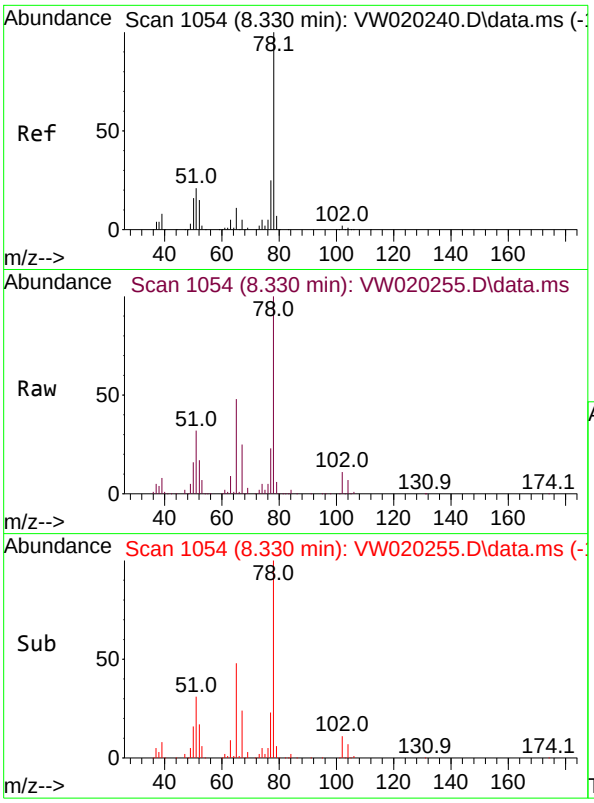


#29
Cyclohexane
Concen: 3.512 ug/L
RT: 7.964 min Scan# 994
Delta R.T. 0.006 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion: 56 Resp: 23764

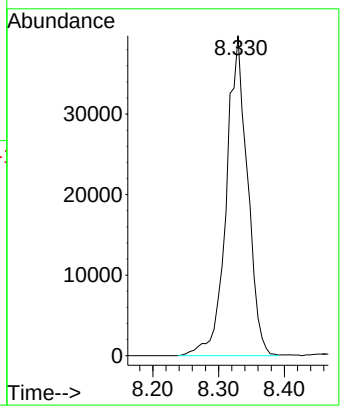
Ion	Ratio	Lower	Upper
56	100		
69	35.3	25.7	38.5
84	91.4	73.4	110.2

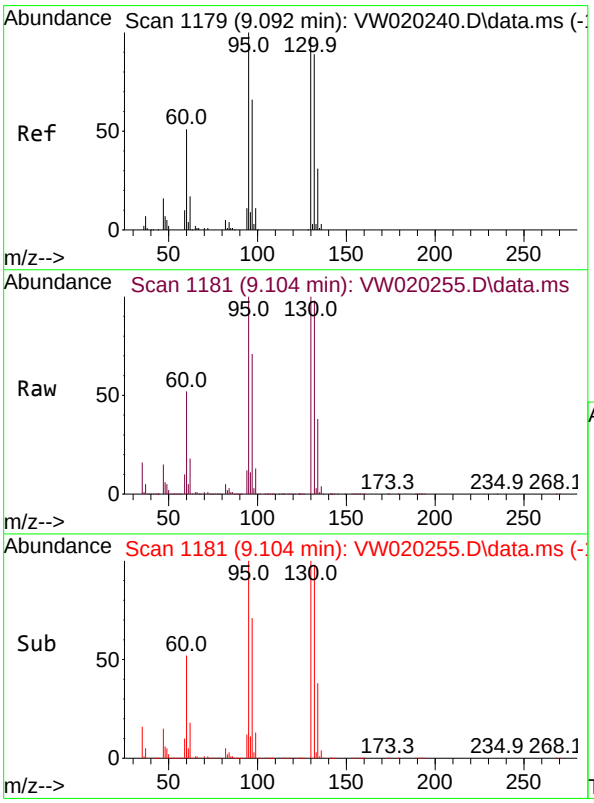




#33
Benzene
Concen: 4.861 ug/L
RT: 8.330 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion: 78 Resp: 89215

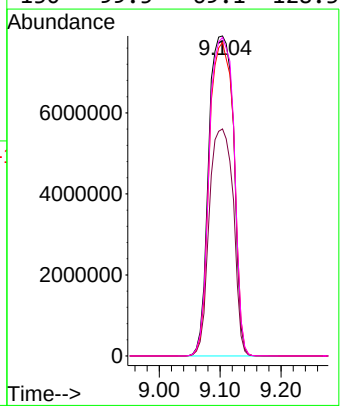




#34
Trichloroethene
Concen: 4524.856 ug/L
RT: 9.104 min Scan# 1181
Delta R.T. 0.012 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

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



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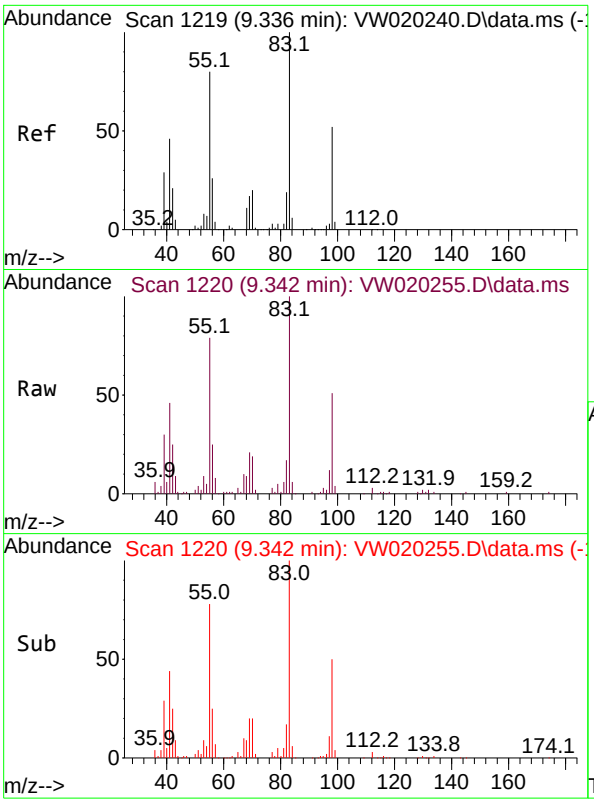
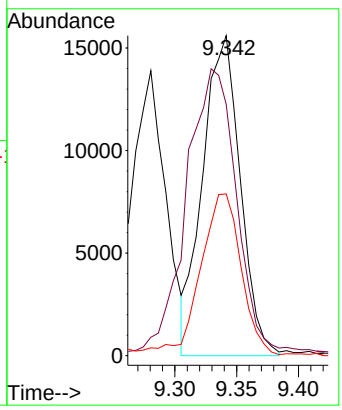


#35
Methylcyclohexane
Concen: 4.139 ug/L m
RT: 9.342 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion: 83 Resp: 33132

Ion	Ratio	Lower	Upper
83	100		
55	0.3	61.4	92.2#
98	0.2	38.1	57.1#



Instrument :
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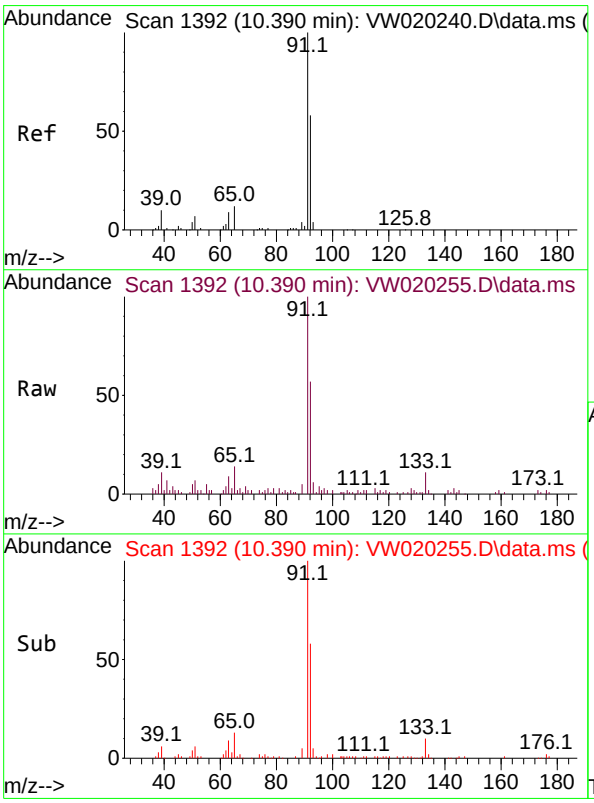
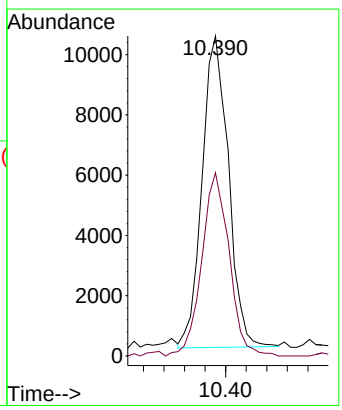
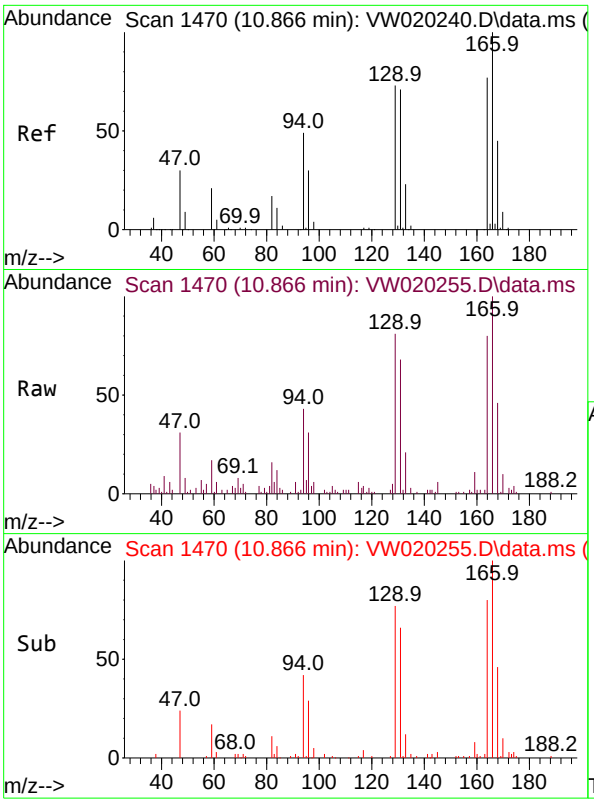


#42
Toluene
Concen: 0.942 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion: 91 Resp: 18375

Ion	Ratio	Lower	Upper
91	100		
92	57.3	42.2	78.4

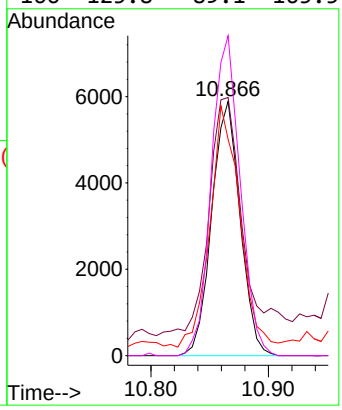


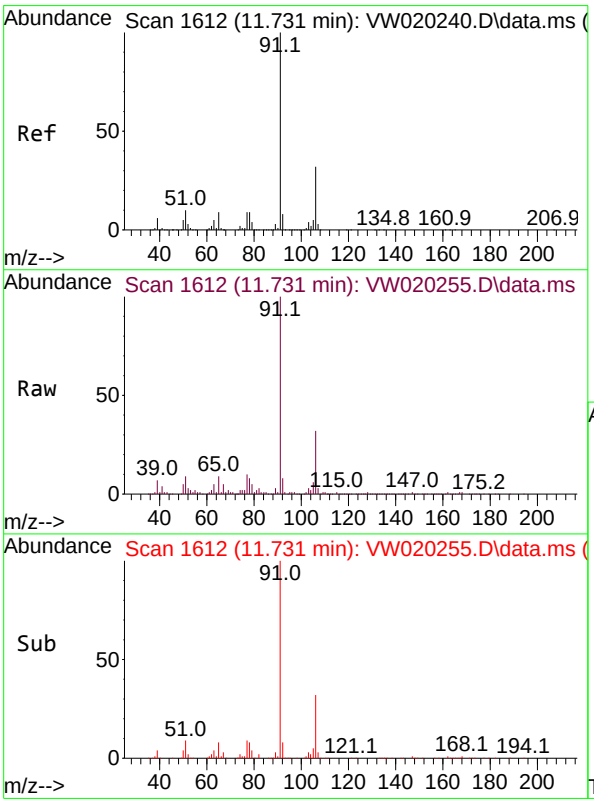


#46
Tetrachloroethene
Concen: 2.597 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

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

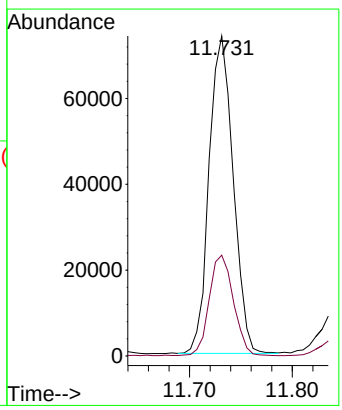




#52
Ethylbenzene
Concen: 5.619 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion: 91 Resp: 120688

Ion	Ratio	Lower	Upper
91	100		
106	31.5	22.0	40.8



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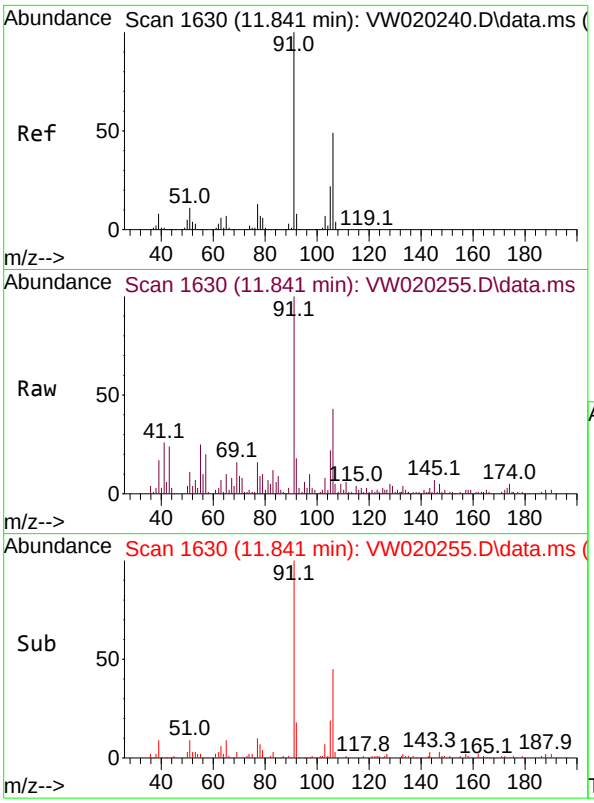
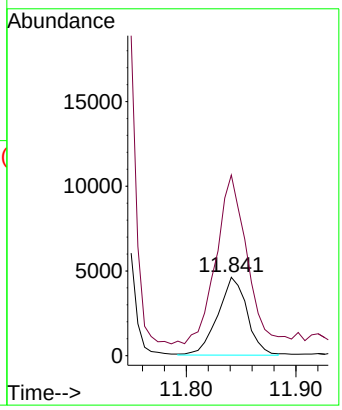


#53
m,p-Xylene
Concen: 1.041 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion:106 Resp: 8520

Ion	Ratio	Lower	Upper
106	100		
91	230.4	146.4	271.8



Instrument :
MSVOA_W
ClientSampleId :
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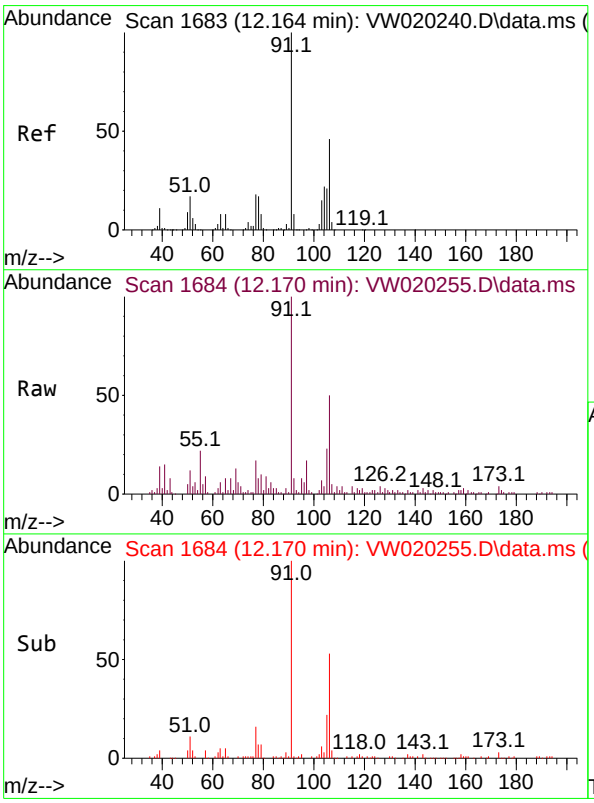
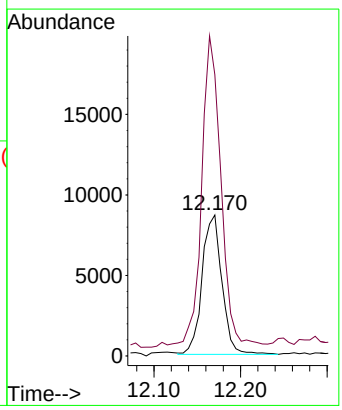
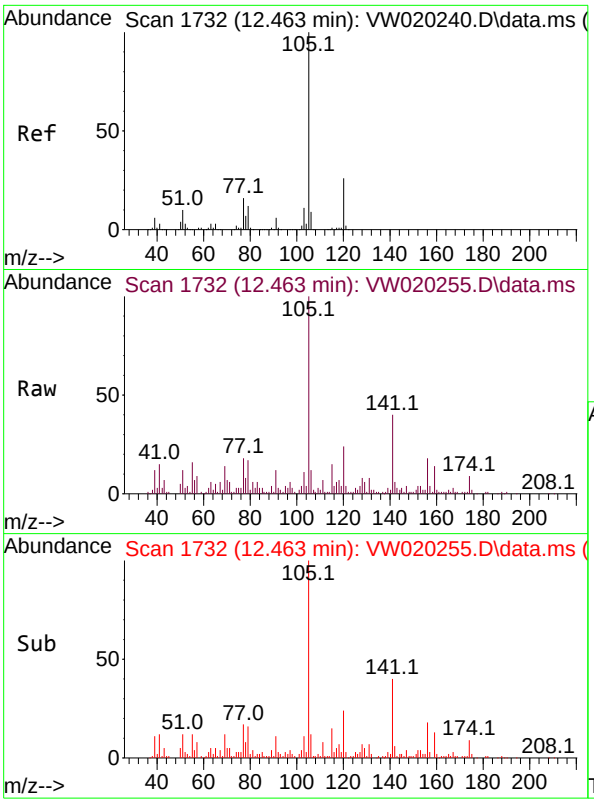


#54
o-Xylene
Concen: 1.824 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion:106 Resp: 13816

Ion	Ratio	Lower	Upper
106	100		
91	199.5	154.3	286.7

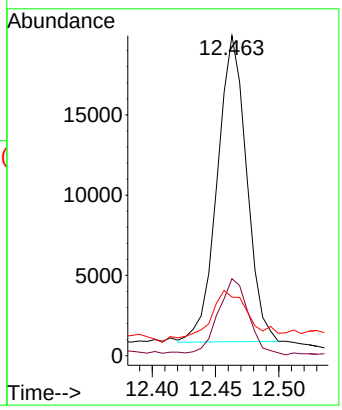




#60
Isopropylbenzene
Concen: 1.811 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

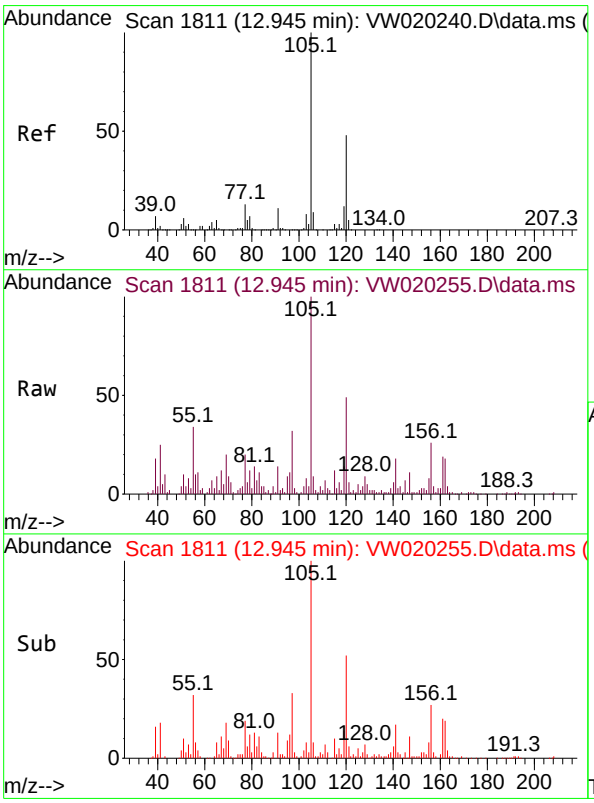
Tgt Ion:105 Resp: 30737

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.9	31.3
77	19.2	13.3	19.9



Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

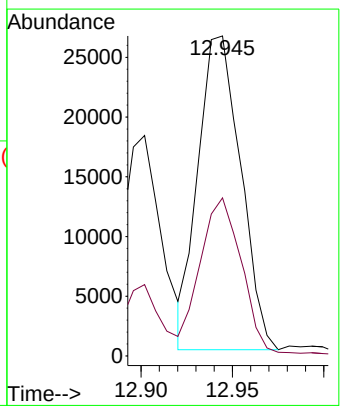
Manual Integrations APPROVED
MMDadoda
10/4/2021 3:18:48 PM

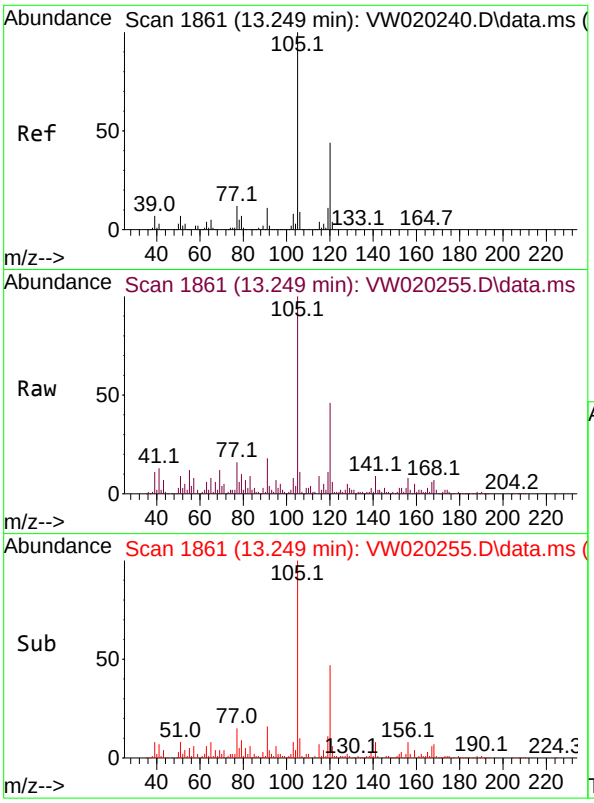


#62
1,3,5-Trimethylbenzene
Concen: 3.056 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion:105 Resp: 42555

Ion	Ratio	Lower	Upper
105	100		
120	47.7	38.0	57.0

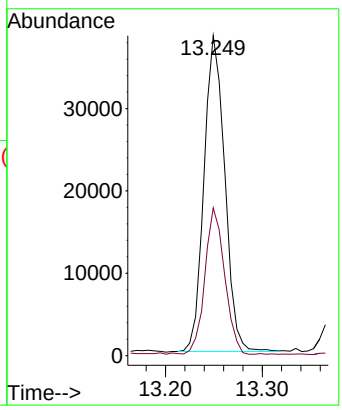




#63
1,2,4-Trimethylbenzene
Concen: 4.193 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020255.D
Acq: 30 Sep 2021 01:54

Tgt Ion:105 Resp: 57363

Ion	Ratio	Lower	Upper
105	100		
120	44.4	36.2	54.4



Instrument :
MSVOA_W
ClientSampleId :
EW8Z3

Manual Integrations APPROVED
MMDadoda
10/4/2021 3:18:48 PM