Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061824\
Data File : VU059320.D
Acq On : 18 Jun 2024 18:45
Operator : MD/SY
Sample : P2856-16
Misc : 5.19g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0SJ0

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/20/2024
Supervised By :Semsettin Yesilyurt 06/20/2024

Quant Time: Jun 19 05:37:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 19 05:32:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	166222	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	169048	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	86418	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	36356	36.530	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.060%		
7) Chloroethane-d5	1.872	69	21205	24.873	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery =	49.740%#		
11) 1,1-Dichloroethene-d2	2.534	63	50712m	25.815	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	51.620%#		
21) 2-Butanone-d5	4.628	46	72551	77.340	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	77.340%		
24) Chloroform-d	5.052	84	79025	39.886	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.780%		
26) 1,2-Dichloroethane-d4	5.692	65	53323	43.911	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.820%		
32) Benzene-d6	5.714	84	158748	40.915	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.840%		
36) 1,2-Dichloropropane-d6	6.682	67	53610	40.074	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	80.140%		
41) Toluene-d8	7.894	98	132607	40.261	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.520%		
43) trans-1,3-Dichloroprop...	8.177	79	20790	38.446	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.900%		
47) 2-Hexanone-d5	8.637	63	50012	80.843	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.840%		
56) 1,1,2,2-Tetrachloroeth...	10.756	84	88644	39.152	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	78.300%		
66) 1,2-Dichlorobenzene-d4	12.193	152	57824	44.837	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.680%		
Target Compounds						Qvalue
34) Trichloroethene	6.531	95	108513	72.600	ug/L	94
46) Tetrachloroethene	8.547	164	660813	663.747	ug/L	92
52) Ethylbenzene	9.566	91	147526	23.354	ug/L	90
53) m,p-Xylene	9.692	106	81473	35.093	ug/L	90
54) o-Xylene	10.100	106	16334	7.260	ug/L	99
62) 1,3,5-Trimethylbenzene	11.090	105	6939	1.575	ug/L	98
63) 1,2,4-Trimethylbenzene	11.470	105	21866	4.579	ug/L	100

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

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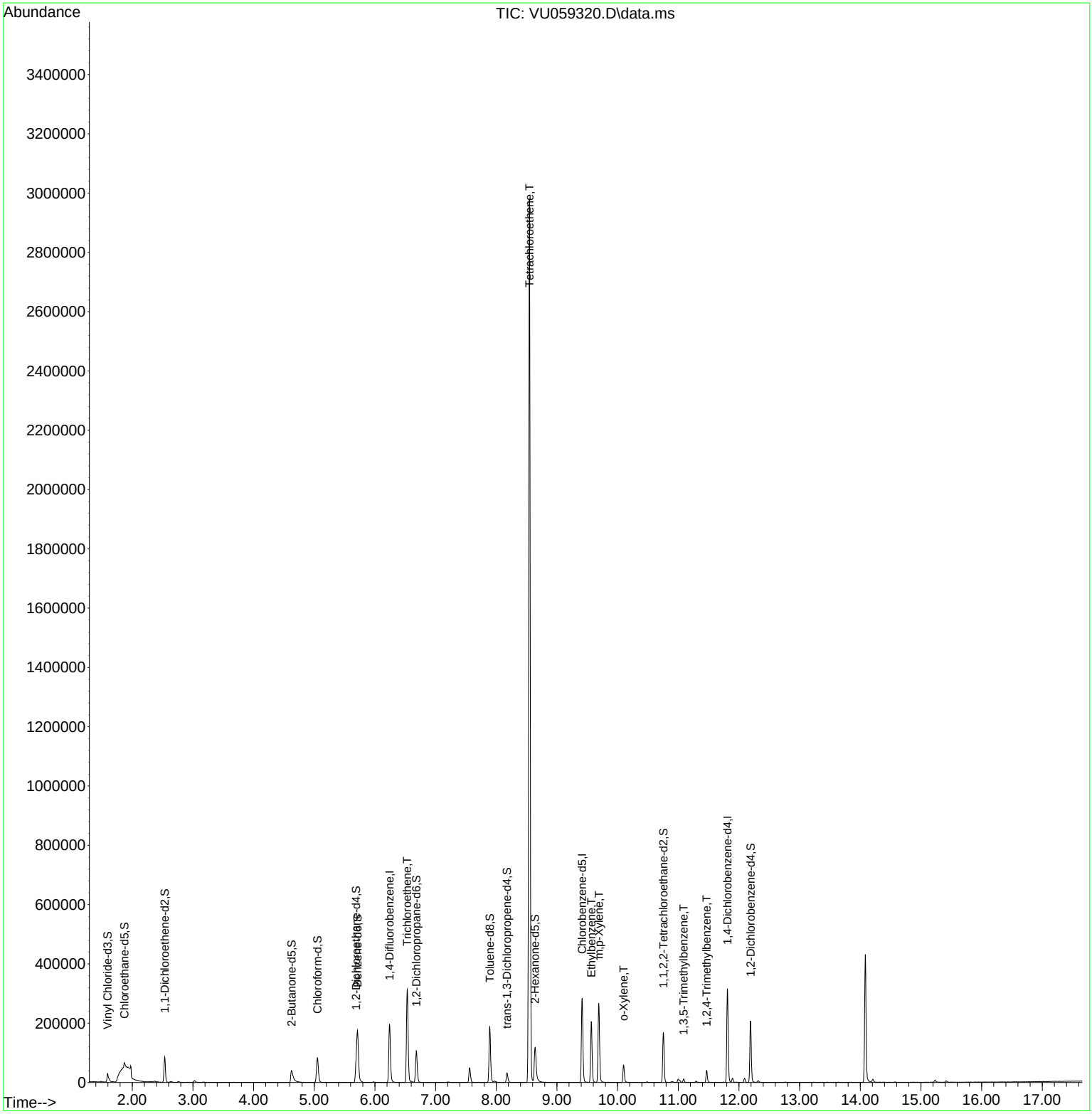
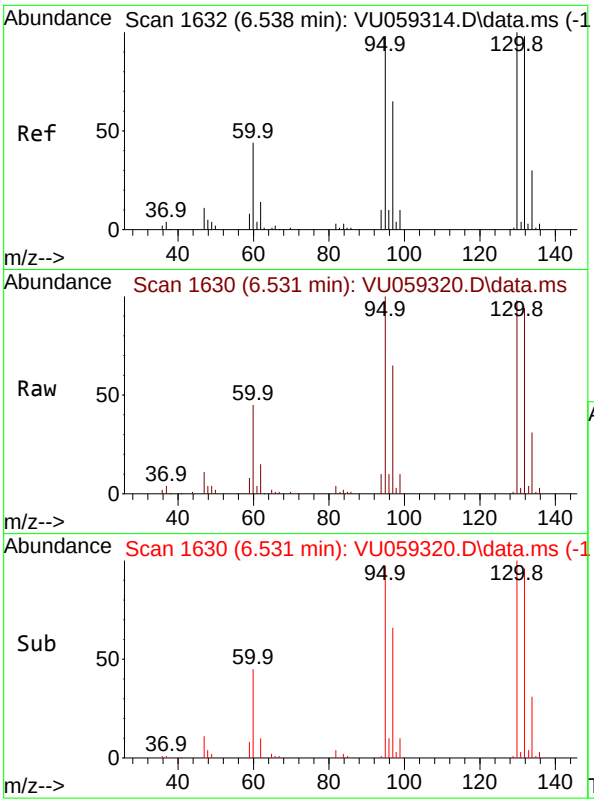
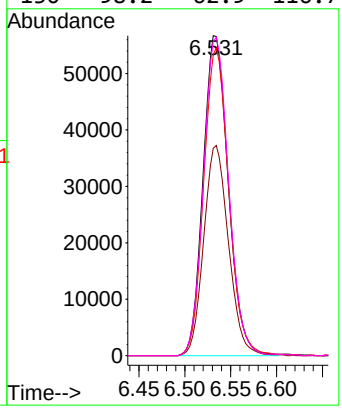




#34
Trichloroethene
Concen: 72.600 ug/L
RT: 6.531 min Scan# 1
Delta R.T. -0.007 min
Lab File: VU059320.D
Acq: 18 Jun 2024 18:45

Tgt Ion: 95 Resp: 10851

Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.2	84.0
132	94.1	60.6	112.6
130	98.2	62.9	116.7



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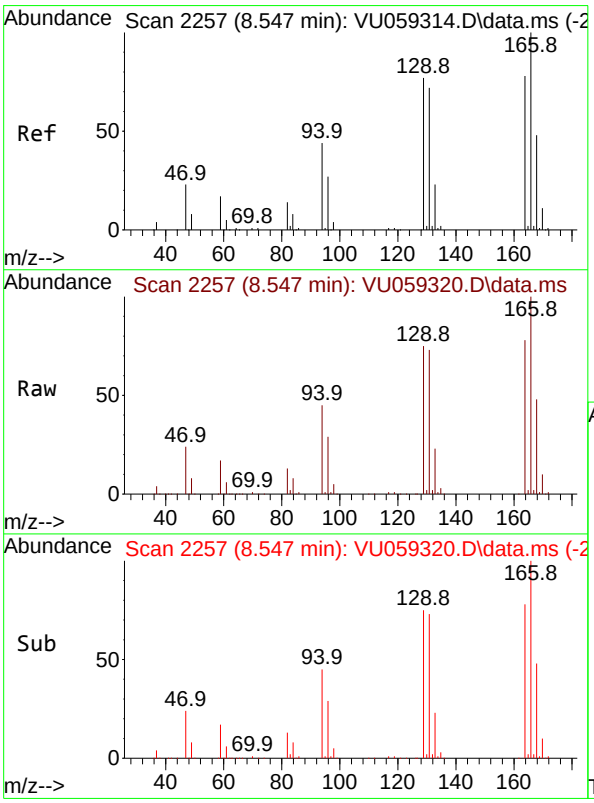
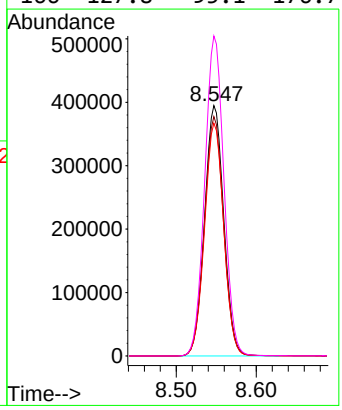
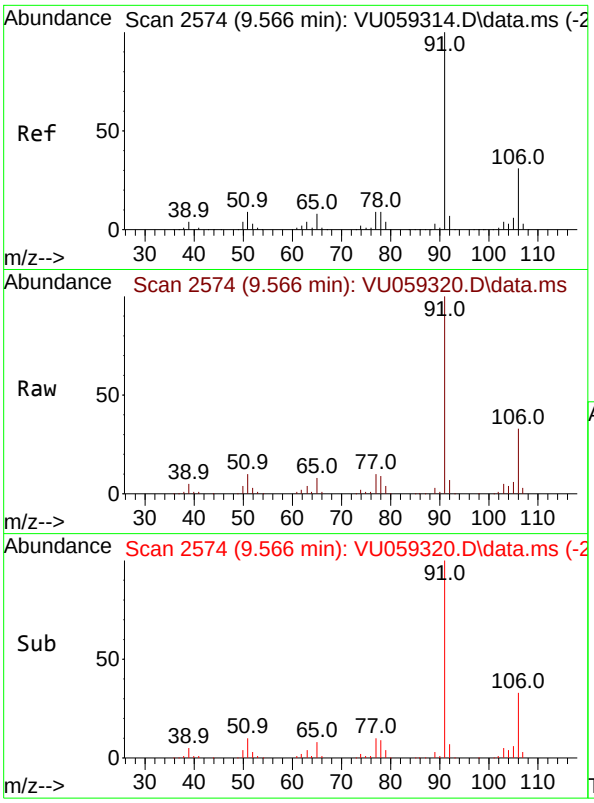


#46
Tetrachloroethene
Concen: 663.747 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU059320.D
Acq: 18 Jun 2024 18:45

Tgt Ion:164 Resp: 660813

Ion	Ratio	Lower	Upper
164	100		
129	95.5	74.5	138.5
131	93.0	70.6	131.0
166	127.8	95.1	176.7





#52
Ethylbenzene
Concen: 23.354 ug/L
RT: 9.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU059320.D
Acq: 18 Jun 2024 18:45

Tgt Ion: 91 Resp: 14752

Ion	Ratio	Lower	Upper
91	100		
106	35.3	21.0	39.0

Instrument :
MSVOA_U
ClientSampleId :
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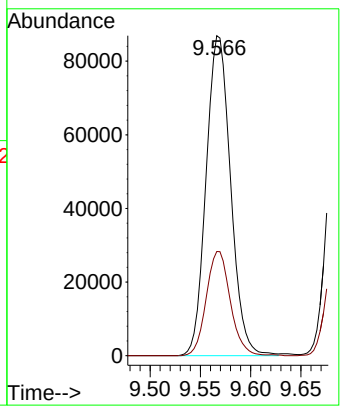
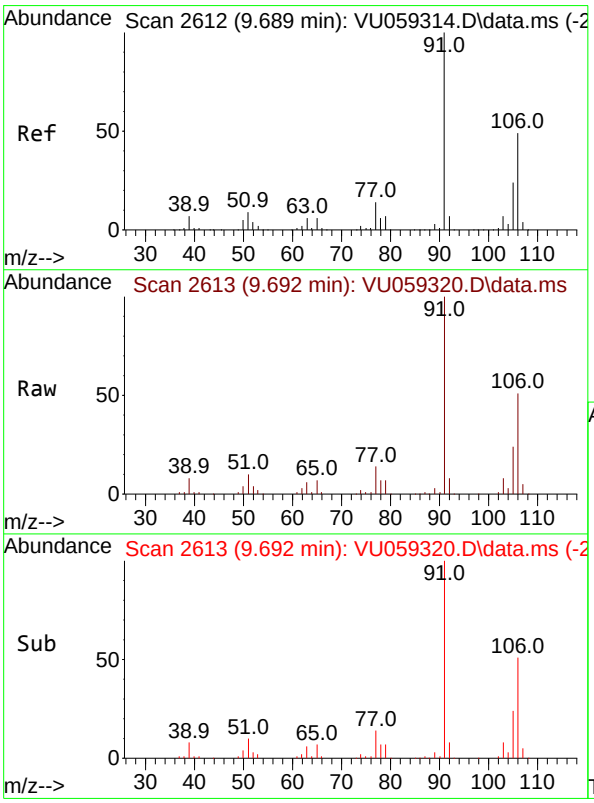
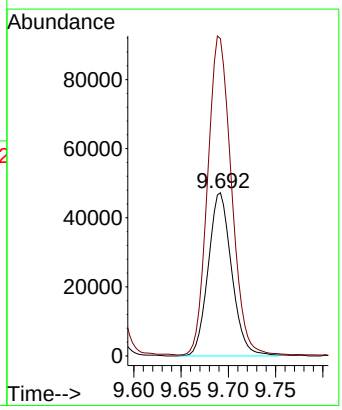


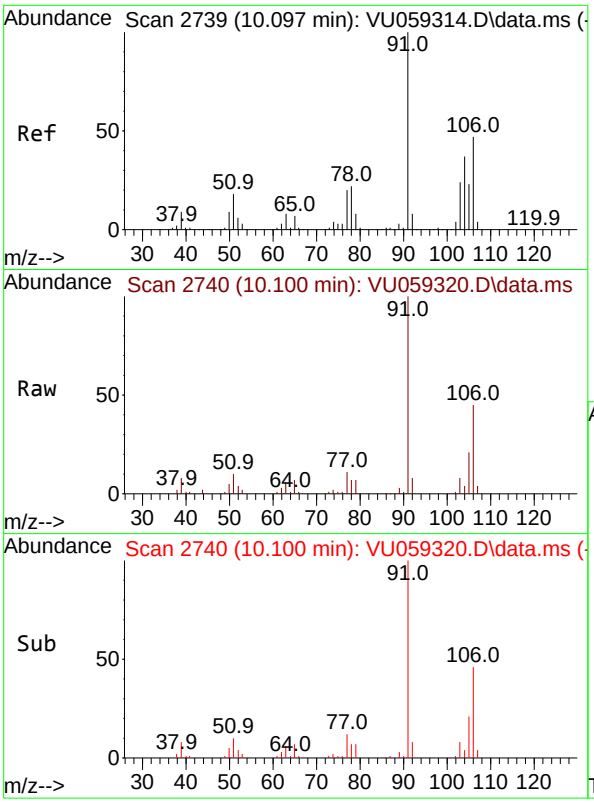


#53
m,p-Xylene
Concen: 35.093 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU059320.D
Acq: 18 Jun 2024 18:45

Tgt Ion:106 Resp: 81473

Ion	Ratio	Lower	Upper
106	100		
91	194.3	146.4	272.0





#54
o-Xylene
Concen: 7.260 ug/L
RT: 10.100 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU059320.D
Acq: 18 Jun 2024 18:45

Tgt Ion:106 Resp: 1633

Ion	Ratio	Lower	Upper
106	100		
91	222.6	156.7	290.9

Instrument :
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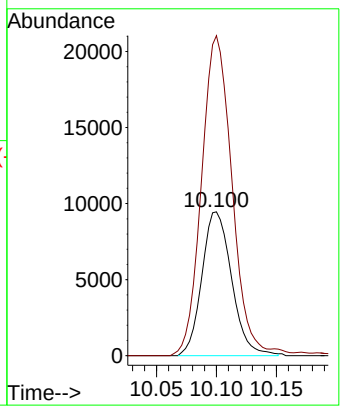
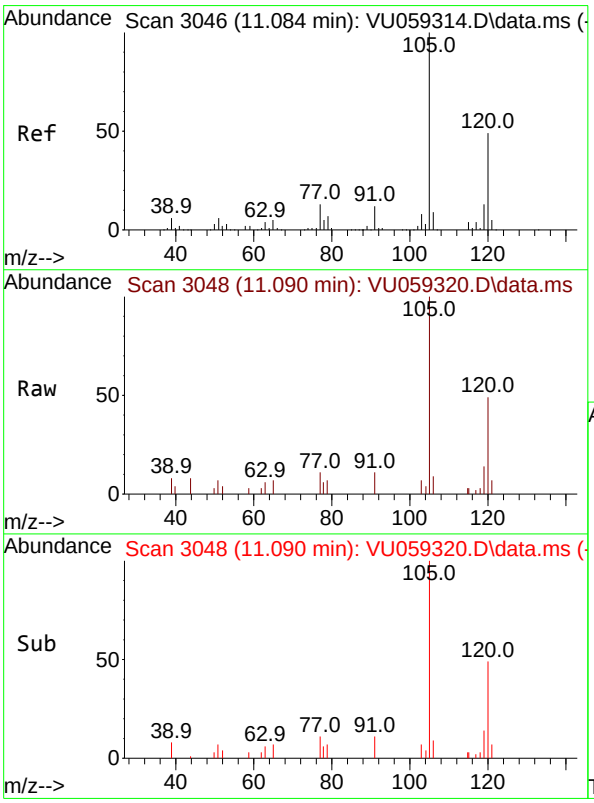
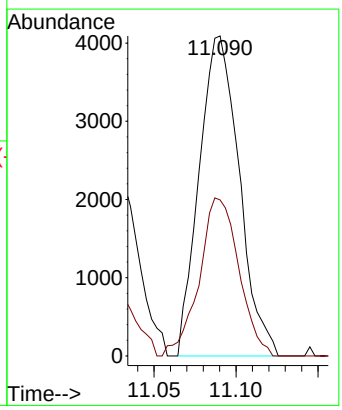


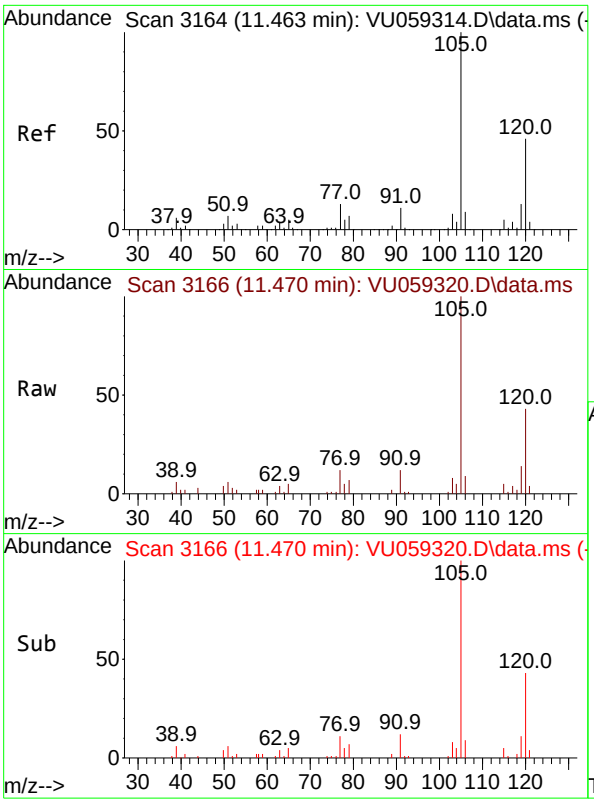


#62
1,3,5-Trimethylbenzene
Concen: 1.575 ug/L
RT: 11.090 min Scan# 3048
Delta R.T. 0.006 min
Lab File: VU059320.D
Acq: 18 Jun 2024 18:45

Tgt Ion:105 Resp: 6939

Ion	Ratio	Lower	Upper
105	100		
120	48.8	37.8	56.8

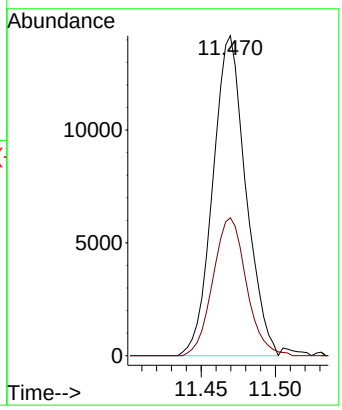




#63
1,2,4-Trimethylbenzene
Concen: 4.579 ug/L
RT: 11.470 min Scan# 3
Delta R.T. 0.006 min
Lab File: VU059320.D
Acq: 18 Jun 2024 18:45

Tgt Ion:105 Resp: 2186

Ion	Ratio	Lower	Upper
105	100		
120	43.7	35.0	52.6



Instrument :
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