Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100820\
Data File : VU040566.D
Acq On : 08 Oct 2020 17:10
Operator : SY/MD
Sample : L4240-08DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG3S5DL

Manual Integrations APPROVED
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10/9/2020 5:48:17 PM

Quant Time: Oct 21 08:06:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 09 01:55:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	144806	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	140882	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	72377	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	57389	4.78	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 95.60%			
7) Chloroethane-d5	1.92	69	45919	4.96	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 99.20%			
11) 1,1-Dichloroethene-d2	2.58	63	85316	3.64	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 72.80%			
20) 2-Butanone-d5	4.66	46	205269	53.46	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 106.92%			
24) Chloroform-d	5.08	84	100873	4.79	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.80%			
26) 1,2-Dichloroethane-d4	5.72	65	63478	4.95	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 99.00%			
32) Benzene-d6	5.74	84	193863	5.10	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 102.00%			
36) 1,2-Dichloropropane-d6	6.70	67	63996	5.07	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 101.40%			
41) Toluene-d8	7.91	98	161765	4.75	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.00%			
43) trans-1,3-Dichloropropene-	8.19	79	26187	4.90	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 98.00%			
46) 2-Hexanone-d5	8.64	63	142204	51.64	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 103.28%			
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55099	4.87	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 97.40%			
64) 1,2-Dichlorobenzene-d4	12.19	152	70673	5.27	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 105.40%			
Target Compounds						Qvalue
19) 1,1-Dichloroethane	3.88	63	3104m	0.139	ug/L	
29) 1,1,1-Trichloroethane	5.34	97	4591	0.243	ug/L	97
30) Cyclohexane	5.41	56	90747	5.202	ug/L	99
35) Methylcyclohexane	6.77	83	1807	0.109	ug/L #	88
42) Toluene	7.98	91	18738	0.406	ug/L	97
48) 2-Hexanone	8.69	43	3910	0.522	ug/L #	88
53) m,p-Xylene	9.69	106	3966	0.218	ug/L	91
56) Isopropylbenzene	10.48	105	8460	0.180	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	24628	1.896	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	5282	0.438	ug/L	97

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

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QLast Update : Fri Oct 09 01:55:27 2020
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BG3S5DL

Manual Integrations APPROVED
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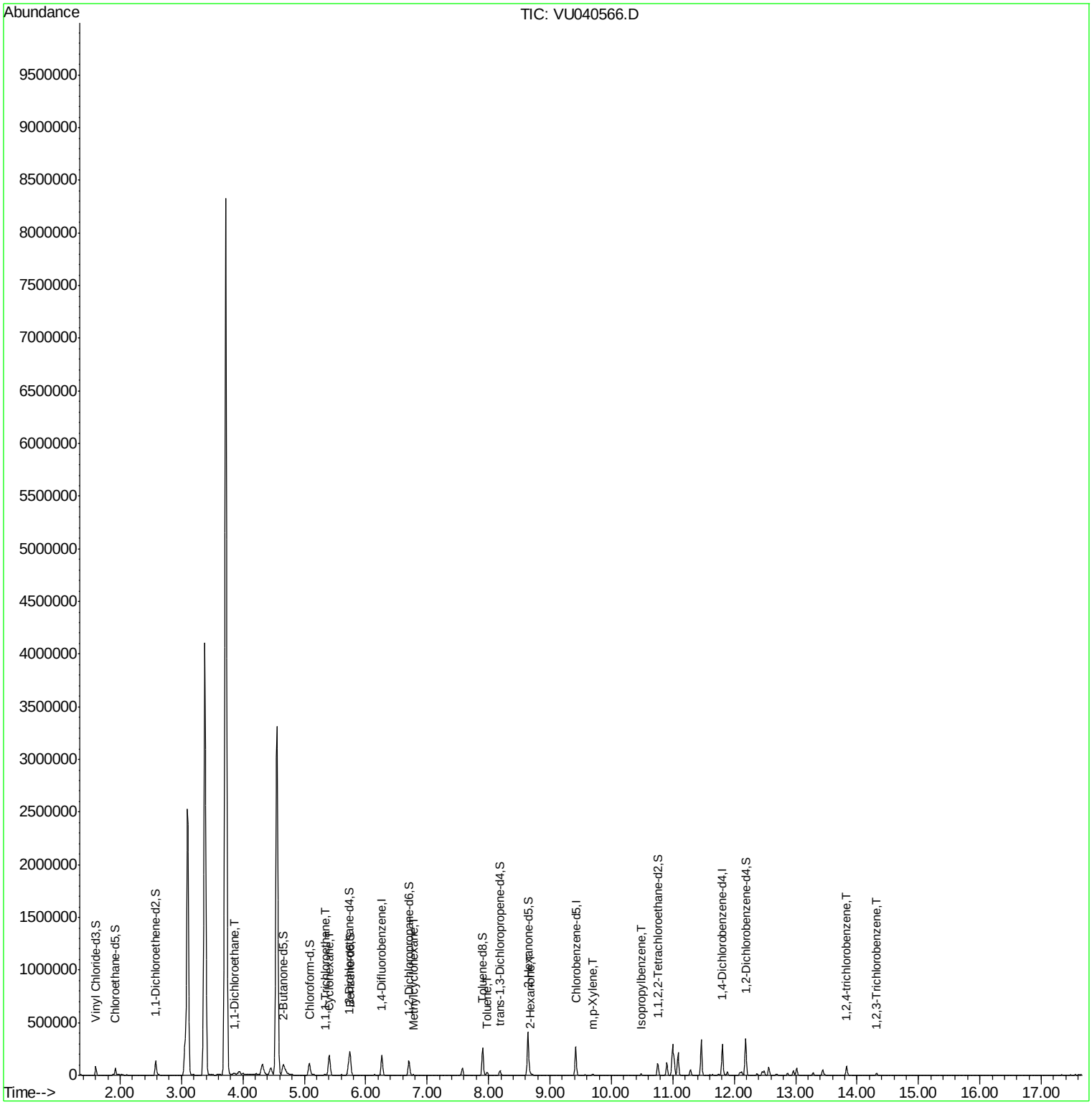
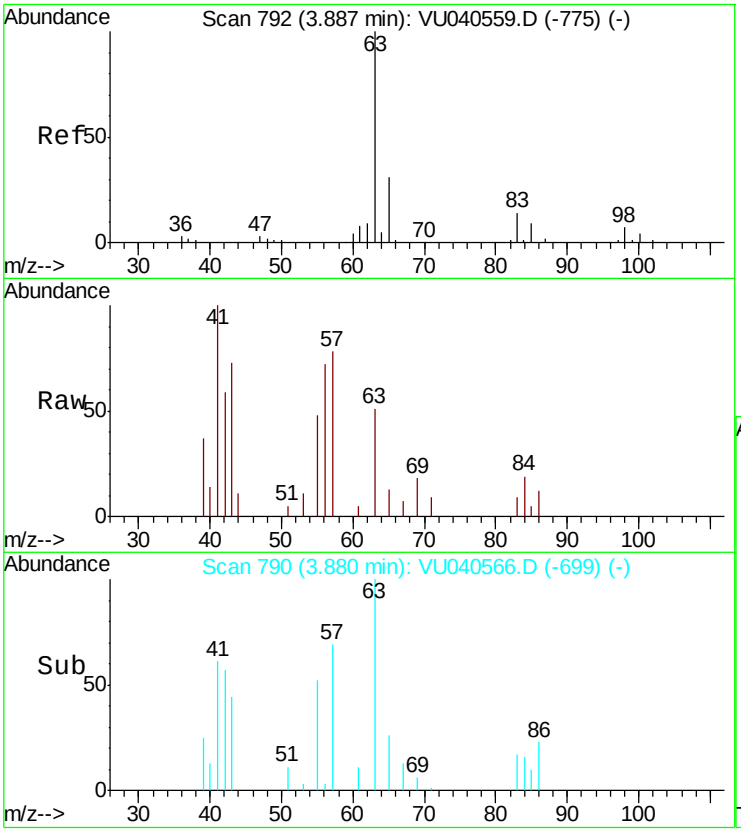
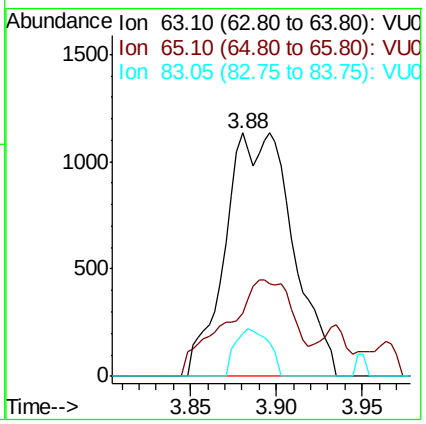




#19
1,1-Dichloroethane
Concen: 0.139 ug/L m
RT: 3.88 min Scan# 790
Delta R.T. -0.01 min
Lab File: VU040566.D
Acq: 08 Oct 2020 17:10

Tgt Ion: 63 Resp: 3104

Ion	Ratio	Lower	Upper
63	100		
65	25.9	21.9	40.7
83	17.4	9.6	17.8



Instrument :
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ClientSampleId :
BG3S5DL

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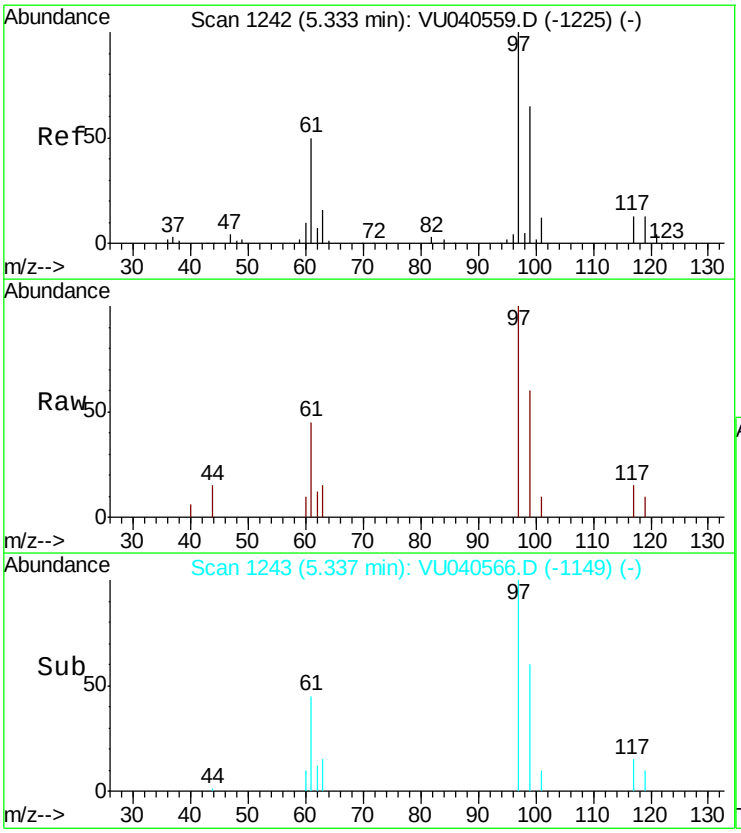
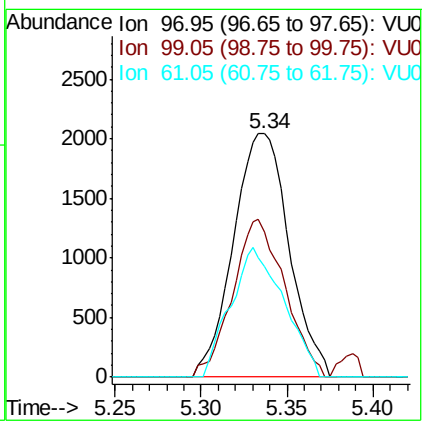
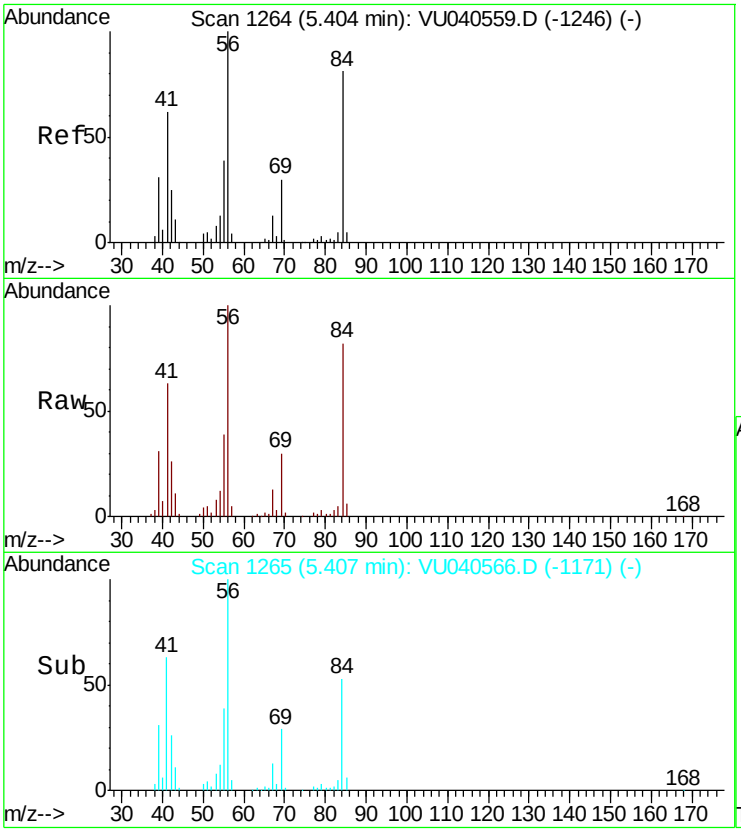


#29
1,1,1-Trichloroethane
Concen: 0.243 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU040566.D
Acq: 08 Oct 2020 17:10

Tgt Ion: 97 Resp: 4591

Ion	Ratio	Lower	Upper
97	100		
99	60.7	51.3	76.9
61	50.9	39.4	59.2

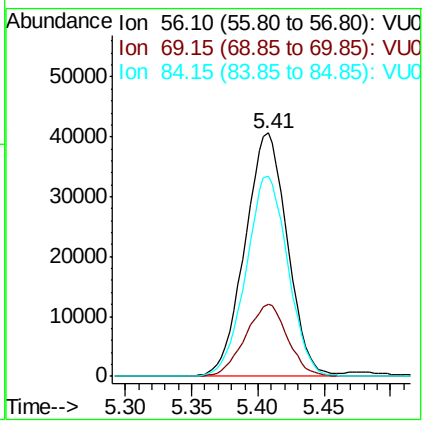




#30
Cyclohexane
Concen: 5.202 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040566.D
Acq: 08 Oct 2020 17:10

Tgt Ion: 56 Resp: 90747

Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.8	35.8
84	81.1	64.0	96.0



Instrument :
MSVOA_U
ClientSampleId :
BG3S5DL

Manual Integrations APPROVED
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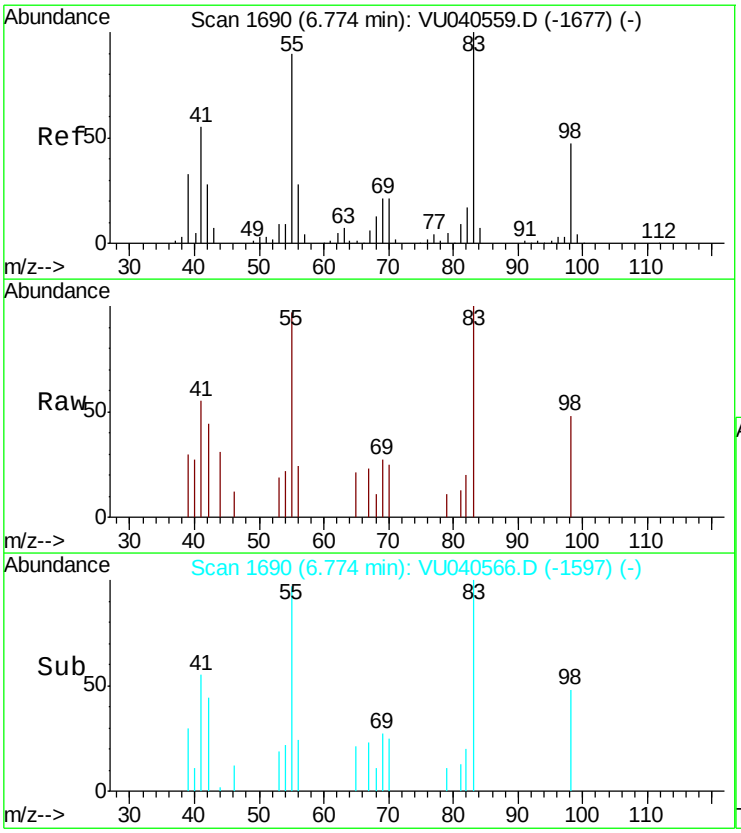
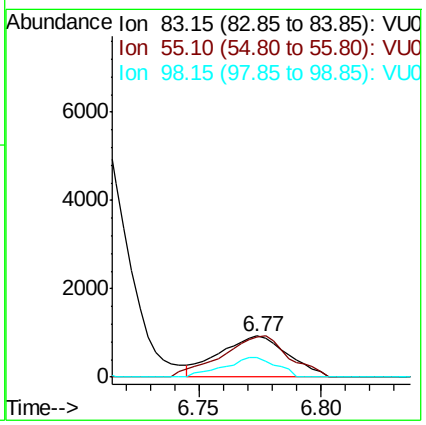
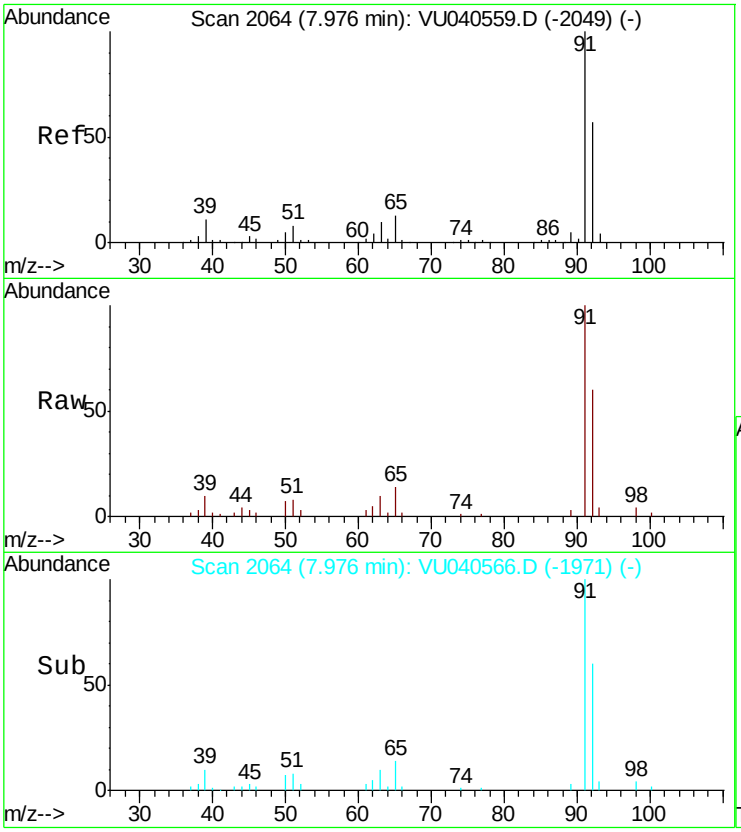


#35
Methylcyclohexane
Concen: 0.109 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU040566.D
Acq: 08 Oct 2020 17:10

Tgt Ion: 83 Resp: 1807

Ion	Ratio	Lower	Upper
83	100		
55	97.3	70.7	106.1
98	36.9	38.4	57.6#





#42
Toluene
Concen: 0.406 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU040566.D
Acq: 08 Oct 2020 17:10

Tgt Ion: 91 Resp: 18738

Ion	Ratio	Lower	Upper
91	100		
92	59.8	40.2	74.6

Instrument :
MSVOA_U
ClientSampleId :
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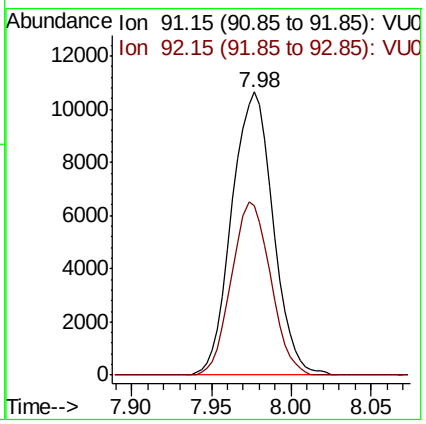
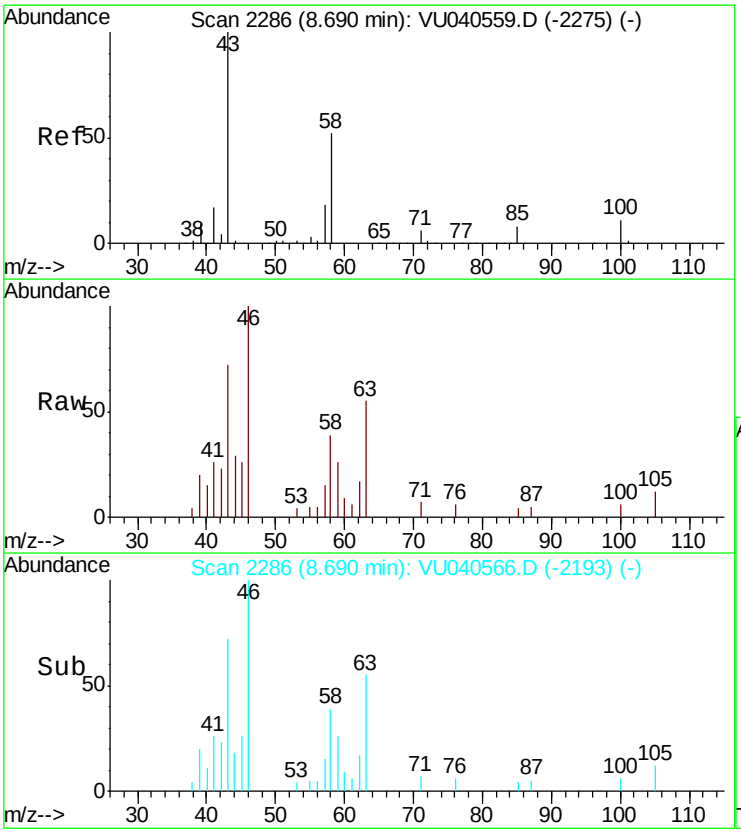
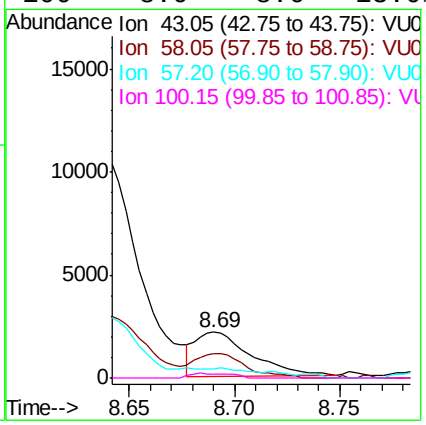


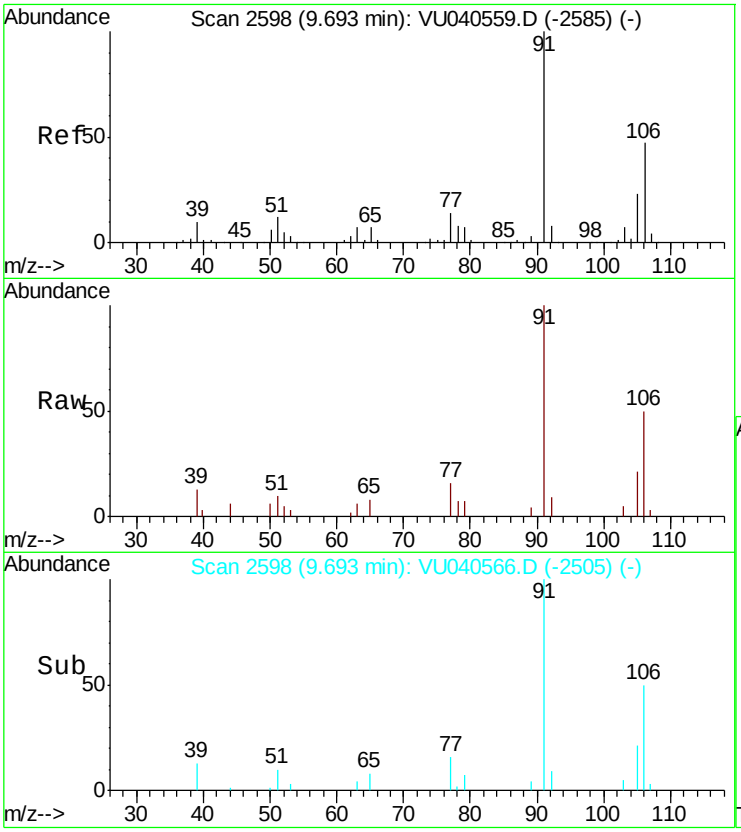


#48
2-Hexanone
Concen: 0.522 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040566.D
Acq: 08 Oct 2020 17:10

Tgt Ion: 43 Resp: 3910

Ion	Ratio	Lower	Upper
43	100		
58	53.2	41.0	61.6
57	0.0	14.4	21.6#
100	8.0	8.6	13.0#

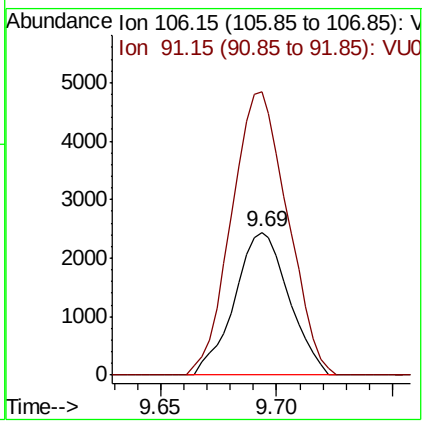




#53
m,p-Xylene
Concen: 0.218 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040566.D
Acq: 08 Oct 2020 17:10

Tgt Ion:106 Resp: 3966

Ion	Ratio	Lower	Upper
106	100		
91	198.2	148.5	275.7



Instrument :
MSVOA_U
ClientSampleId :
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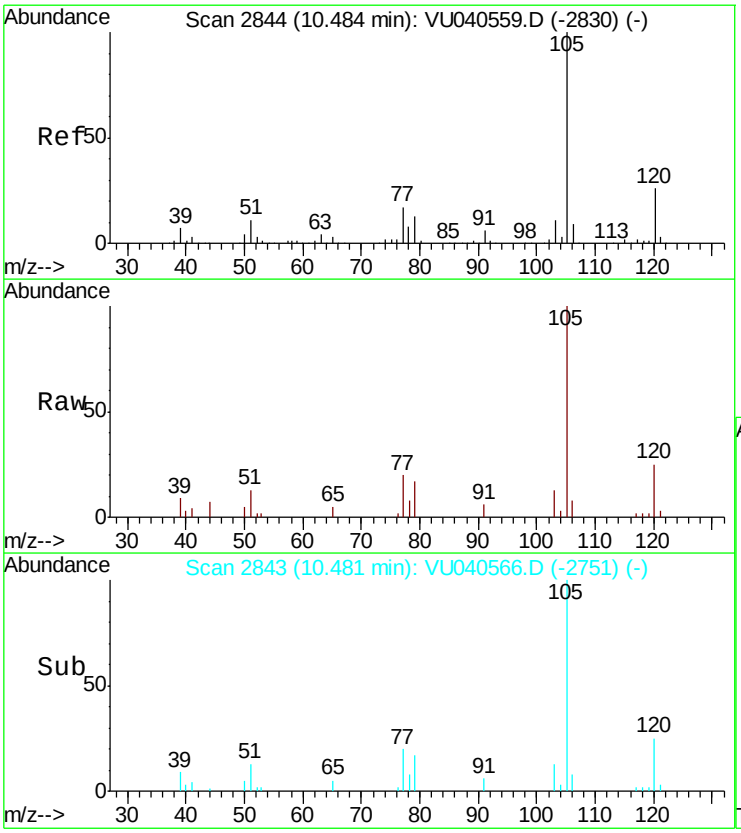
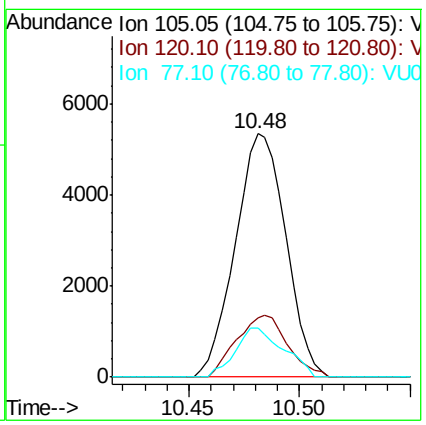
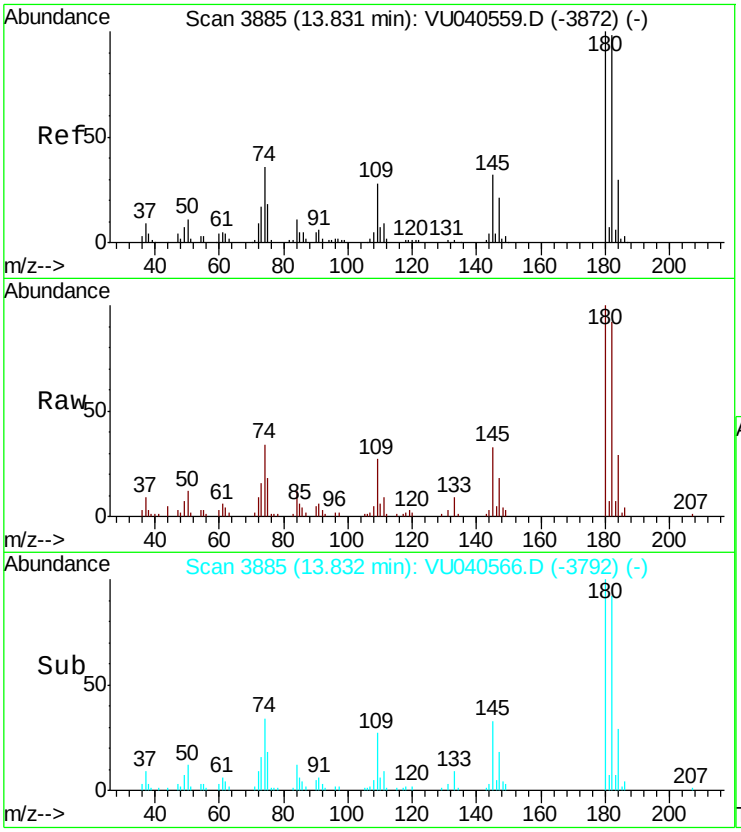


#56
Isopropylbenzene
Concen: 0.180 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. -0.00 min
Lab File: VU040566.D
Acq: 08 Oct 2020 17:10

Tgt Ion:105 Resp: 8460

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	30.8
77	19.3	13.8	20.6

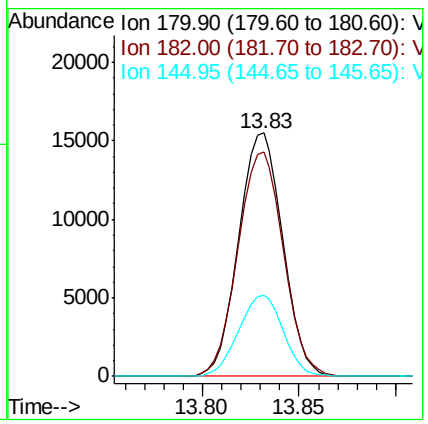




#68
1,2,4-trichlorobenzene
Concen: 1.896 ug/L
RT: 13.83 min Scan# 3885
Delta R.T. 0.00 min
Lab File: VU040566.D
Acq: 08 Oct 2020 17:10

Tgt Ion:180 Resp: 24628

Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.8	118.2
145	33.6	26.1	39.1



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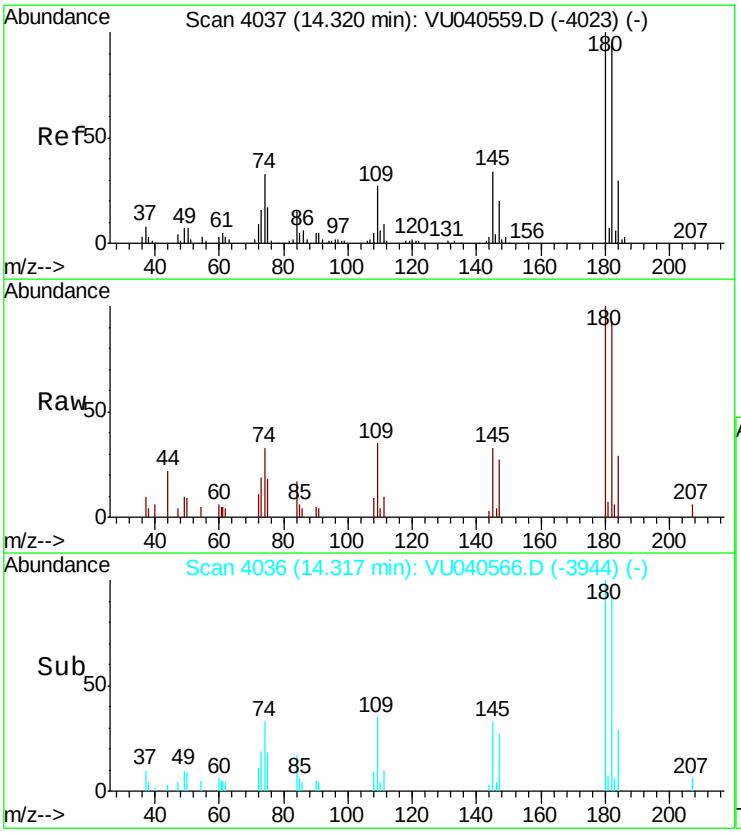

#70
1,2,3-Trichlorobenzene
Concen: 0.438 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040566.D
Acq: 08 Oct 2020 17:10

Tgt Ion:180 Resp: 5282

Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.8	113.8
145	30.9	27.4	41.2