Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081018\
Data File : VU026045.D
Acq On : 10 Aug 2018 15:55
Operator : MD/SY
Sample : J4361-24DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZA7DL

Manual Integrations APPROVED
MMDadoda
8/13/2018 11:54:44 AM

Quant Time: Aug 11 01:58:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	280070	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	261790	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	120572	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	74519	36.40	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 72.80%			
7) Chloroethane-d5	1.67	69	55811	34.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 68.78%#			
11) 1,1-Dichloroethene-d2	2.27	63	108643	27.93	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 55.86%#			
21) 2-Butanone-d5	4.18	46	99505	58.32	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 58.32%			
24) Chloroform-d	4.65	84	140632	32.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 64.78%#			
26) 1,2-Dichloroethane-d4	5.31	65	93043	31.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 63.46%#			
32) Benzene-d6	5.34	84	274099	33.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 67.44%#			
36) 1,2-Dichloropropane-d6	6.33	67	84839	32.25	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 64.50%#			
41) Toluene-d8	7.57	98	251160	32.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 64.58%#			
43) trans-1,3-Dichloropropene-	7.85	79	39821	30.05	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 60.10%			
47) 2-Hexanone-d5	8.31	63	66534	55.69	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 55.69%			
57) 1,1,2,2-Tetrachloroethane-	10.44	84	113172	29.42	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 58.84%#			
64) 1,2-Dichlorobenzene-d4	11.86	152	97953	32.96	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 65.92%#			
Target Compounds						Qvalue
13) Acetone	2.32	43	5610	5.29	ug/L	99
22) 2-Butanone	4.28	43	4806m	3.13	ug/L	
51) Chlorobenzene	9.12	112	336932	63.14	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	22144	5.90	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	202067	51.35	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	221538	55.45	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	104600	44.09	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	25216	9.89	ug/L	93

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

Quantitation Report (QT/LSC Reviewed)

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Sample : J4361-24DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

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Quant Title : VOC Analysis
QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
A4ZA7DL

Manual Integrations APPROVED
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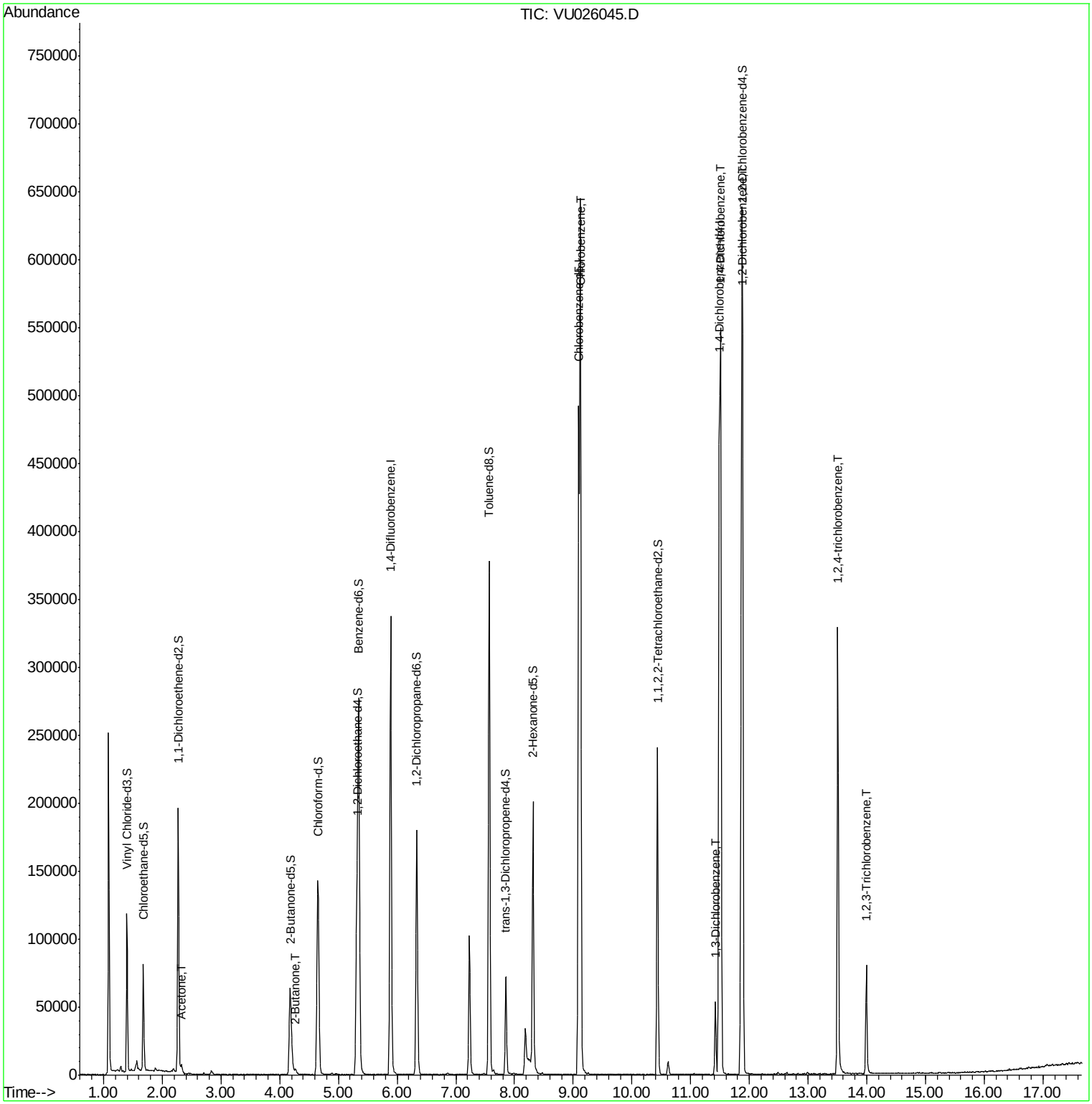
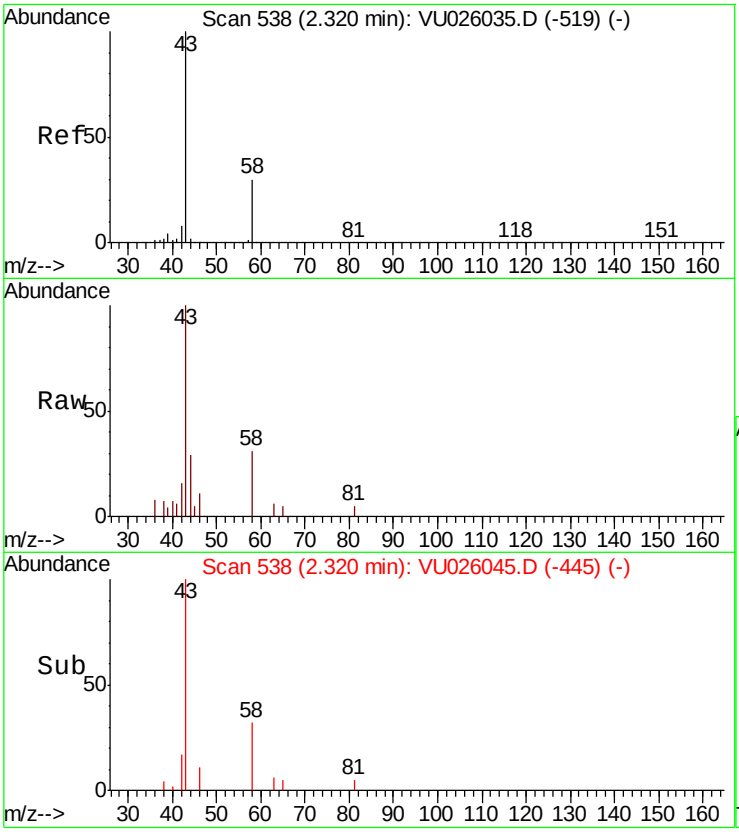
8/13/2018 11:54:44 AM





#13
Acetone
Concen: 5.29 ug/L
RT: 2.32 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU026045.D
Acq: 10 Aug 2018 15:55

Tgt Ion: 43 Resp: 5610

Ion	Ratio	Lower	Upper
43	100		
58	30.1	0.0	61.8

Instrument :
MSVOA_U
ClientSampleId :
A4ZA7DL

Manual Integrations APPROVED
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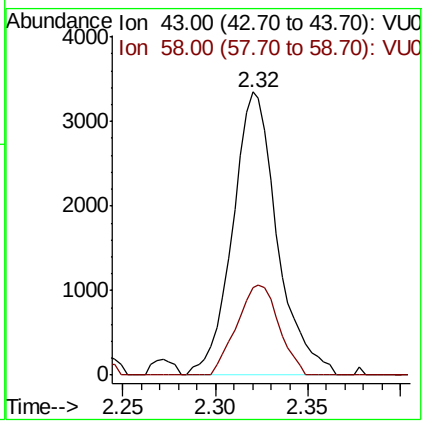
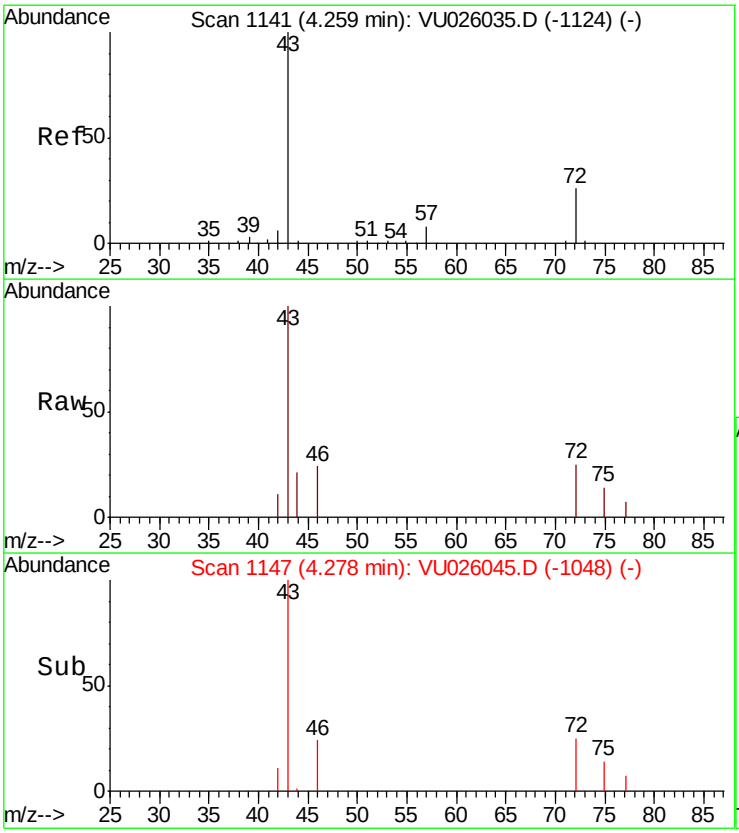
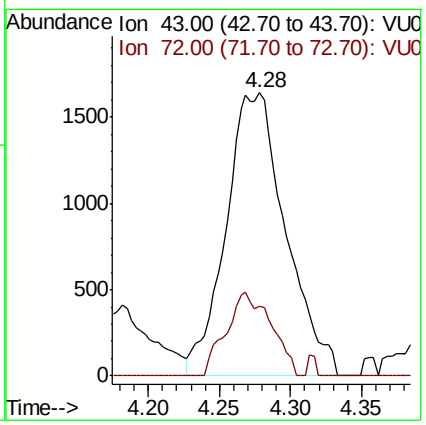


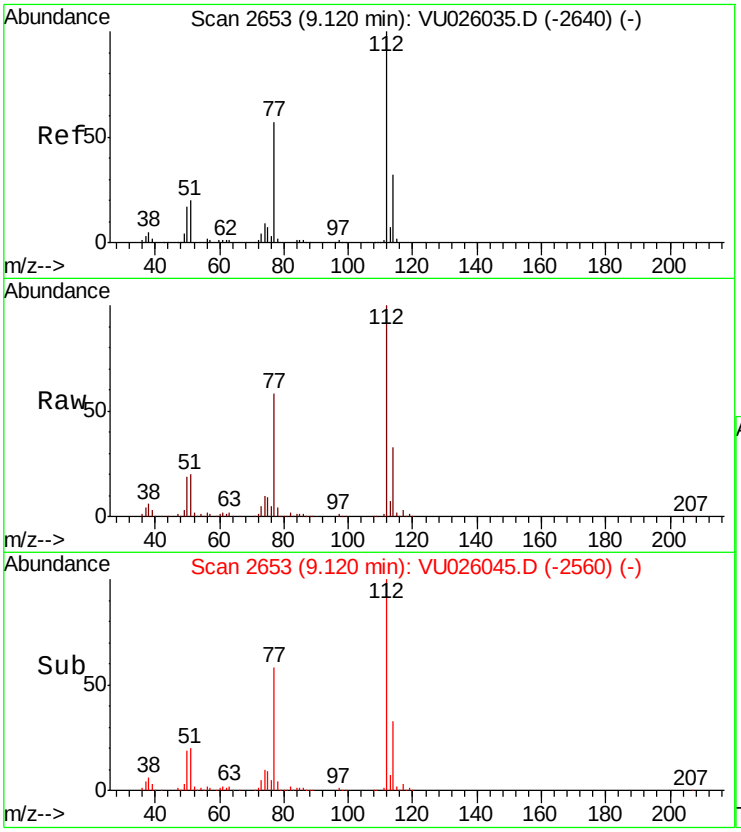


#22
2-Butanone
Concen: 3.13 ug/L m
RT: 4.28 min Scan# 1147
Delta R.T. 0.02 min
Lab File: VU026045.D
Acq: 10 Aug 2018 15:55

Tgt Ion: 43 Resp: 4806

Ion	Ratio	Lower	Upper
43	100		
72	13.9	13.5	40.5

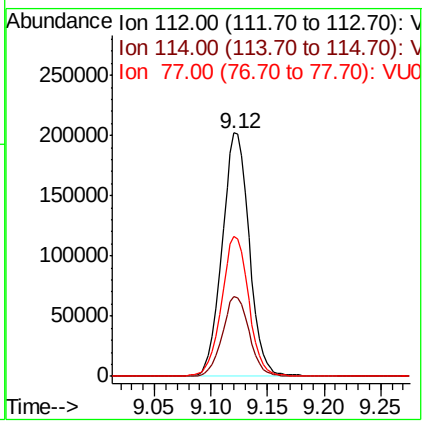




#51
Chlorobenzene
Concen: 63.14 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026045.D
Acq: 10 Aug 2018 15:55

Tgt Ion:112 Resp: 336932

Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.7	42.3
77	57.7	45.2	67.8



Instrument :
MSVOA_U
ClientSampleId :
A4ZA7DL

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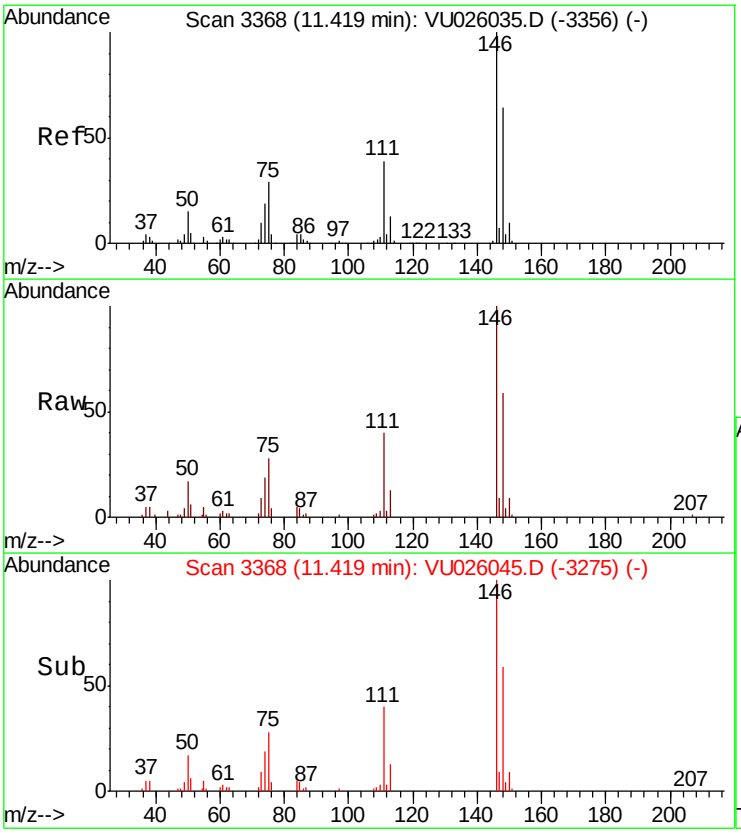
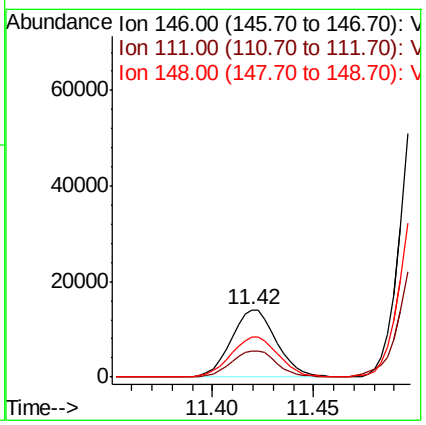
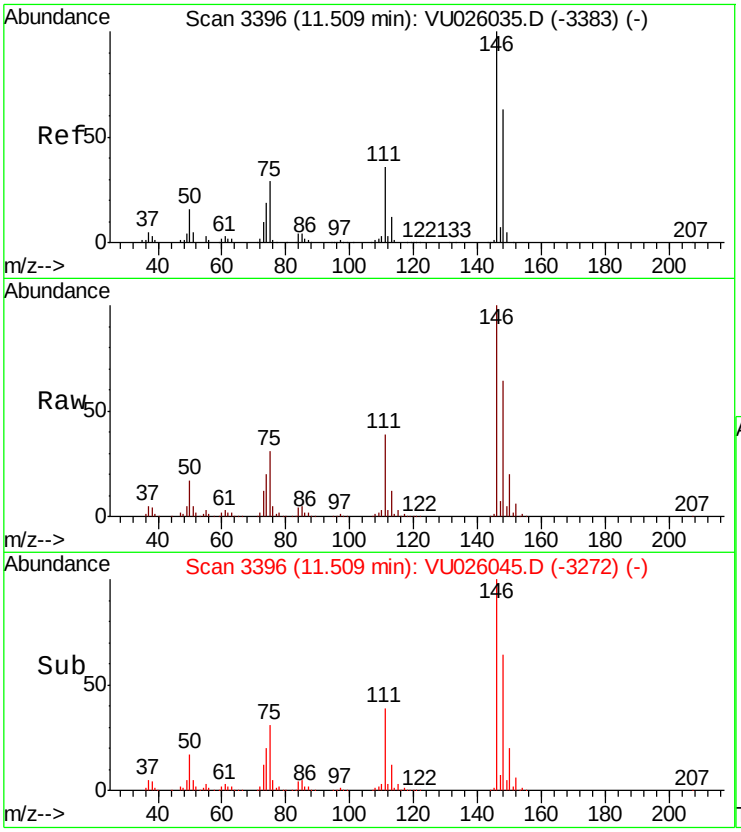


#62
1,3-Dichlorobenzene
Concen: 5.90 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU026045.D
Acq: 10 Aug 2018 15:55

Tgt Ion:146 Resp: 22144

Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.9	51.9
148	58.6	46.0	85.4

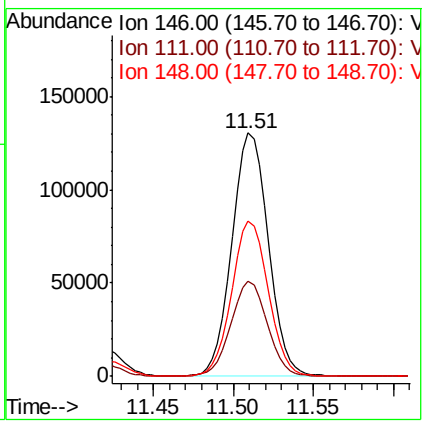




#63
1,4-Dichlorobenzene
Concen: 51.35 ug/L
RT: 11.51 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VU026045.D
Acq: 10 Aug 2018 15:55

Tgt Ion:146 Resp: 202067

Ion	Ratio	Lower	Upper
146	100		
111	38.8	26.4	49.0
148	63.5	43.8	81.4



Instrument :
MSVOA_U
ClientSampleId :
A4ZA7DL

Manual Integrations APPROVED
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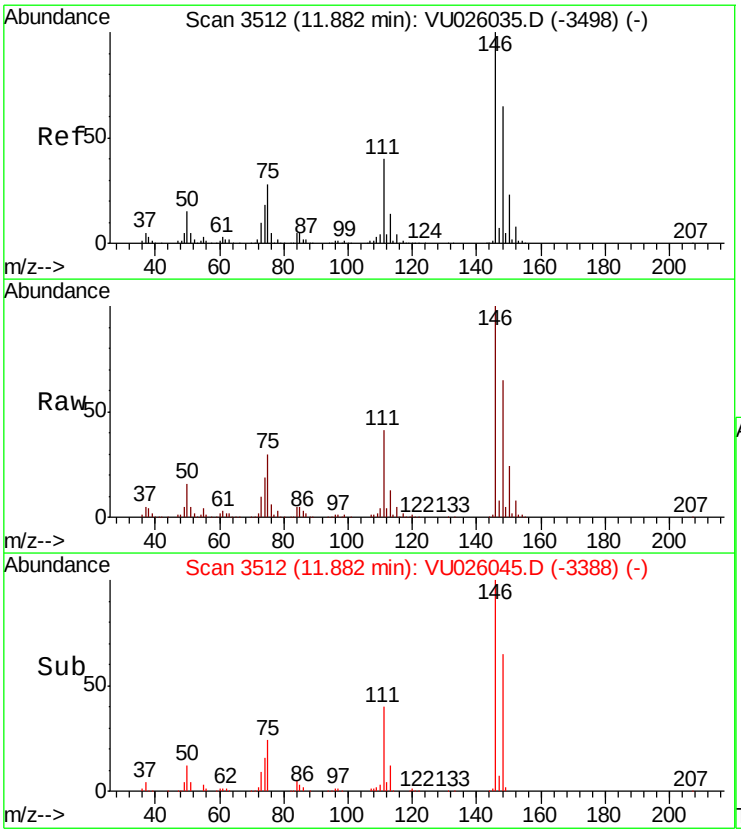
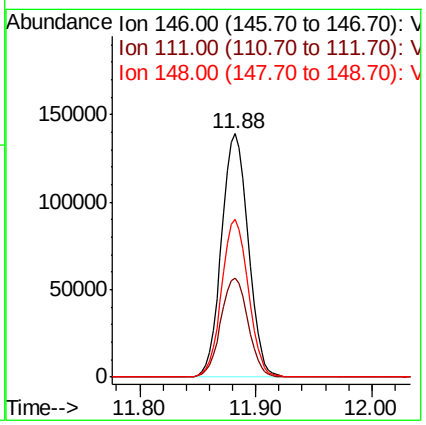
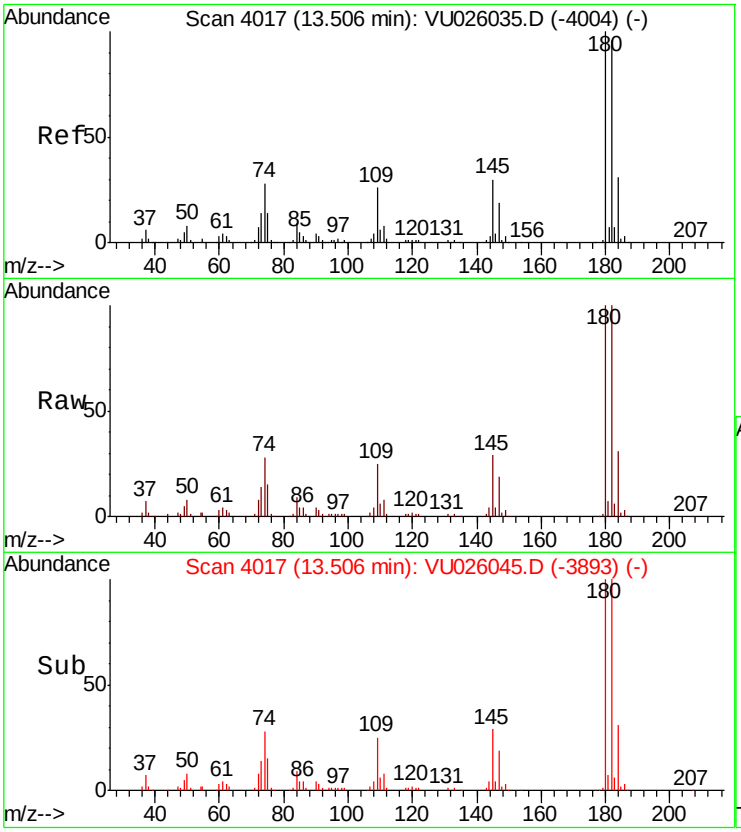


#65
1,2-Dichlorobenzene
Concen: 55.45 ug/L
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU026045.D
Acq: 10 Aug 2018 15:55

Tgt Ion:146 Resp: 221538

Ion	Ratio	Lower	Upper
146	100		
111	40.8	32.4	48.6
148	64.6	50.1	75.1

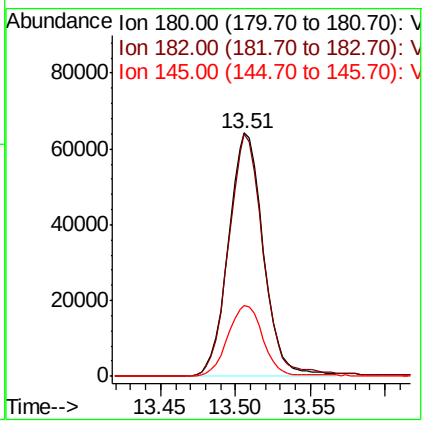




#68
1,2,4-trichlorobenzene
Concen: 44.09 ug/L
RT: 13.51 min Scan# 4017
Delta R.T. 0.00 min
Lab File: VU026045.D
Acq: 10 Aug 2018 15:55

Tgt Ion:180 Resp: 104600

Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.5	114.7
145	29.3	24.2	36.4



Instrument :
MSVOA_U
ClientSampleId :
A4ZA7DL

Manual Integrations APPROVED
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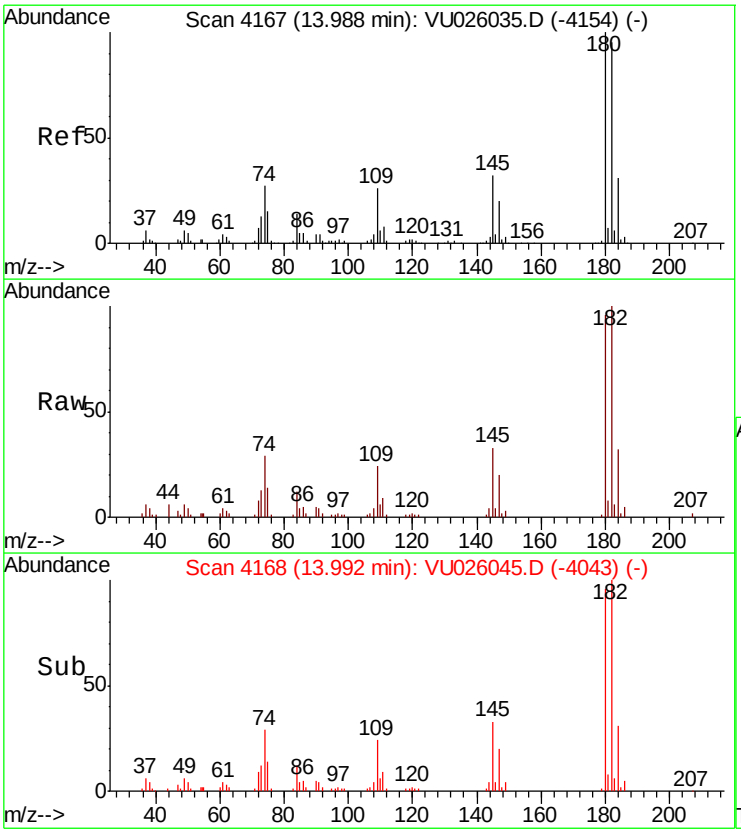
8/13/2018 11:54:44 AM



#70
1,2,3-Trichlorobenzene
Concen: 9.89 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU026045.D
Acq: 10 Aug 2018 15:55

Tgt Ion:180 Resp: 25216

Ion	Ratio	Lower	Upper
180	100		
182	104.0	76.5	114.7
145	32.4	24.7	37.1