Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

Quantitation Report (Not Reviewed)

Data File : VU030453.D
Acq On : 26 Mar 2019 19:05
Operator : JC/SP
Sample : K2022-15 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09D9

Quant Time: Mar 27 06:04:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	461229	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	445003	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	208604	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	171994	46.34	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.68%			
7) Chloroethane-d5	1.67	69	144579	49.14	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.28%			
11) 1,1-Dichloroethene-d2	2.27	63	247134	35.10	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.20%			
21) 2-Butanone-d5	4.17	46	352812	101.11	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.11%			
24) Chloroform-d	4.64	84	310707	48.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.16%			
26) 1,2-Dichloroethane-d4	5.31	65	209198	49.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.98%			
32) Benzene-d6	5.34	84	627960	49.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.42%			
36) 1,2-Dichloropropane-d6	6.33	67	219673	50.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.62%			
41) Toluene-d8	7.56	98	540059	47.12	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.24%			
43) trans-1,3-Dichloropropene-	7.85	79	97373	47.43	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.86%			
47) 2-Hexanone-d5	8.31	63	224058	94.70	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 94.70%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303177	48.52	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.04%			
64) 1,2-Dichlorobenzene-d4	11.59	152	41	0.01	ug/L	-0.27
Spiked Amount 50.000	Range 80 - 120		Recovery = 0.02%#			

Target Compounds						Qvalue
8) Chloroethane	1.61	64	5061	1.661	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1926	0.572	ug/L #	21
13) Acetone	2.32	43	3857	1.093	ug/L	91
25) Chloroform	4.67	83	43156	6.390	ug/L	97
27) 1,2-Dichloroethane	5.39	62	33773	6.373	ug/L #	75
31) Carbon tetrachloride	5.13	117	15049	3.258	ug/L	97
33) Benzene	5.39	78	3793475	250.422	ug/L	100
39) cis-1,3-Dichloropropene	7.23	75	5472	0.886	ug/L #	51
44) trans-1,3-Dichloropropene	7.84	75	3790	0.697	ug/L	86
51) Chlorobenzene	9.12	112	10241018	1074.815	ug/L	98
59) 1,2,3-Trichloropropane	11.41	75	92732	17.722	ug/L #	45
62) 1,3-Dichlorobenzene	11.41	146	268052	39.293	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	2649668	377.285	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	3239991	469.698	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	252327	49.407	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	252327	56.864	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	71725	15.307	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

Quantitation Report (Not Reviewed)

Data File : VU030453.D
Acq On : 26 Mar 2019 19:05
Operator : JC/SP
Sample : K2022-15 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09D9

Quant Time: Mar 27 06:04:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

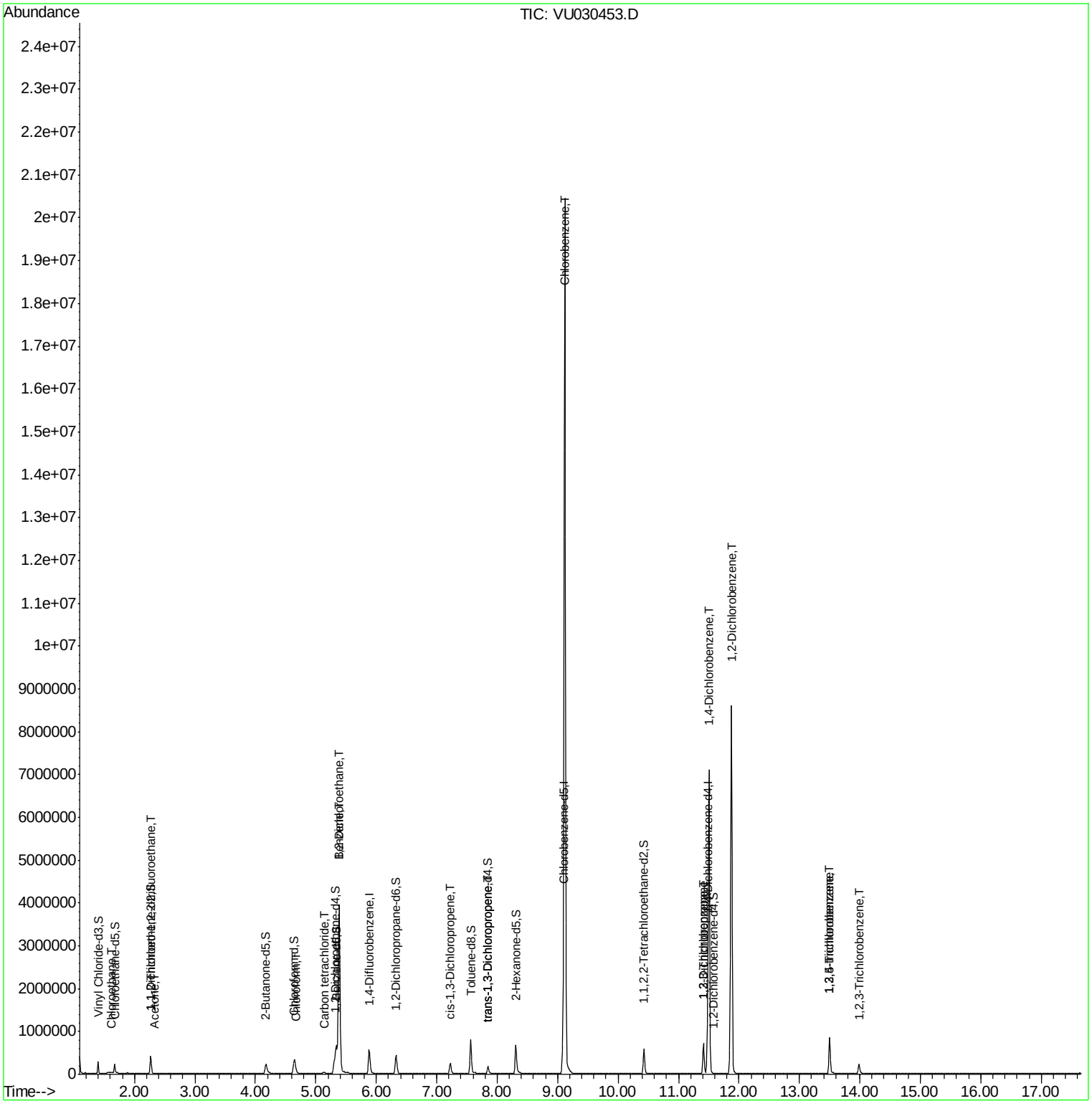
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

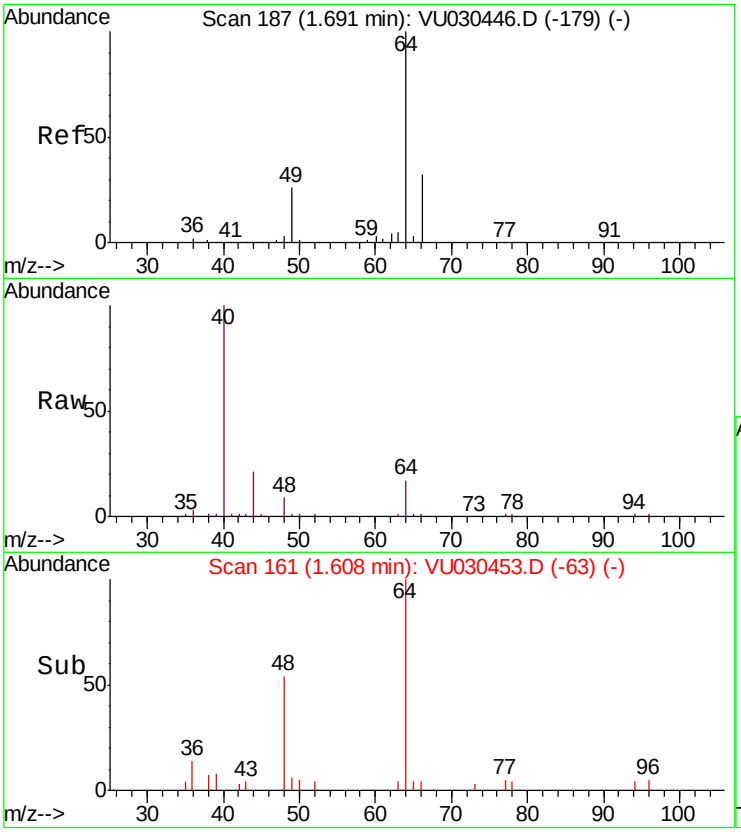
Quantitation Report (Not Reviewed)

Data File : VU030453.D
Acq On : 26 Mar 2019 19:05
Operator : JC/SP
Sample : K2022-15 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D9

Quant Time: Mar 27 06:04:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration



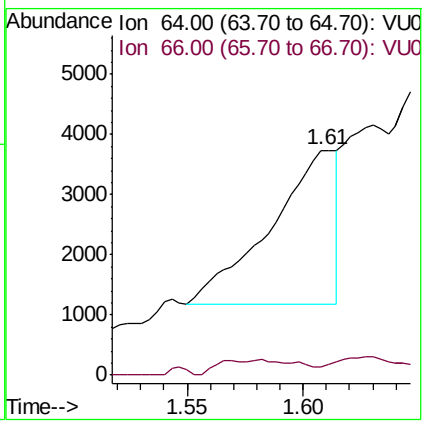


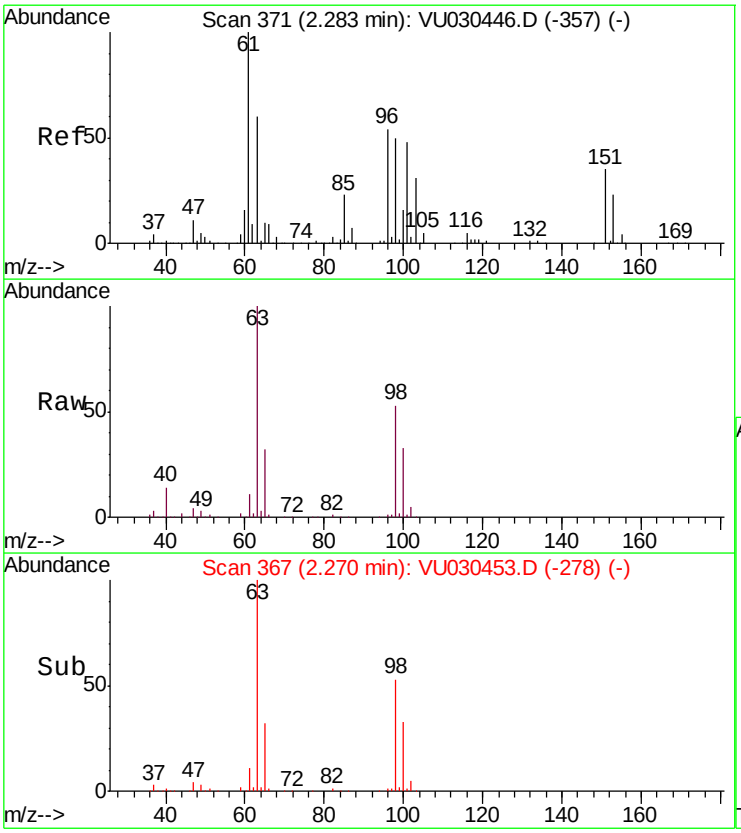
#8
Chloroethane
Concen: 1.661 ug/L
RT: 1.61 min Scan# 161
Delta R.T. -0.08 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
C09D9

Tgt Ion: 64 Resp: 5061

Ion	Ratio	Lower	Upper
64	100		
66	3.5	22.5	41.7#

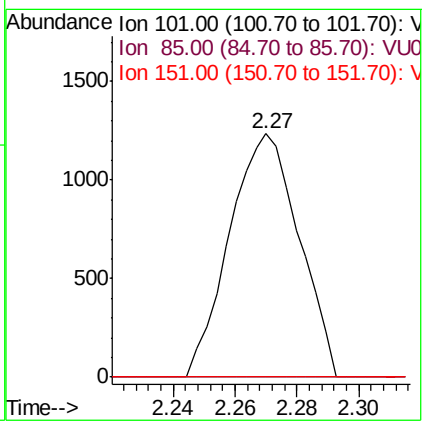


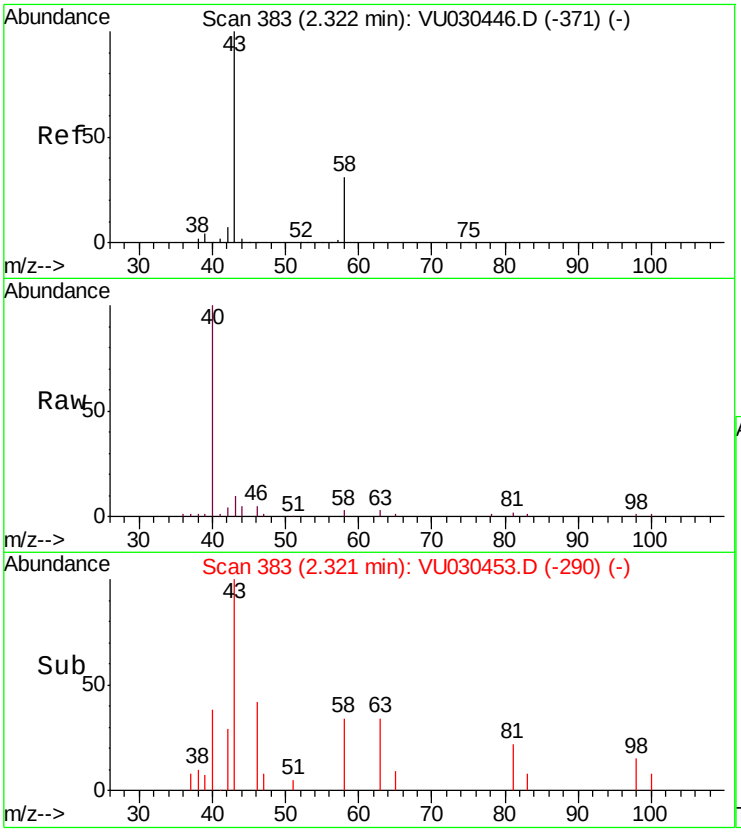


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.572 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Tgt Ion:101 Resp: 1926

Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.8	52.2#
151	0.0	56.6	85.0#



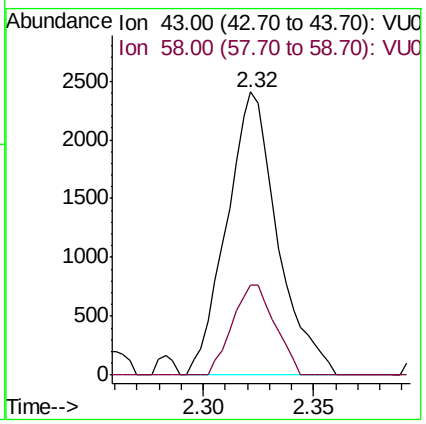


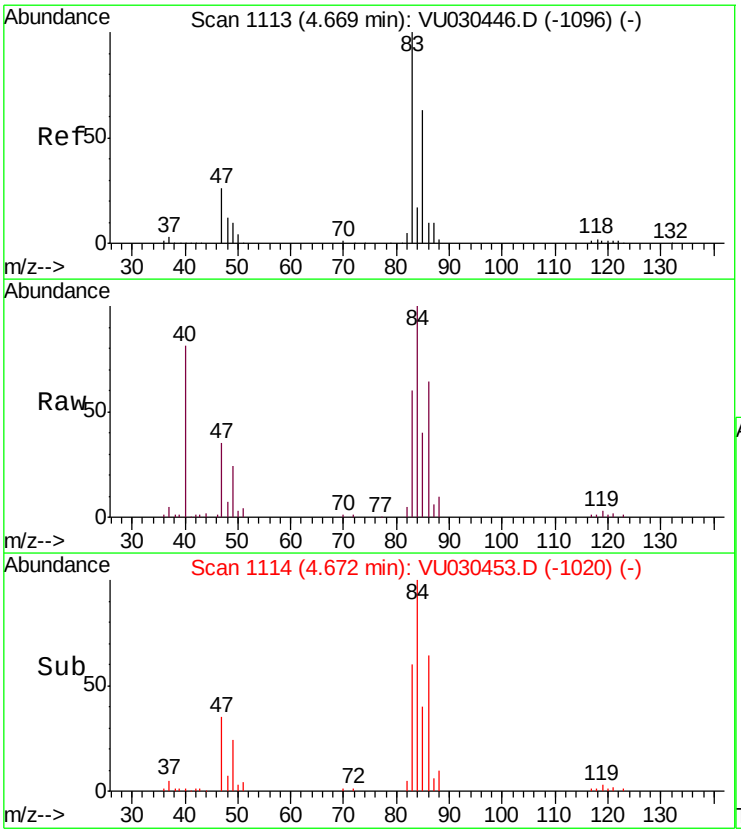
#13
Acetone
Concen: 1.093 ug/L
RT: 2.32 min Scan# 383
Delta R.T. -0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
C09D9

Tgt Ion: 43 Resp: 3857

Ion	Ratio	Lower	Upper
43	100		
58	26.6	0.0	62.8

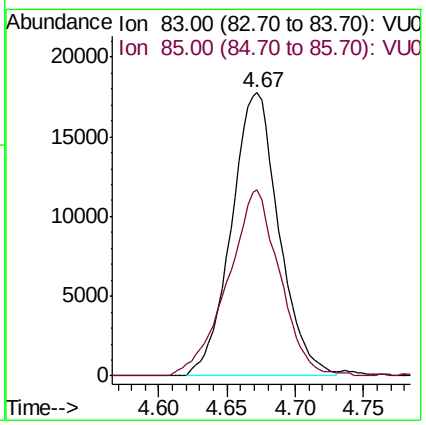


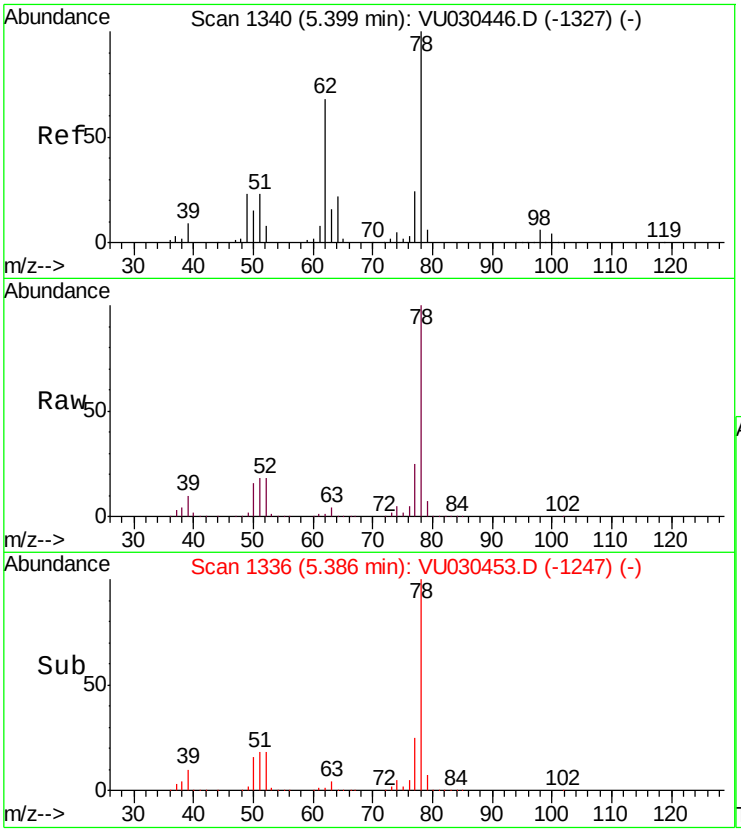


#25
Chloroform
Concen: 6.390 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Tgt Ion: 83 Resp: 43156

Ion	Ratio	Lower	Upper
83	100		
85	65.8	44.4	82.4



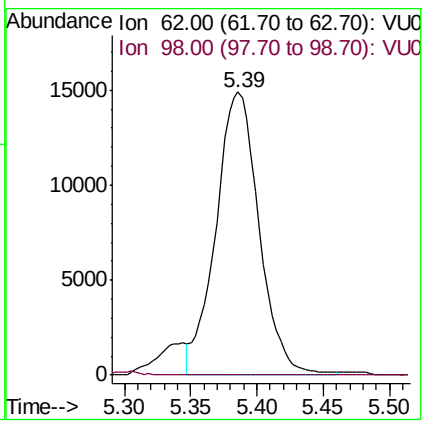


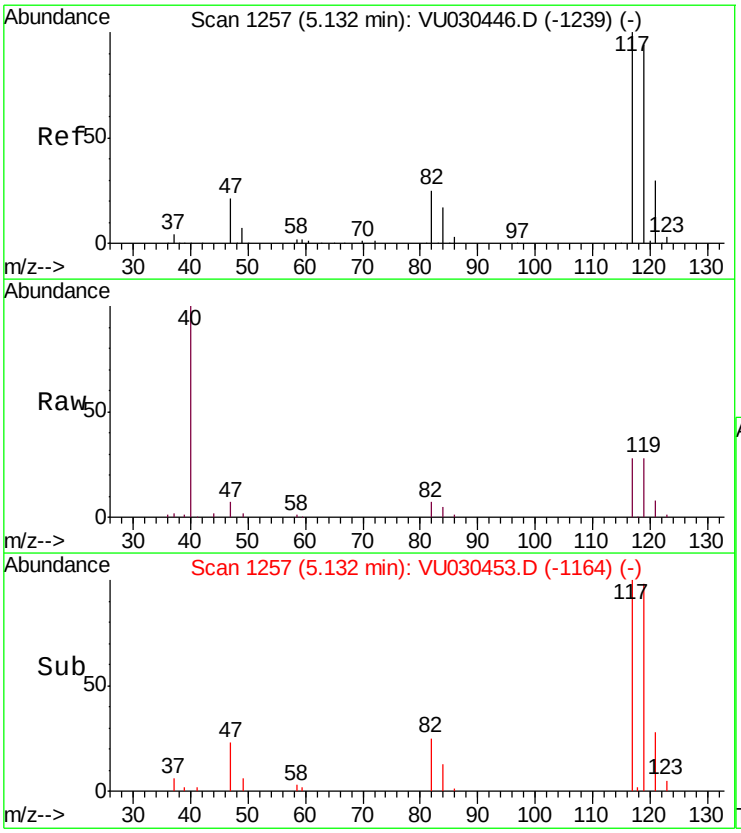
#27
1,2-Dichloroethane
Concen: 6.373 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
C09D9

Tgt Ion: 62 Resp: 33773

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.2	10.8#

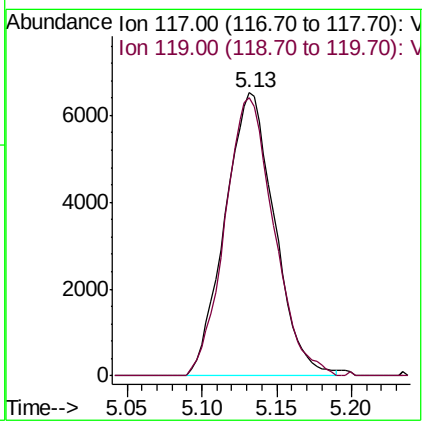


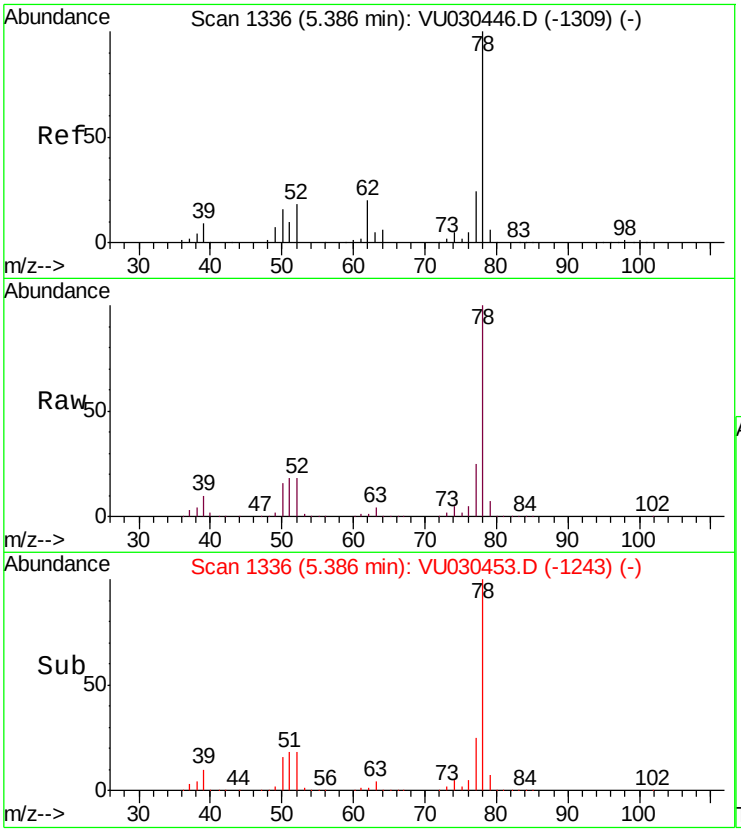


#31
Carbon tetrachloride
Concen: 3.258 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Tgt Ion:117 Resp: 15049

Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.4	113.2

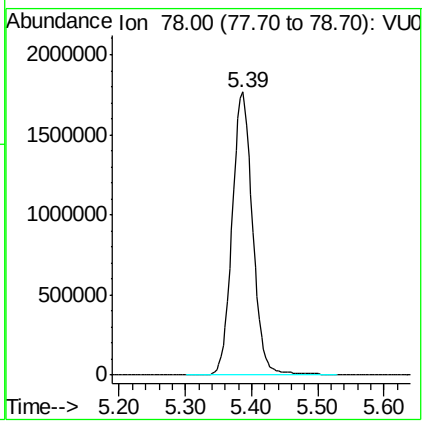


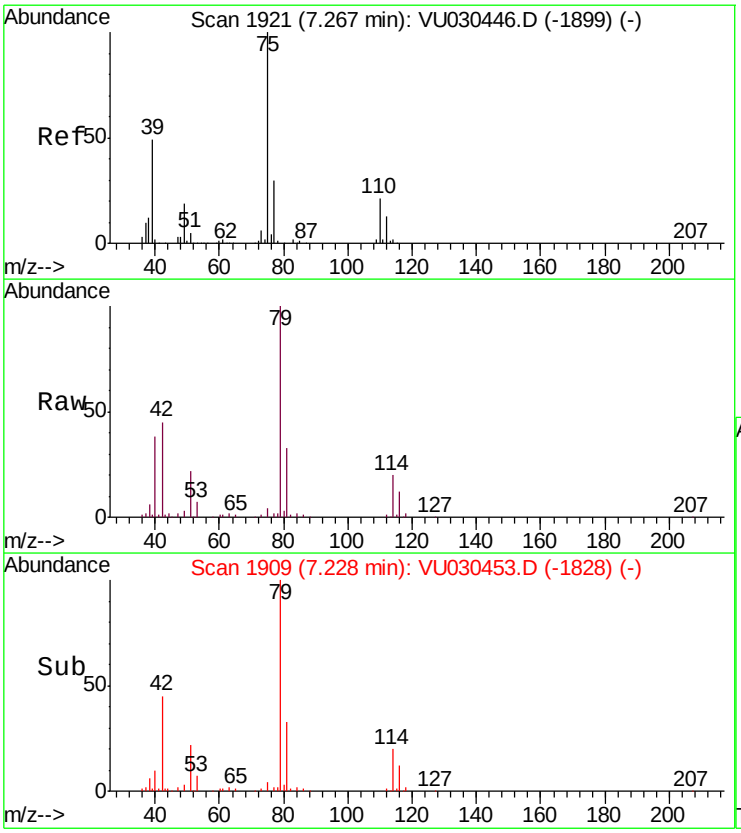


#33
Benzene
Concen: 250.422 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
C09D9

Tgt Ion: 78 Resp: 3793475

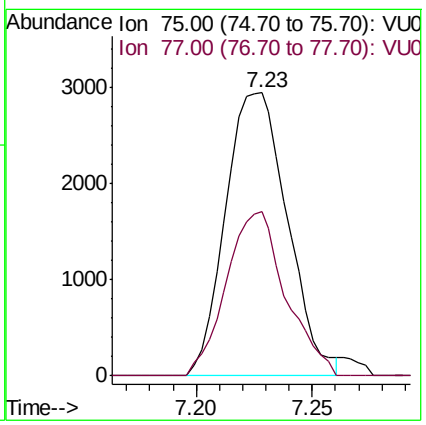


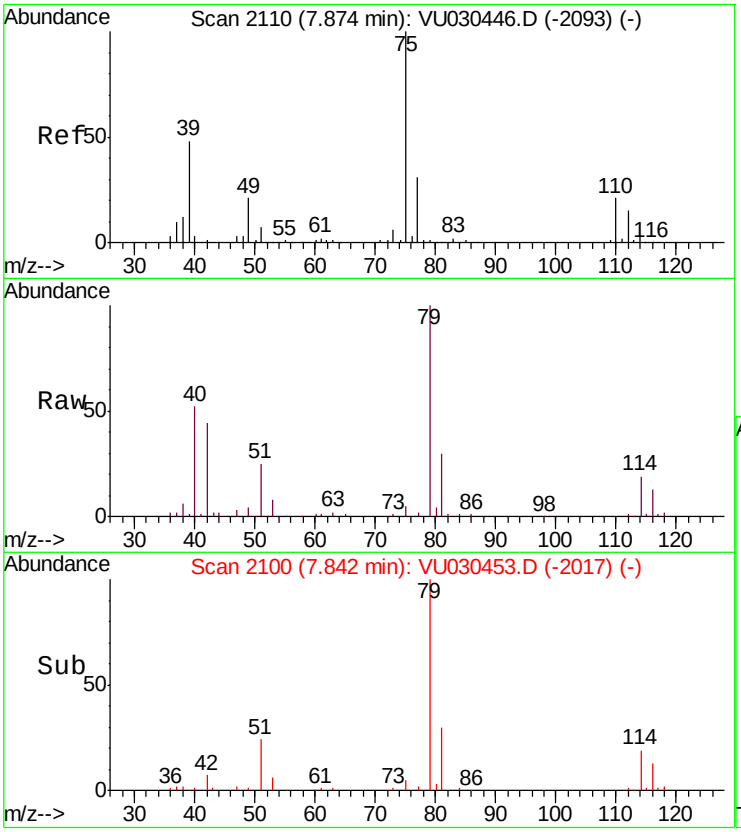


#39
cis-1,3-Dichloropropene
Concen: 0.886 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.04 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Tgt Ion: 75 Resp: 5472

Ion	Ratio	Lower	Upper
75	100		
77	58.3	21.8	40.6#



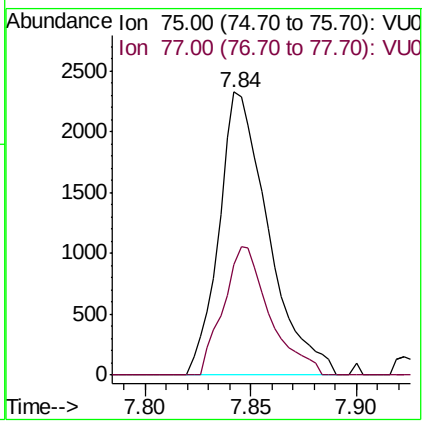


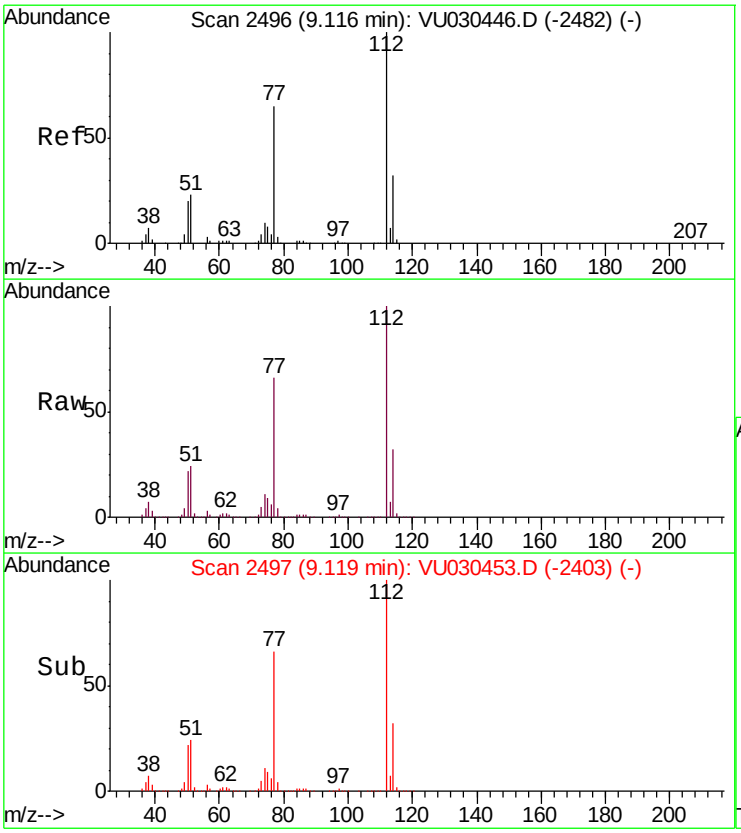
#44
trans-1,3-Dichloropropene
Concen: 0.697 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.03 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
C09D9

Tgt Ion: 75 Resp: 3790

Ion	Ratio	Lower	Upper
75	100		
77	38.9	22.0	40.8

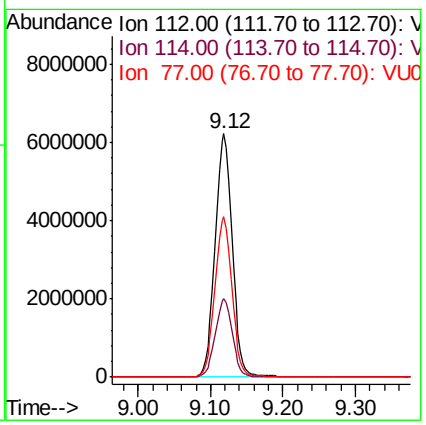


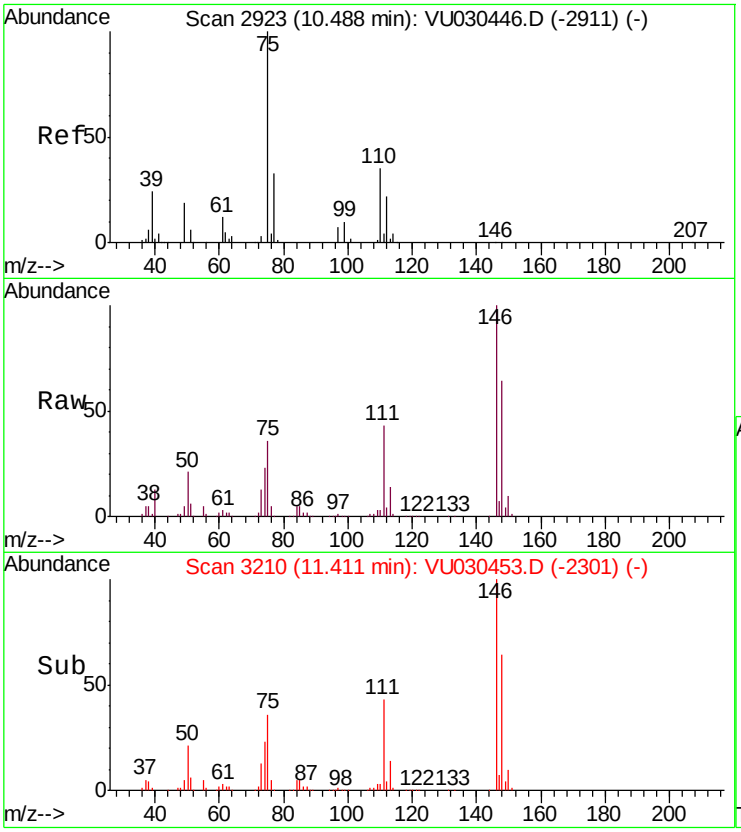


#51
Chlorobenzene
Concen: 1074.815 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Tgt Ion:112 Resp:10241018

Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.5	39.9
77	65.8	51.4	77.0



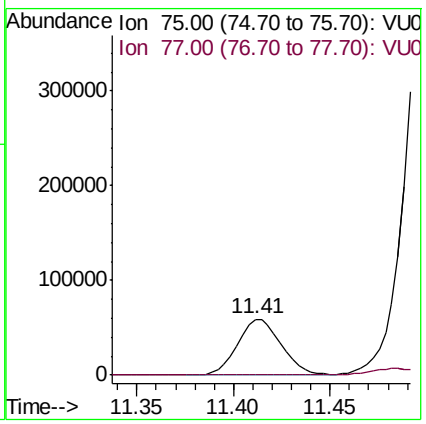


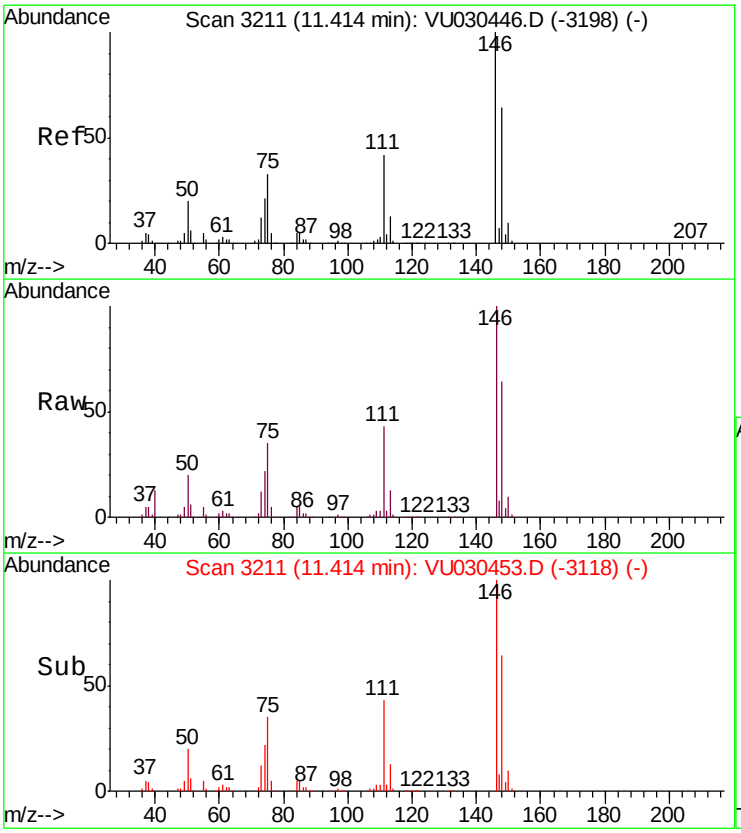
#59
1,2,3-Trichloropropane
Concen: 17.722 ug/L
RT: 11.41 min Scan# 3210
Delta R.T. 0.92 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Instrument : MSVOA_U
ClientSampleId : C09D9

Tgt Ion: 75 Resp: 92732

Ion	Ratio	Lower	Upper
75	100		
77	1.0	25.4	38.2#

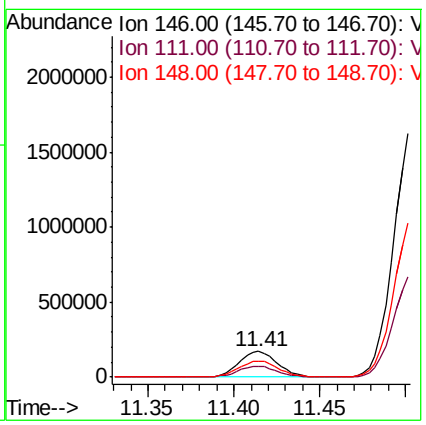


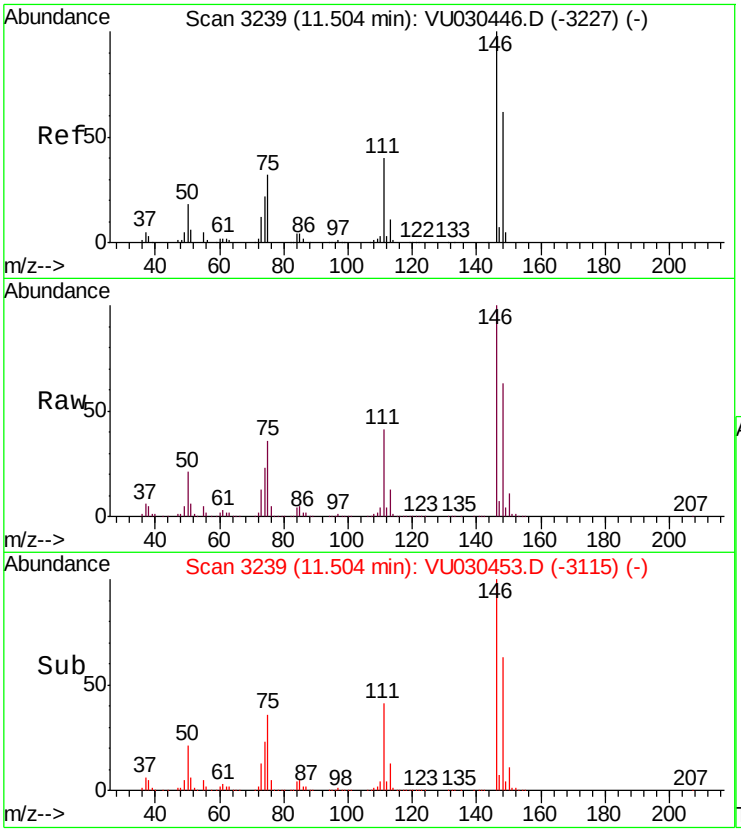


#62
1,3-Dichlorobenzene
Concen: 39.293 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Tgt Ion:146 Resp: 268052

Ion	Ratio	Lower	Upper
146	100		
111	42.6	29.2	54.2
148	64.3	44.4	82.4



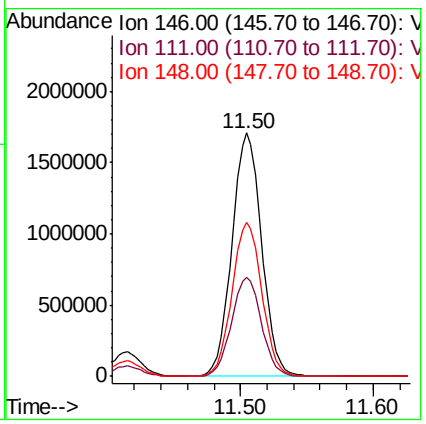


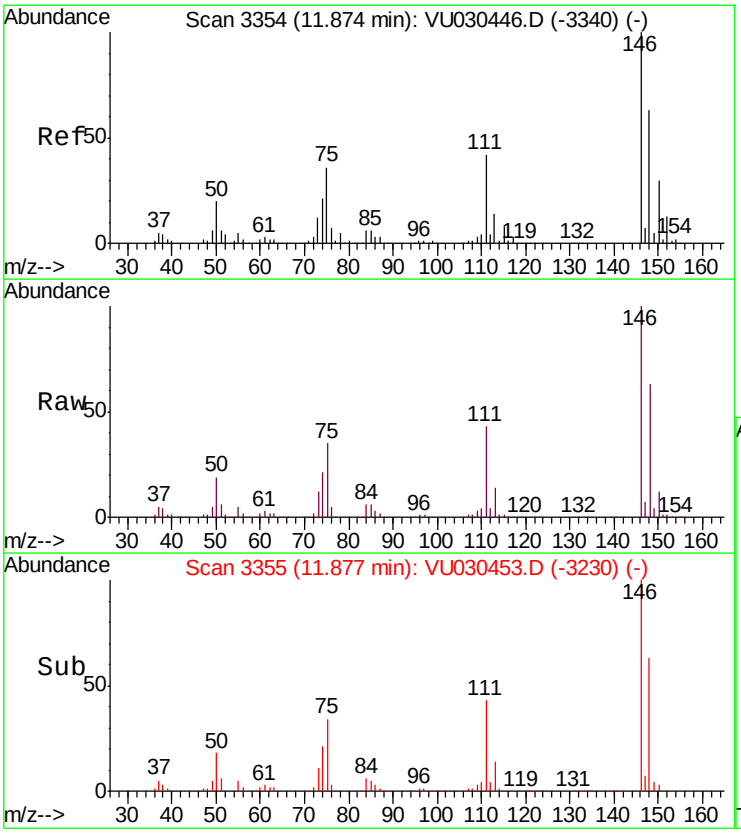
#63
1,4-Dichlorobenzene
Concen: 377.285 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Instrument : MSVOA_U
ClientSampleId : C09D9

Tgt Ion:146 Resp: 2649668

Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.7	53.3
148	63.1	44.3	82.3

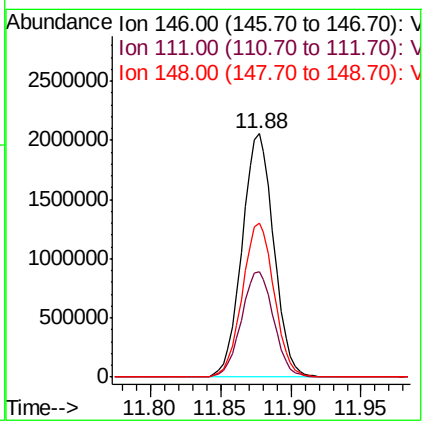


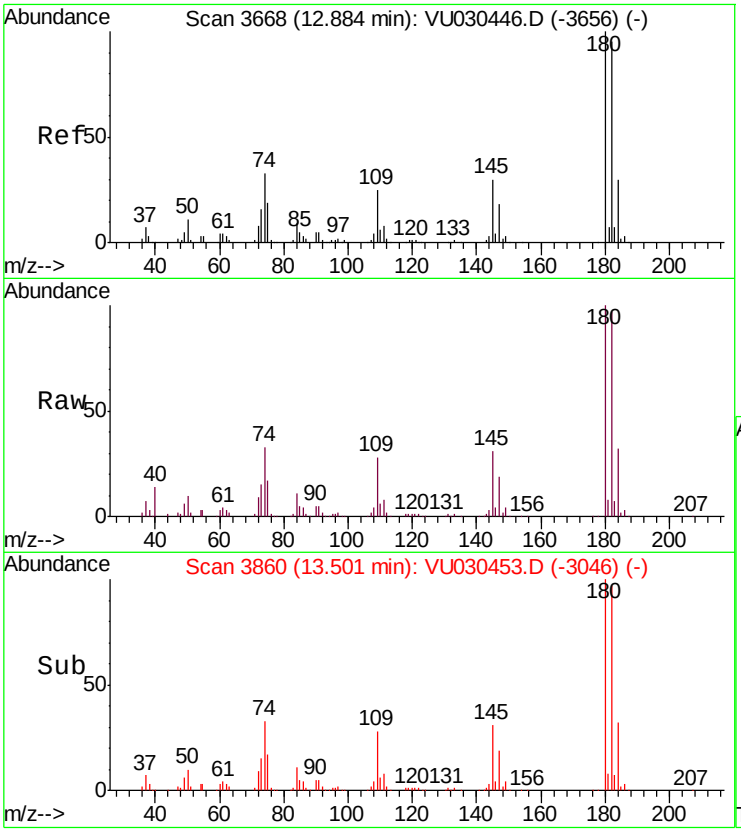


#65
1,2-Dichlorobenzene
Concen: 469.698 ug/L
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Tgt Ion:146 Resp: 3239991

Ion	Ratio	Lower	Upper
146	100		
111	43.4	34.9	52.3
148	63.5	51.2	76.8



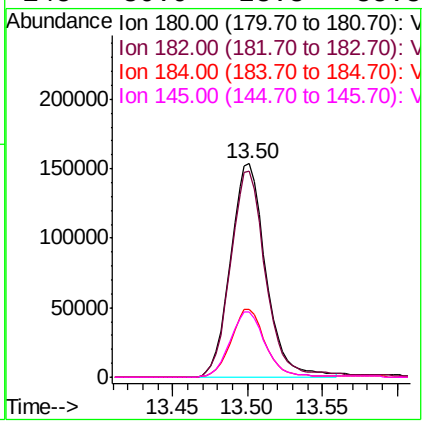


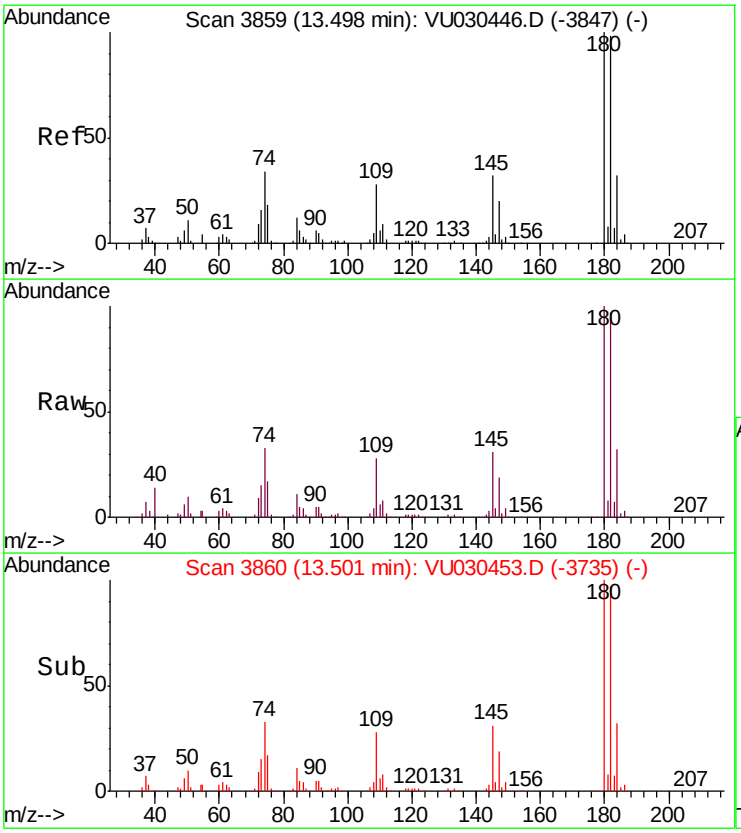
#67
1,3,5-Trichlorobenzene
Concen: 49.407 ug/L
RT: 13.50 min Scan# 3860
Delta R.T. 0.62 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
C09D9

Tgt Ion:180 Resp: 252327

Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.9	113.9
184	31.2	24.1	36.1
145	30.9	23.8	35.8

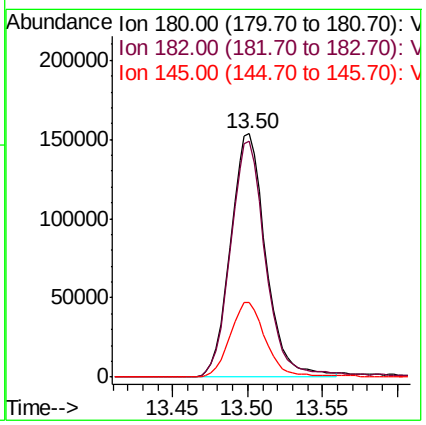


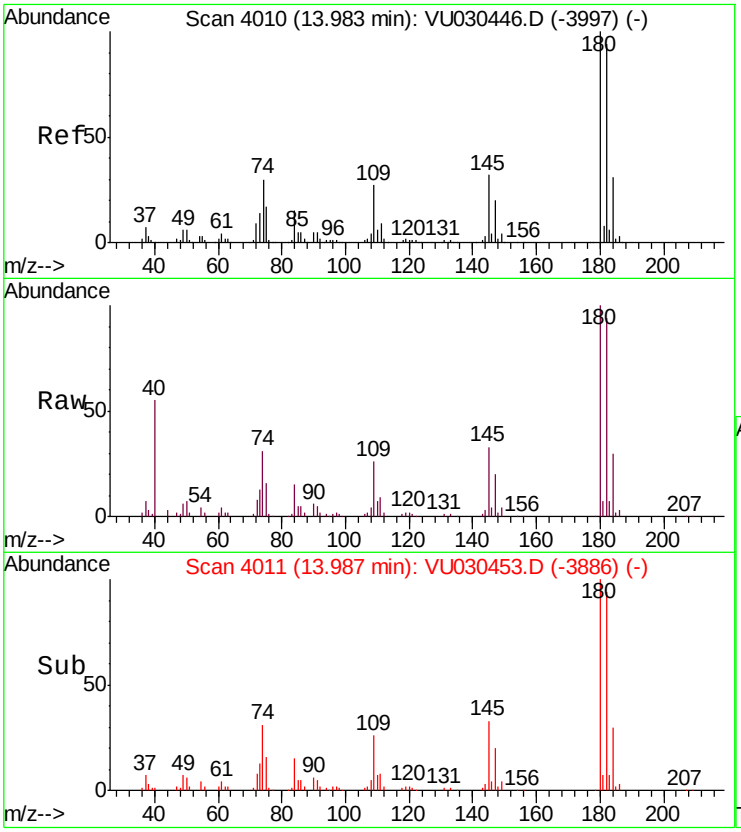


#68
1,2,4-trichlorobenzene
Concen: 56.864 ug/L
RT: 13.50 min Scan# 3860
Delta R.T. 0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Tgt Ion:180 Resp: 252327

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.1	114.1
145	30.9	24.5	36.7





#70
1,2,3-Trichlorobenzene
Concen: 15.307 ug/L
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
C09D9

Tgt Ion:180 Resp: 71725

Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.4	116.2
145	32.6	25.9	38.9