Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052019\

Quantitation Report (Not Reviewed)

Data File : VU032159.D
Acq On : 20 May 2019 17:00
Operator : JC/SP
Sample : K2860-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9W35

Quant Time: May 21 08:32:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 21 08:29:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	357522	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	360370	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	145546	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	110276	3.66	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 73.20%			
7) Chloroethane-d5	1.68	69	94009	3.65	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 73.00%			
11) 1,1-Dichloroethene-d2	2.27	63	154886	3.23	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 64.60%			
20) 2-Butanone-d5	4.20	46	246399	41.67	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 83.34%			
24) Chloroform-d	4.64	84	218037	4.12	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 82.40%			
26) 1,2-Dichloroethane-d4	5.31	65	109822	4.02	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 80.40%			
32) Benzene-d6	5.33	84	445098	4.05	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 81.00%			
36) 1,2-Dichloropropane-d6	6.33	67	131956	4.11	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 82.20%			
41) Toluene-d8	7.56	98	357402	3.69	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 73.80%			
43) trans-1,3-Dichloropropene-	7.85	79	44469	3.84	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 76.80%			
46) 2-Hexanone-d5	8.31	63	210382	40.28	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 80.56%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112416	4.28	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 85.60%			
64) 1,2-Dichlorobenzene-d4	11.86	152	141293	4.58	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 91.60%			
Target Compounds						Qvalue
3) Chloromethane	1.32	50	2719	0.158	ug/L #	59
12) 1,1-Dichloroethene	2.27	96	1925	0.134	ug/L #	1
13) Acetone	2.34	43	46402	23.906	ug/L	97
15) Methyl Acetate	2.34	43	36381	6.537	ug/L #	43
16) Methylene chloride	2.70	84	3183	0.186	ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	3162	0.206	ug/L #	85
21) 2-Butanone	4.30	43	5503	1.975	ug/L #	66
22) cis-1,2-Dichloroethene	4.22	96	6424	0.425	ug/L	83
23) Bromochloromethane	4.55	128	1422	0.219	ug/L #	83
25) Chloroform	4.67	83	47065	1.805	ug/L	99
34) Trichloroethene	6.18	95	17677	1.178	ug/L	91
35) Methylcyclohexane	6.33	83	32023	1.482	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	14407	1.065	ug/L #	87
38) Bromodichloromethane	6.75	83	62293	3.600	ug/L	98
39) cis-1,3-Dichloropropene	7.23	75	3033	0.162	ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	1984	0.136	ug/L #	29
47) Tetrachloroethene	8.23	164	6705	0.598	ug/L	74

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052019\

Quantitation Report (Not Reviewed)

Data File : VU032159.D
Acq On : 20 May 2019 17:00
Operator : JC/SP
Sample : K2860-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9W35

Quant Time: May 21 08:32:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 21 08:29:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 2-Hexanone	8.37	43	9651	1.984	ug/L	#	53
49) Dibromochloromethane	8.47	129	53179	4.617	ug/L		99
59) 1,2,3-Trichloropropane	10.22	75	1589	0.185	ug/L	#	42
61) Bromoform	9.95	173	11953	2.140	ug/L		97

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052019\

Quantitation Report (Not Reviewed)

Data File : VU032159.D
Acq On : 20 May 2019 17:00
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Sample : K2860-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

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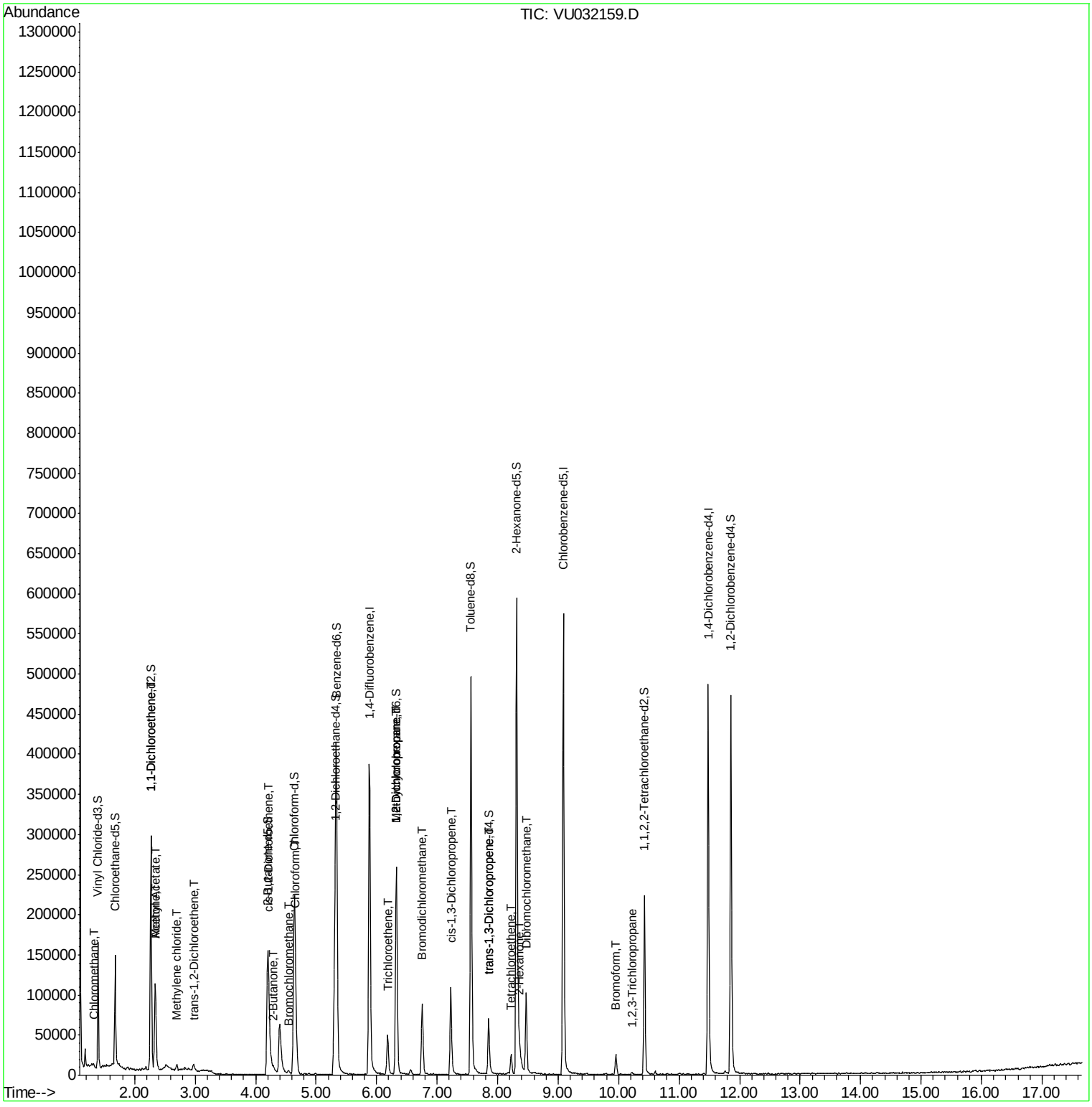
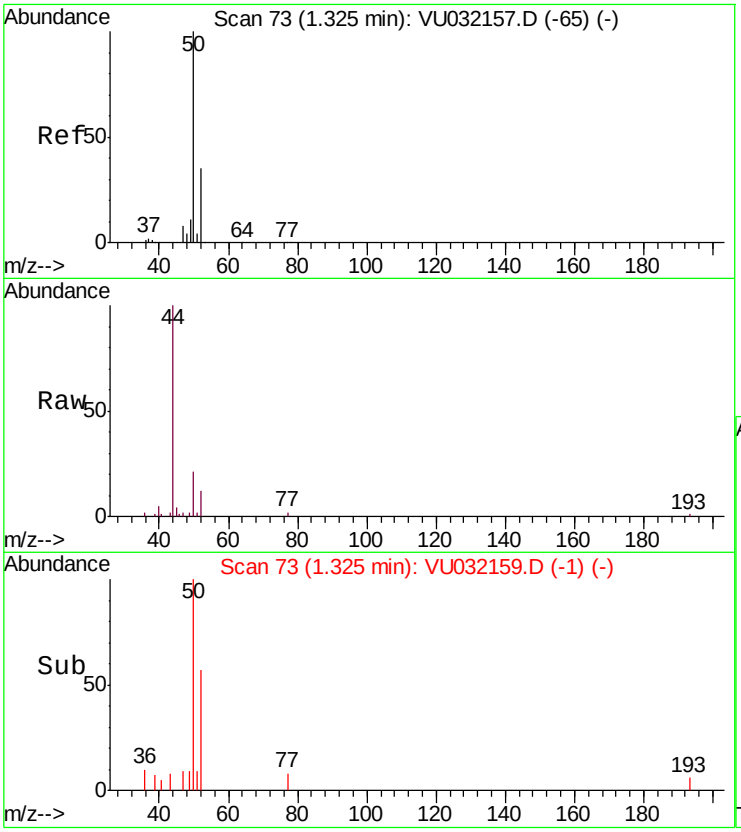
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 21 08:29:49 2019
Response via : Initial Calibration



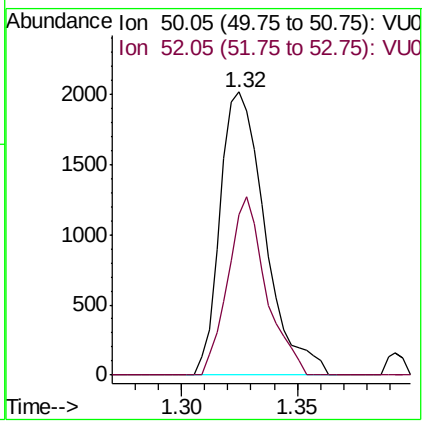


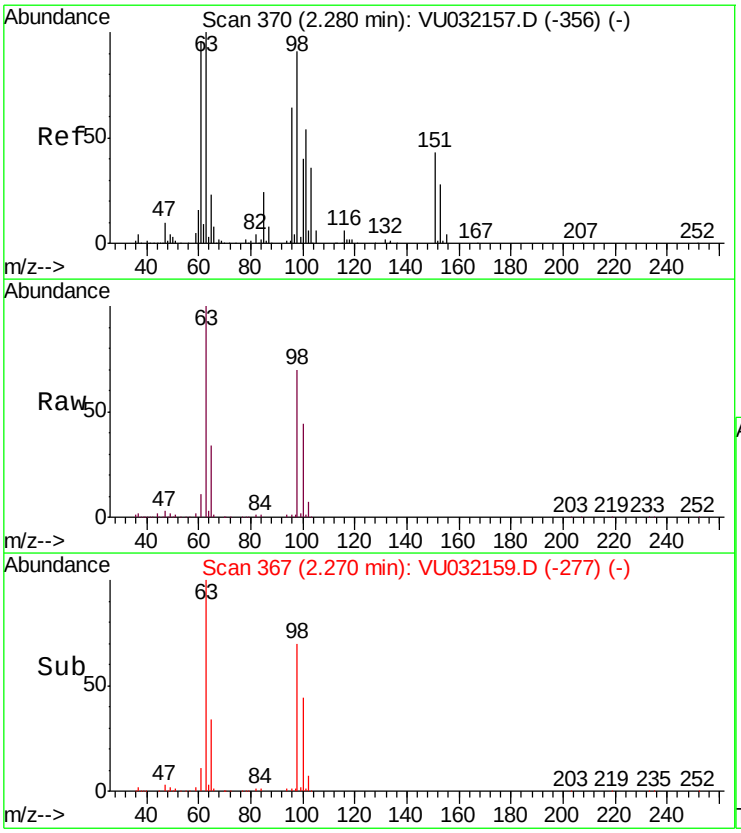
#3
Chloromethane
Concen: 0.158 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.00 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument :
MSVOA_U
ClientSampleId :
F9W35

Tgt Ion: 50 Resp: 2719

Ion	Ratio	Lower	Upper
50	100		
52	56.6	23.2	43.0#

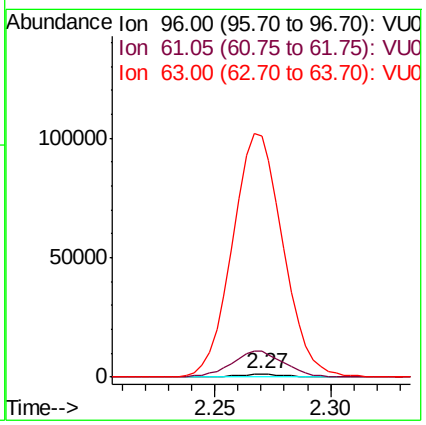


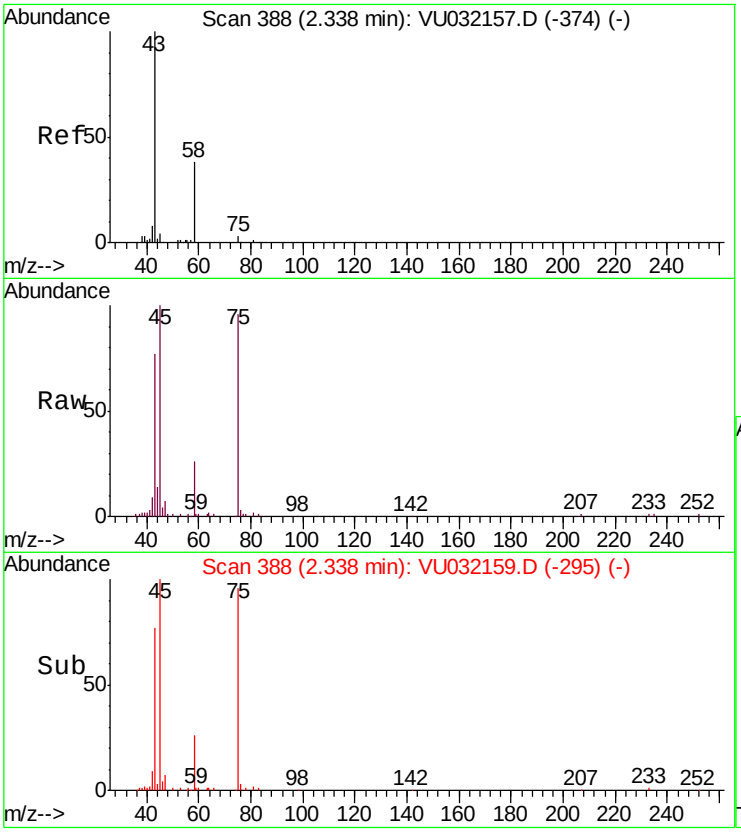


#12
1,1-Dichloroethene
Concen: 0.134 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Tgt Ion: 96 Resp: 1925

Ion	Ratio	Lower	Upper
96	100		
61	860.1	111.7	207.5#
63	8182.5	152.2	282.6#



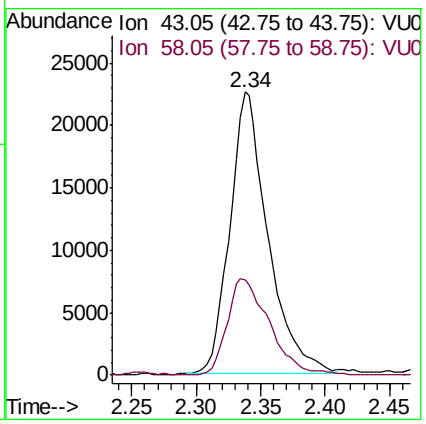


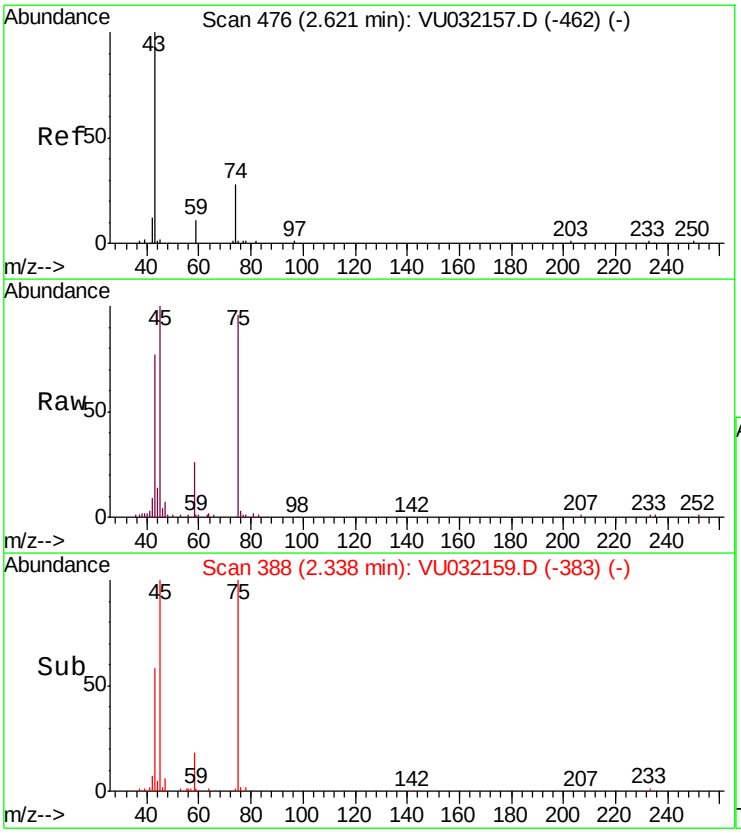
#13
Acetone
Concen: 23.906 ug/L
RT: 2.34 min Scan# 388
Delta R.T. -0.00 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument :
MSVOA_U
ClientSampleId :
F9W35

Tgt Ion: 43 Resp: 46402

Ion	Ratio	Lower	Upper
43	100		
58	37.9	0.0	78.8

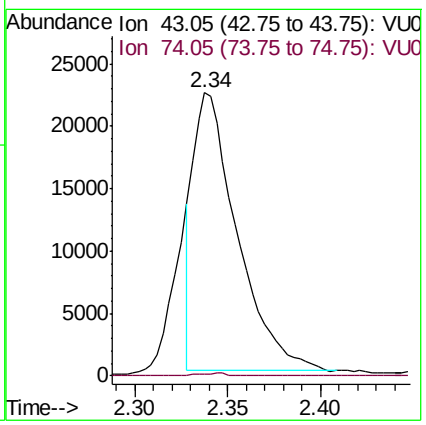


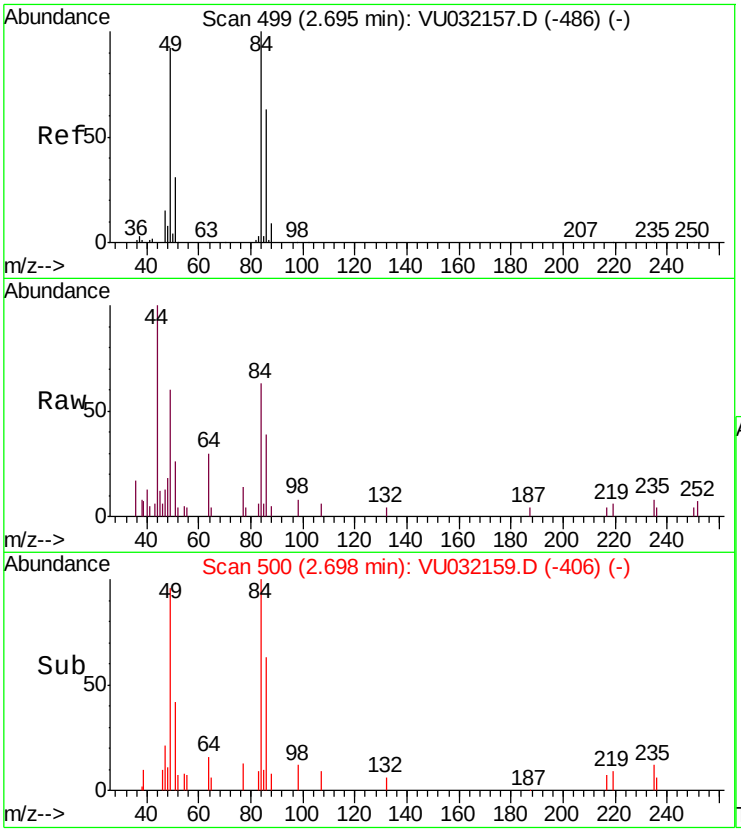


#15
Methyl Acetate
Concen: 6.537 ug/L
RT: 2.34 min Scan# 388
Delta R.T. -0.28 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Tgt Ion: 43 Resp: 36381

Ion	Ratio	Lower	Upper
43	100		
74	0.5	26.4	39.6#



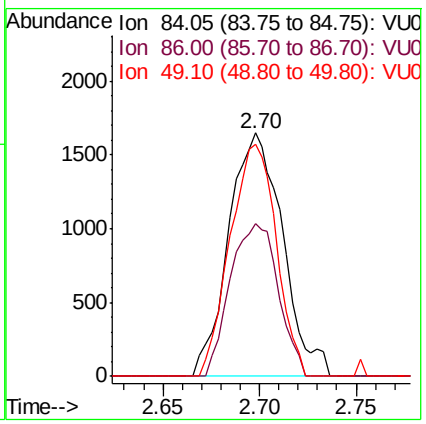


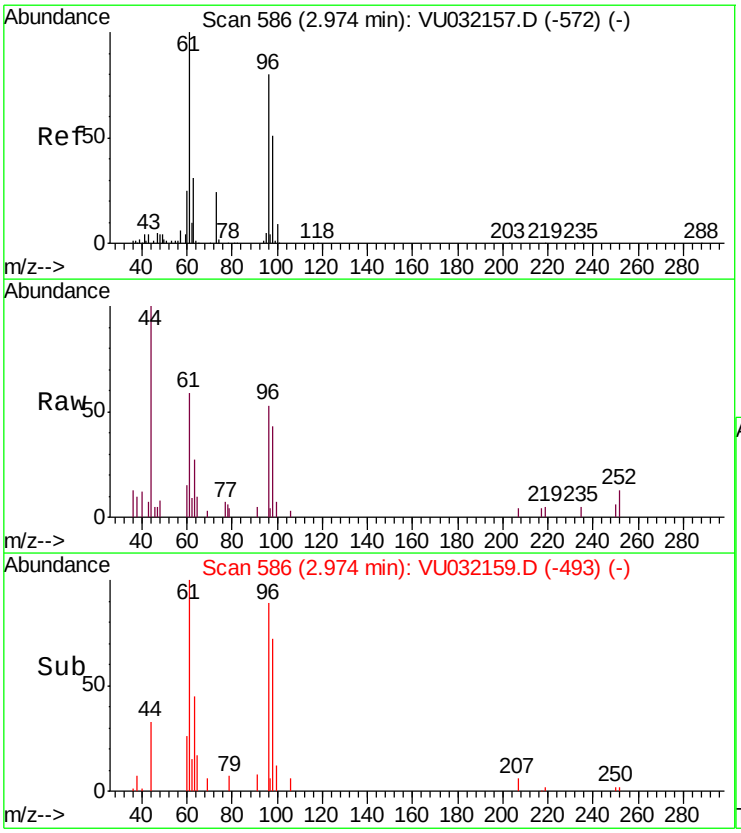
#16
Methylene chloride
Concen: 0.186 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument : MSVOA_U
ClientSampleId : F9W35

Tgt Ion: 84 Resp: 3183

Ion	Ratio	Lower	Upper
84	100		
86	62.6	43.1	80.1
49	95.5	67.7	125.7

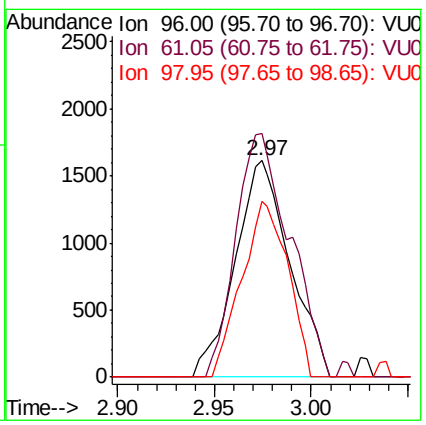


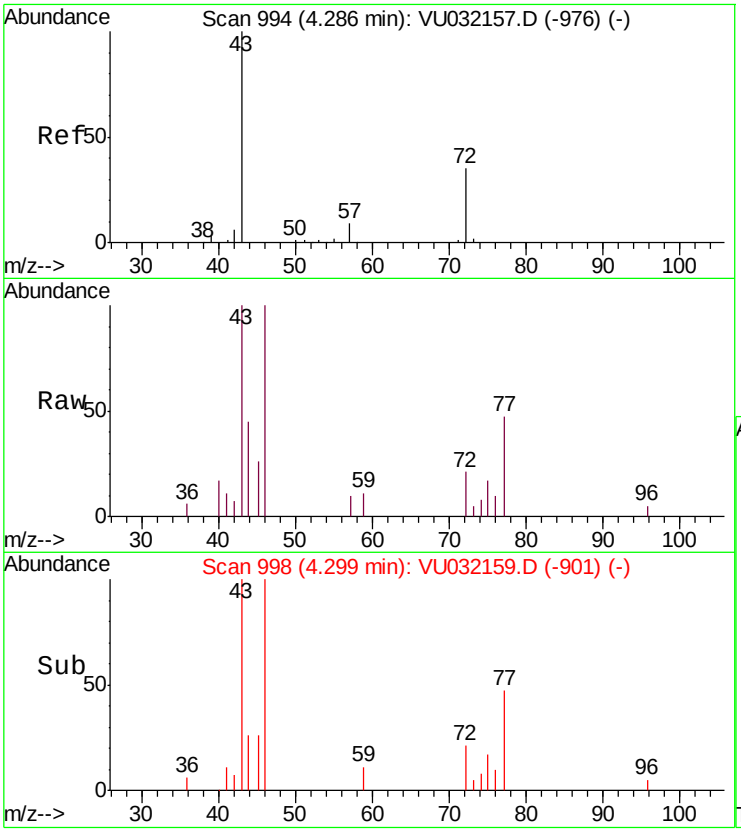


#18
trans-1,2-Dichloroethene
Concen: 0.206 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Tgt Ion: 96 Resp: 3162

Ion	Ratio	Lower	Upper
96	100		
61	112.5	86.5	160.7
98	81.4	43.5	80.9#



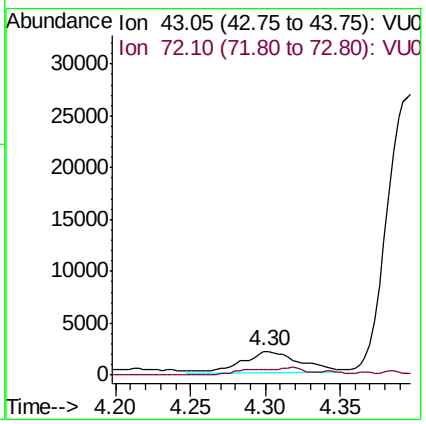


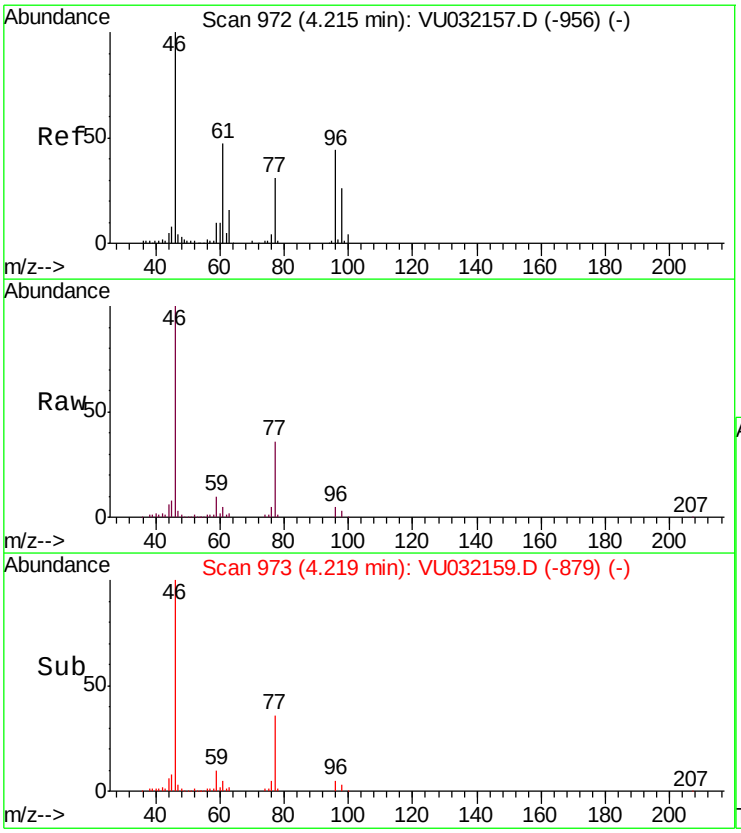
#21
2-Butanone
Concen: 1.975 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.01 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument : MSVOA_U
ClientSampleId : F9W35

Tgt Ion: 43 Resp: 5503

Ion	Ratio	Lower	Upper
43	100		
72	14.1	16.8	50.3#

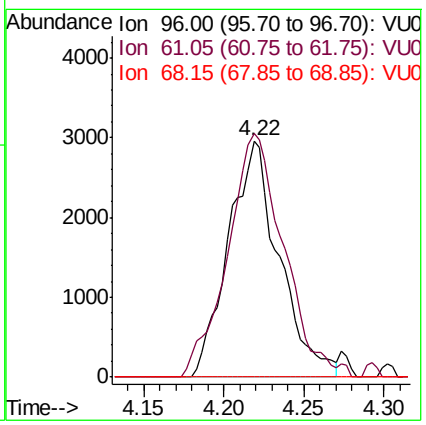


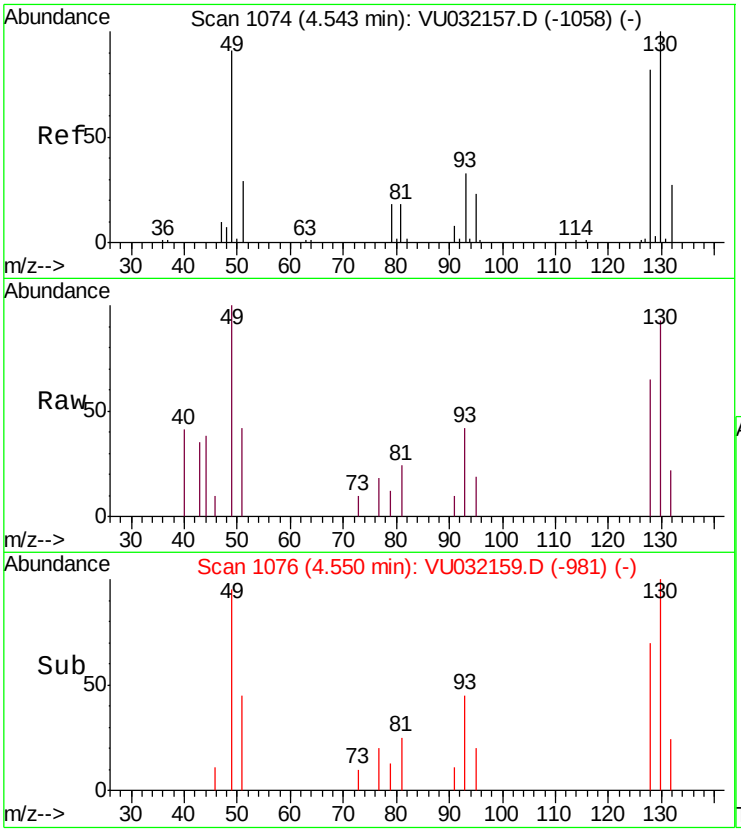


#22
cis-1,2-Dichloroethene
Concen: 0.425 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Tgt Ion: 96 Resp: 6424

Ion	Ratio	Lower	Upper
96	100		
61	103.0	85.8	159.4
68	0.0	0.0	0.0



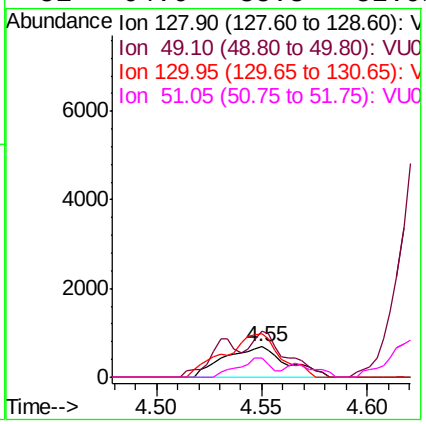


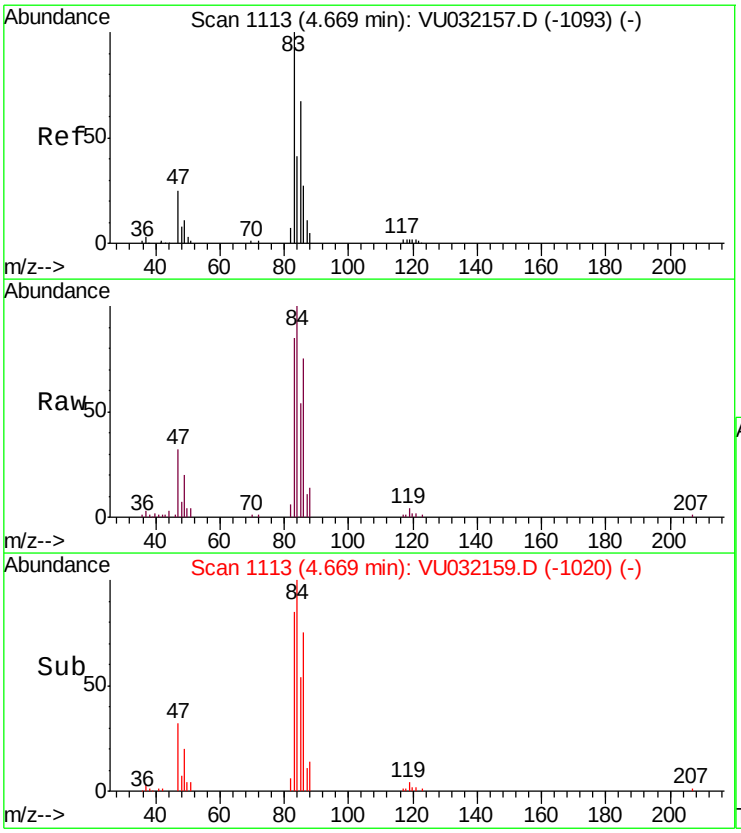
#23
Bromochloromethane
Concen: 0.219 ug/L
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument : MSVOA_U
ClientSampleId : F9W35

Tgt Ion:128 Resp: 1422

Ion	Ratio	Lower	Upper
128	100		
49	153.0	92.2	171.2
130	142.5	90.3	167.7
51	64.6	35.3	52.9#

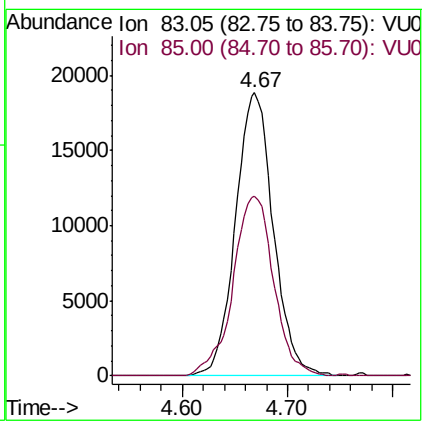


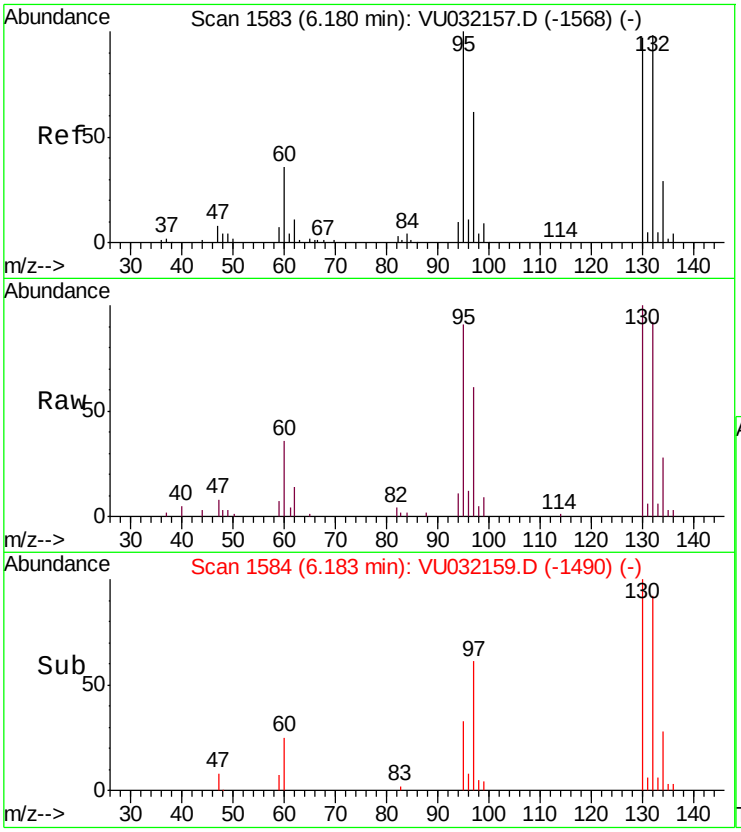


#25
Chloroform
Concen: 1.805 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Tgt Ion: 83 Resp: 47065

Ion	Ratio	Lower	Upper
83	100		
85	63.3	44.9	83.3



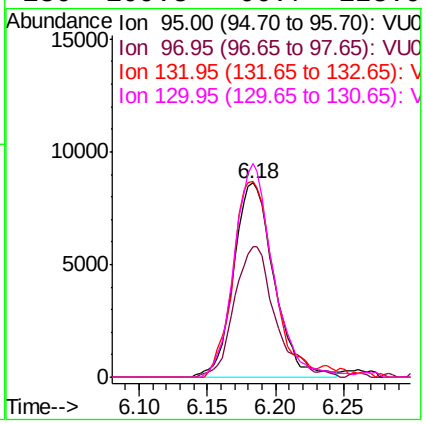


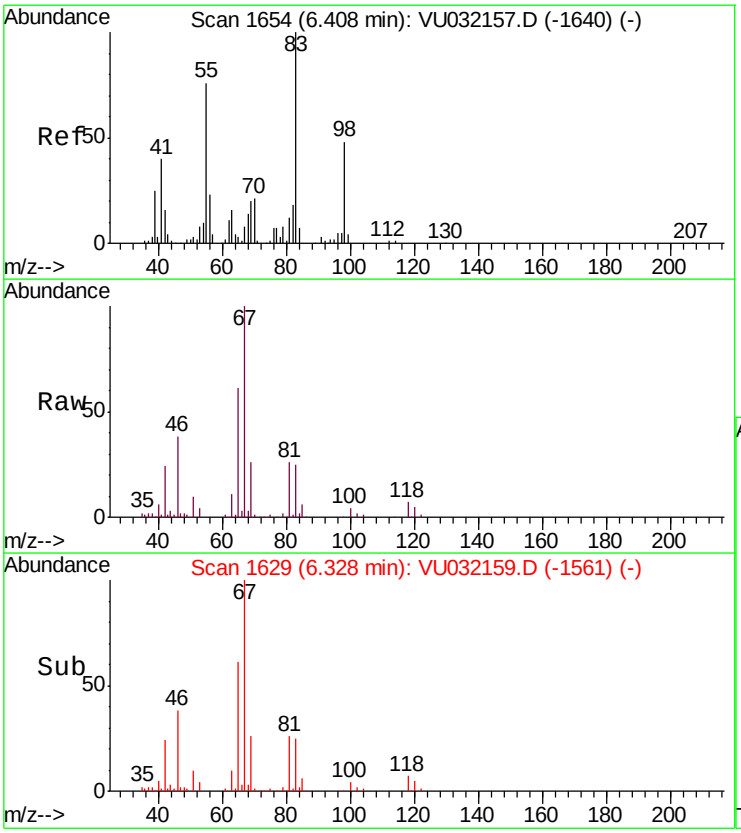
#34
Trichloroethene
Concen: 1.178 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument :
MSVOA_U
ClientSampleId :
F9W35

Tgt Ion: 95 Resp: 17677

Ion	Ratio	Lower	Upper
95	100		
97	66.8	45.2	84.0
132	100.6	66.1	122.7
130	109.8	66.7	123.9

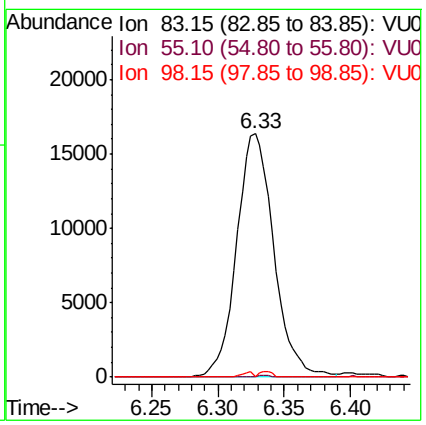


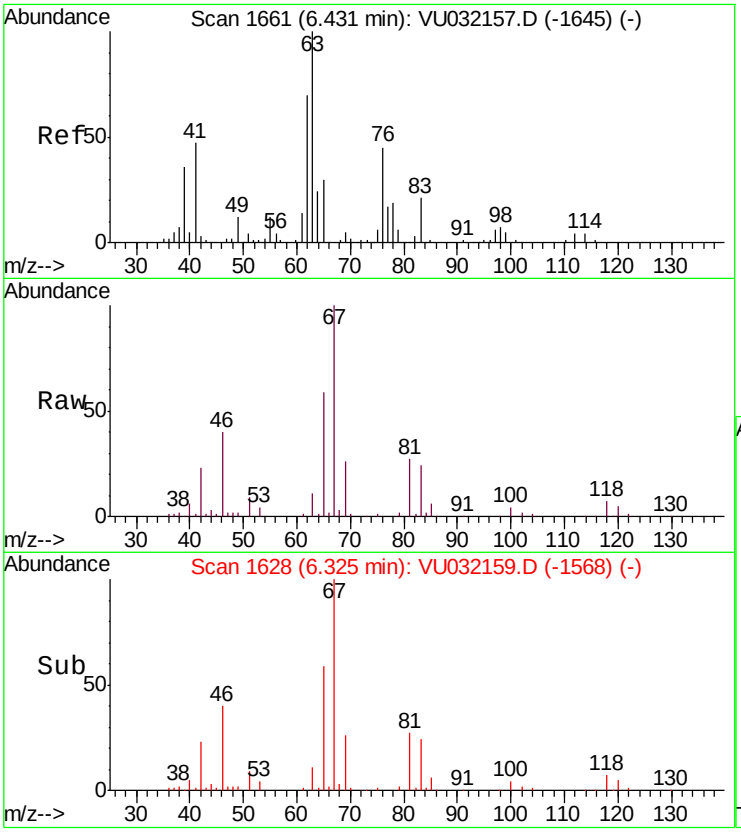


#35
Methylcyclohexane
Concen: 1.482 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Tgt Ion: 83 Resp: 32023

Ion	Ratio	Lower	Upper
83	100		
55	0.0	59.7	89.5#
98	0.6	36.8	55.2#



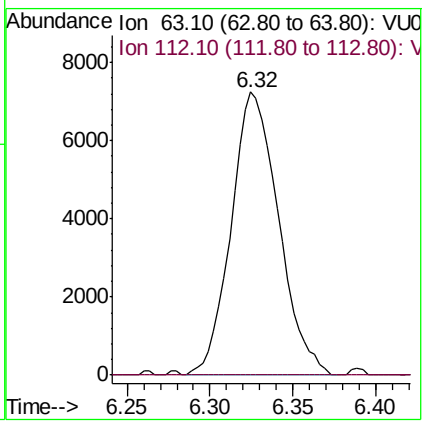


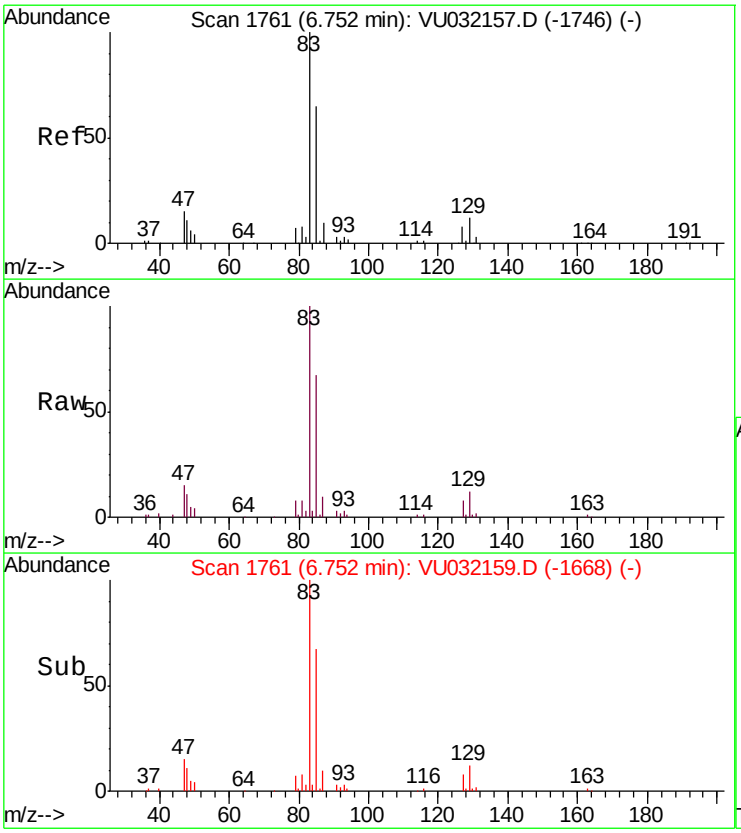
#37
1,2-Dichloropropane
Concen: 1.065 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.11 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument : MSVOA_U
ClientSampleId : F9W35

Tgt Ion: 63 Resp: 14407

Ion	Ratio	Lower	Upper
63	100		
112	0.3	3.8	5.6#

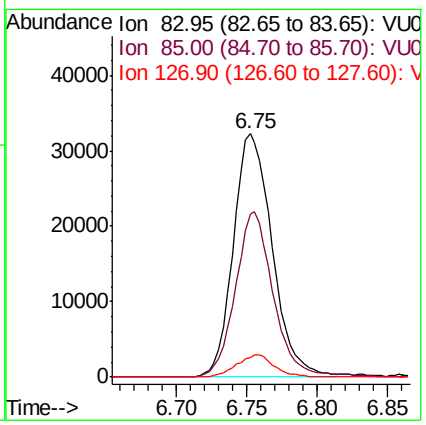


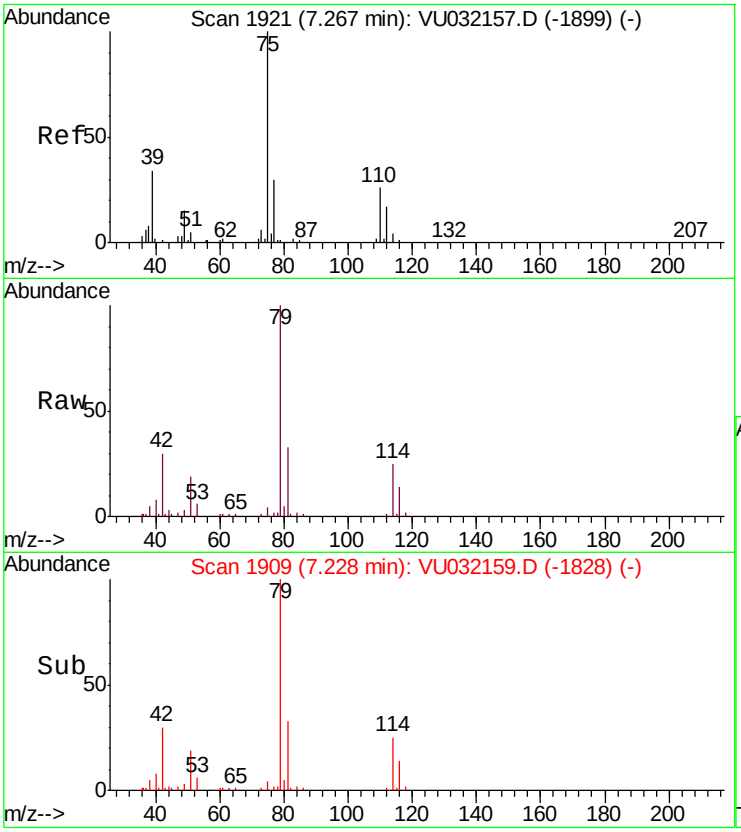


#38
Bromodichloromethane
Concen: 3.600 ug/L
RT: 6.75 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Tgt Ion: 83 Resp: 62293

Ion	Ratio	Lower	Upper
83	100		
85	66.9	45.5	84.5
127	8.3	6.3	9.5



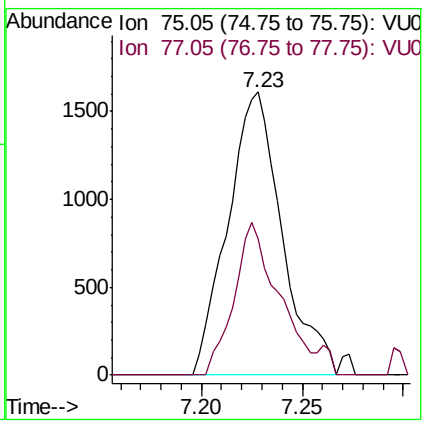


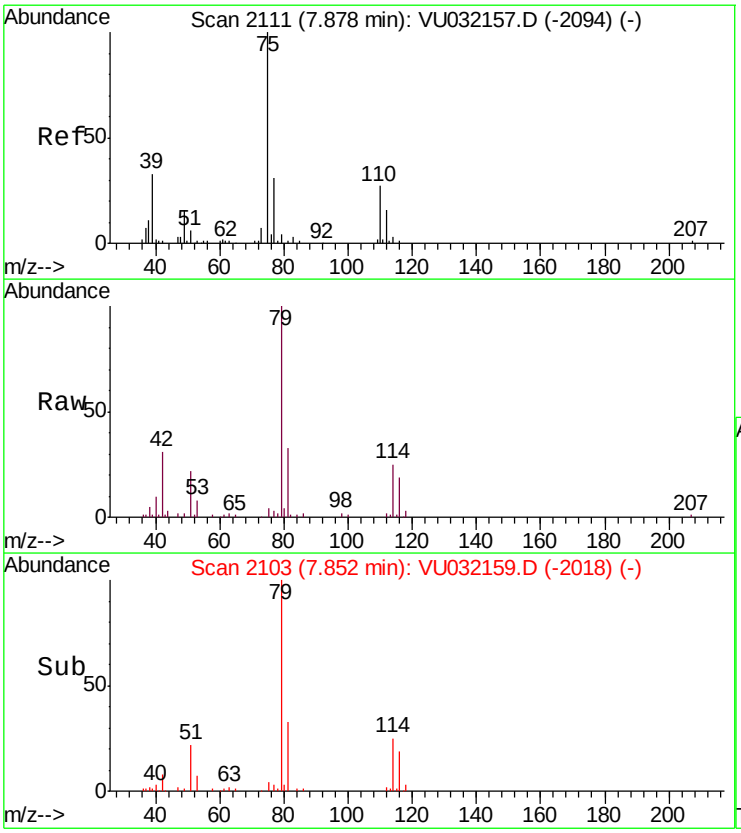
#39
cis-1,3-Dichloropropene
Concen: 0.162 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.04 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument :
MSVOA_U
ClientSampleId :
F9W35

Tgt Ion: 75 Resp: 3033

Ion	Ratio	Lower	Upper
75	100		
77	48.1	21.7	40.3#

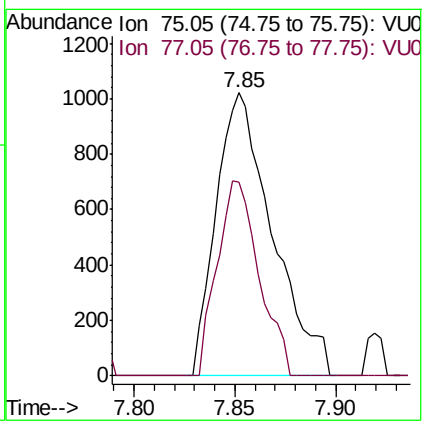


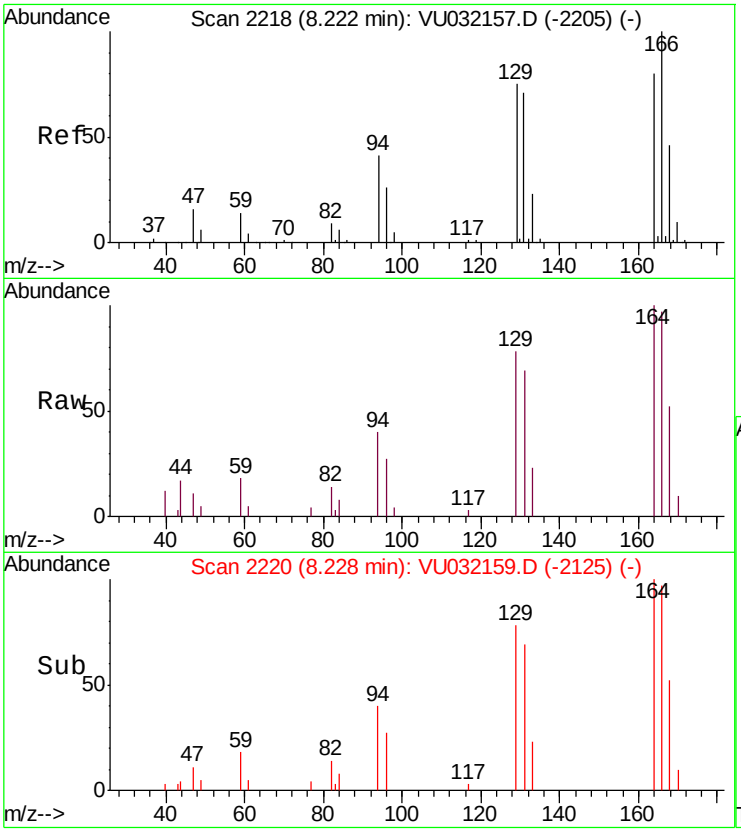


#44
trans-1,3-Dichloropropene
Concen: 0.136 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. -0.03 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Tgt Ion: 75 Resp: 1984

Ion	Ratio	Lower	Upper
75	100		
77	68.3	21.0	39.0#



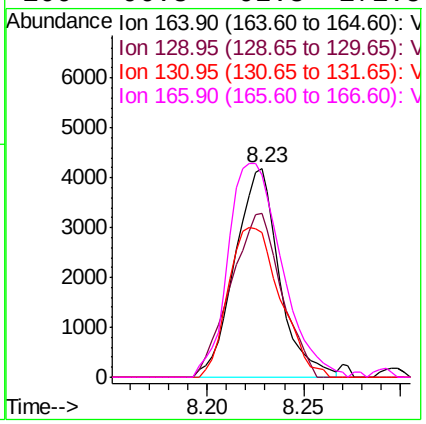


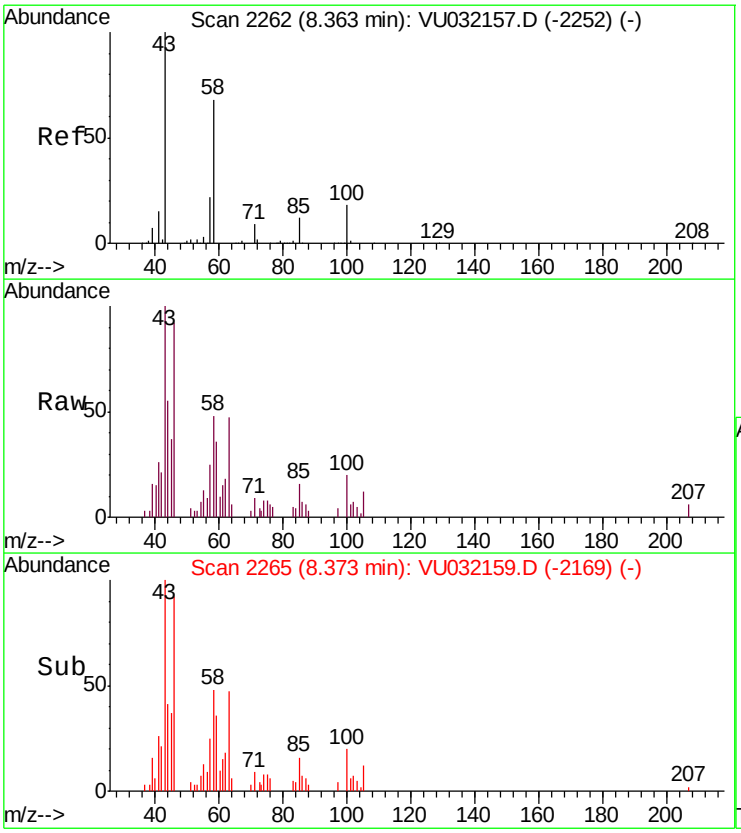
#47
Tetrachloroethene
Concen: 0.598 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument : MSVOA_U
ClientSampleId : F9W35

Tgt Ion:164 Resp: 6705

Ion	Ratio	Lower	Upper
164	100		
129	78.4	70.3	130.5
131	69.2	64.5	119.9
166	96.8	92.3	171.5

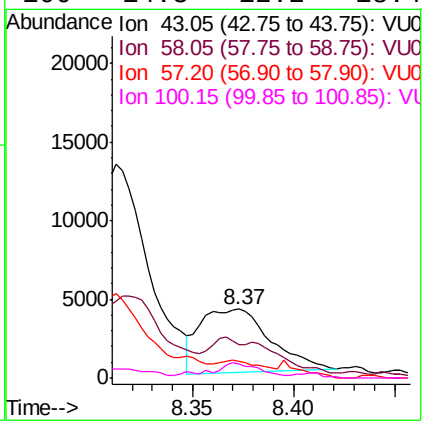


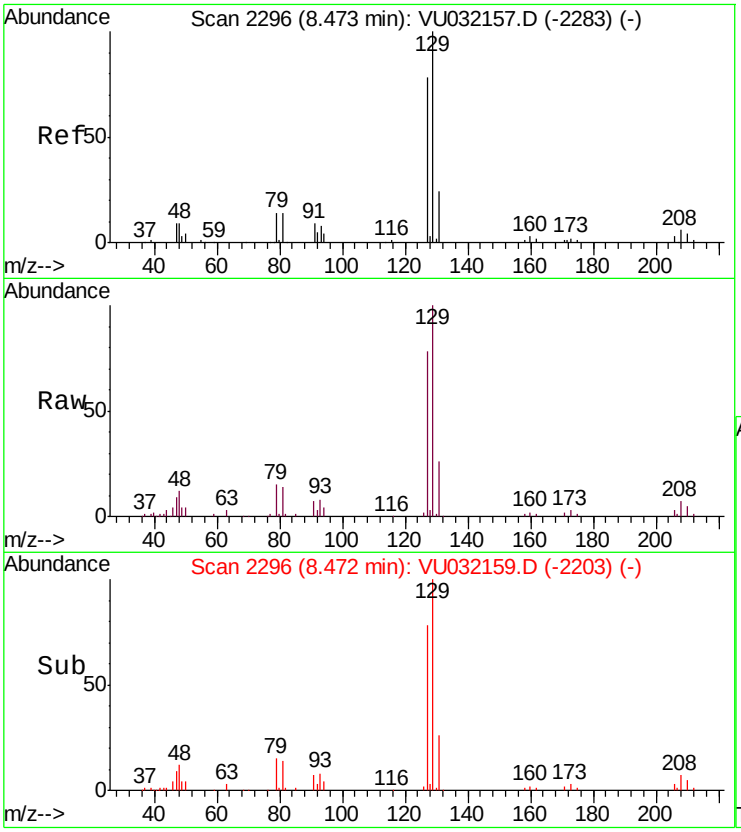


#48
2-Hexanone
Concen: 1.984 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Tgt Ion: 43 Resp: 9651

Ion	Ratio	Lower	Upper
43	100		
58	9.0	51.6	77.4#
57	17.5	18.4	27.6#
100	14.3	12.2	18.4



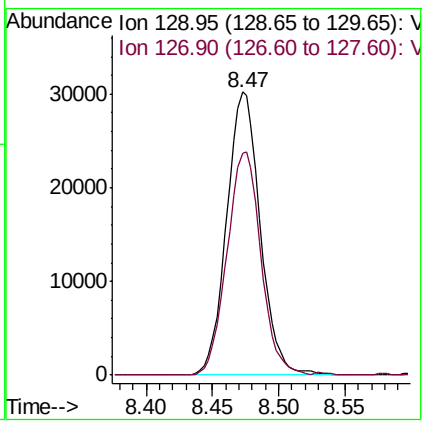


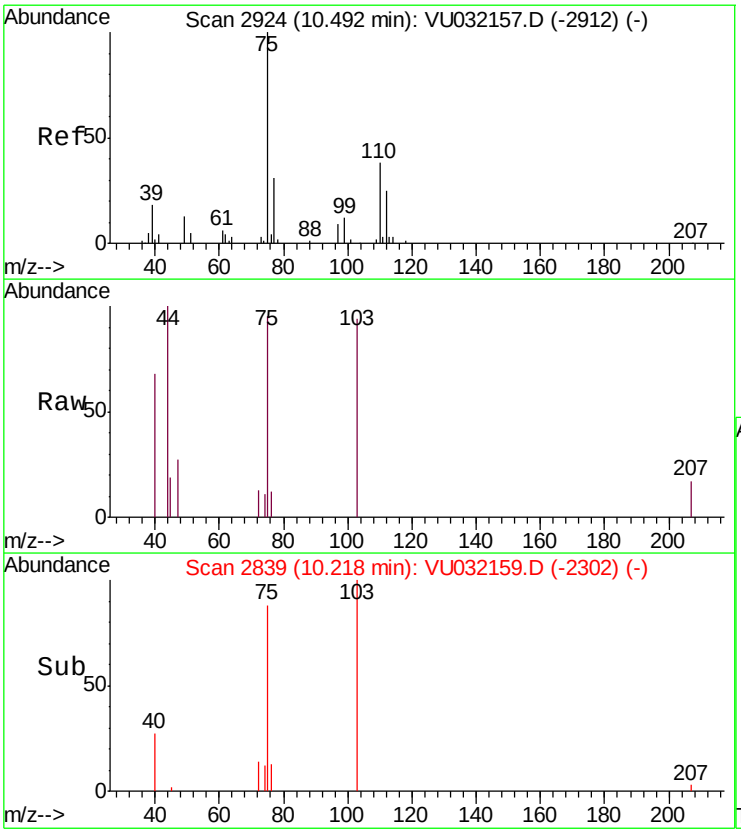
#49
Dibromochloromethane
Concen: 4.617 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument :
MSVOA_U
ClientSampleId :
F9W35

Tgt Ion:129 Resp: 53179

Ion	Ratio	Lower	Upper
129	100		
127	78.4	55.2	102.6

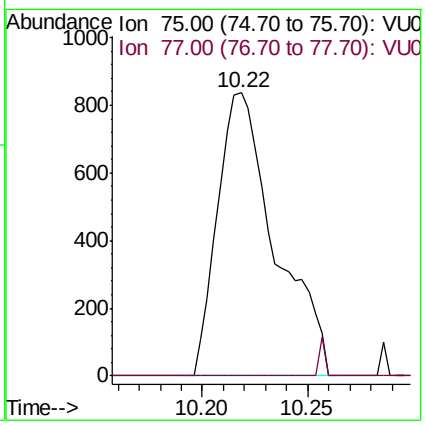


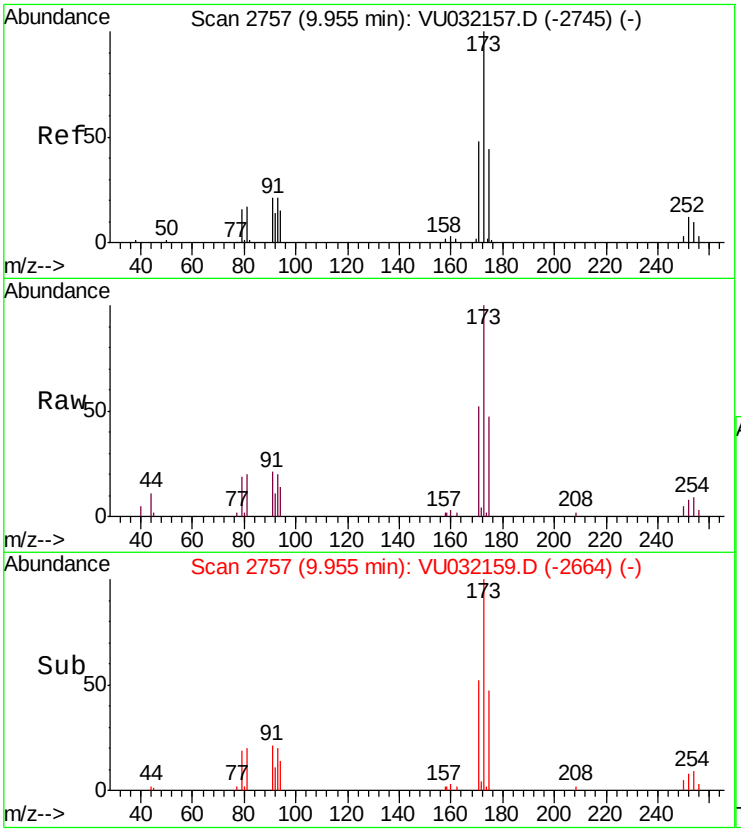


#59
1,2,3-Trichloropropane
Concen: 0.185 ug/L
RT: 10.22 min Scan# 2839
Delta R.T. -0.27 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Tgt Ion: 75 Resp: 1589

Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.2	39.2#





#61
Bromoform
Concen: 2.140 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU032159.D
Acq: 20 May 2019 17:00

Instrument :
MSVOA_U
ClientSampleId :
F9W35

Tgt Ion:173 Resp: 11953

Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.0	57.0
254	8.5	7.8	11.6