Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051519\

Quantitation Report (Not Reviewed)

Data File : VU032020.D
Acq On : 15 May 2019 10:39
Operator : JC/SP
Sample : K2738-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8A1

Quant Time: May 16 04:27:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 04:24:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1023698	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	999255	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	461132	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	350478	39.01	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 78.02%			
7) Chloroethane-d5	1.67	69	296894	40.82	ug/L	0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 81.64%			
11) 1,1-Dichloroethene-d2	2.27	63	495202	30.75	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 61.50%			
21) 2-Butanone-d5	4.17	46	681090	108.28	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 108.28%			
24) Chloroform-d	4.64	84	622411	41.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 82.78%			
26) 1,2-Dichloroethane-d4	5.30	65	401154	42.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.72%			
32) Benzene-d6	5.34	84	1328667	45.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.86%			
36) 1,2-Dichloropropane-d6	6.32	67	438688	45.96	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.92%			
41) Toluene-d8	7.56	98	1132536	43.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.40%			
43) trans-1,3-Dichloropropene-	7.85	79	179174	42.55	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.10%			
47) 2-Hexanone-d5	8.31	63	451042	116.53	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 116.53%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	647597	45.84	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.68%			
64) 1,2-Dichlorobenzene-d4	11.85	152	446736	46.04	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.08%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	168109	15.246	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4499	0.591	ug/L #	23
12) 1,1-Dichloroethene	2.28	96	16690	2.208	ug/L #	1
13) Acetone	2.32	43	714026	110.413	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	229427	29.171	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	282473	32.470	ug/L	99
22) 2-Butanone	4.27	43	122212	16.384	ug/L	95
29) Cyclohexane	4.99	56	106601	8.703	ug/L	98
34) Trichloroethene	6.18	95	229482	28.310	ug/L	98
35) Methylcyclohexane	6.41	83	120062	9.659	ug/L	96
45) 1,1,2-Trichloroethane	8.04	97	6135	0.761	ug/L #	17
46) Tetrachloroethene	8.22	164	37832	6.610	ug/L	96
48) 2-Hexanone	8.38	43	23570	2.435	ug/L #	51
52) Ethylbenzene	9.25	91	20641	0.574	ug/L	87
53) m,p-Xylene	9.38	106	14889	1.135	ug/L	99
56) Isopropylbenzene	10.16	105	152308	4.590	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.35	75	3306	1.070	ug/L #	4

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051519\

Quantitation Report (Not Reviewed)

Data File : VU032020.D
Acq On : 15 May 2019 10:39
Operator : JC/SP
Sample : K2738-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8A1

Quant Time: May 16 04:27:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 04:24:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.75	128	42971	1.549	ug/L	97

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

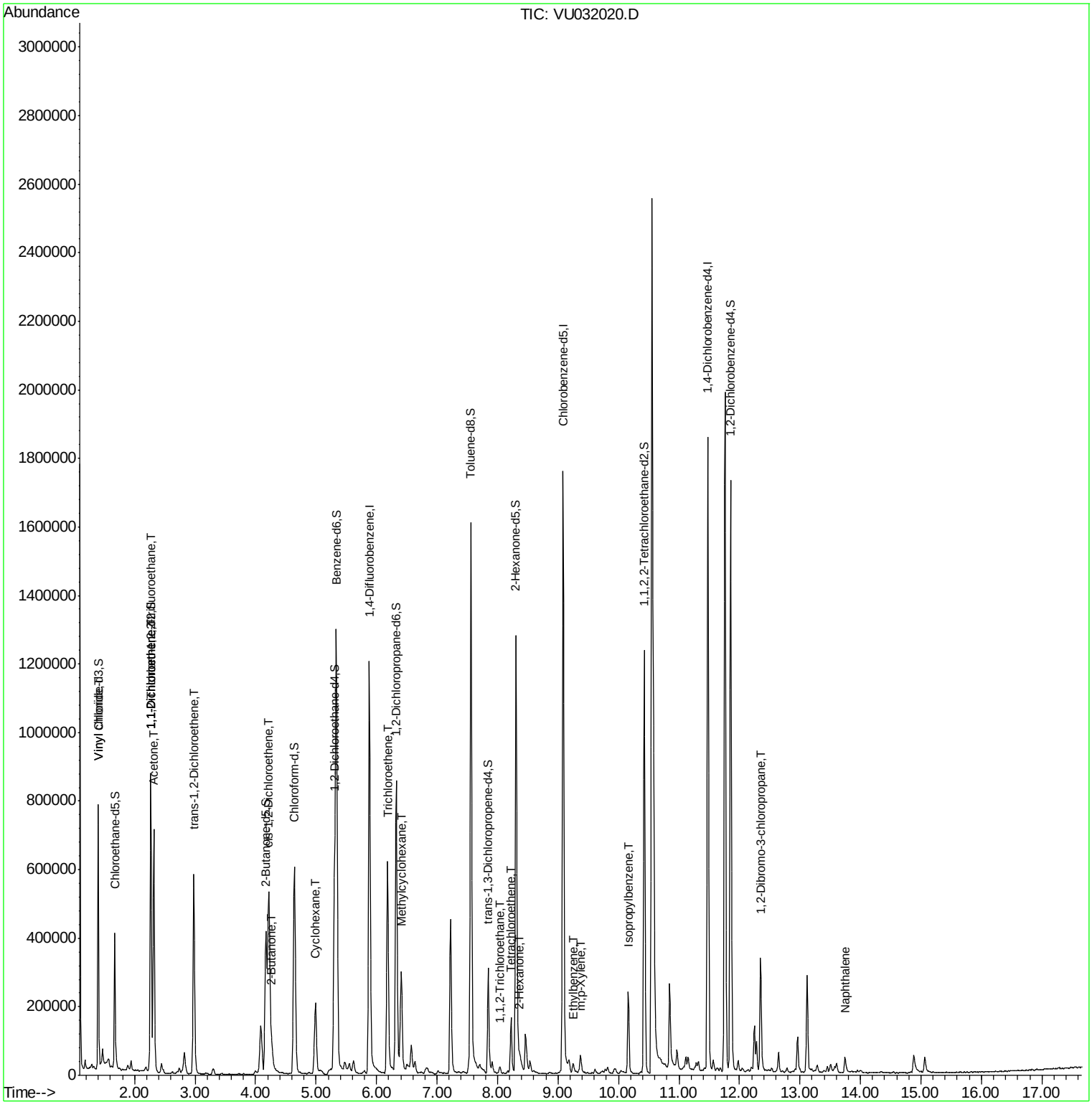
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051519\

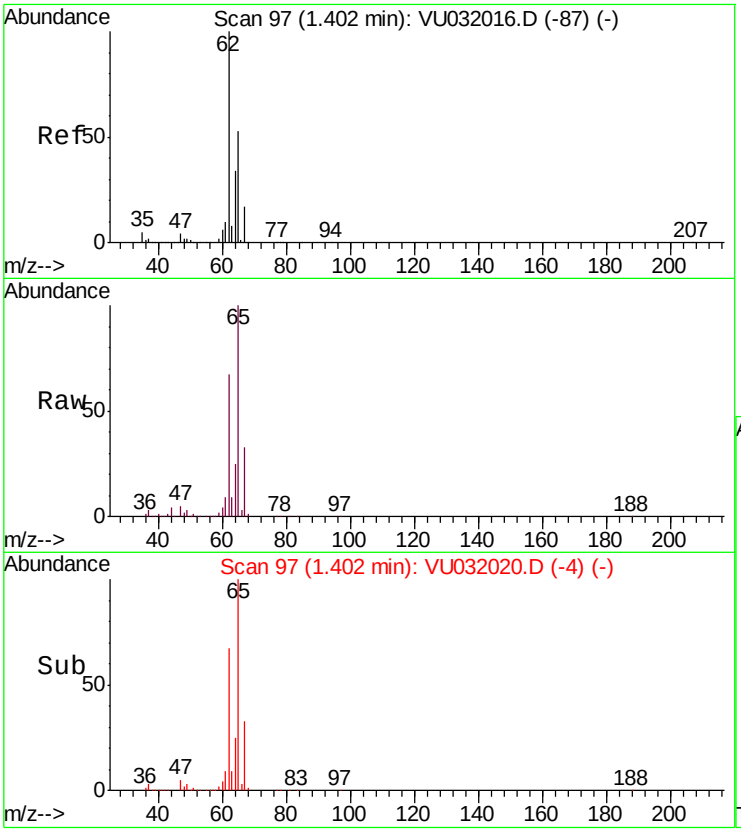
Quantitation Report (Not Reviewed)

Data File : VU032020.D
Acq On : 15 May 2019 10:39
Operator : JC/SP
Sample : K2738-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8A1

Quant Time: May 16 04:27:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 04:24:16 2019
Response via : Initial Calibration



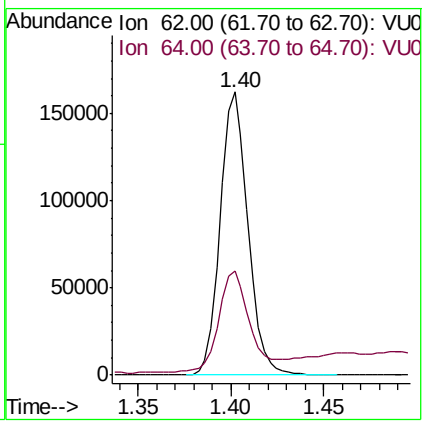


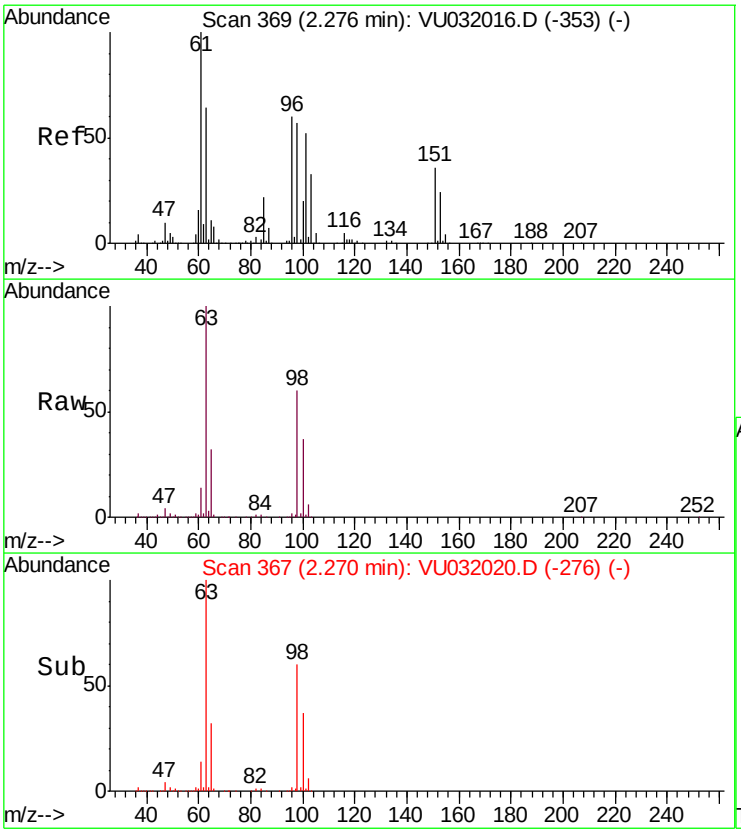
#5
Vinyl chloride
Concen: 15.246 ug/L
RT: 1.40 min Scan# 97
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Instrument :
MSVOA_U
ClientSampleId :
DB8A1

Tgt Ion: 62 Resp: 168109

Ion	Ratio	Lower	Upper
62	100		
64	36.9	23.6	43.8

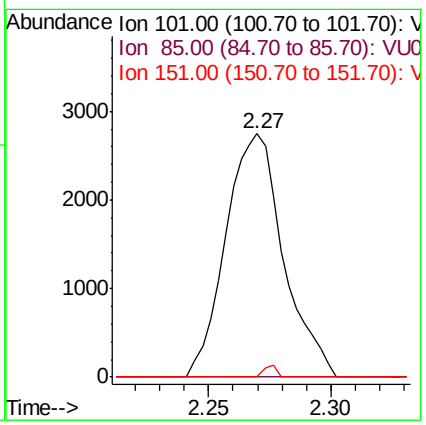


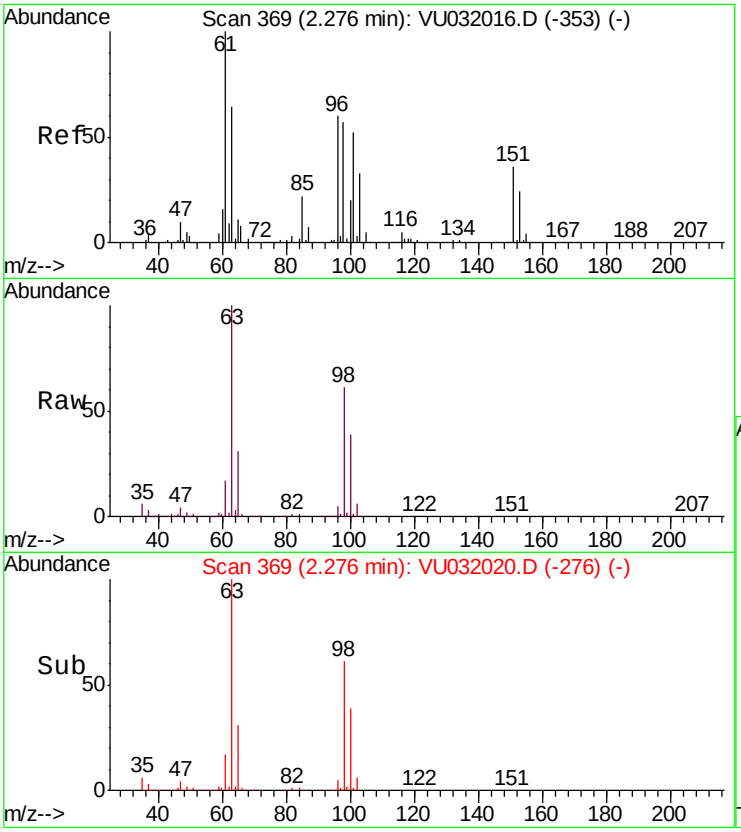


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.591 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Tgt Ion:101 Resp: 4499

Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.1	51.1#
151	1.1	55.8	83.8#



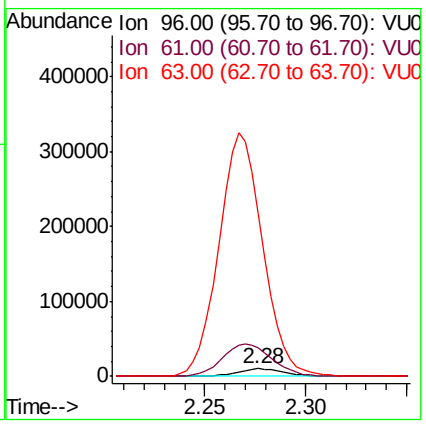


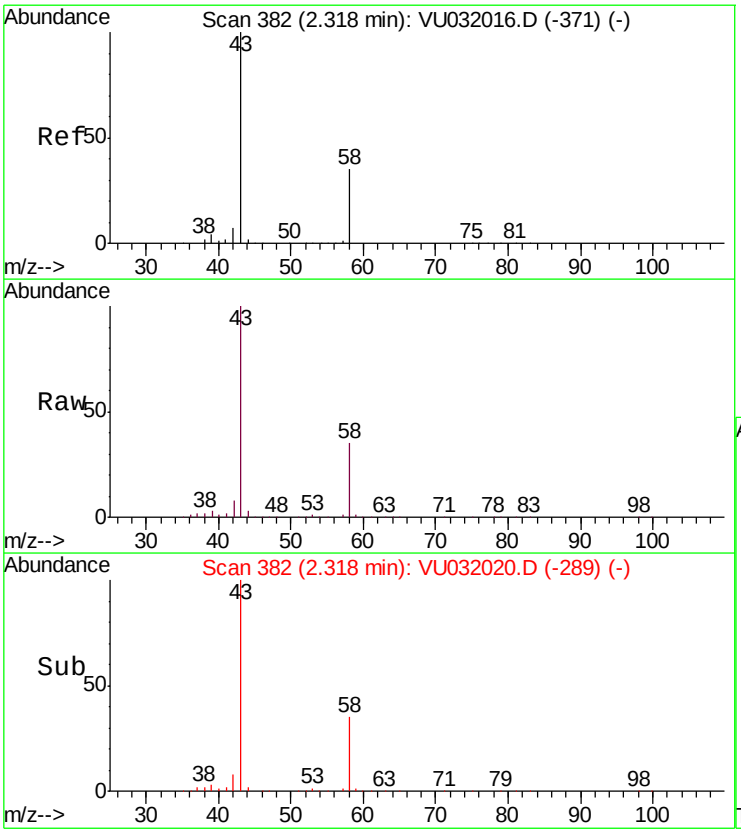
#12
1,1-Dichloroethene
Concen: 2.208 ug/L
RT: 2.28 min Scan# 369
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Instrument :
MSVOA_U
ClientSampleId :
DB8A1

Tgt Ion: 96 Resp: 16690

Ion	Ratio	Lower	Upper
96	100		
61	380.0	120.9	224.5#
63	2173.1	84.4	156.8#

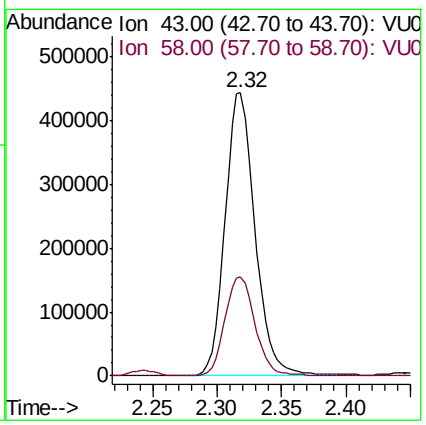


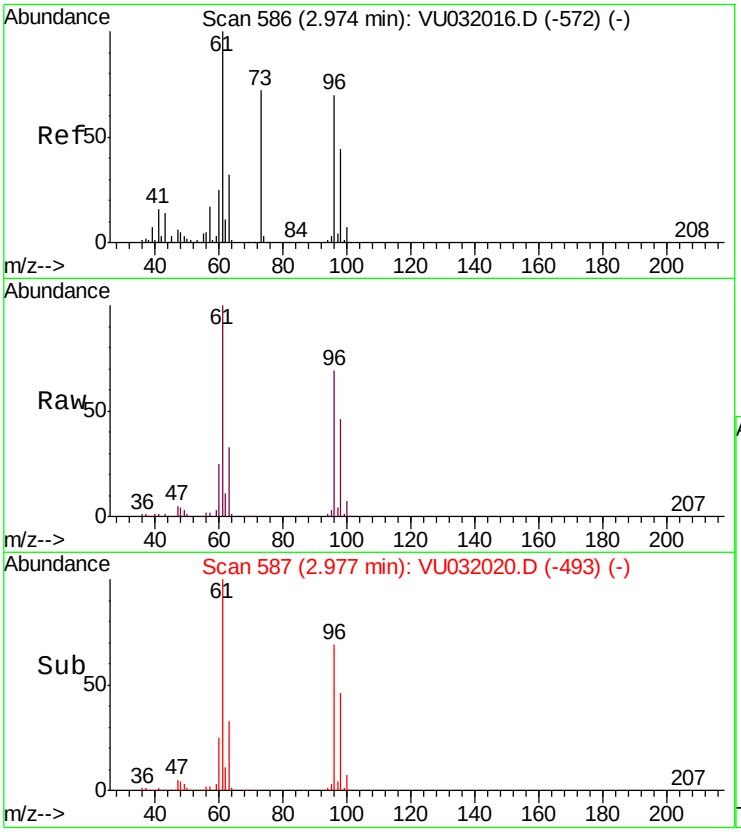


#13
Acetone
Concen: 110.413 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Tgt Ion: 43 Resp: 714026

Ion	Ratio	Lower	Upper
43	100		
58	35.4	0.0	68.2



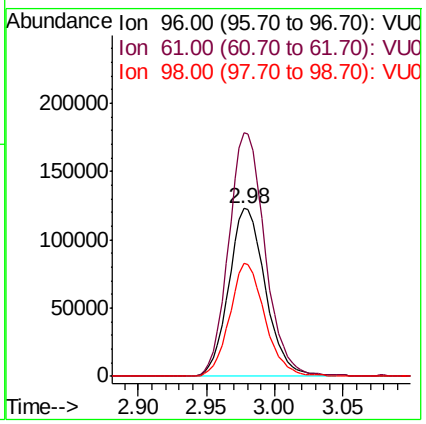


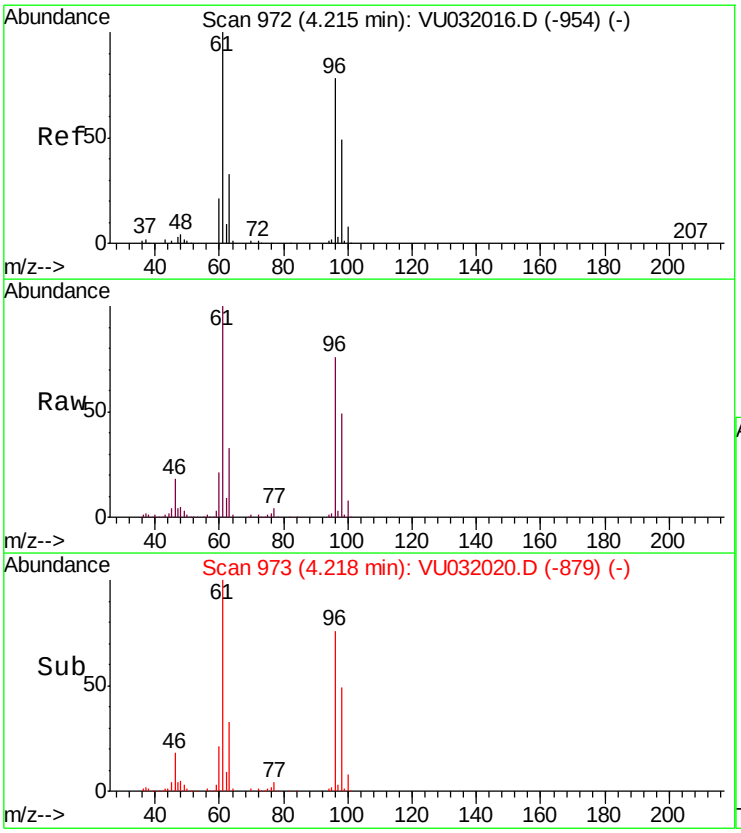
#17
trans-1,2-Dichloroethene
Concen: 29.171 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Instrument :
MSVOA_U
ClientSampleId :
DB8A1

Tgt Ion: 96 Resp: 229427

Ion	Ratio	Lower	Upper
96	100		
61	145.3	103.2	191.6
98	67.2	45.7	84.9

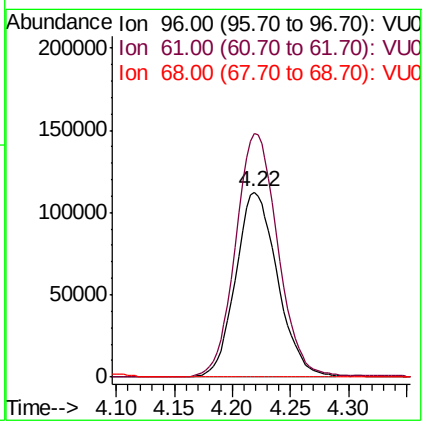


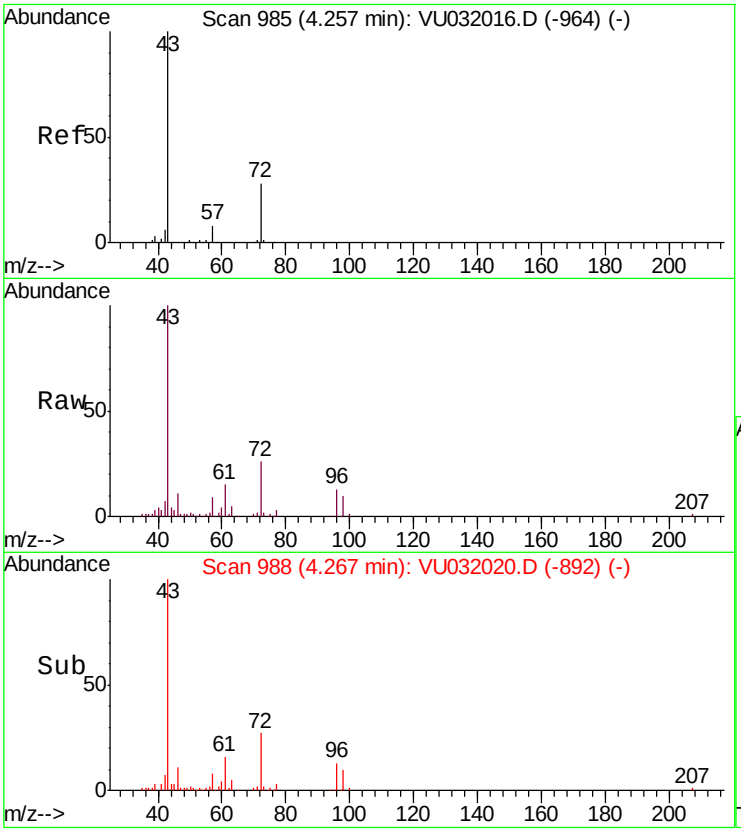


#20
cis-1,2-Dichloroethene
Concen: 32.470 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Tgt Ion: 96 Resp: 282473

Ion	Ratio	Lower	Upper
96	100		
61	131.8	93.0	172.8
68	0.0	0.0	0.0



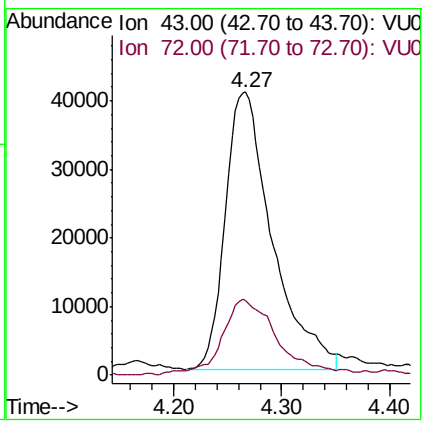


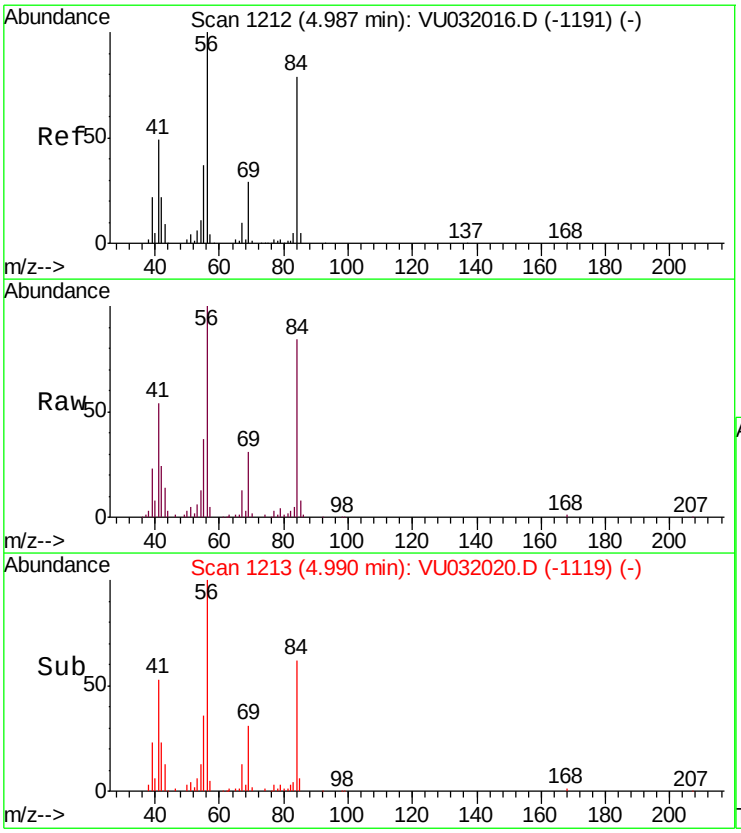
#22
2-Butanone
Concen: 16.384 ug/L
RT: 4.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Instrument :
MSVOA_U
ClientSampleId :
DB8A1

Tgt Ion: 43 Resp: 122212

Ion	Ratio	Lower	Upper
43	100		
72	30.7	13.9	41.7

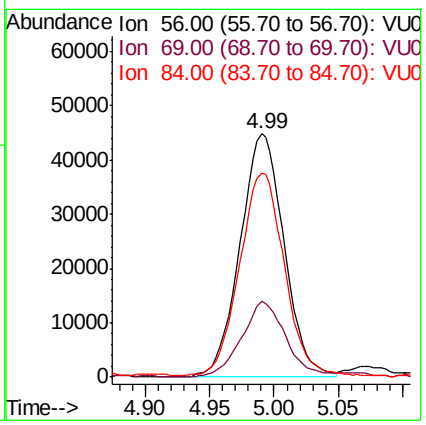


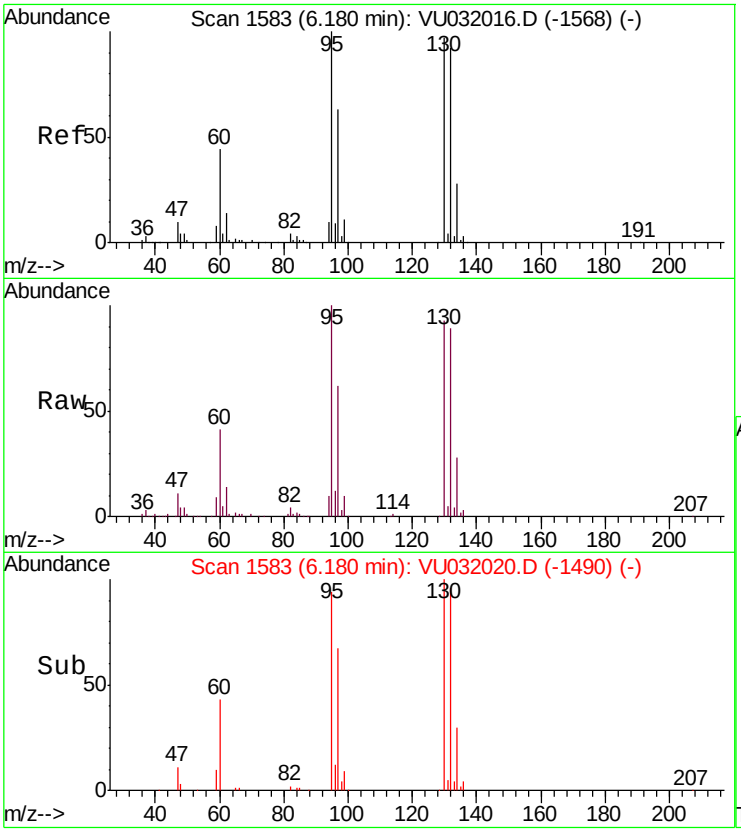


#29
Cyclohexane
Concen: 8.703 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Tgt Ion: 56 Resp: 106601

Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.8	37.2
84	84.0	65.5	98.3



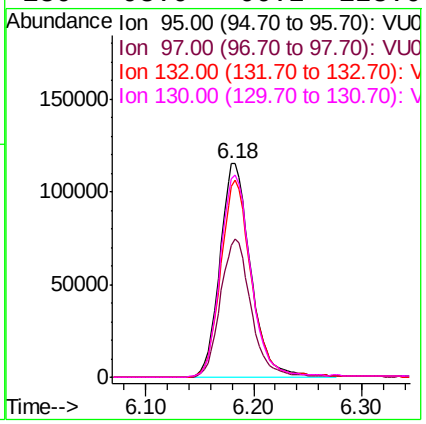


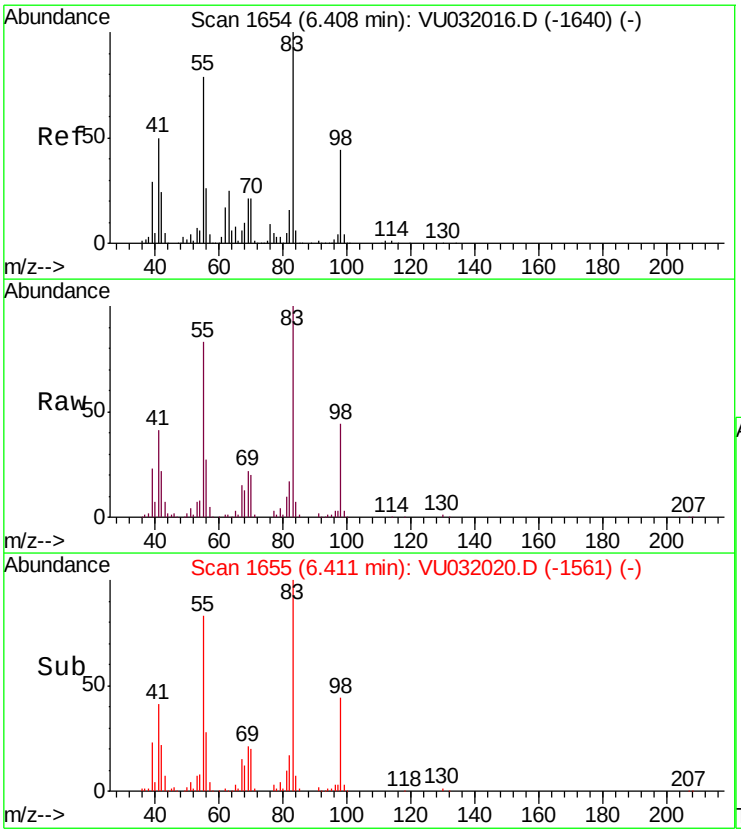
#34
Trichloroethene
Concen: 28.310 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Instrument :
MSVOA_U
ClientSampleId :
DB8A1

Tgt Ion: 95 Resp: 229482

Ion	Ratio	Lower	Upper
95	100		
97	62.0	44.9	83.3
132	89.2	63.5	117.9
130	93.0	66.2	123.0

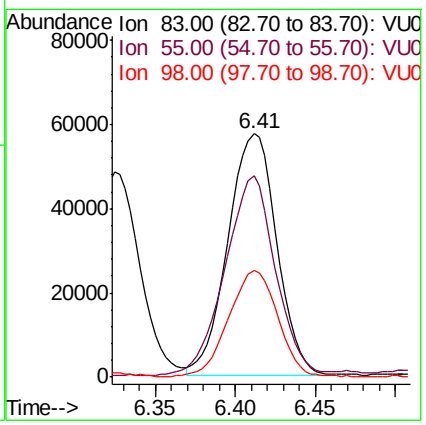


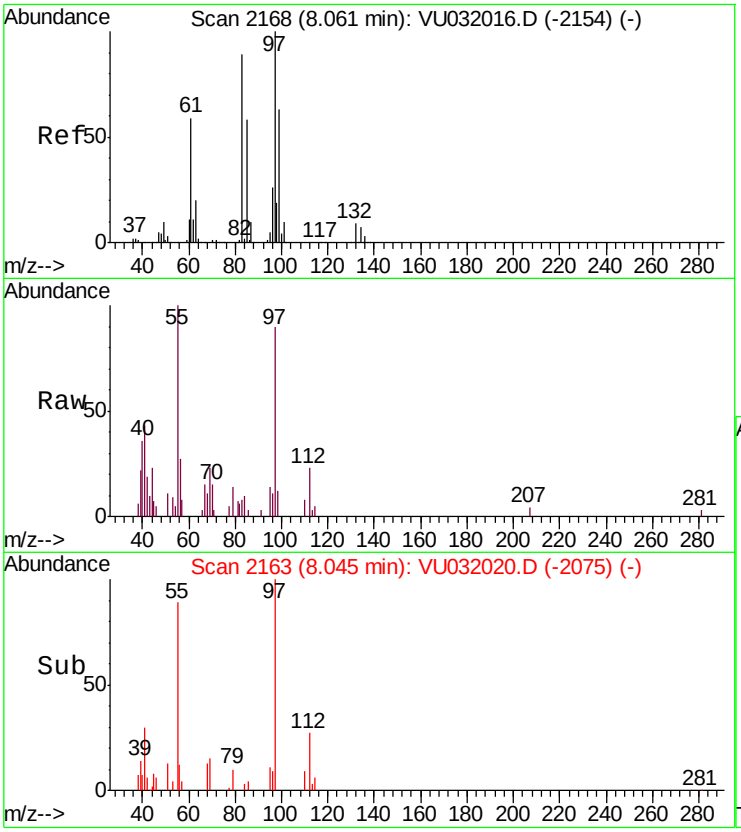


#35
Methylcyclohexane
Concen: 9.659 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Tgt Ion: 83 Resp: 120062

Ion	Ratio	Lower	Upper
83	100		
55	85.6	64.0	96.0
98	44.1	35.6	53.4



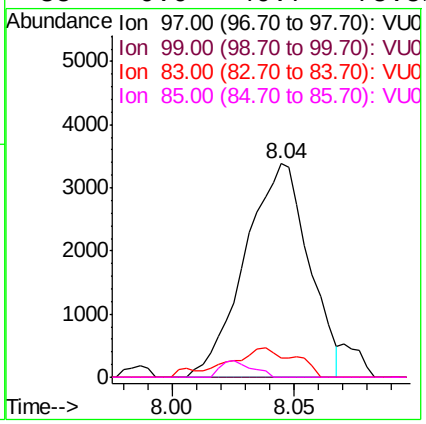


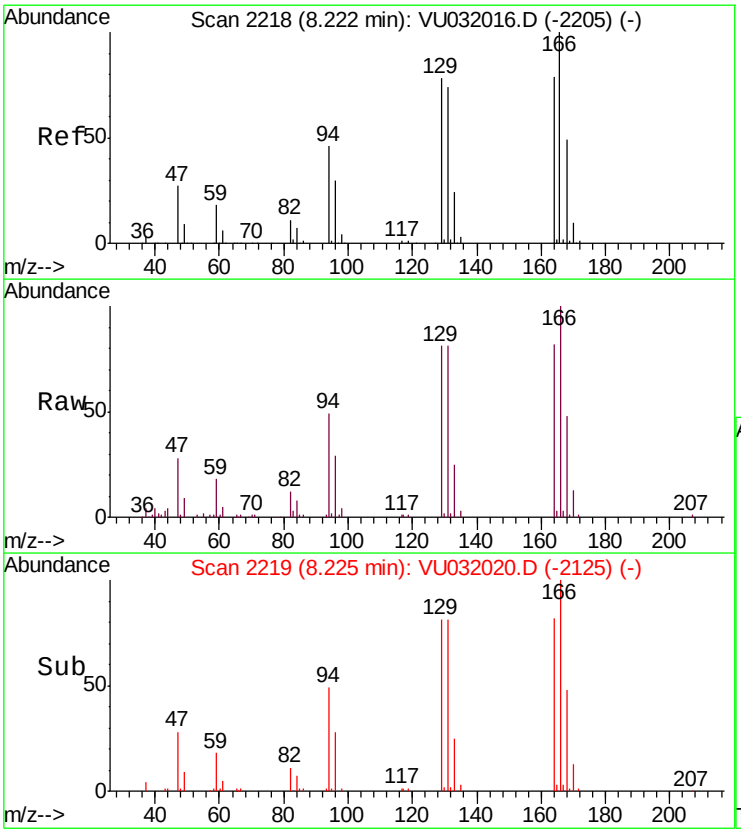
#45
1,1,2-Trichloroethane
Concen: 0.761 ug/L
RT: 8.04 min Scan# 2163
Delta R.T. -0.02 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Instrument : MSVOA_U
ClientSampleId : DB8A1

Tgt Ion: 97 Resp: 6135

Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.4	82.4#
83	9.1	63.8	118.4#
85	0.0	40.7	75.5#

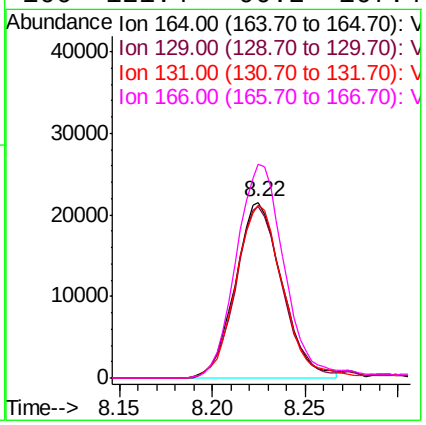


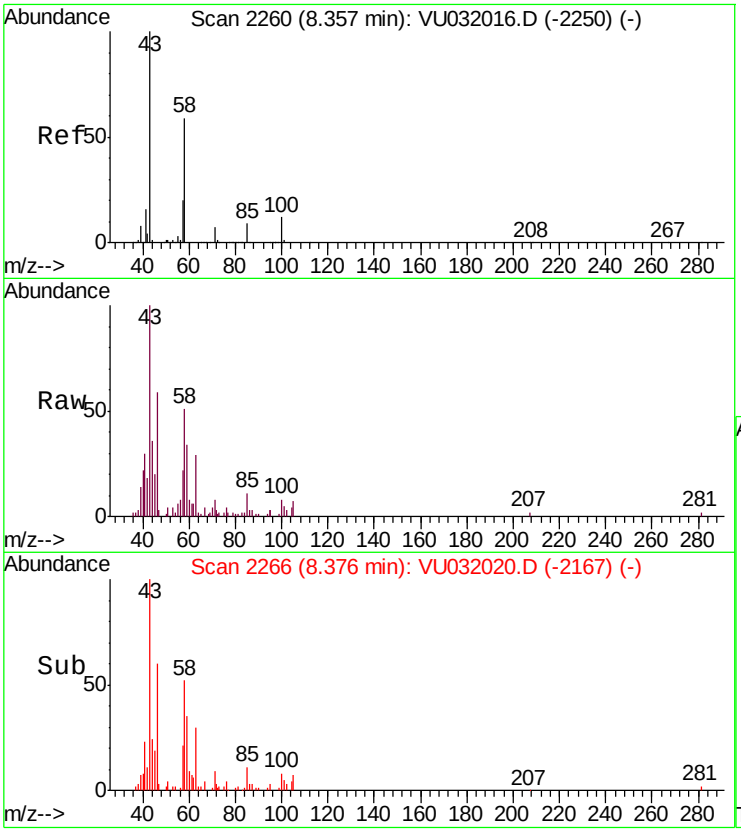


#46
Tetrachloroethene
Concen: 6.610 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Tgt Ion:164 Resp: 37832

Ion	Ratio	Lower	Upper
164	100		
129	97.7	70.9	131.7
131	98.1	67.4	125.2
166	121.4	90.2	167.4



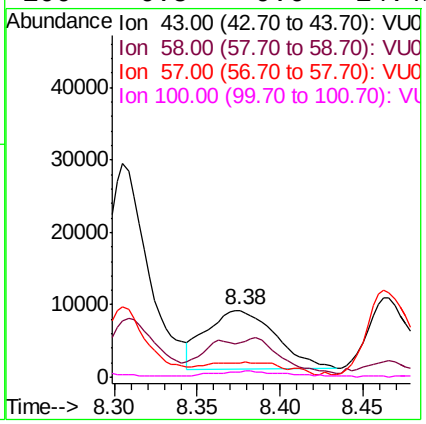


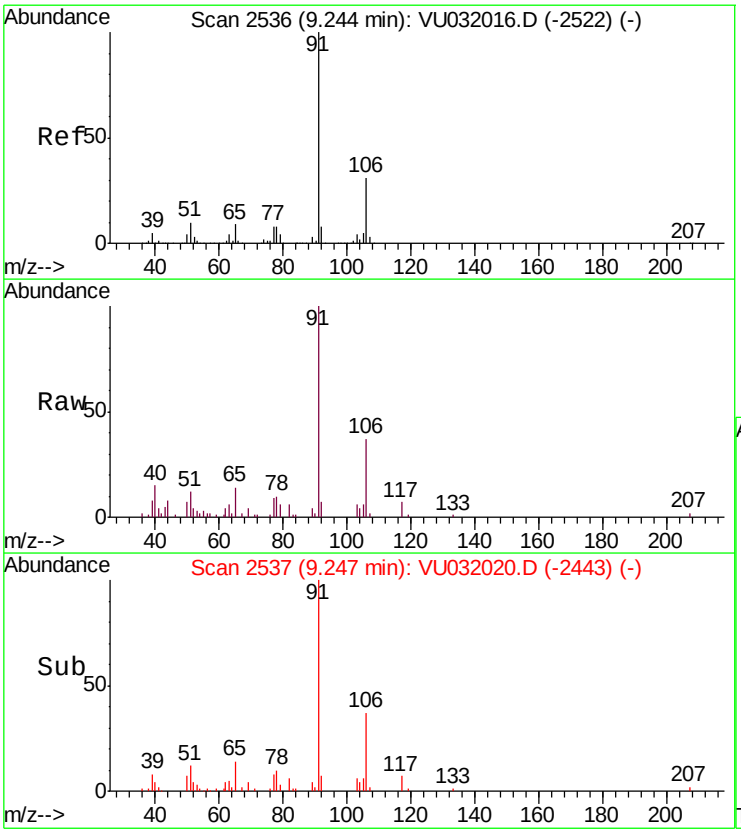
#48
2-Hexanone
Concen: 2.435 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.02 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Instrument : MSVOA_U
ClientSampleId : DB8A1

Tgt Ion: 43 Resp: 23570

Ion	Ratio	Lower	Upper
43	100		
58	15.7	47.8	71.6#
57	1.0	16.0	24.0#
100	6.5	9.6	14.4#

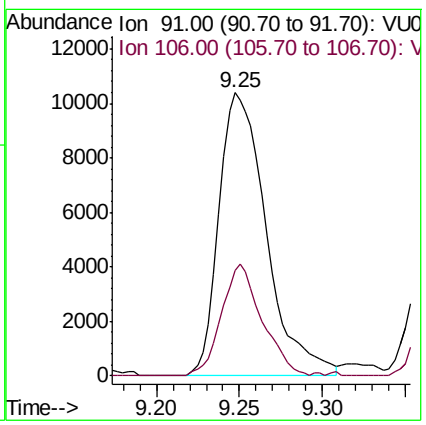


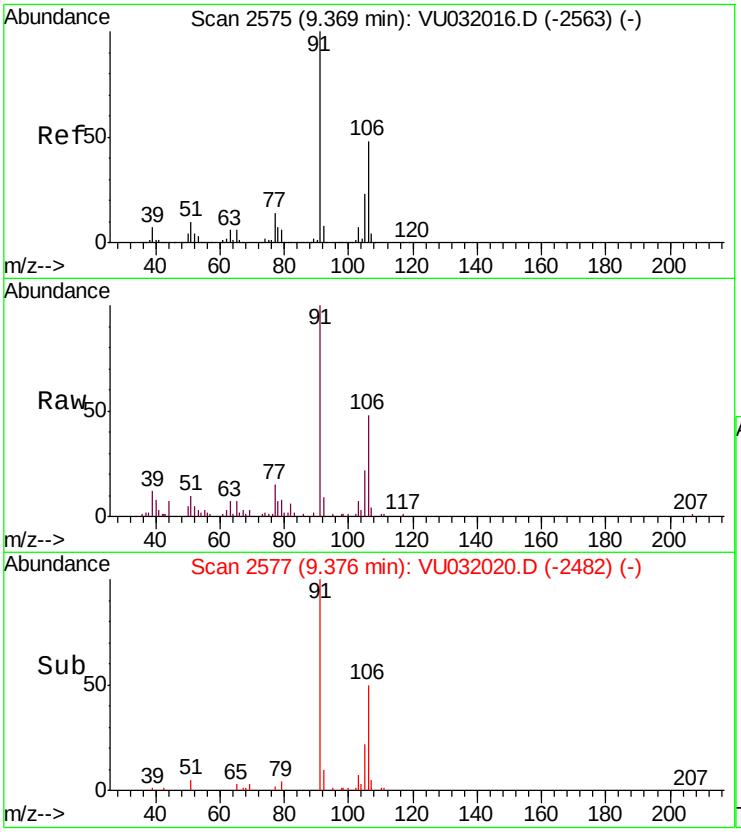


#52
Ethylbenzene
Concen: 0.574 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Tgt Ion: 91 Resp: 20641

Ion	Ratio	Lower	Upper
91	100		
106	37.4	21.3	39.5



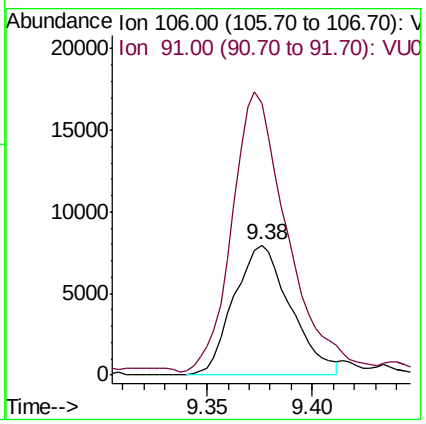


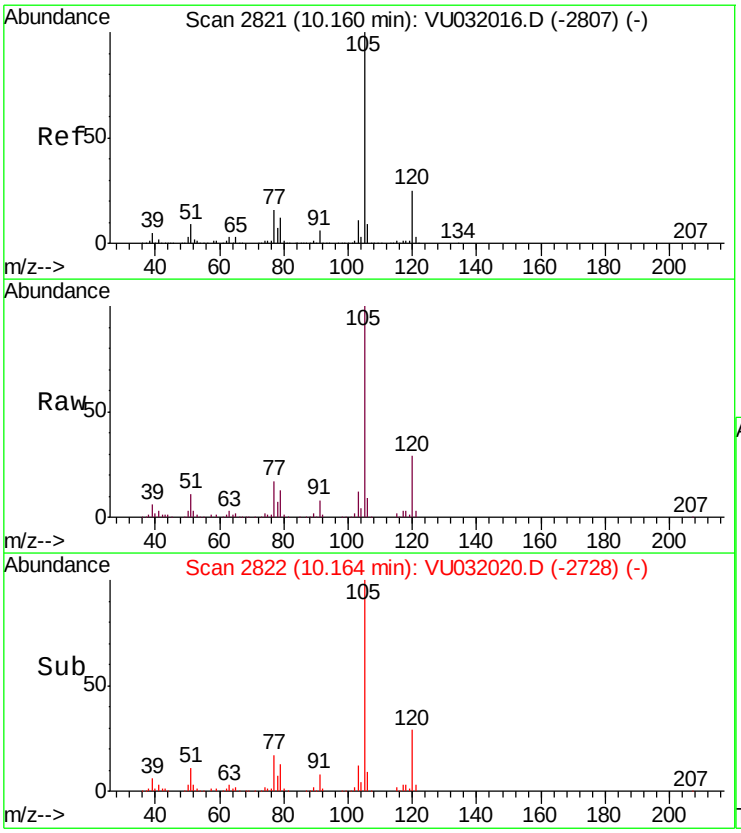
#53
m,p-Xylene
Concen: 1.135 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.01 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Instrument : MSVOA_U
ClientSampleId : DB8A1

Tgt Ion:106 Resp: 14889

Ion	Ratio	Lower	Upper
106	100		
91	208.1	144.8	269.0

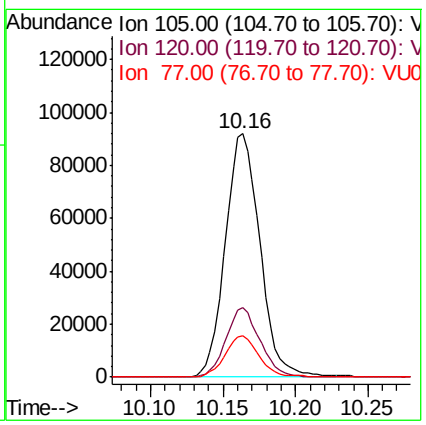


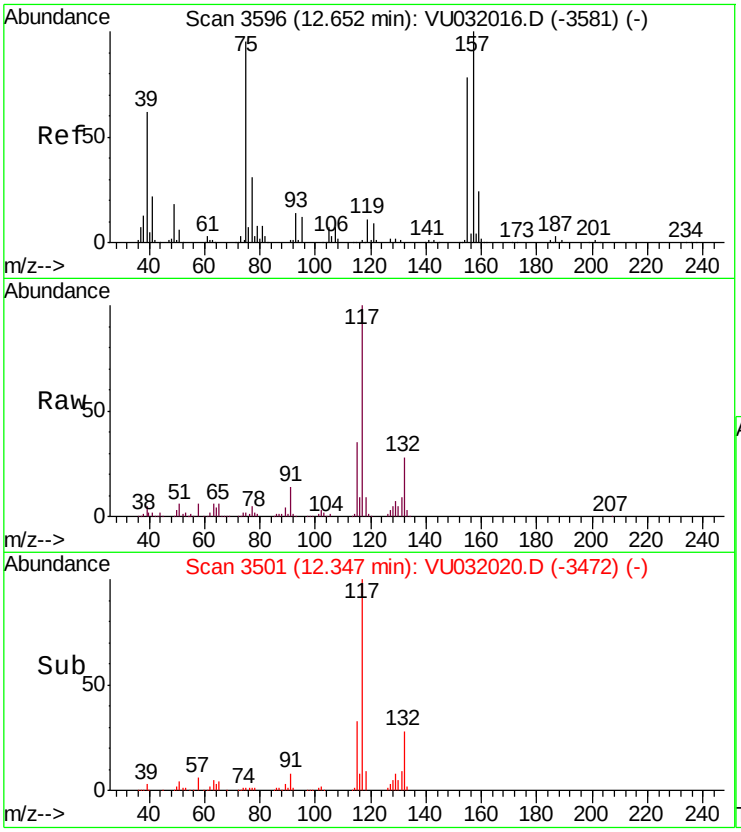


#56
Isopropylbenzene
Concen: 4.590 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Tgt Ion:105 Resp: 152308

Ion	Ratio	Lower	Upper
105	100		
120	27.8	20.5	30.7
77	16.5	13.0	19.4



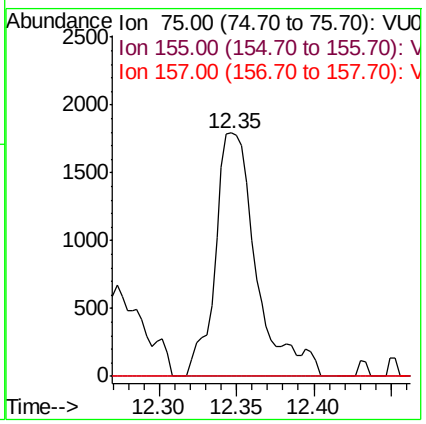


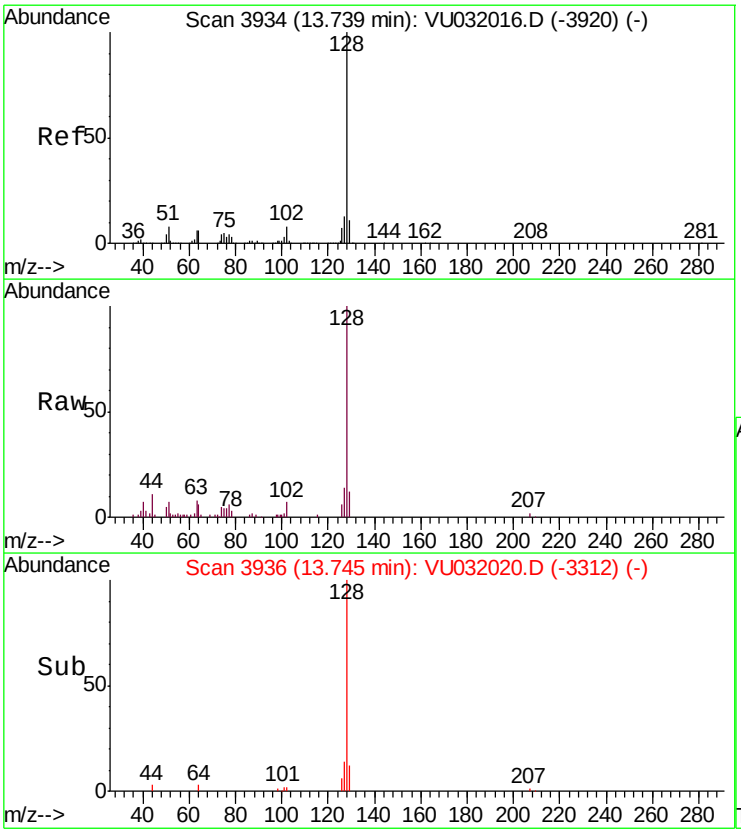
#66
1,2-Dibromo-3-chloropropane
Concen: 1.070 ug/L
RT: 12.35 min Scan# 3501
Delta R.T. -0.31 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Instrument :
MSVOA_U
ClientSampleId :
DB8A1

Tgt Ion: 75 Resp: 3306

Ion	Ratio	Lower	Upper
75	100		
155	0.0	63.8	95.8#
157	0.0	80.2	120.2#





#69
Naphthalene
Concen: 1.549 ug/L
RT: 13.75 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VU032020.D
Acq: 15 May 2019 10:39

Tgt Ion:128 Resp: 42971

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	11.9	8.6	13.0