Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\

Quantitation Report (Not Reviewed)

Data File : VU031995.D
Acq On : 14 May 2019 15:28
Operator : JC/SP
Sample : K2738-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB845

Quant Time: May 15 04:30:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1049130	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1099041	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	497087	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	388644	42.21	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 84.42%			
7) Chloroethane-d5	1.65	69	325021	43.60	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.20%			
11) 1,1-Dichloroethene-d2	2.26	63	654666	39.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.34%			
21) 2-Butanone-d5	4.17	46	628880	97.55	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 97.55%			
24) Chloroform-d	4.64	84	663621	43.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.12%			
26) 1,2-Dichloroethane-d4	5.30	65	430622	44.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.74%			
32) Benzene-d6	5.33	84	1407209	44.23	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.46%			
36) 1,2-Dichloropropane-d6	6.32	67	462568	44.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 88.12%			
41) Toluene-d8	7.56	98	1279061	44.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.74%			
43) trans-1,3-Dichloropropene-	7.85	79	203045	43.84	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 87.68%			
47) 2-Hexanone-d5	8.31	63	462851	108.72	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 108.72%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	753676	48.51	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.02%			
64) 1,2-Dichlorobenzene-d4	11.85	152	493007	47.14	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.28%			

Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	411466	36.413	ug/L	98
8) Chloroethane	1.67	64	347003	51.899	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	5442	0.697	ug/L #	23
13) Acetone	2.33	43	3734	0.563	ug/L	77
14) Carbon disulfide	2.47	76	1184245	47.317	ug/L	98
15) Methyl Acetate	2.61	43	587354	58.366	ug/L #	100
16) Methylene chloride	2.69	84	276935	29.308	ug/L	99
18) Methyl tert-butyl Ether	2.99	73	980069	39.570	ug/L	99
19) 1,1-Dichloroethane	3.44	63	313913	19.833	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	174701	19.595	ug/L	96
27) 1,2-Dichloroethane	5.40	62	681533	56.291	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	466176	36.581	ug/L	98
34) Trichloroethene	6.18	95	555833	62.345	ug/L	98
37) 1,2-Dichloropropane	6.43	63	214385	22.172	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	646841	49.305	ug/L	100
42) Toluene	7.63	91	1077799	29.175	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	188778	15.658	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\

Quantitation Report (Not Reviewed)

Data File : VU031995.D
Acq On : 14 May 2019 15:28
Operator : JC/SP
Sample : K2738-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB845

Quant Time: May 15 04:30:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.06	97	344253	38.828	ug/L	98
46) Tetrachloroethene	8.22	164	209399	33.267	ug/L	96
48) 2-Hexanone	8.36	43	555110	52.133	ug/L	99
50) 1,2-Dibromoethane	8.58	107	346759	36.958	ug/L	98
51) Chlorobenzene	9.12	112	1109210	47.289	ug/L	100
52) Ethylbenzene	9.24	91	2346637	59.359	ug/L	100
53) m,p-Xylene	9.37	106	619577	42.946	ug/L	98
54) o-xylene	9.77	106	294722	20.690	ug/L	99
55) Styrene	9.79	104	834737	34.137	ug/L	98
56) Isopropylbenzene	10.16	105	1483488	40.645	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	1091682	68.216	ug/L	99
61) Bromoform	9.95	173	119454	18.005	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	318038	19.555	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	667230	38.786	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	1034530	60.026	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	242179	72.737	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	568560	48.747	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	341694	34.940	ug/L	98

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

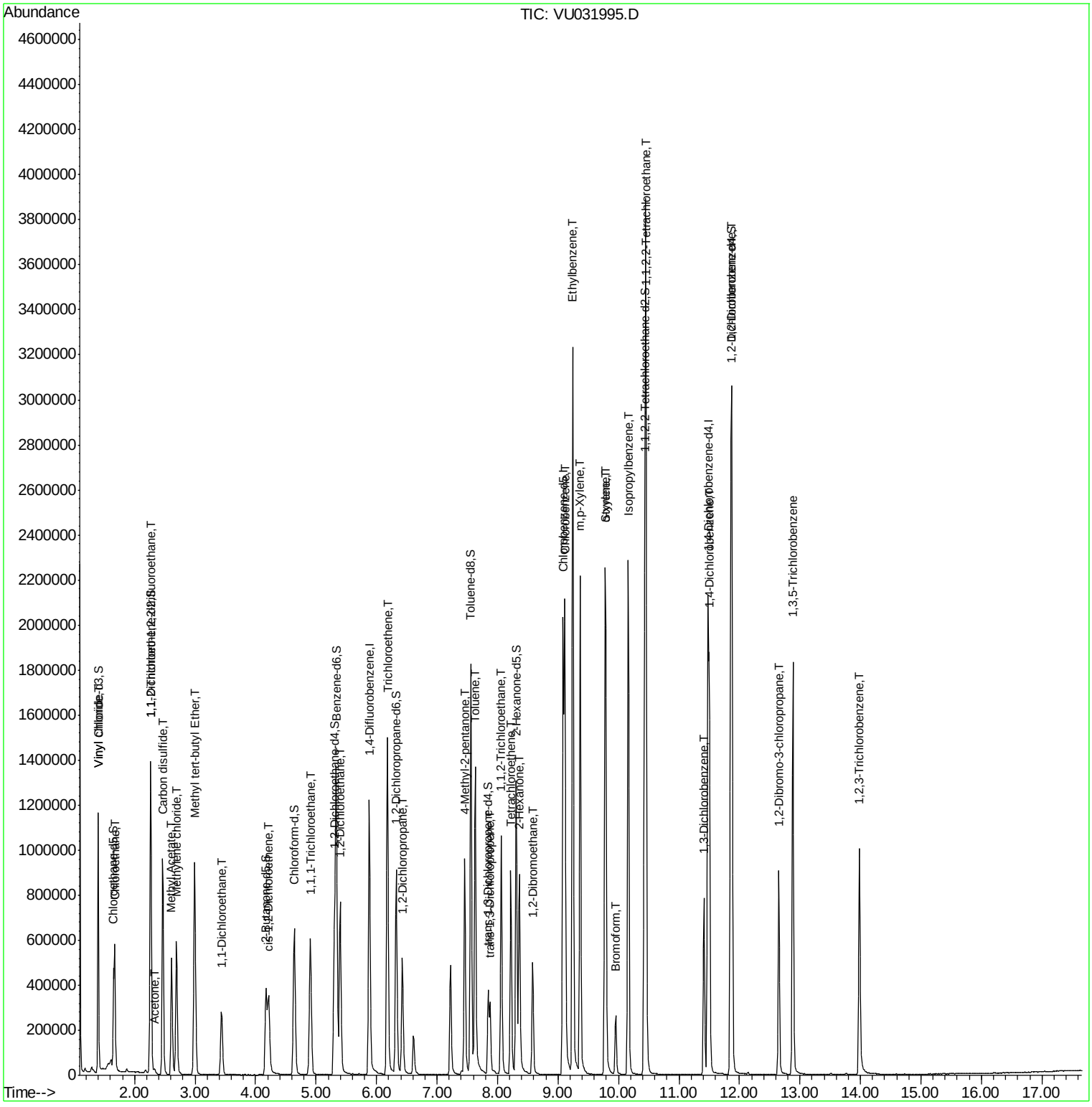
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\

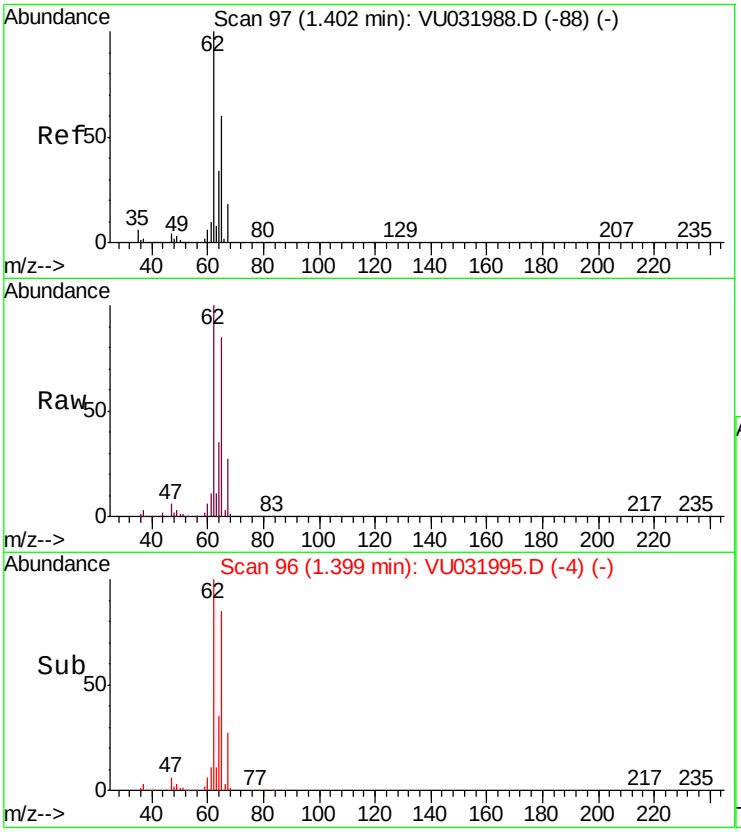
Quantitation Report (Not Reviewed)

Data File : VU031995.D
Acq On : 14 May 2019 15:28
Operator : JC/SP
Sample : K2738-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB845

Quant Time: May 15 04:30:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration



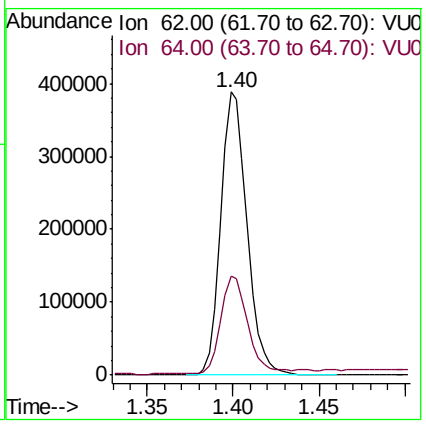


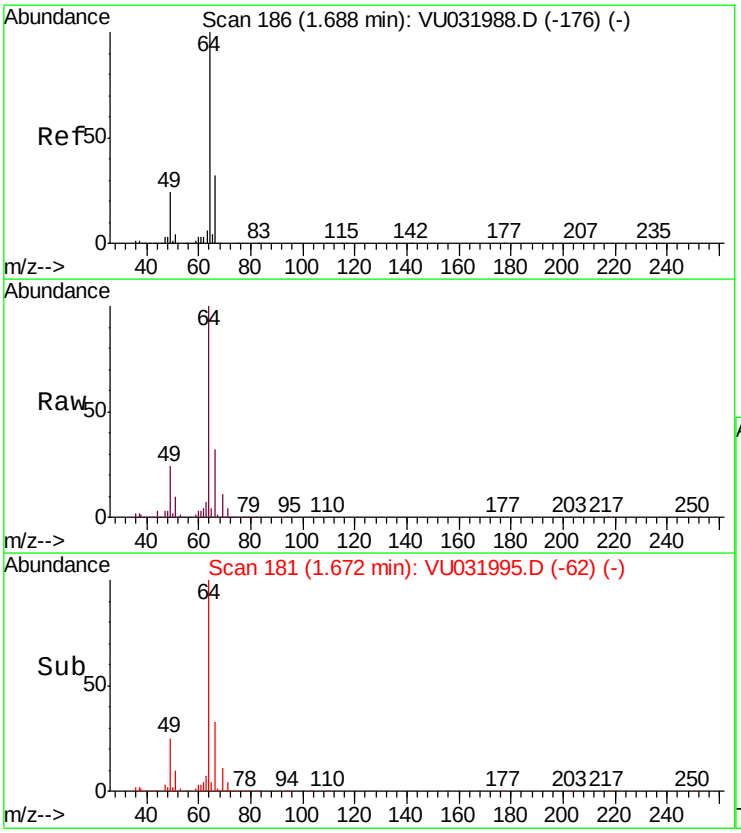
#5
Vinyl chloride
Concen: 36.413 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion: 62 Resp: 411466

Ion	Ratio	Lower	Upper
62	100		
64	34.9	23.6	43.8

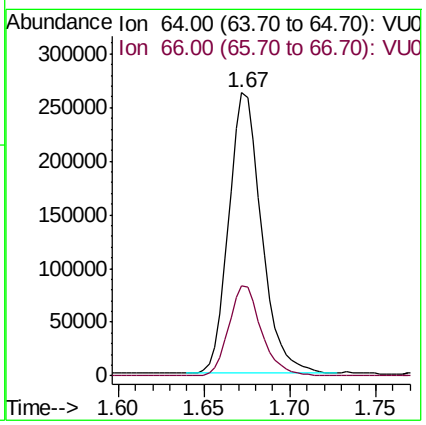


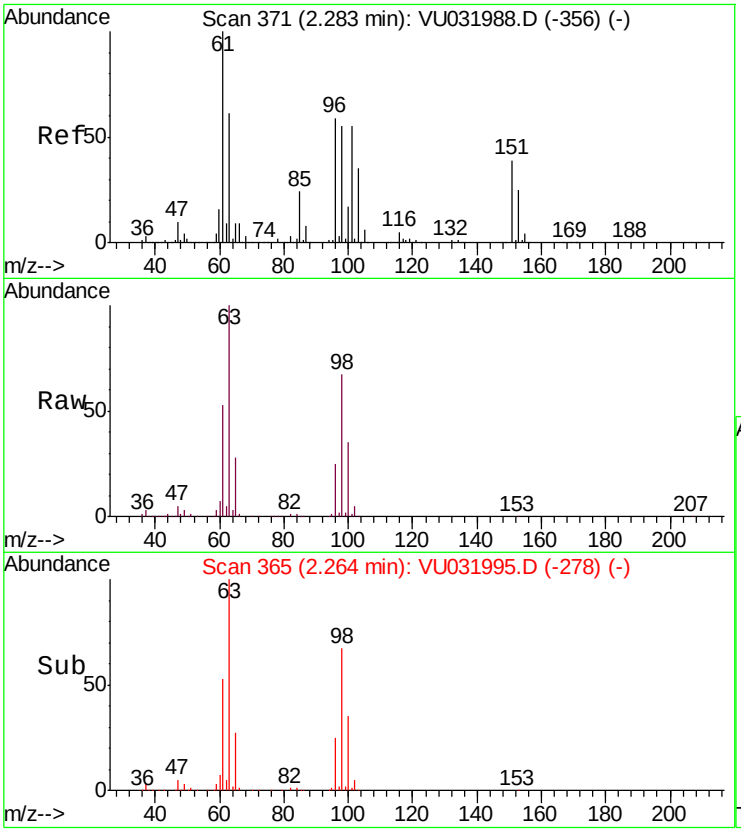


#8
Chloroethane
Concen: 51.899 ug/L
RT: 1.67 min Scan# 181
Delta R.T. -0.02 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 64 Resp: 347003

Ion	Ratio	Lower	Upper
64	100		
66	31.7	22.7	42.1



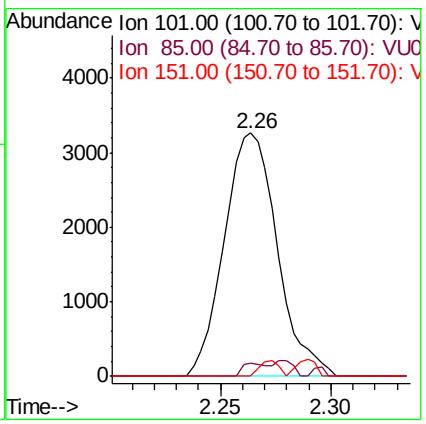


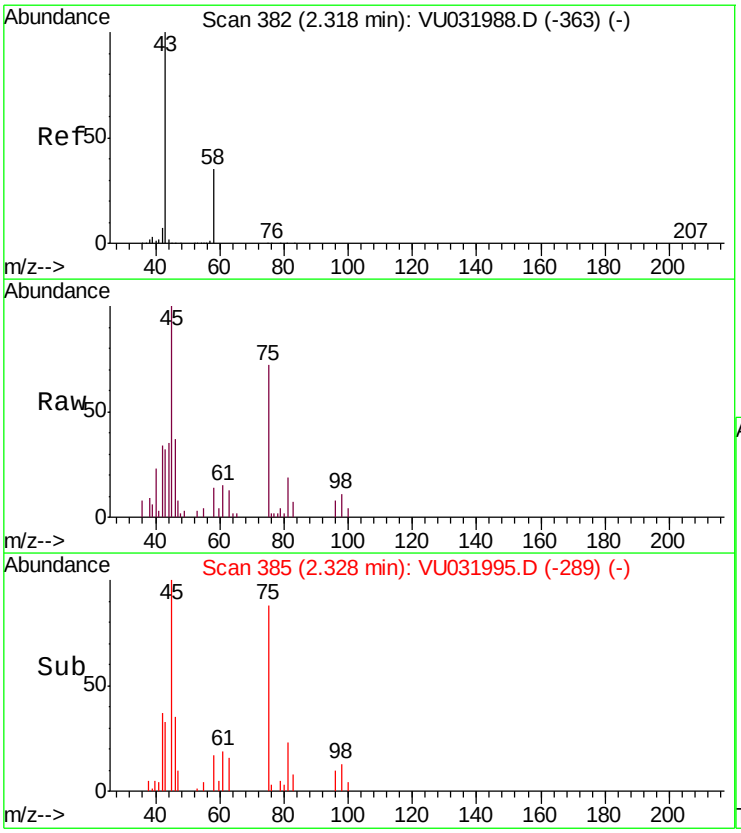
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.697 ug/L
RT: 2.26 min Scan# 365
Delta R.T. -0.02 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion:101 Resp: 5442

Ion	Ratio	Lower	Upper
101	100		
85	2.3	34.1	51.1#
151	0.0	55.8	83.8#

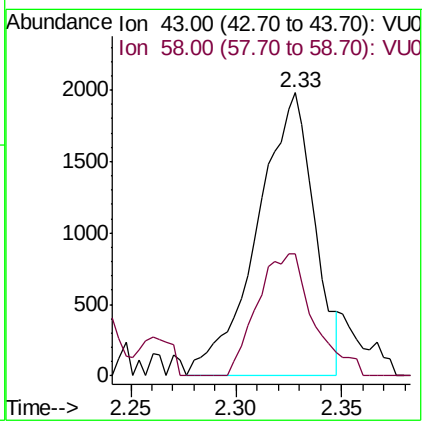


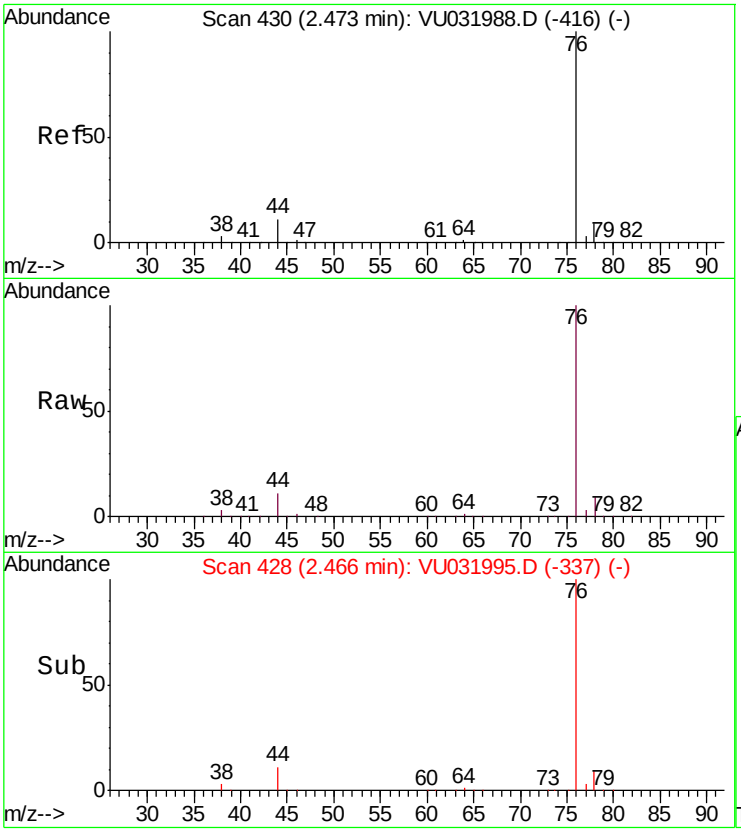


#13
Acetone
Concen: 0.563 ug/L
RT: 2.33 min Scan# 385
Delta R.T. 0.01 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 43 Resp: 3734

Ion	Ratio	Lower	Upper
43	100		
58	21.0	0.0	68.2



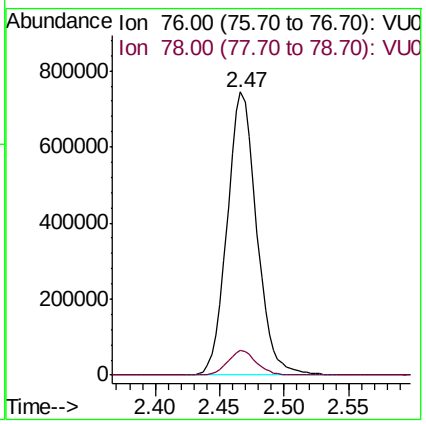


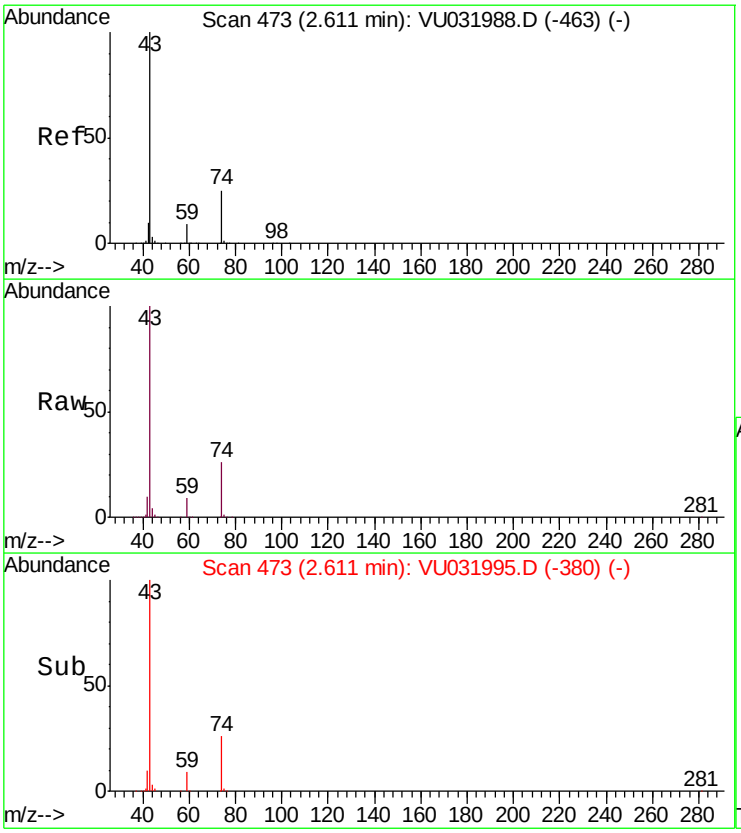
#14
Carbon disulfide
Concen: 47.317 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.01 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument : MSVOA_U
ClientSampleId : DB845

Tgt Ion: 76 Resp: 1184245

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.2

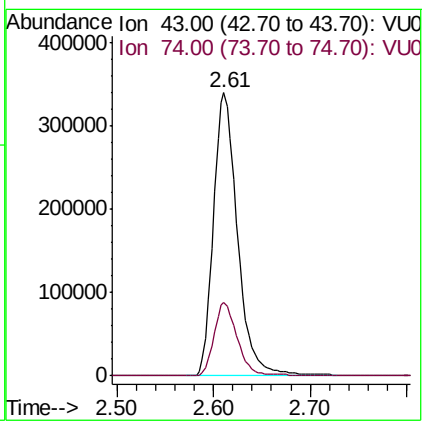


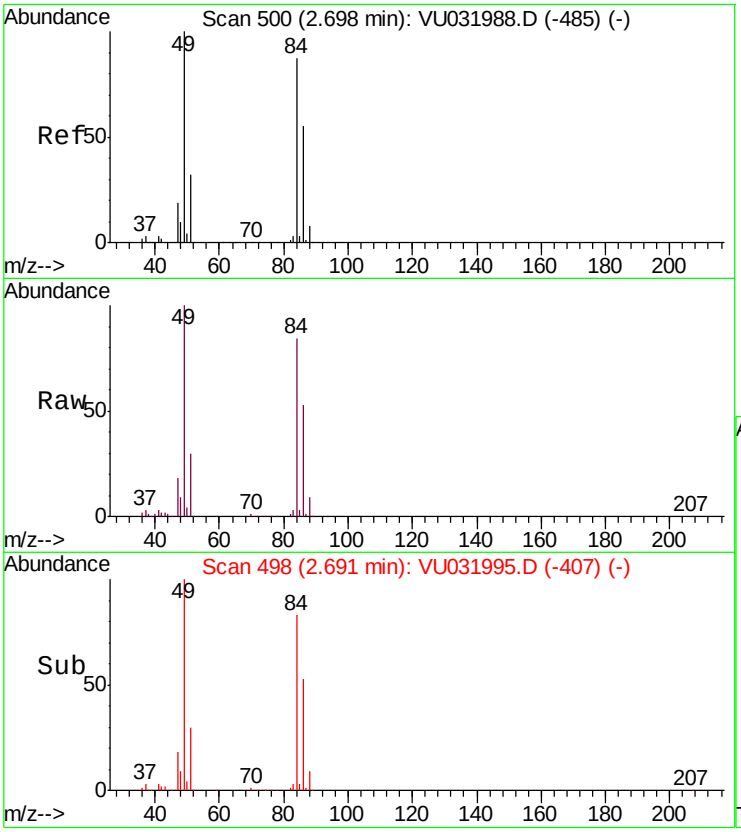


#15
Methyl Acetate
Concen: 58.366 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 43 Resp: 587354

Ion	Ratio	Lower	Upper
43	100		
74	24.9	0.0	0.0#



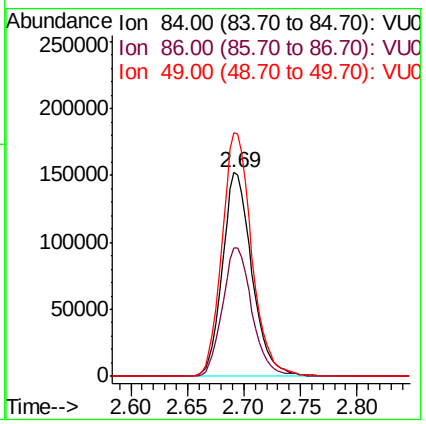


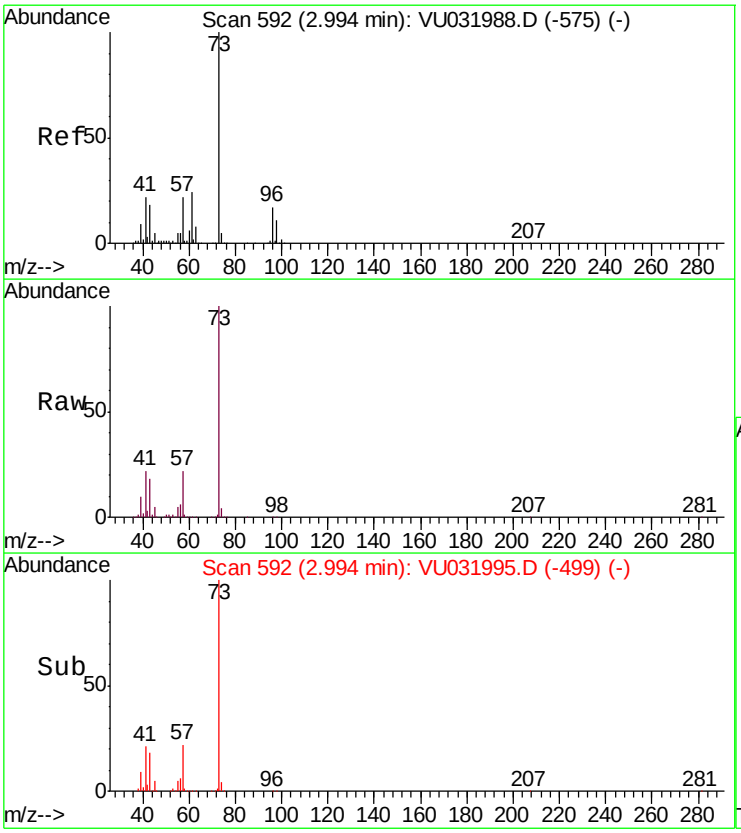
#16
Methylene chloride
Concen: 29.308 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.01 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion: 84 Resp: 276935

Ion	Ratio	Lower	Upper
84	100		
86	63.1	45.8	85.0
49	119.7	83.3	154.7

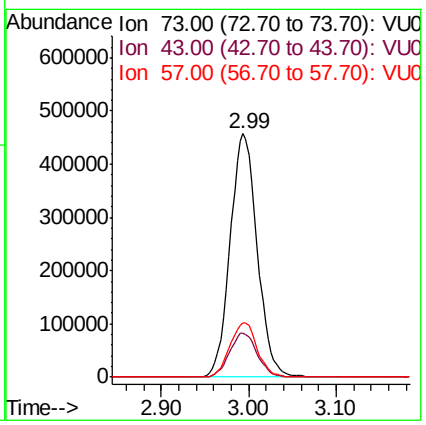


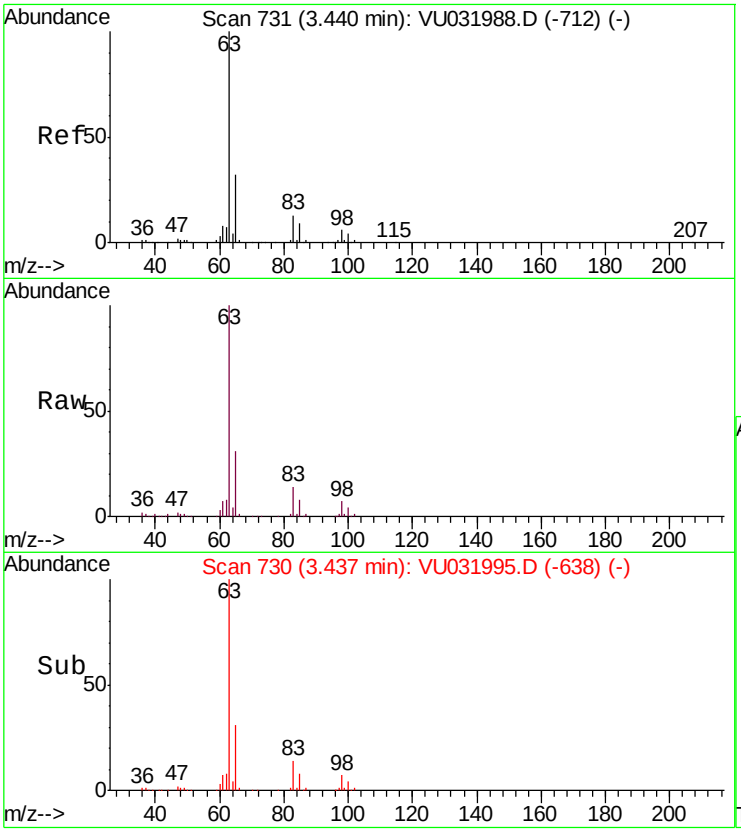


#18
Methyl tert-butyl Ether
Concen: 39.570 ug/L
RT: 2.99 min Scan# 592
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 73 Resp: 980069

Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.1	22.7
57	22.6	18.2	27.4



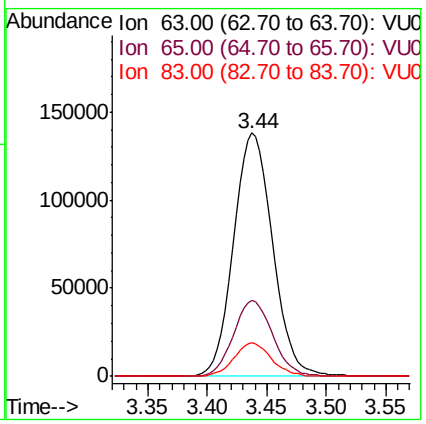


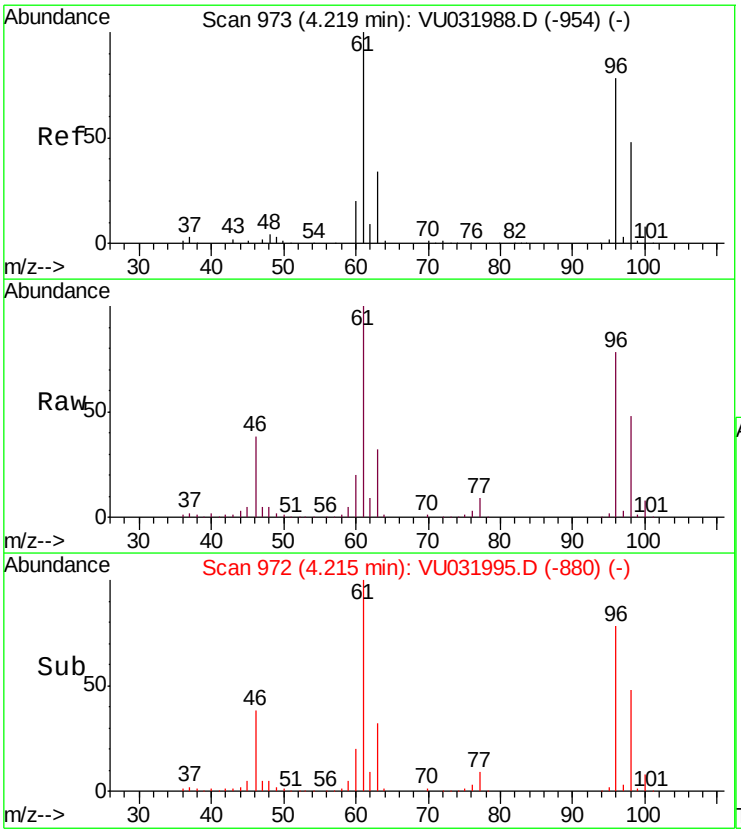
#19
1,1-Dichloroethane
Concen: 19.833 ug/L
RT: 3.44 min Scan# 730
Delta R.T. -0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion: 63 Resp: 313913

Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.2	41.2
83	13.7	9.2	17.2

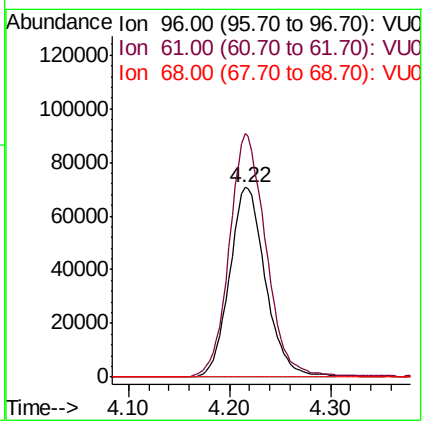


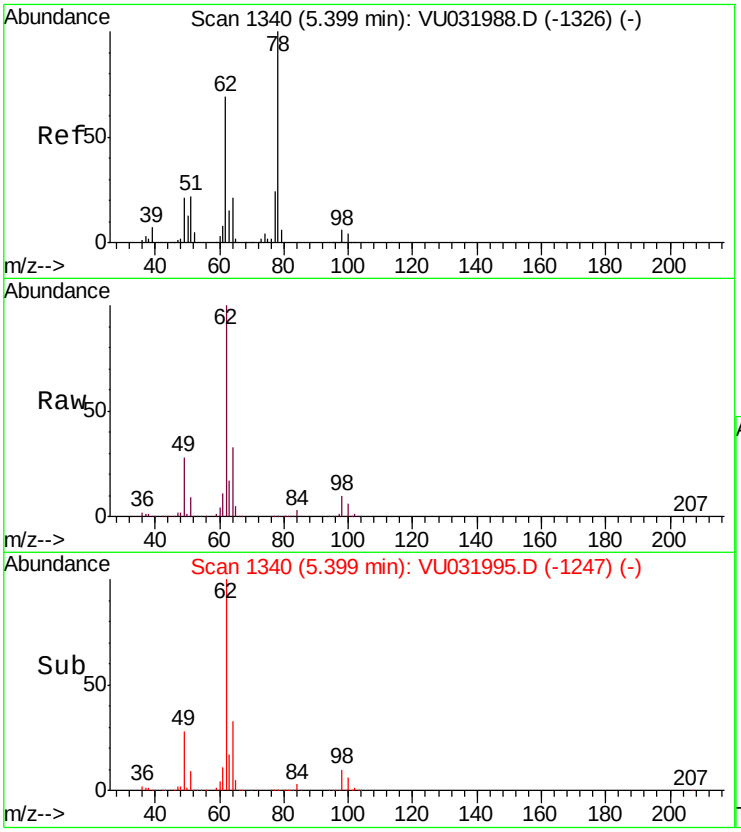


#20
cis-1,2-Dichloroethene
Concen: 19.595 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 96 Resp: 174701

Ion	Ratio	Lower	Upper
96	100		
61	128.3	93.0	172.8
68	0.0	0.0	0.0



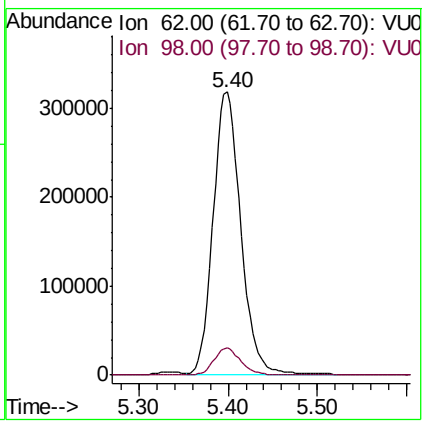


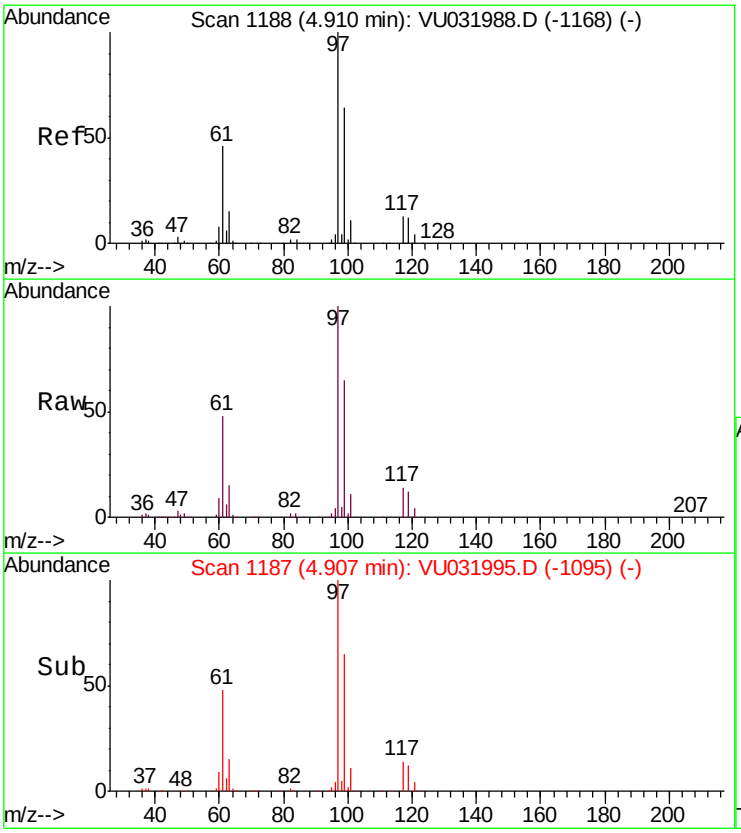
#27
1,2-Dichloroethane
Concen: 56.291 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument : MSVOA_U
ClientSampleId : DB845

Tgt Ion: 62 Resp: 681533

Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.2	10.8

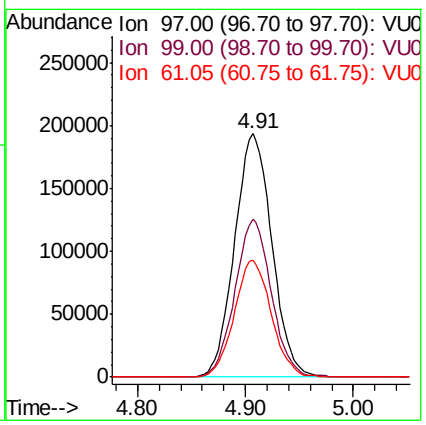


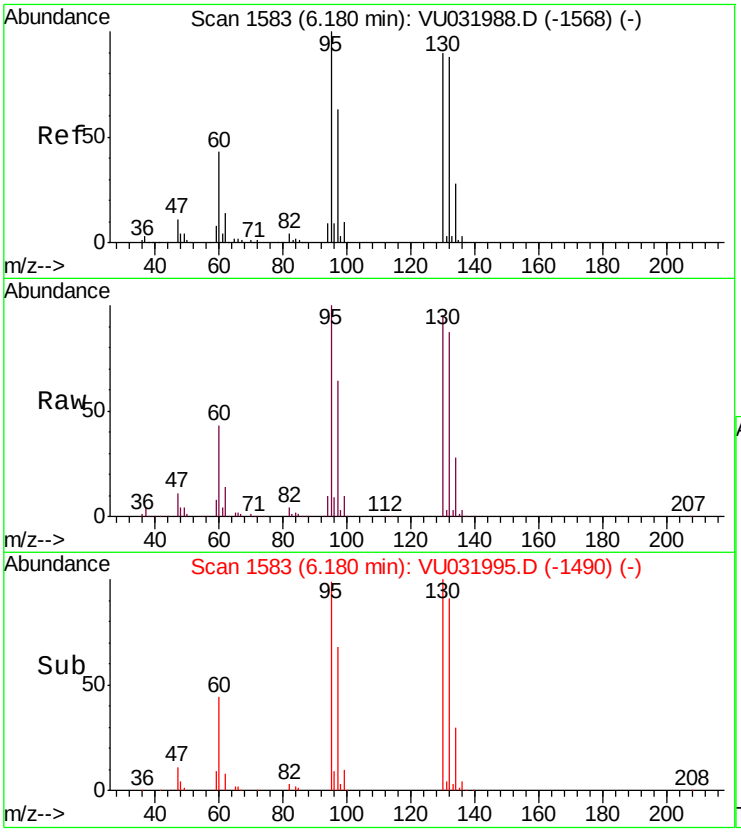


#30
1,1,1-Trichloroethane
Concen: 36.581 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 97 Resp: 466176

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.8	77.8
61	47.5	37.5	56.3



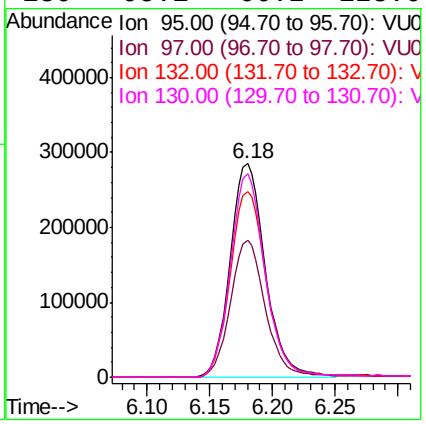


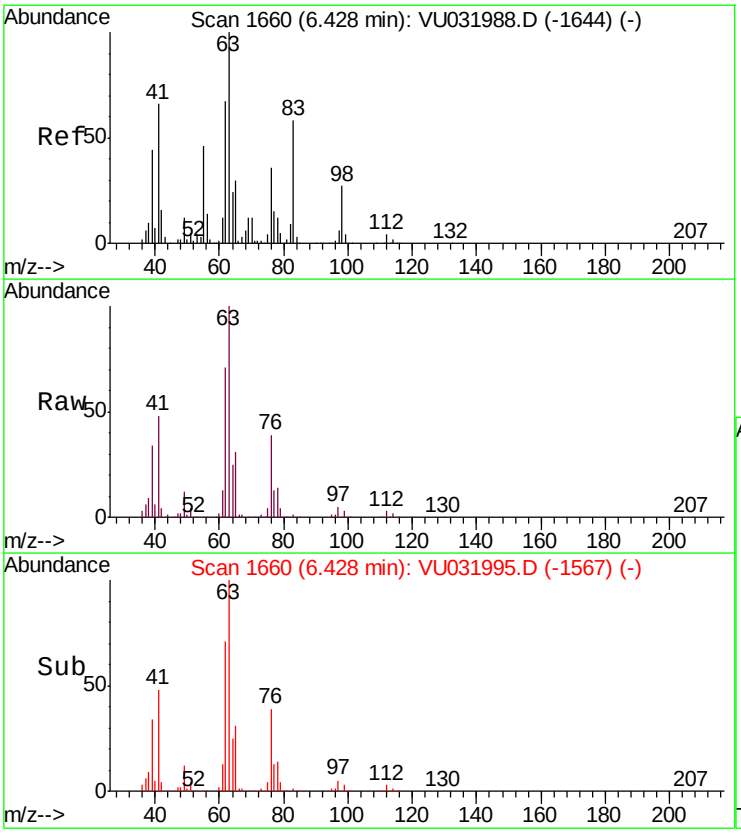
#34
Trichloroethene
Concen: 62.345 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion: 95 Resp: 555833

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.9	83.3
132	87.0	63.5	117.9
130	95.1	66.2	123.0

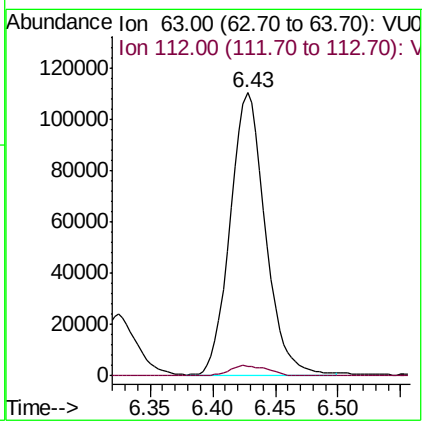


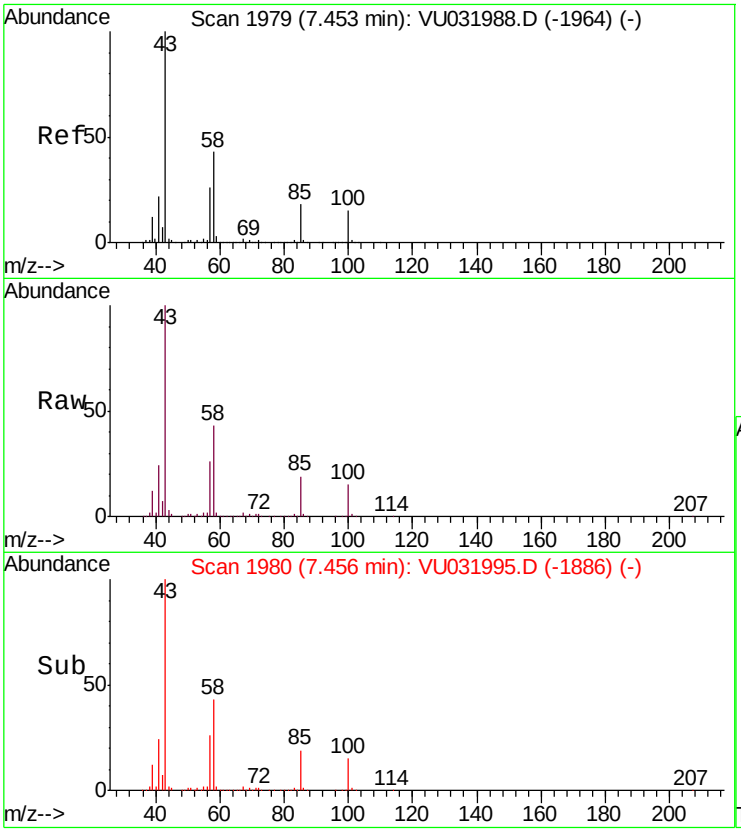


#37
1,2-Dichloropropane
Concen: 22.172 ug/L
RT: 6.43 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 63 Resp: 214385

Ion	Ratio	Lower	Upper
63	100		
112	4.0	3.0	4.4



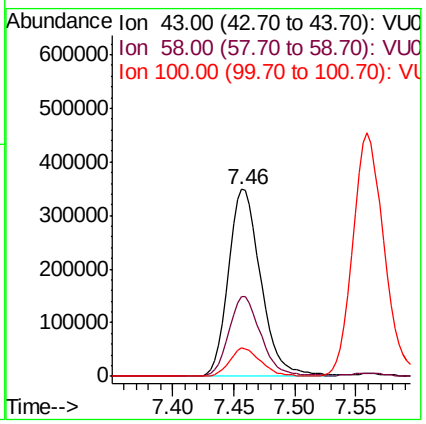


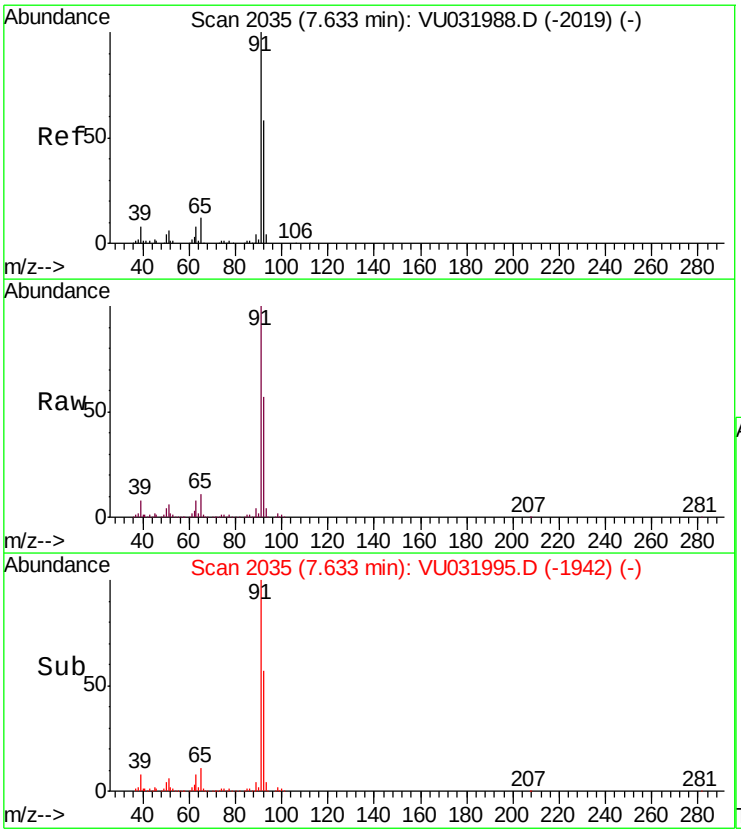
#40
4-Methyl-2-pentanone
Concen: 49.305 ug/L
RT: 7.46 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion: 43 Resp: 646841

Ion	Ratio	Lower	Upper
43	100		
58	42.2	33.6	50.4
100	14.5	11.8	17.8

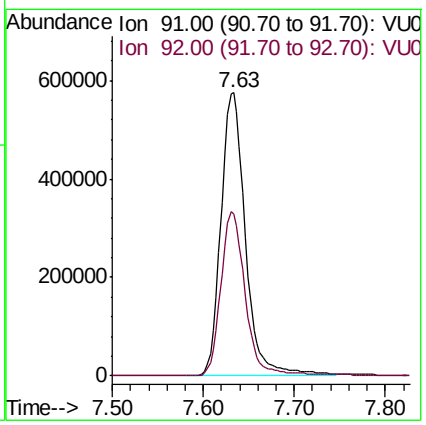


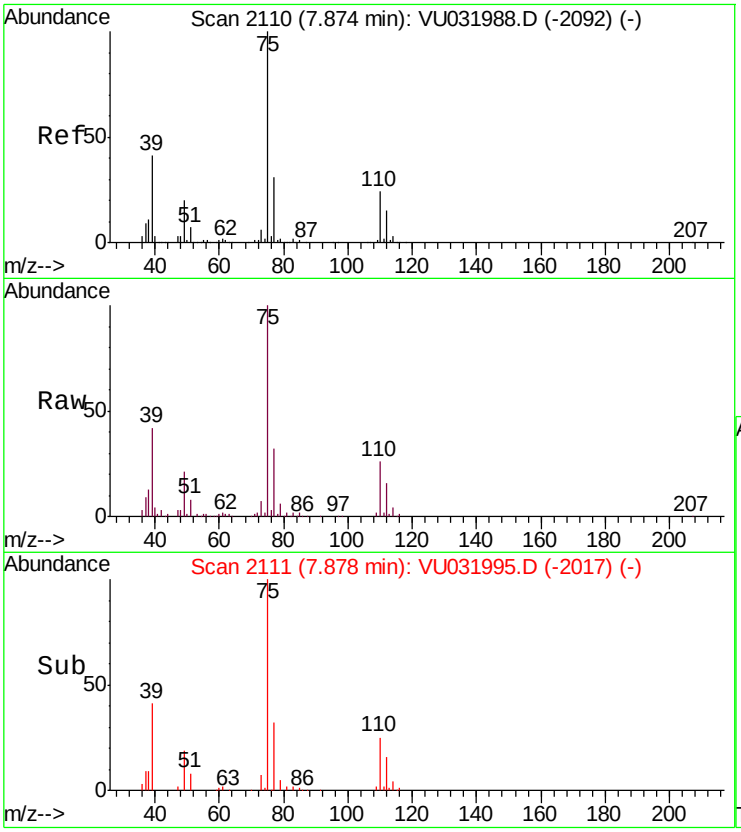


#42
Toluene
Concen: 29.175 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 91 Resp: 1077799

Ion	Ratio	Lower	Upper
91	100		
92	57.2	40.2	74.6



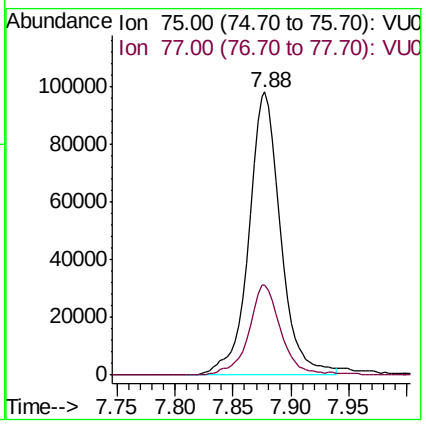


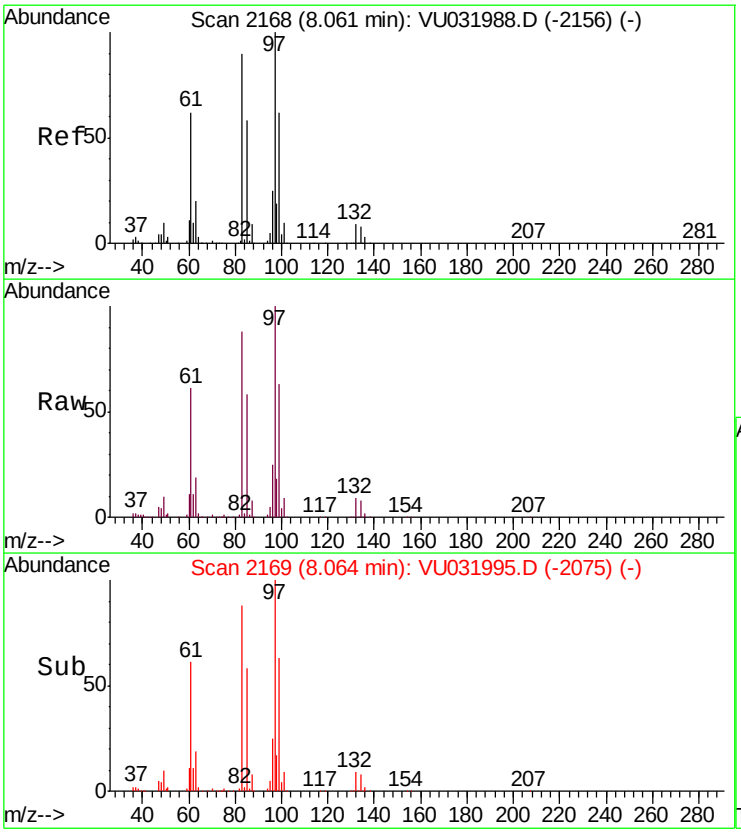
#44
trans-1,3-Dichloropropene
Concen: 15.658 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion: 75 Resp: 188778

Ion	Ratio	Lower	Upper
75	100		
77	32.0	22.5	41.7

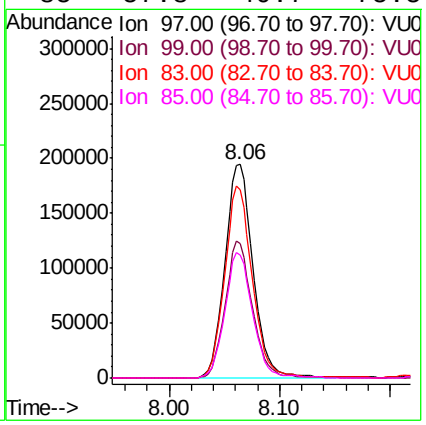


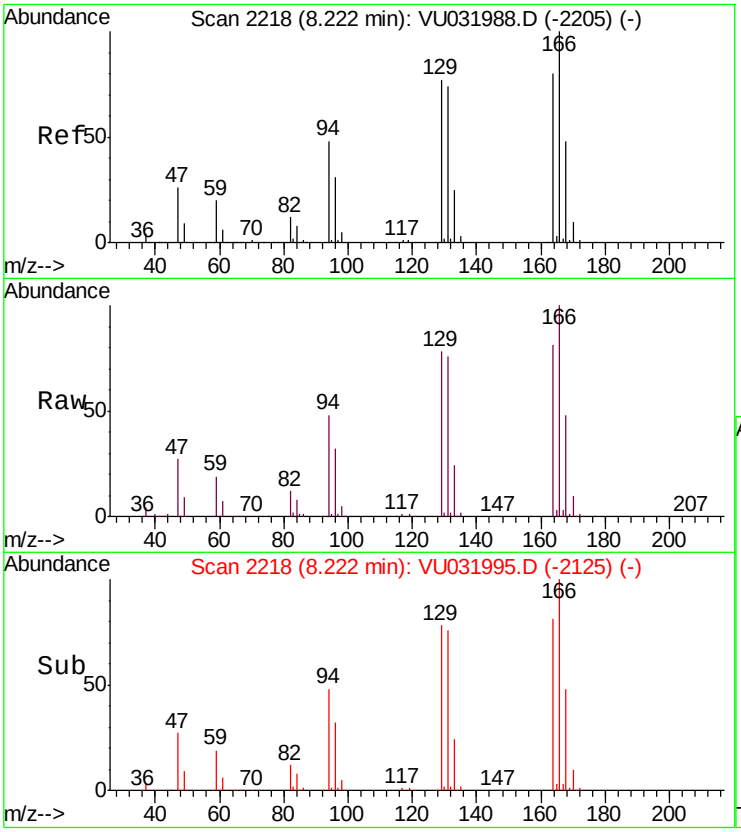


#45
1,1,2-Trichloroethane
Concen: 38.828 ug/L
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 97 Resp: 344253

Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.4	82.4
83	88.0	63.8	118.4
85	57.8	40.7	75.5



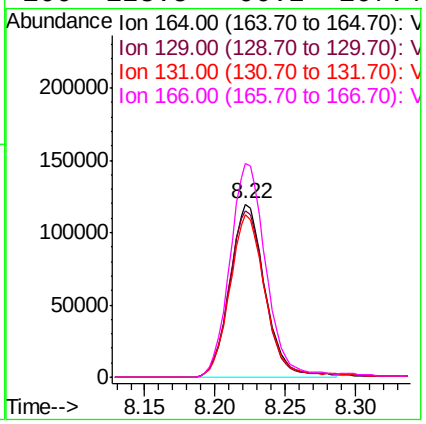


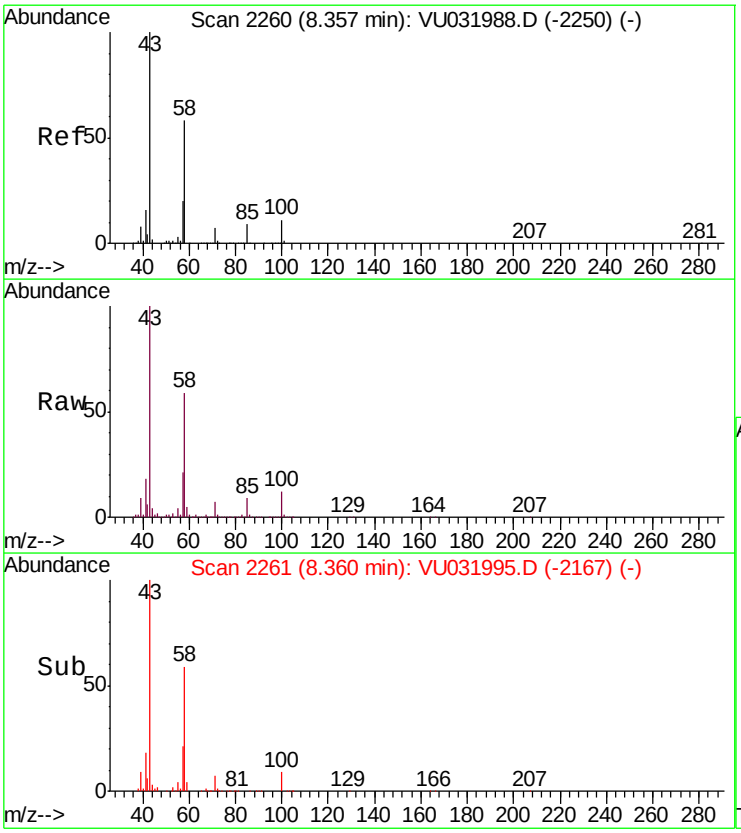
#46
Tetrachloroethene
Concen: 33.267 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion:164 Resp: 209399

Ion	Ratio	Lower	Upper
164	100		
129	96.1	70.9	131.7
131	93.6	67.4	125.2
166	123.5	90.2	167.4

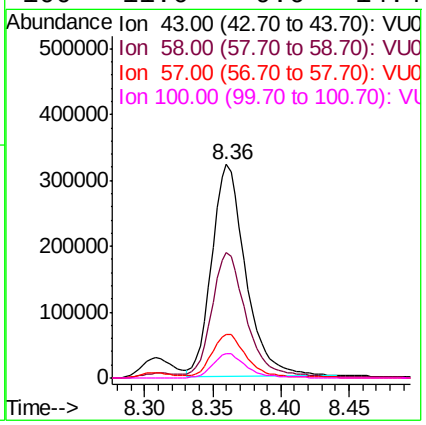


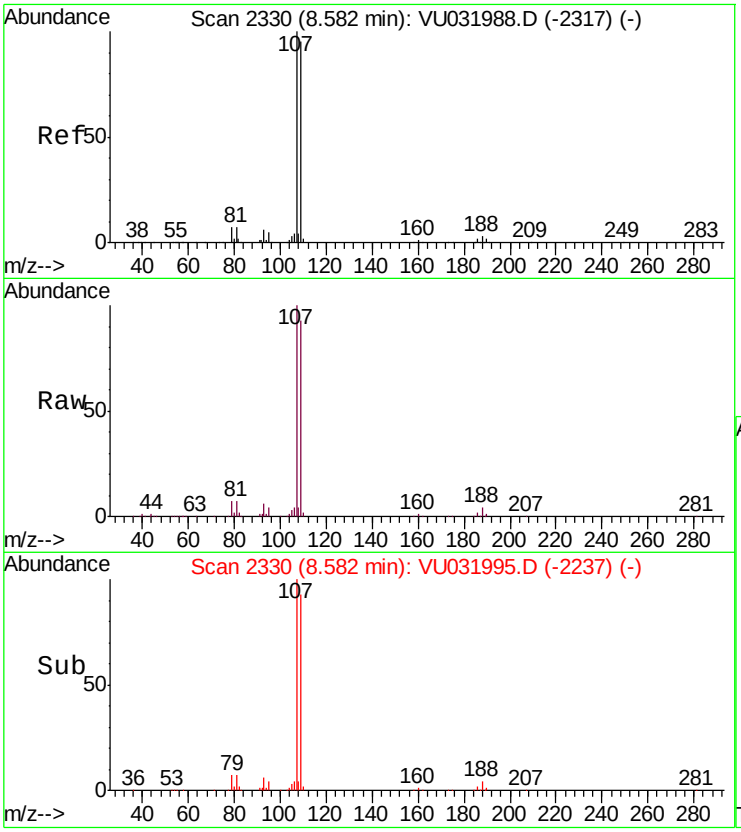


#48
2-Hexanone
Concen: 52.133 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 43 Resp: 555110

Ion	Ratio	Lower	Upper
43	100		
58	60.3	47.8	71.6
57	21.3	16.0	24.0
100	11.6	9.6	14.4



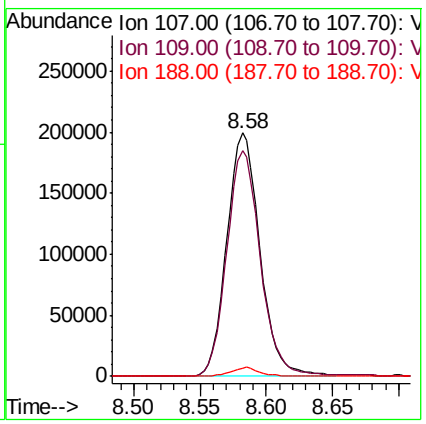


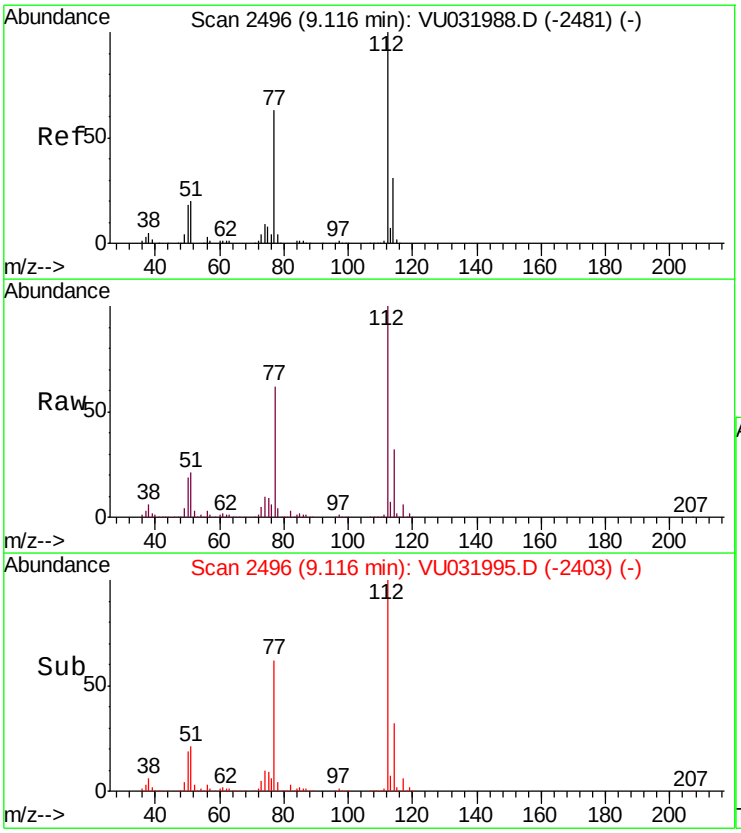
#50
1,2-Dibromoethane
Concen: 36.958 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion:107 Resp: 346759

Ion	Ratio	Lower	Upper
107	100		
109	92.7	66.0	122.6
188	3.5	2.7	4.1

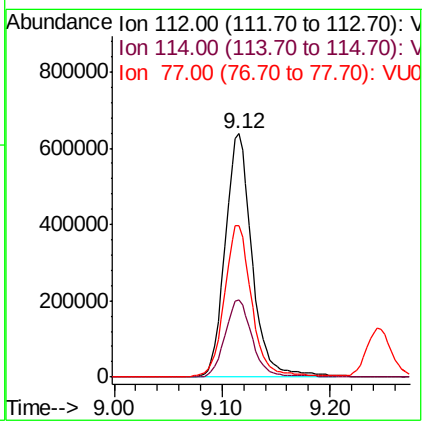


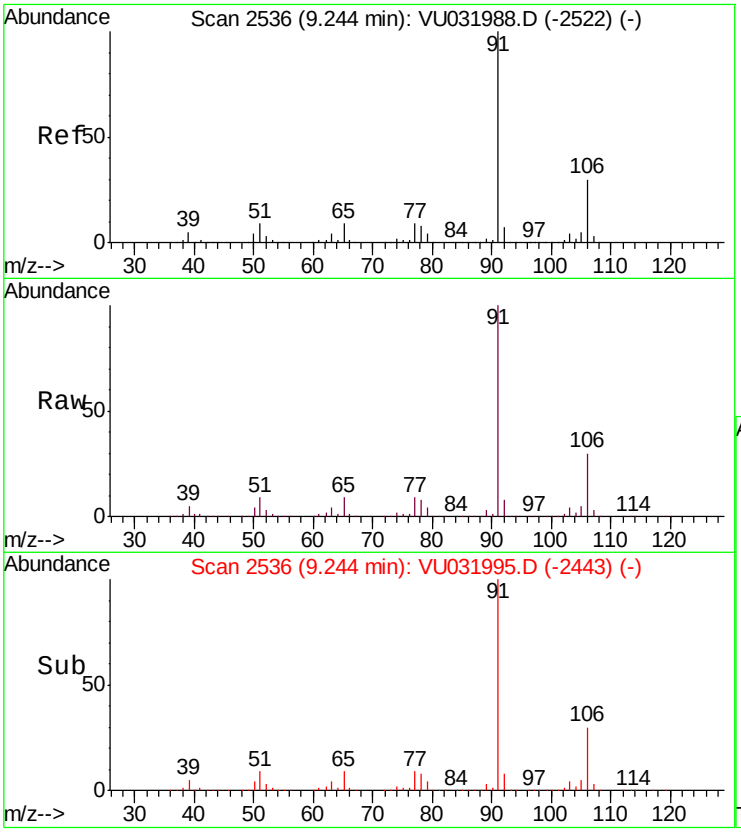


#51
Chlorobenzene
Concen: 47.289 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion:112 Resp: 1109210

Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.1	41.1
77	62.4	49.5	74.3



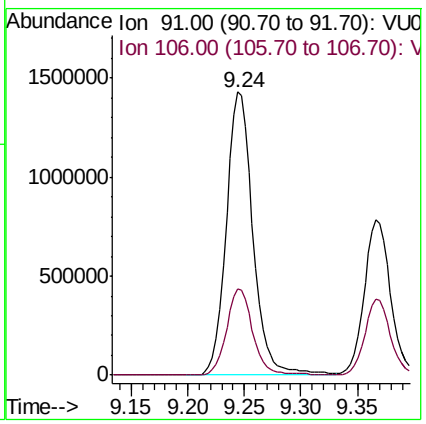


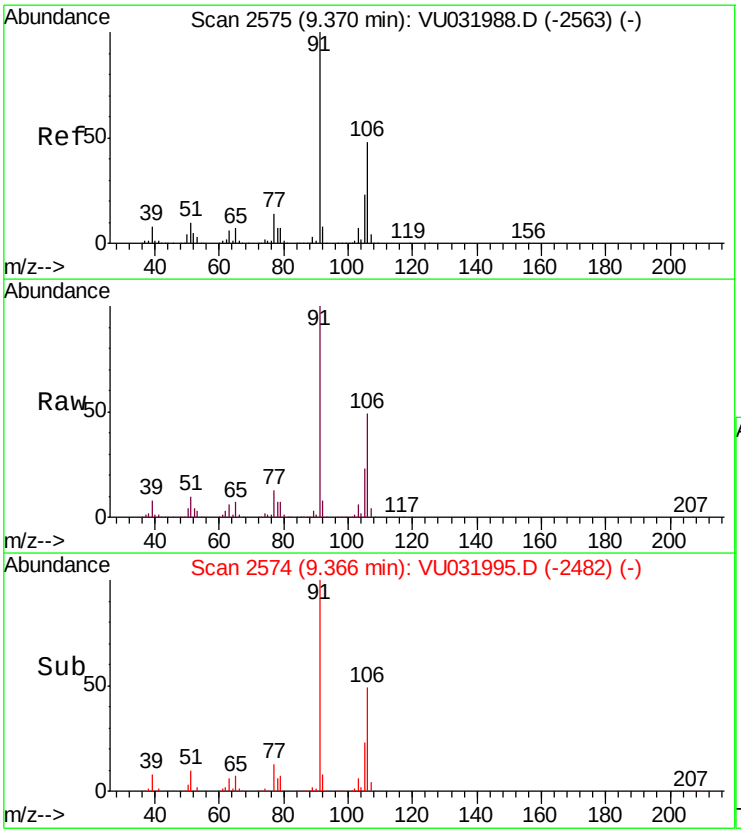
#52
Ethylbenzene
Concen: 59.359 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument : MSVOA_U
ClientSampleId : DB845

Tgt Ion: 91 Resp: 2346637

Ion	Ratio	Lower	Upper
91	100		
106	30.3	21.3	39.5

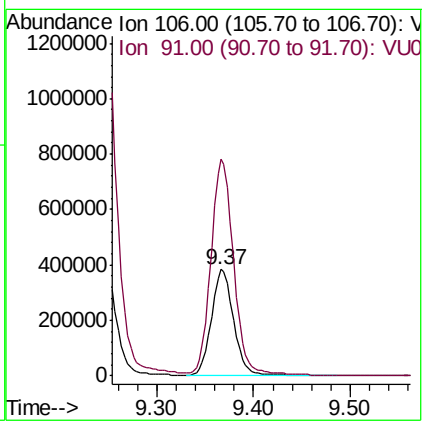


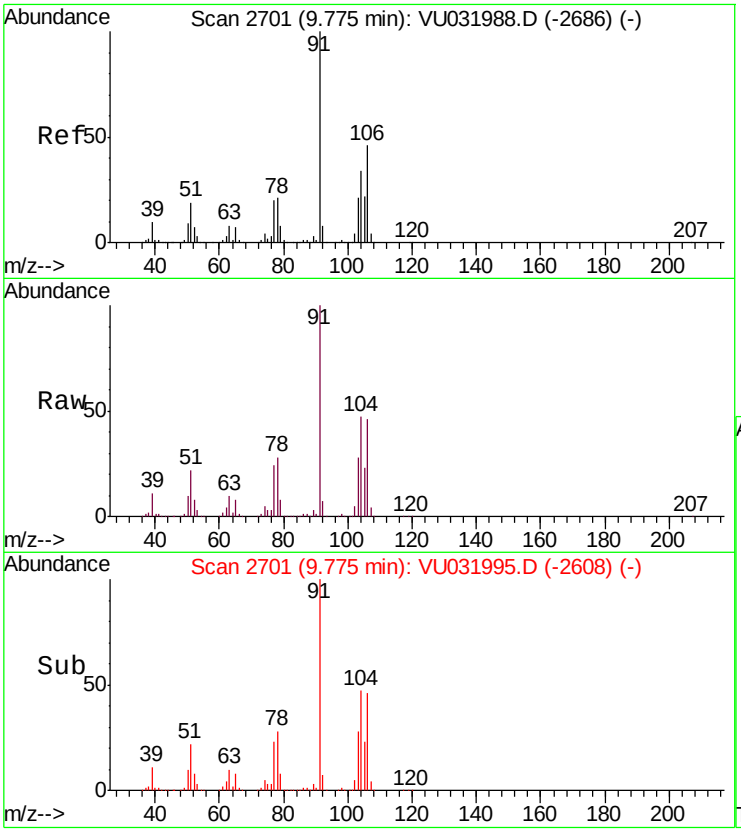


#53
m,p-Xylene
Concen: 42.946 ug/L
RT: 9.37 min Scan# 2574
Delta R.T. -0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion:106 Resp: 619577

Ion	Ratio	Lower	Upper
106	100		
91	204.4	144.8	269.0



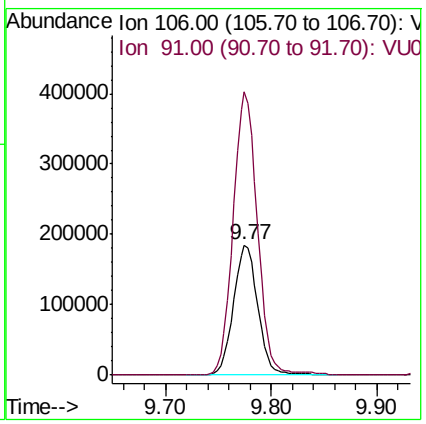


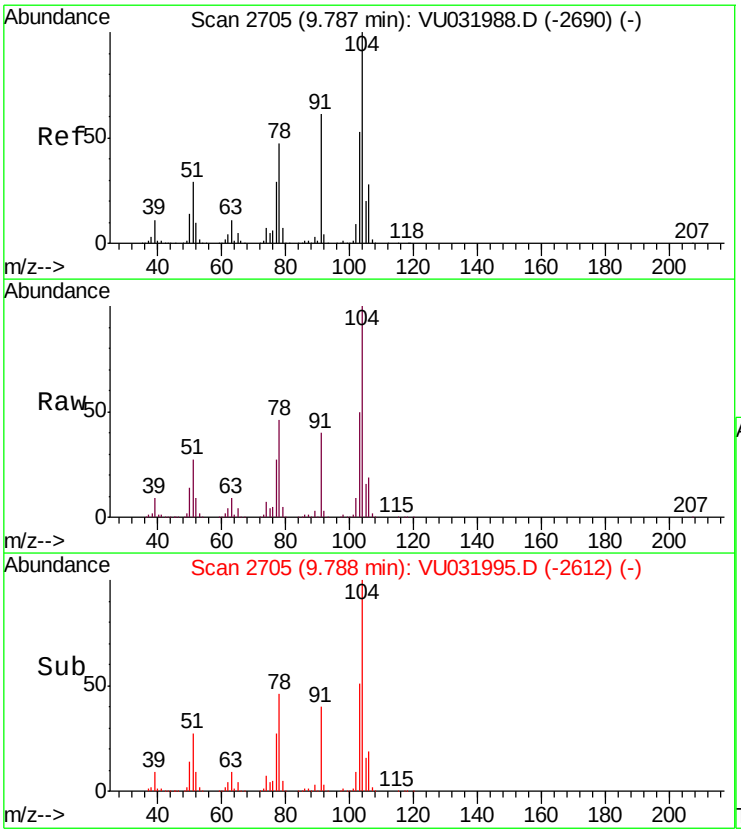
#54
o-xylene
Concen: 20.690 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion:106 Resp: 294722

Ion	Ratio	Lower	Upper
106	100		
91	217.5	153.9	285.7

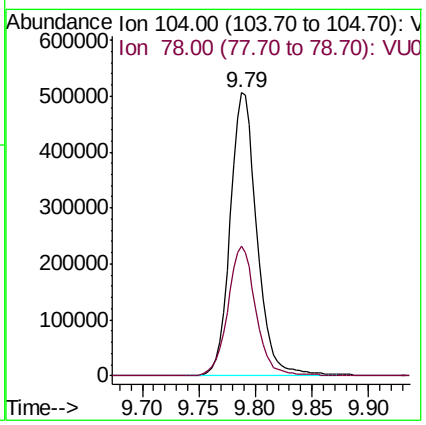


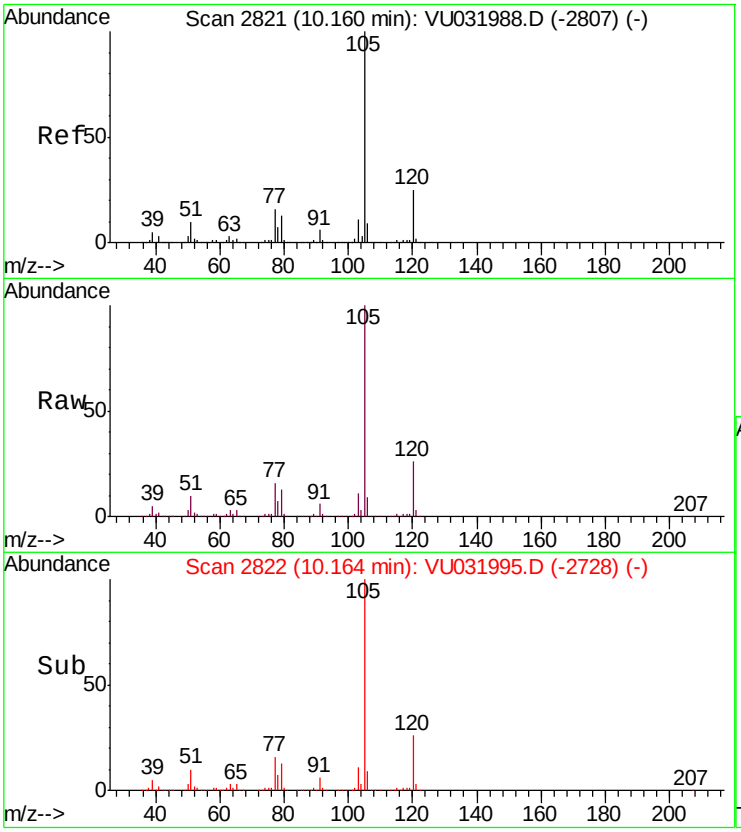


#55
Styrene
Concen: 34.137 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion:104 Resp: 834737

Ion	Ratio	Lower	Upper
104	100		
78	45.8	33.2	61.6



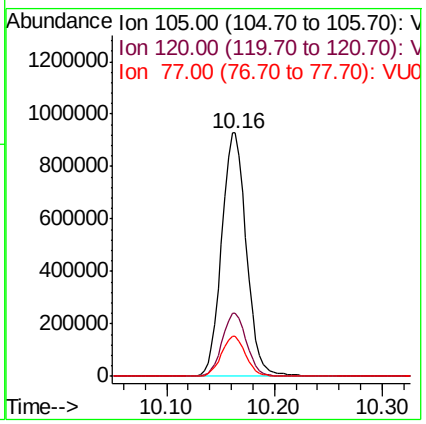


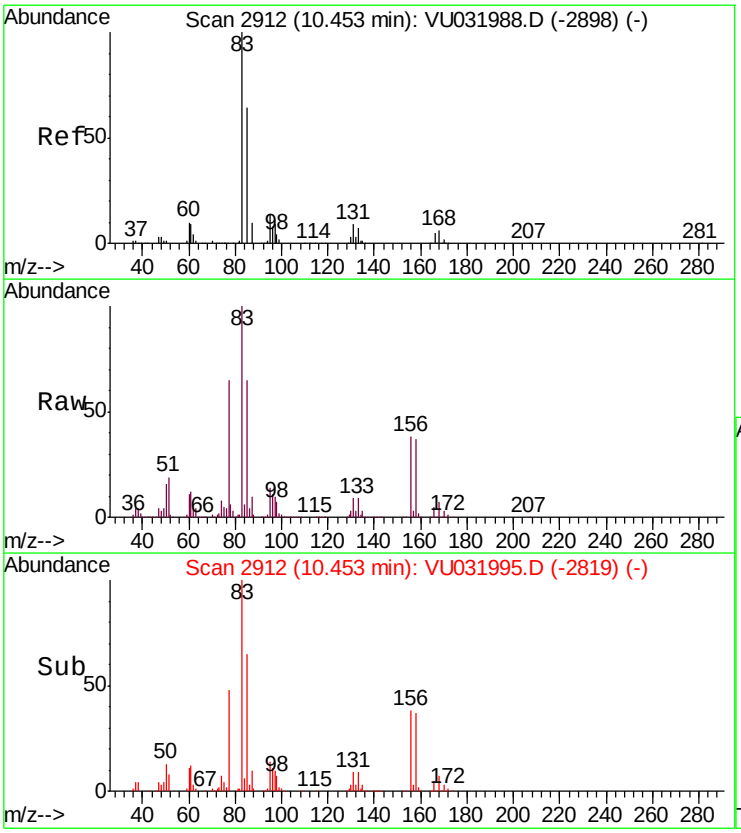
#56
Isopropylbenzene
Concen: 40.645 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion:105 Resp: 1483488

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.5	30.7
77	16.4	13.0	19.4

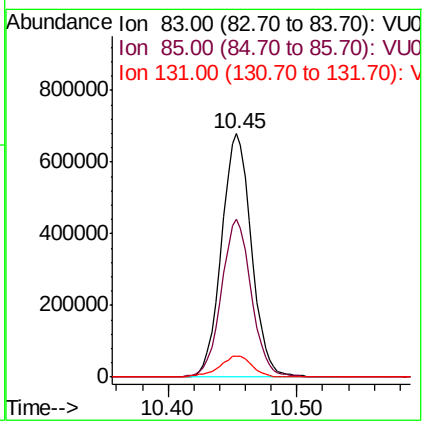


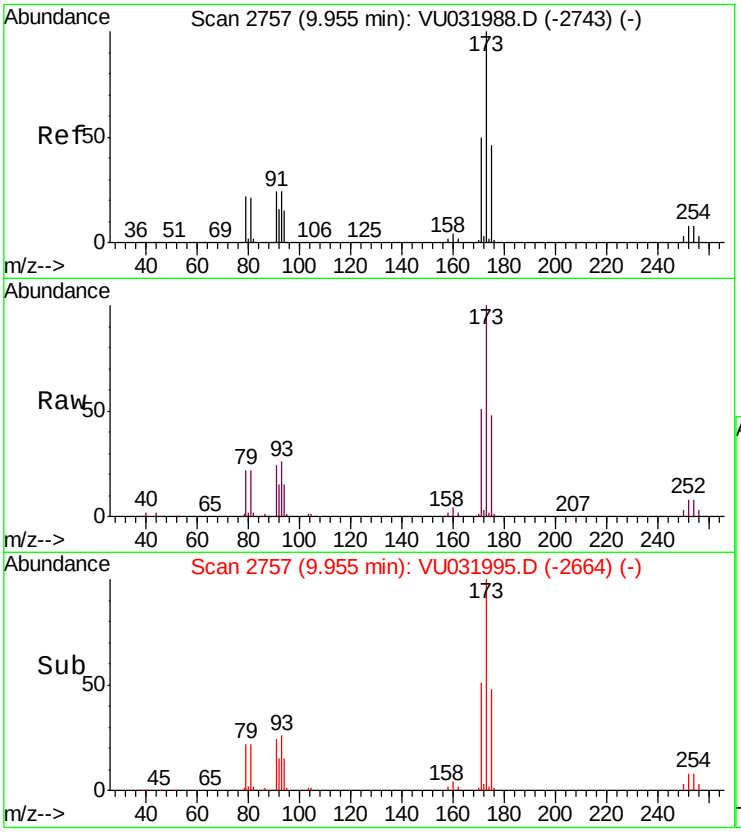


#58
1,1,2,2-Tetrachloroethane
Concen: 68.216 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion: 83 Resp: 1091682

Ion	Ratio	Lower	Upper
83	100		
85	65.0	45.8	85.2
131	8.8	7.0	10.4



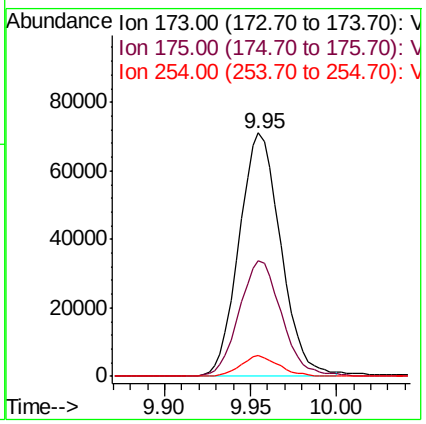


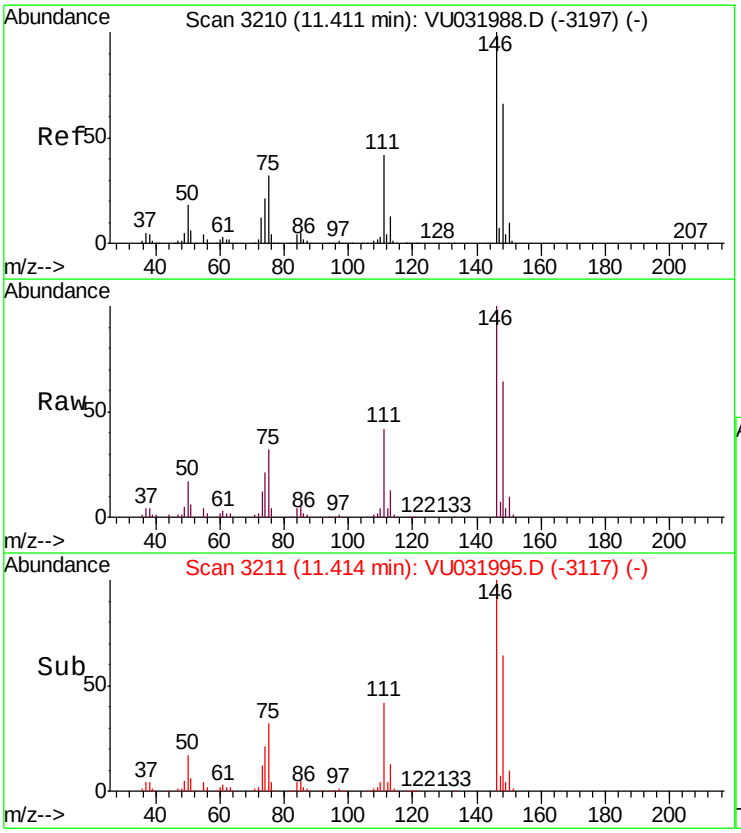
#61
Bromoform
Concen: 18.005 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion:173 Resp: 119454

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.4	57.6
254	7.8	6.6	9.8

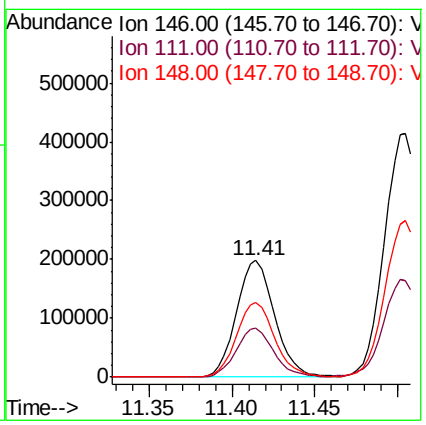


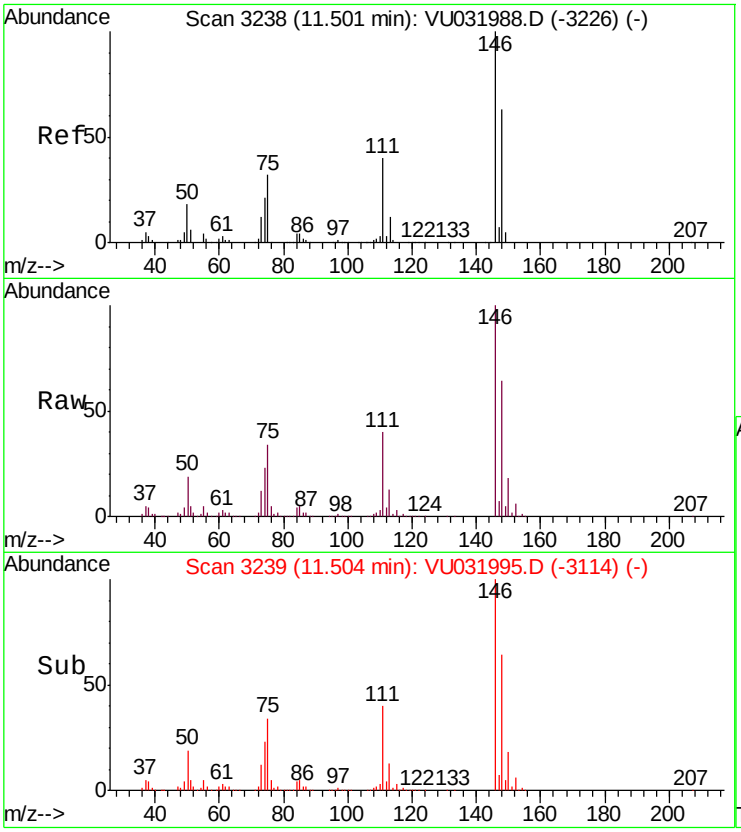


#62
1,3-Dichlorobenzene
Concen: 19.555 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion:146 Resp: 318038

Ion	Ratio	Lower	Upper
146	100		
111	42.0	29.0	53.9
148	64.2	43.3	80.3



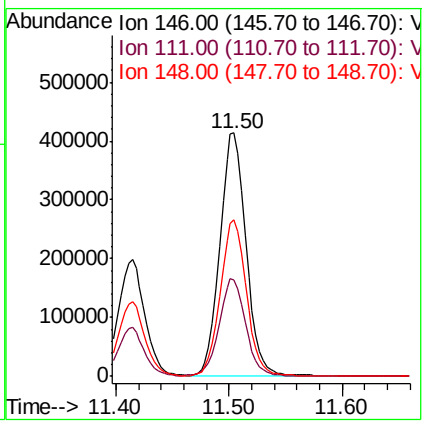


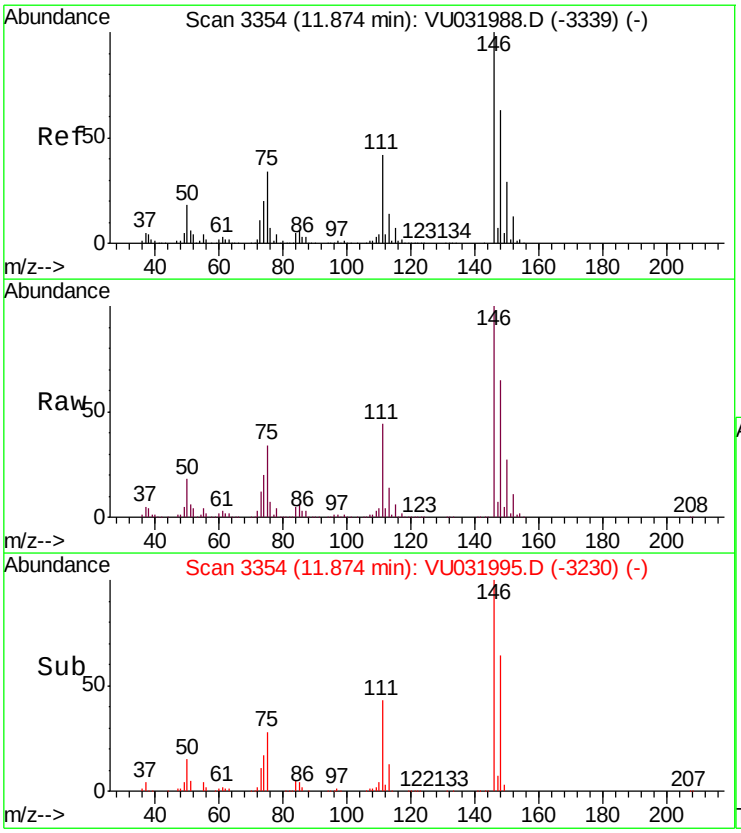
#63
1,4-Dichlorobenzene
Concen: 38.786 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion:146 Resp: 667230

Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.9	51.7
148	64.3	44.7	83.1

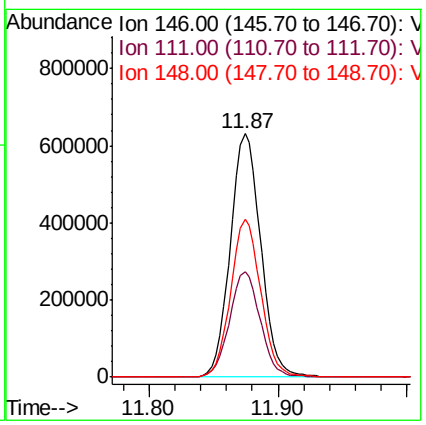


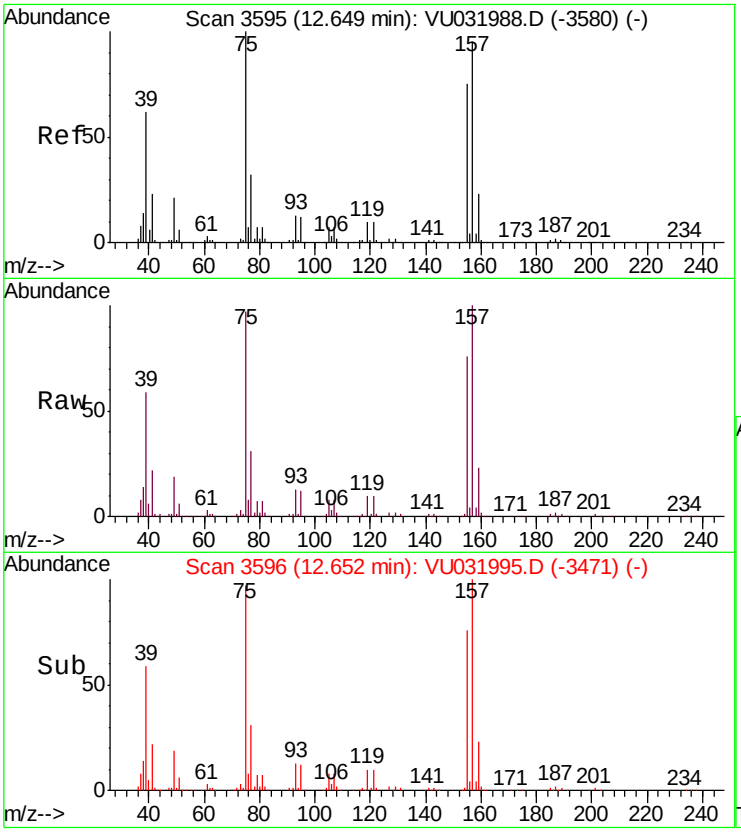


#65
1,2-Dichlorobenzene
Concen: 60.026 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion:146 Resp: 1034530

Ion	Ratio	Lower	Upper
146	100		
111	43.5	34.8	52.2
148	64.7	51.4	77.0



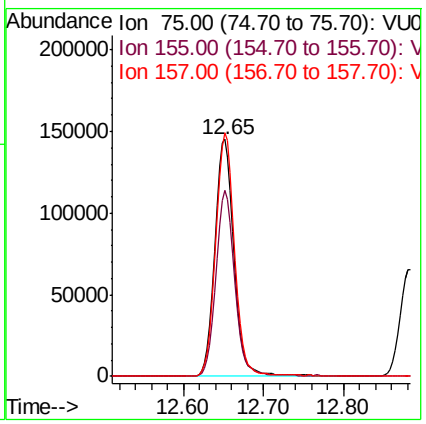


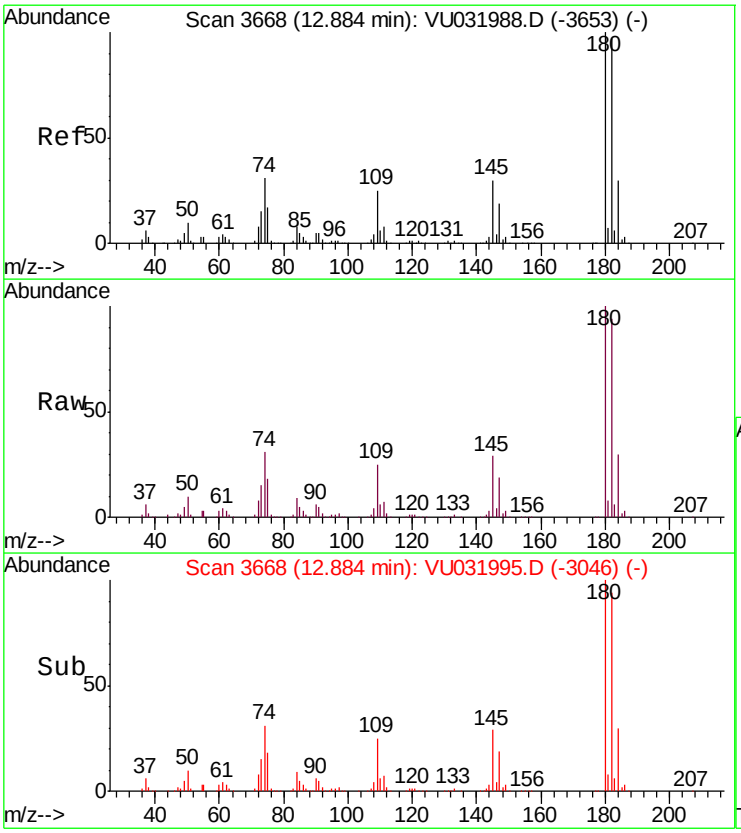
#66
1,2-Dibromo-3-chloropropane
Concen: 72.737 ug/L
RT: 12.65 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion: 75 Resp: 242179

Ion	Ratio	Lower	Upper
75	100		
155	78.4	63.8	95.8
157	102.9	80.2	120.2

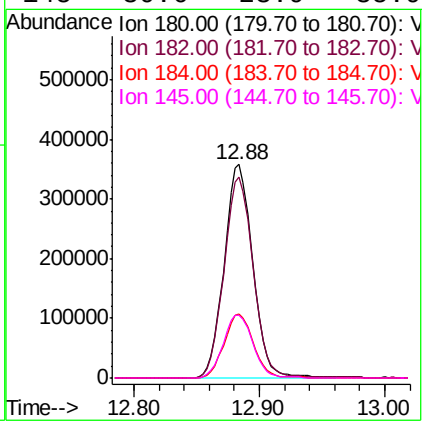


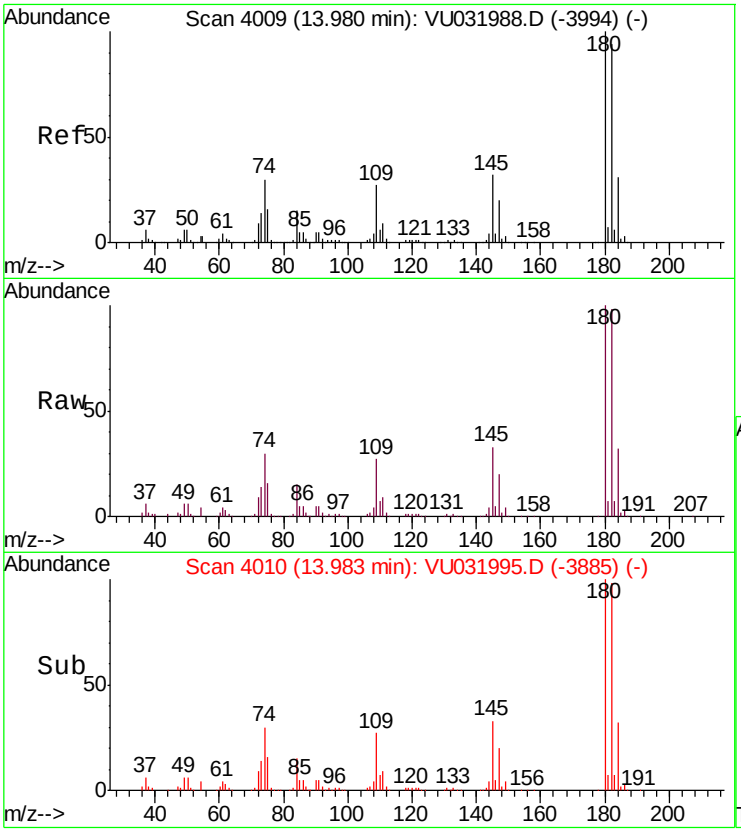


#67
1,3,5-Trichlorobenzene
Concen: 48.747 ug/L
RT: 12.88 min Scan# 3668
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Tgt Ion:180 Resp: 568560

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.4	114.6
184	30.4	24.7	37.1
145	30.6	23.9	35.9





#70
1,2,3-Trichlorobenzene
Concen: 34.940 ug/L
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031995.D
Acq: 14 May 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
DB845

Tgt Ion:180 Resp: 341694

Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.6
145	32.6	25.5	38.3