Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042419\

Quantitation Report (Not Reviewed)

Data File : VU031466.D
Acq On : 24 Apr 2019 13:19
Operator : JC/SP
Sample : K2517-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHY8

Quant Time: Apr 25 06:08:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:05:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	363140	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	344253	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	153580	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	138903	4.78	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 95.60%			
7) Chloroethane-d5	1.68	69	113202	5.10	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 102.00%			
11) 1,1-Dichloroethene-d2	2.27	63	279694	5.11	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 102.20%			
20) 2-Butanone-d5	4.21	46	404998	51.96	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 103.92%			
24) Chloroform-d	4.64	84	232772	5.05	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 101.00%			
26) 1,2-Dichloroethane-d4	5.31	65	126042	5.14	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 102.80%			
32) Benzene-d6	5.33	84	461500	4.94	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.80%			
36) 1,2-Dichloropropane-d6	6.33	67	155606	5.12	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 102.40%			
41) Toluene-d8	7.56	98	390709	4.71	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.20%			
43) trans-1,3-Dichloropropene-	7.85	79	58163	4.88	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 97.60%			
46) 2-Hexanone-d5	8.31	63	291920	49.71	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 99.42%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	122713	5.07	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 101.40%			
64) 1,2-Dichlorobenzene-d4	11.86	152	138566	5.05	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 101.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	64130	2.058	ug/L	97
3) Chloromethane	1.32	50	241170	6.282	ug/L	99
5) Vinyl chloride	1.40	62	173135	4.569	ug/L	96
6) Bromomethane	1.63	94	91222	4.688	ug/L	99
8) Chloroethane	1.70	64	90934	4.240	ug/L	96
9) Trichlorofluoromethane	1.88	101	382645	8.768	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	104123	4.126	ug/L	98
12) 1,1-Dichloroethene	2.28	96	138206	5.477	ug/L	94
16) Methylene chloride	2.70	84	93724	3.284	ug/L	96
17) Methyl tert-butyl Ether	3.00	73	369321	5.184	ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	171231	6.444	ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	172295	6.267	ug/L	98
23) Bromochloromethane	4.54	128	25137	2.126	ug/L	94
25) Chloroform	4.67	83	220175	4.696	ug/L	98
27) 1,2-Dichloroethane	5.40	62	156633	5.083	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	204213	5.186	ug/L	99
31) Carbon tetrachloride	5.13	117	169307	4.998	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042419\

Quantitation Report (Not Reviewed)

Data File : VU031466.D
Acq On : 24 Apr 2019 13:19
Operator : JC/SP
Sample : K2517-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHY8

Quant Time: Apr 25 06:08:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:05:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Trichloroethene	6.18	95	225051	8.027	ug/L		97
37) 1,2-Dichloropropane	6.43	63	143187	5.023	ug/L		99
38) Bromodichloromethane	6.75	83	70348	2.109	ug/L		100
39) cis-1,3-Dichloropropene	7.27	75	65679	1.657	ug/L		97
42) Toluene	7.63	91	312100	2.923	ug/L		98
45) 1,1,2-Trichloroethane	8.06	97	160082	8.241	ug/L		98
47) Tetrachloroethene	8.22	164	98340	5.020	ug/L		99
48) 2-Hexanone	8.37	43	21055	1.539	ug/L	#	87
49) Dibromochloromethane	8.47	129	129886	5.966	ug/L		96
52) Ethylbenzene	9.25	91	1143551	10.060	ug/L		99
53) m,p-Xylene	9.25	106	341934	8.447	ug/L	#	21
54) o-Xylene	9.78	106	121351	3.036	ug/L		99
55) Styrene	9.79	104	199994	3.025	ug/L		98
56) Isopropylbenzene	10.16	105	770925	7.300	ug/L		99
58) 1,1,2,2-Tetrachloroethane	10.45	83	115364	4.667	ug/L		98
59) 1,2,3-Trichloropropane	10.45	75	16341	0.910	ug/L	#	1
62) 1,3-Dichlorobenzene	11.41	146	98287	2.162	ug/L		99
65) 1,2-Dichlorobenzene	11.88	146	93329	2.070	ug/L		98

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

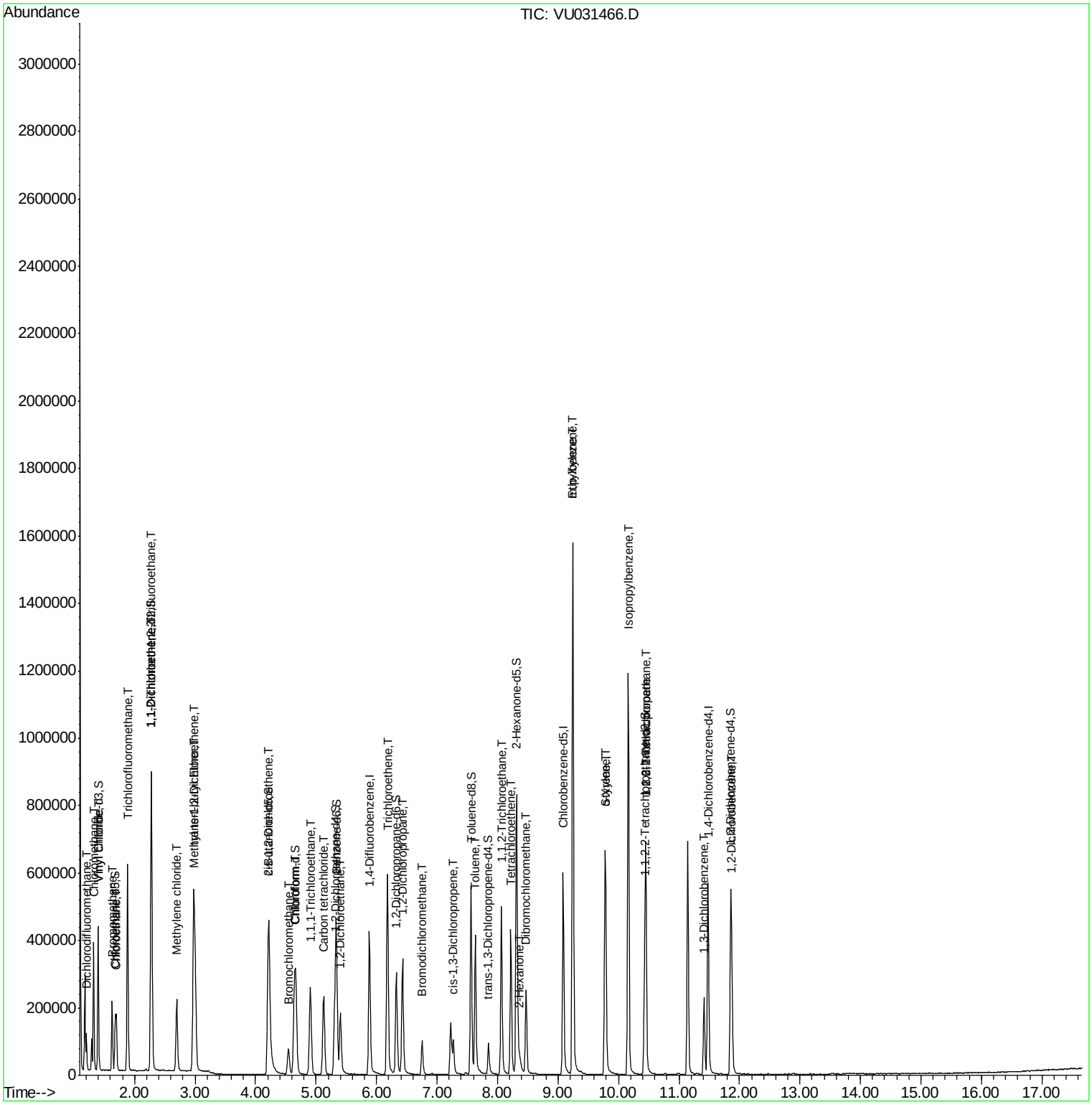
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042419\

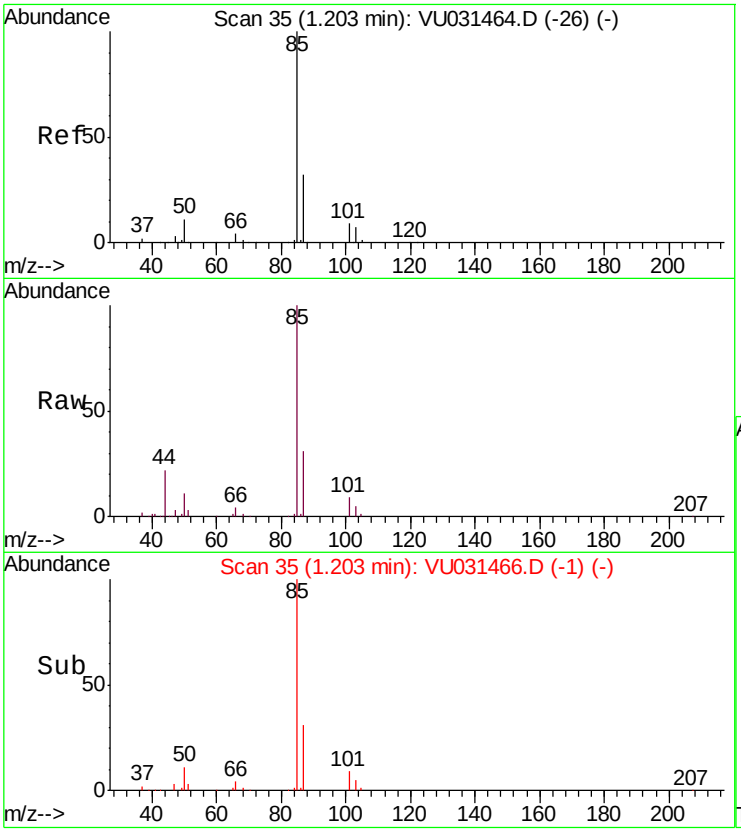
Quantitation Report (Not Reviewed)

Data File : VU031466.D
Acq On : 24 Apr 2019 13:19
Operator : JC/SP
Sample : K2517-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Quant Time: Apr 25 06:08:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:05:25 2019
Response via : Initial Calibration



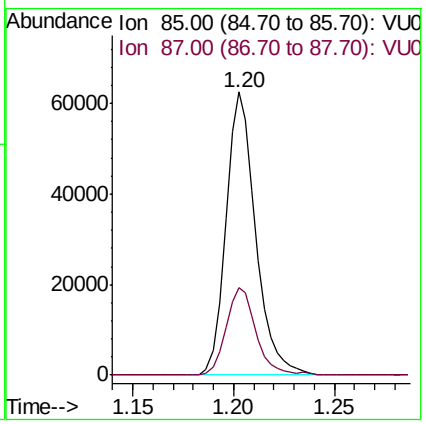


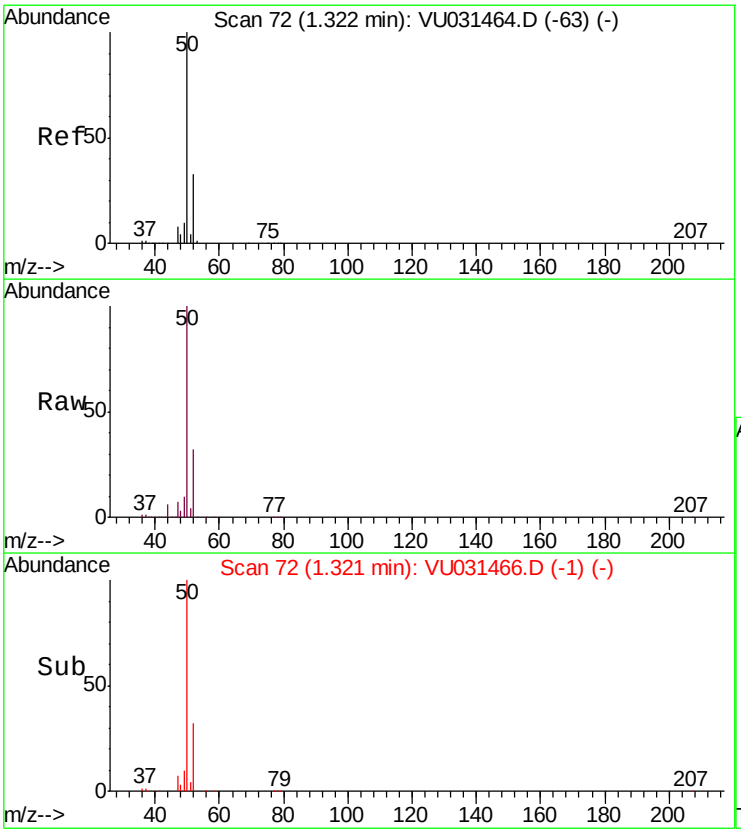
#2
Dichlorodifluoromethane
Concen: 2.058 ug/L
RT: 1.20 min Scan# 35
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion: 85 Resp: 64130

Ion	Ratio	Lower	Upper
85	100		
87	31.1	26.3	39.5

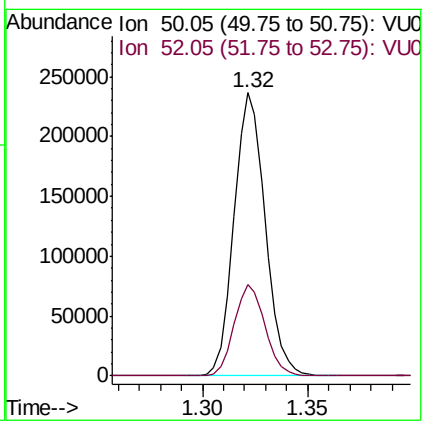


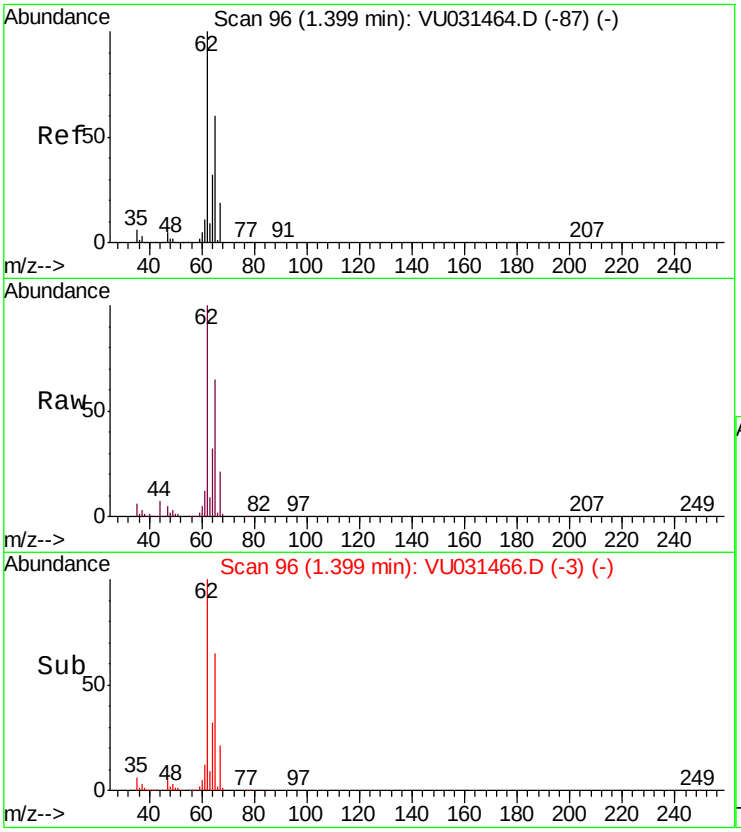


#3
Chloromethane
Concen: 6.282 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 50 Resp: 241170

Ion	Ratio	Lower	Upper
50	100		
52	32.1	23.0	42.8



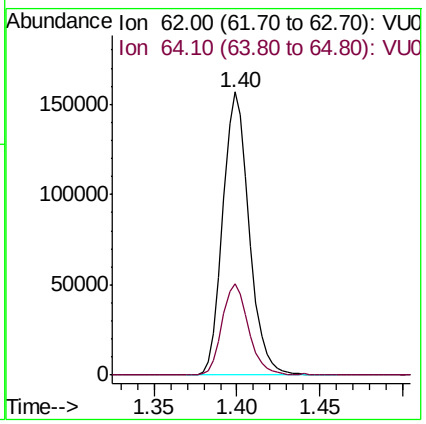


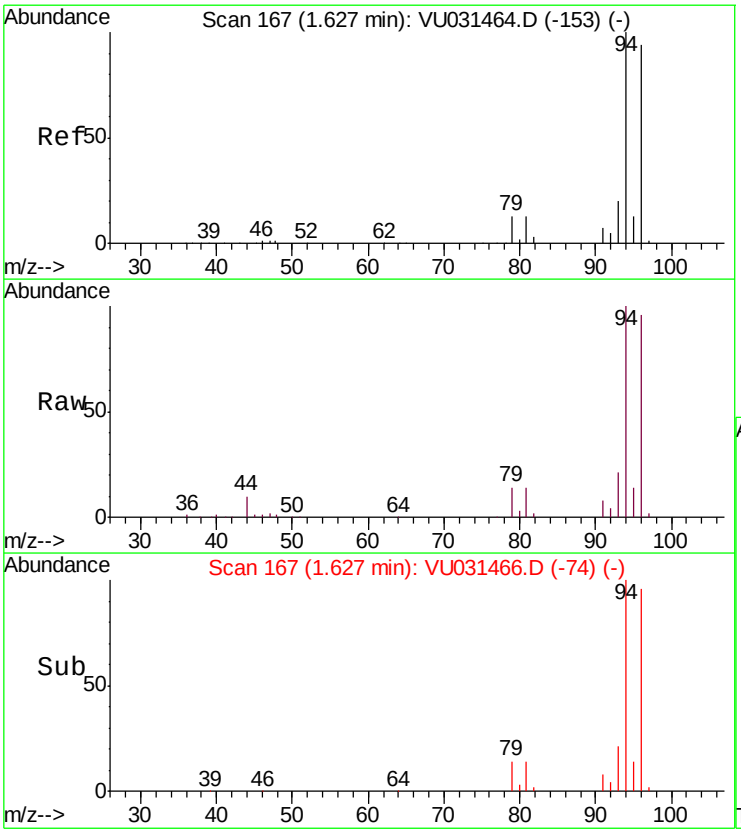
#5
Vinyl chloride
Concen: 4.569 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion: 62 Resp: 173135

Ion	Ratio	Lower	Upper
62	100		
64	32.2	23.9	44.5

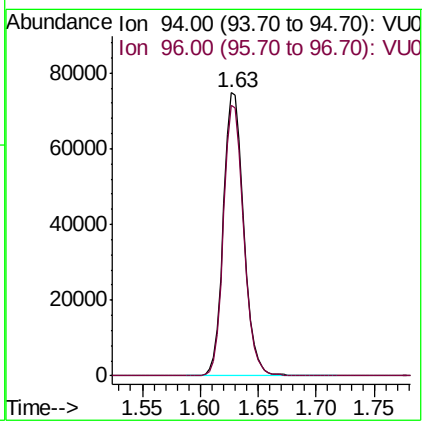


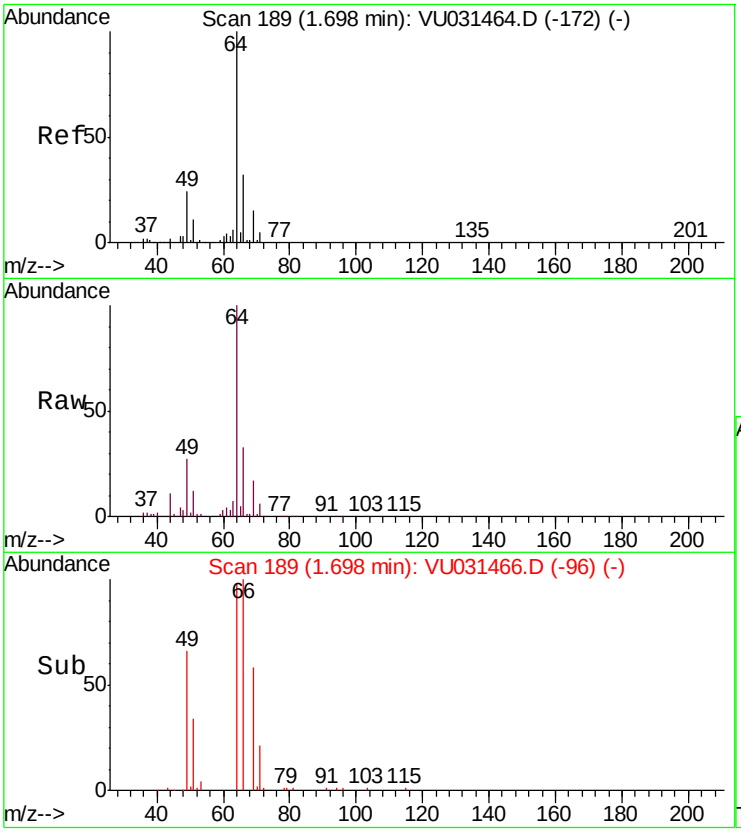


#6
Bromomethane
Concen: 4.688 ug/L
RT: 1.63 min Scan# 167
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 94 Resp: 91222

Ion	Ratio	Lower	Upper
94	100		
96	95.8	66.3	123.1



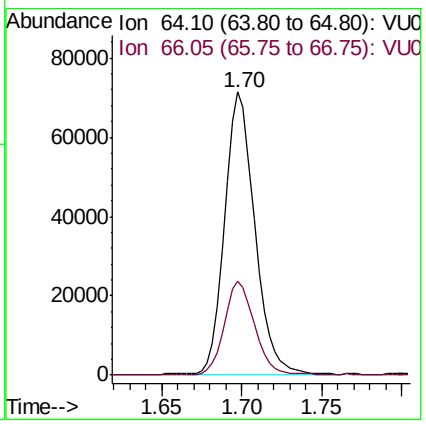


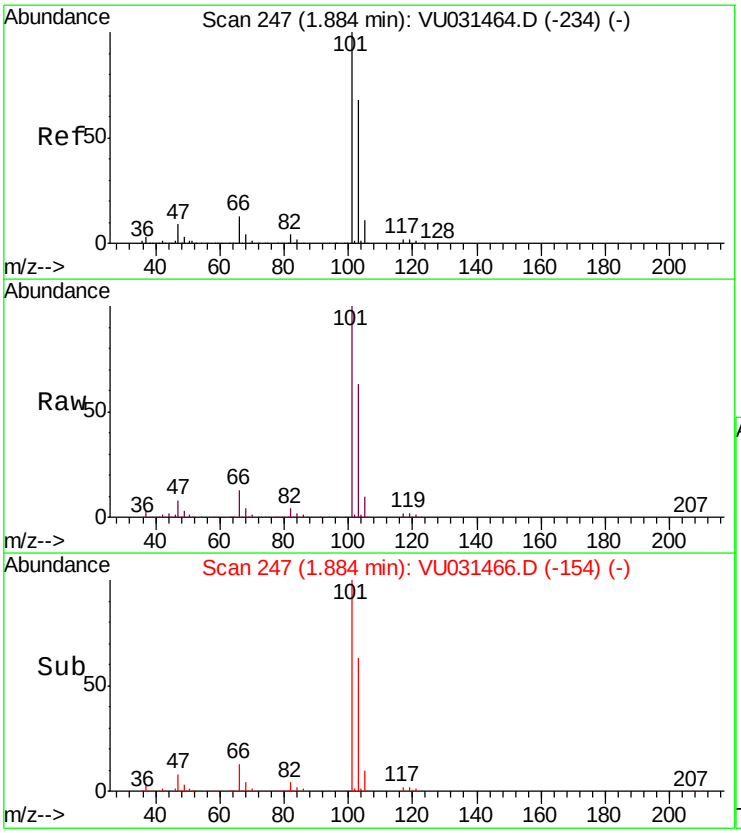
#8
Chloroethane
Concen: 4.240 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion: 64 Resp: 90934

Ion	Ratio	Lower	Upper
64	100		
66	33.3	22.0	40.8

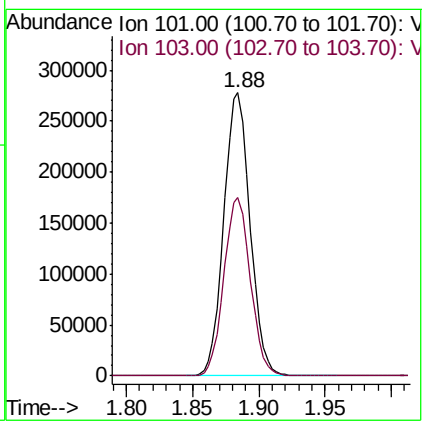


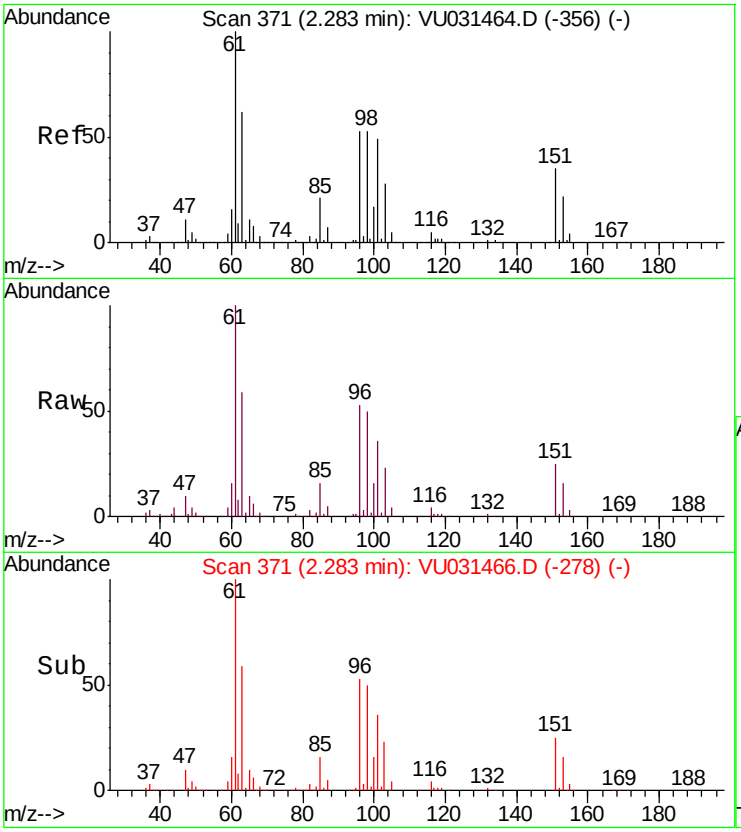


#9
Trichlorofluoromethane
Concen: 8.768 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion:101 Resp: 382645

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.7	79.1



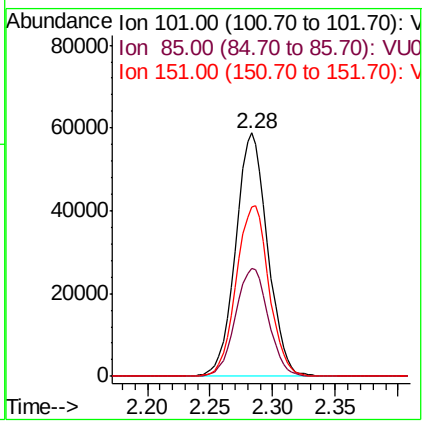


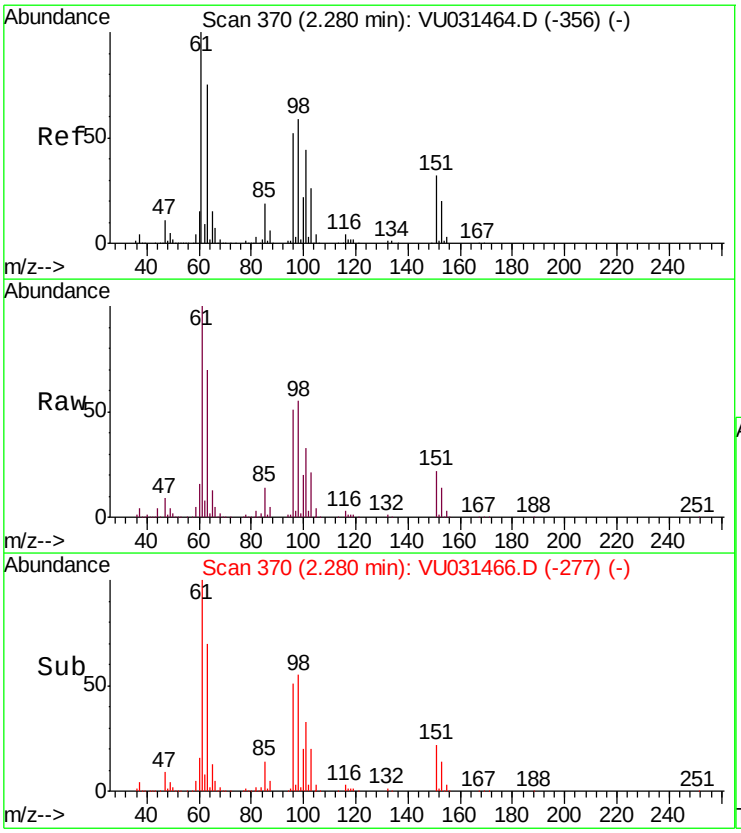
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.126 ug/L
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion:101 Resp: 104123

Ion	Ratio	Lower	Upper
101	100		
85	45.3	35.8	53.6
151	71.8	59.2	88.8

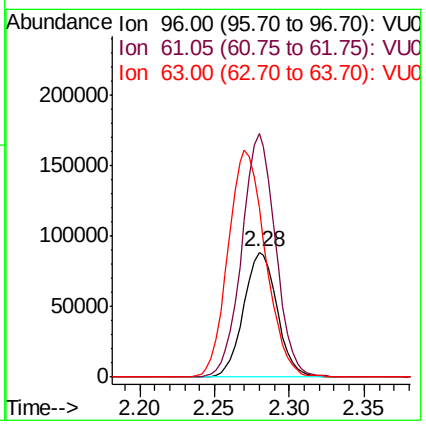


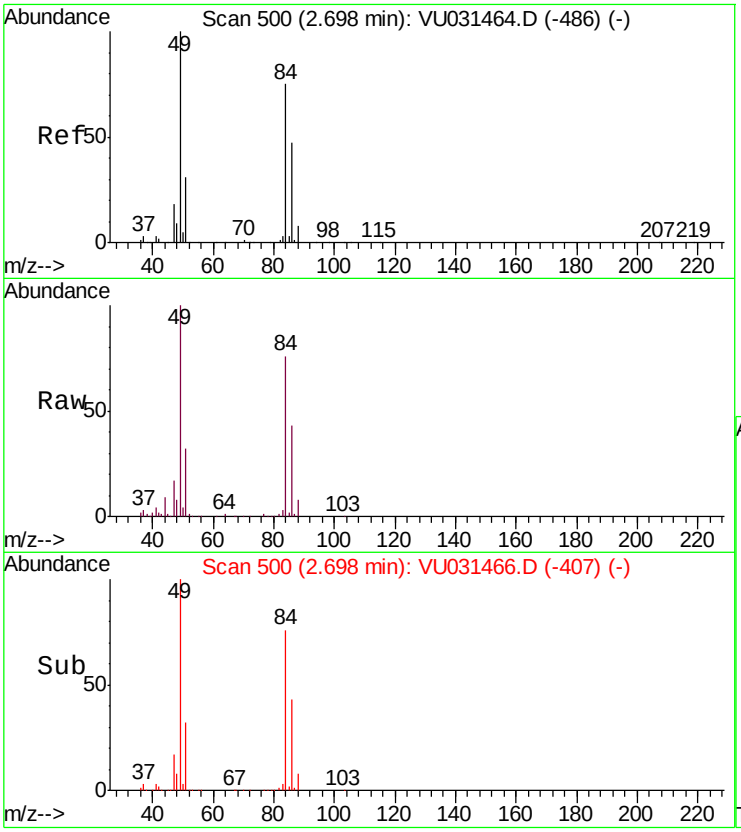


#12
1,1-Dichloroethene
Concen: 5.477 ug/L
RT: 2.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 96 Resp: 138206

Ion	Ratio	Lower	Upper
96	100		
61	194.6	131.3	243.8
63	135.5	101.9	189.3



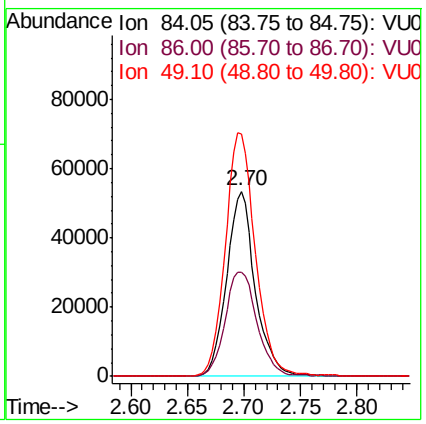


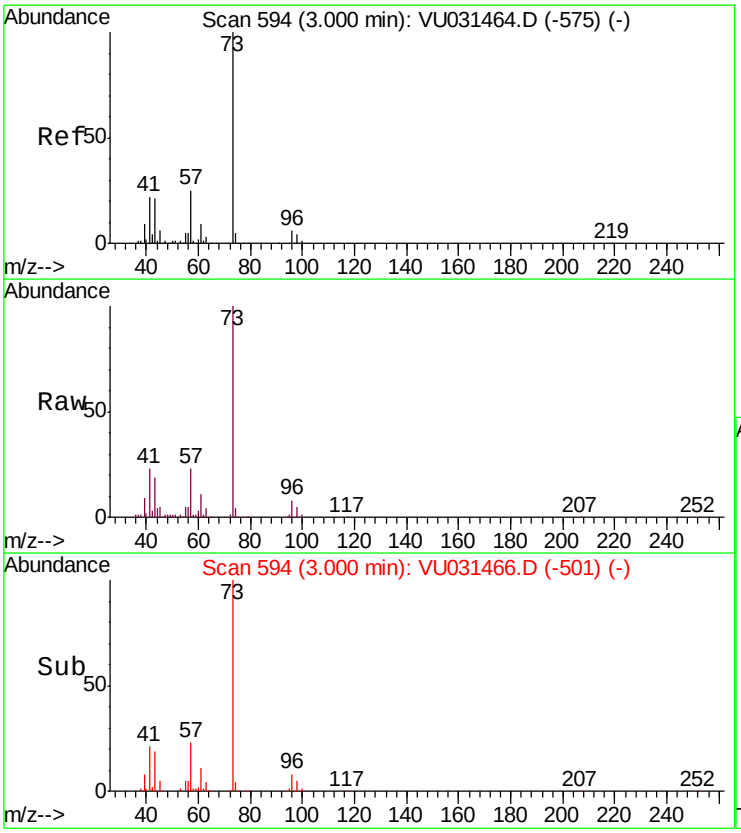
#16
Methylene chloride
Concen: 3.284 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument : MSVOA_U
ClientSampleId : GAHY8

Tgt Ion: 84 Resp: 93724

Ion	Ratio	Lower	Upper
84	100		
86	56.1	44.9	83.5
49	131.4	92.9	172.5

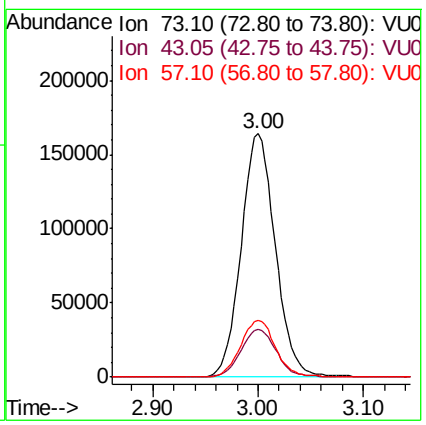


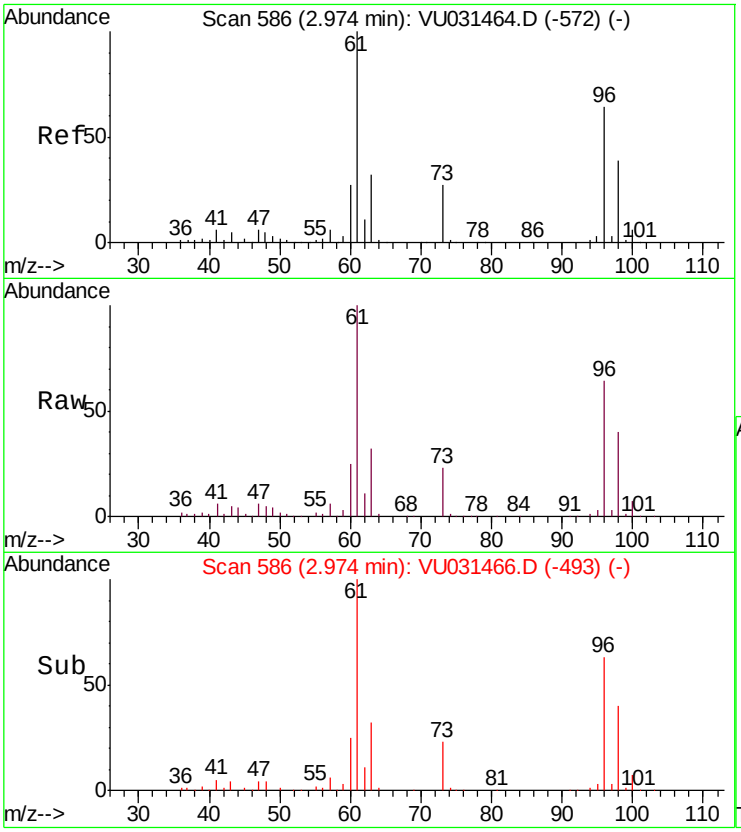


#17
Methyl tert-butyl Ether
Concen: 5.184 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 73 Resp: 369321

Ion	Ratio	Lower	Upper
73	100		
43	19.9	15.4	23.0
57	23.7	19.1	28.7



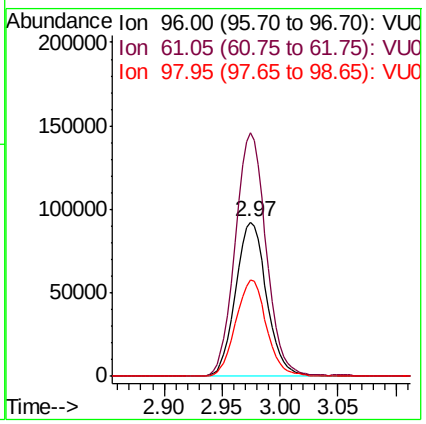


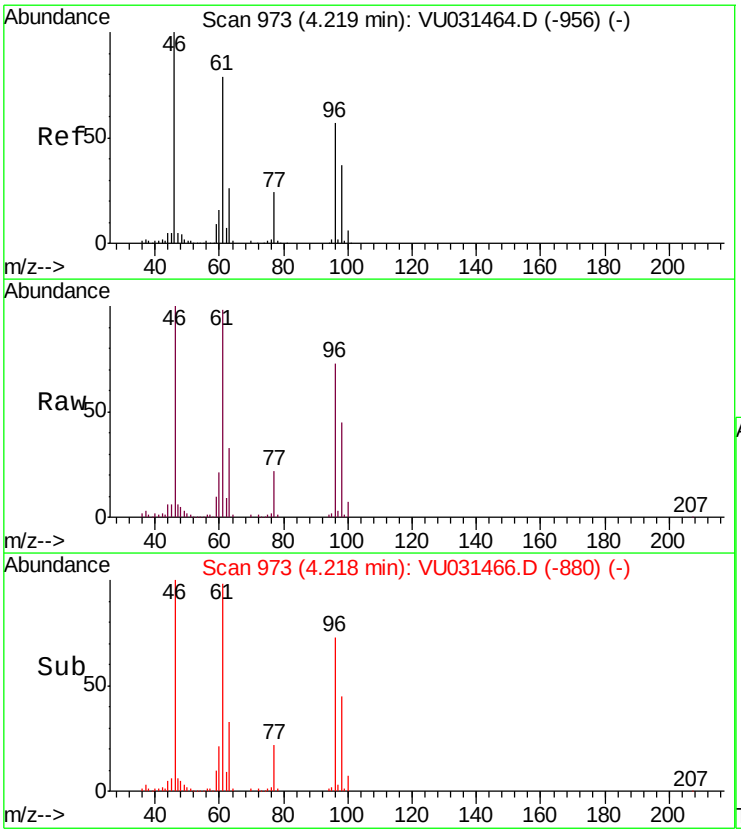
#18
trans-1,2-Dichloroethene
Concen: 6.444 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion: 96 Resp: 171231

Ion	Ratio	Lower	Upper
96	100		
61	157.4	108.4	201.2
98	62.3	45.1	83.9

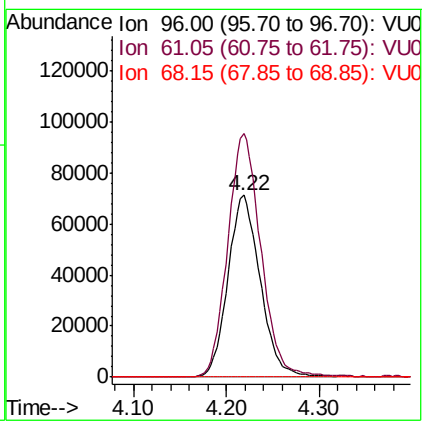


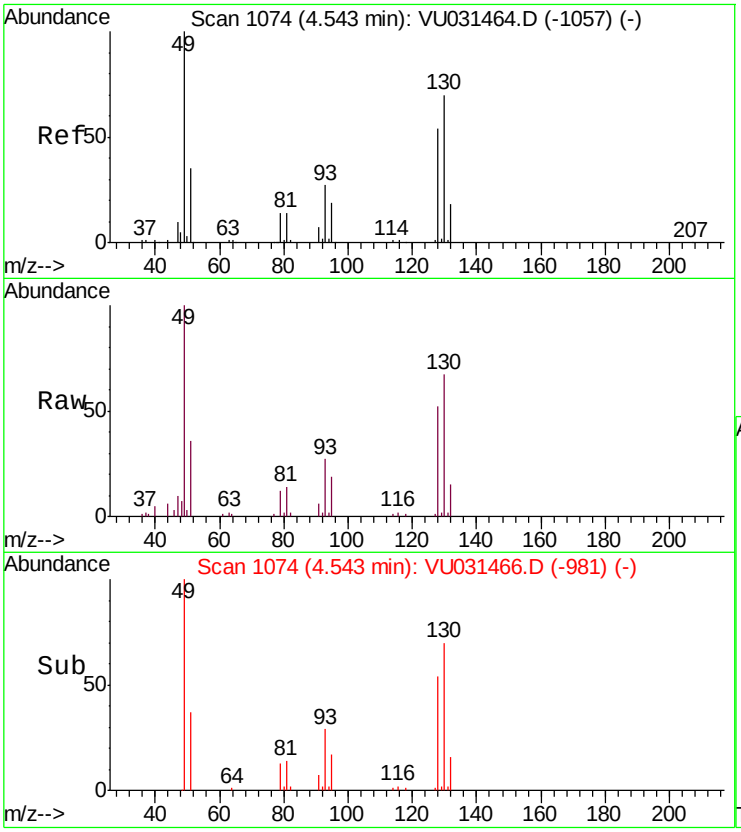


#22
cis-1,2-Dichloroethene
Concen: 6.267 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 96 Resp: 172295

Ion	Ratio	Lower	Upper
96	100		
61	133.7	94.8	176.2
68	0.0	0.0	0.0



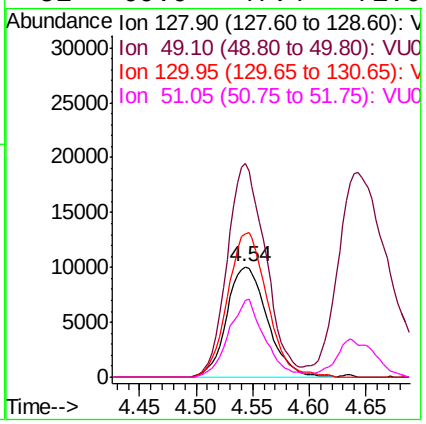


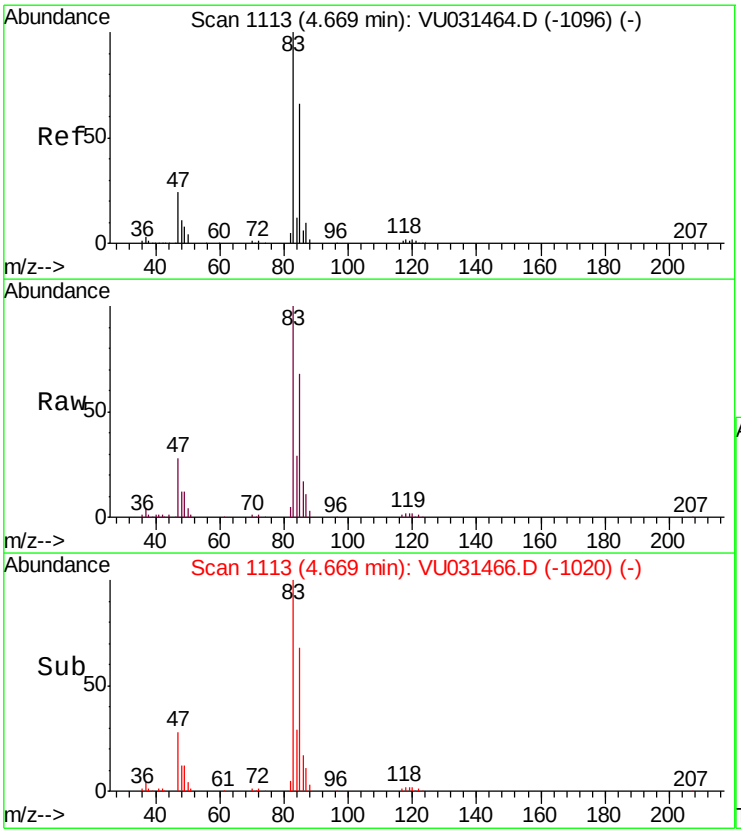
#23
Bromochloromethane
Concen: 2.126 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion:128 Resp: 25137

Ion	Ratio	Lower	Upper
128	100		
49	193.8	128.9	239.3
130	130.5	91.2	169.4
51	69.9	47.4	71.0

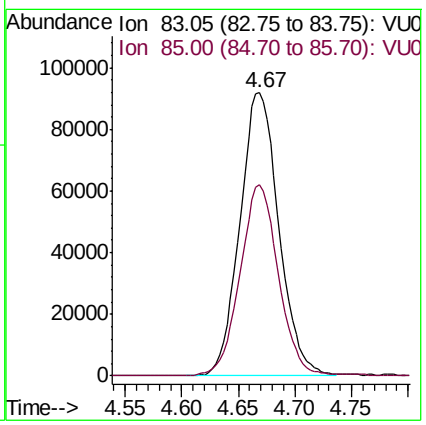


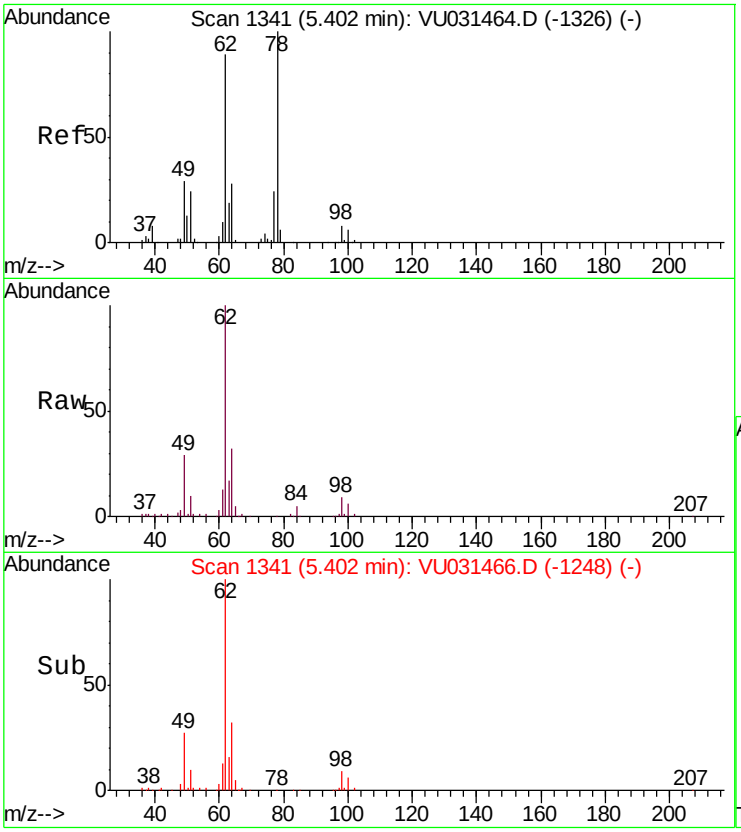


#25
Chloroform
Concen: 4.696 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 83 Resp: 220175

Ion	Ratio	Lower	Upper
83	100		
85	67.5	46.0	85.4



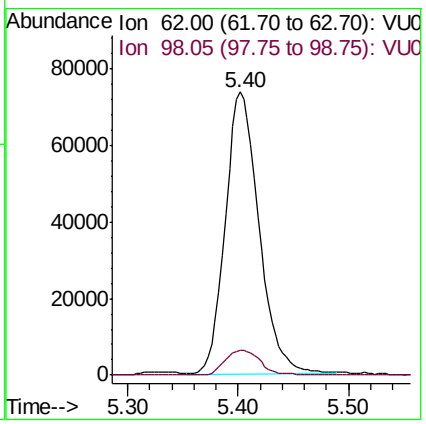


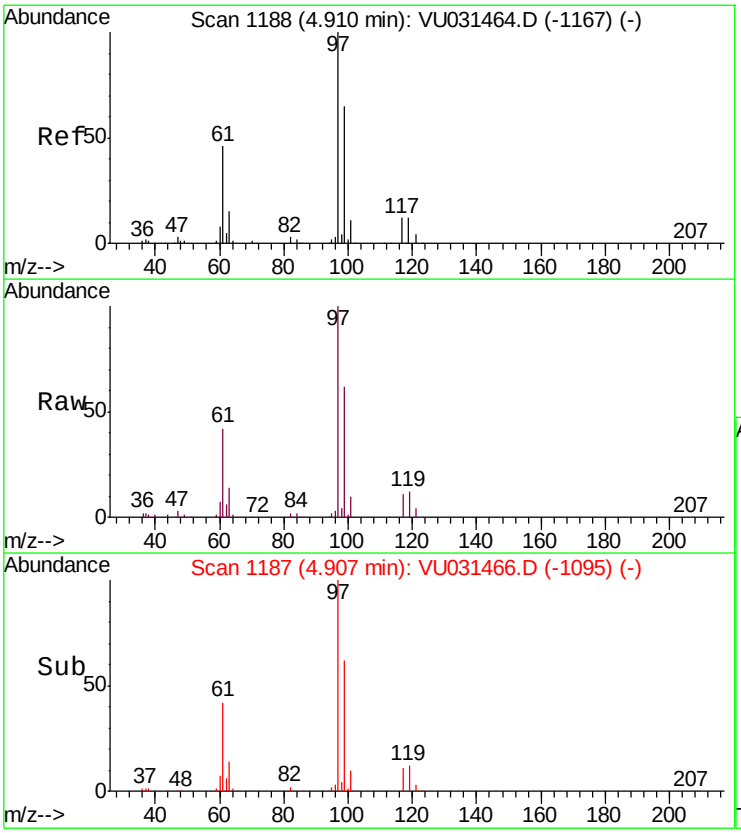
#27
1,2-Dichloroethane
Concen: 5.083 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument : MSVOA_U
ClientSampleId : GAHY8

Tgt Ion: 62 Resp: 156633

Ion	Ratio	Lower	Upper
62	100		
98	8.8	6.5	9.7

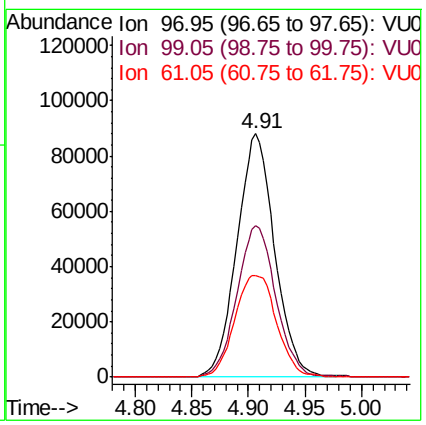


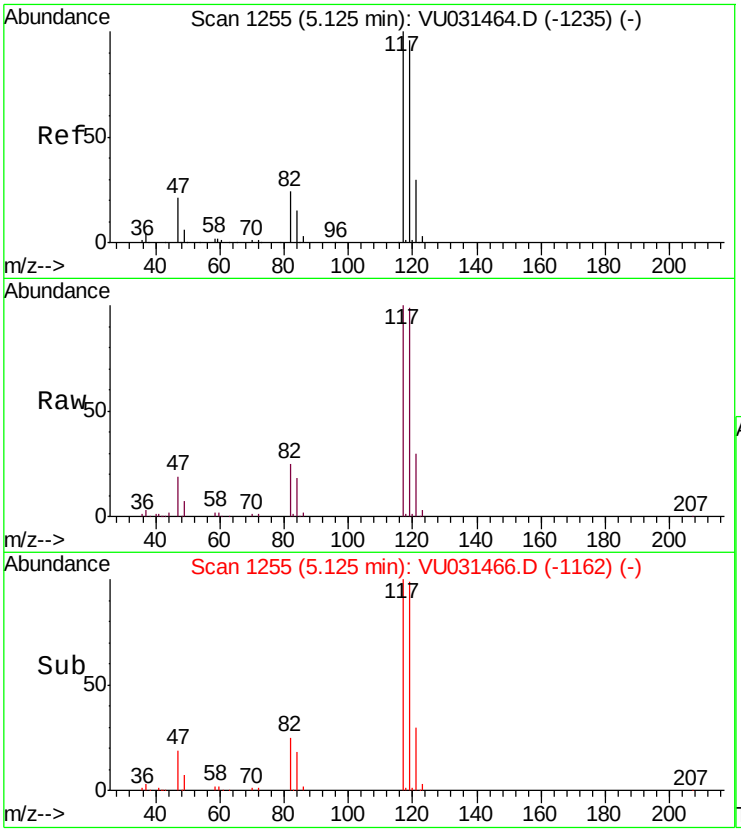


#29
1,1,1-Trichloroethane
Concen: 5.186 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 97 Resp: 204213

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.2	75.2
61	46.5	37.0	55.4



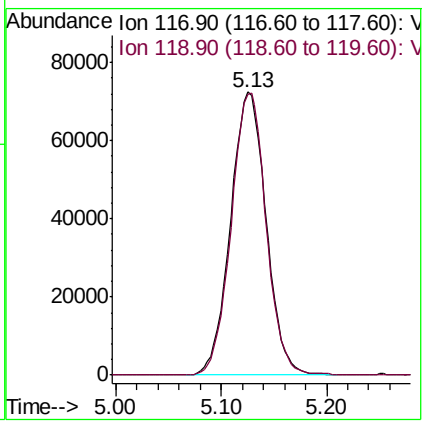


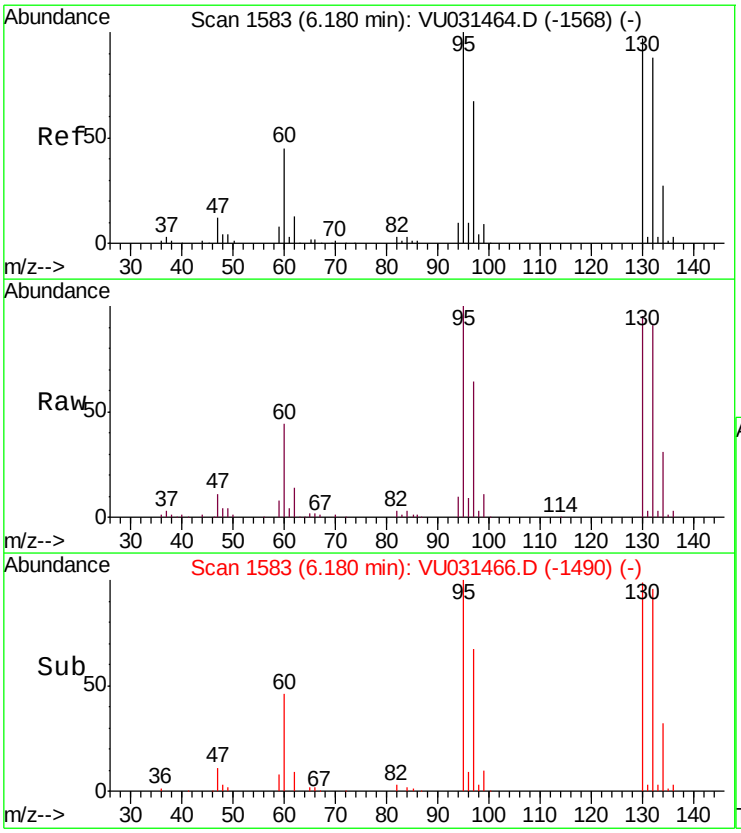
#31
Carbon tetrachloride
Concen: 4.998 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion:117 Resp: 169307

Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.0	114.0

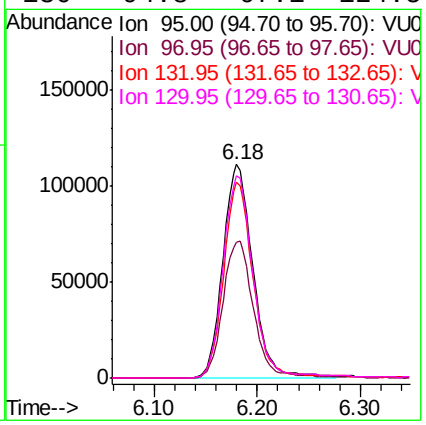


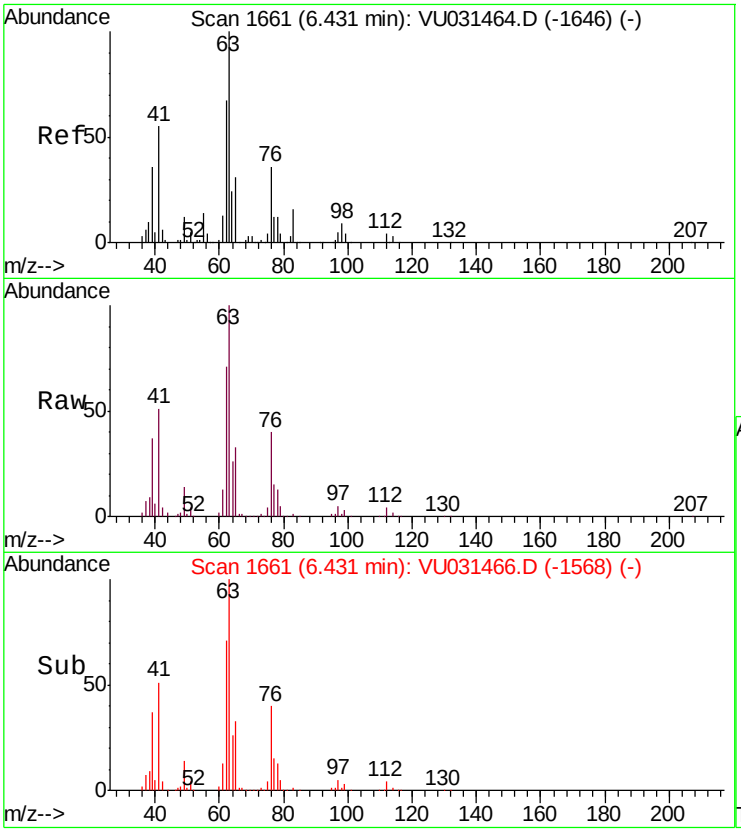


#34
Trichloroethene
Concen: 8.027 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 95 Resp: 225051

Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.3	82.3
132	91.4	59.9	111.3
130	94.8	67.1	124.5



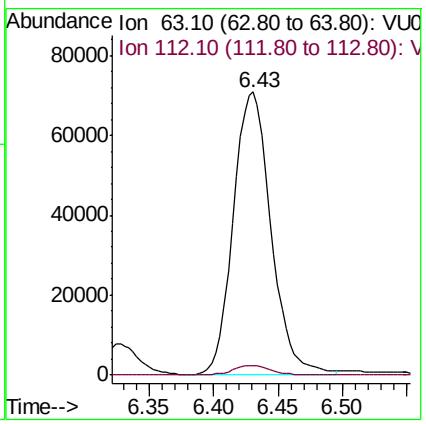


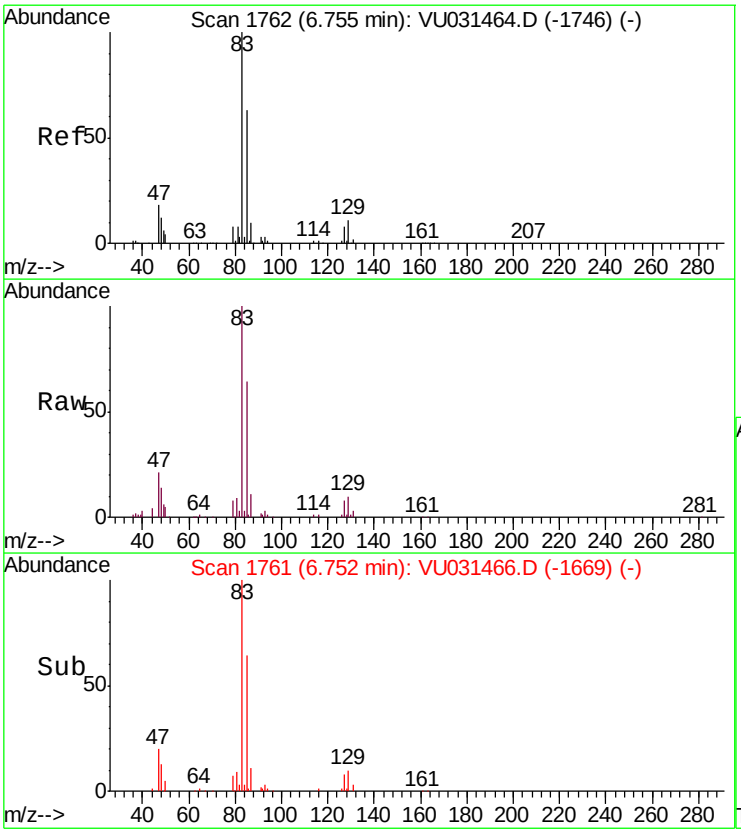
#37
1,2-Dichloropropane
Concen: 5.023 ug/L
RT: 6.43 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument : MSVOA_U
ClientSampleId : GAHY8

Tgt Ion: 63 Resp: 143187

Ion	Ratio	Lower	Upper
63	100		
112	3.4	3.0	4.6

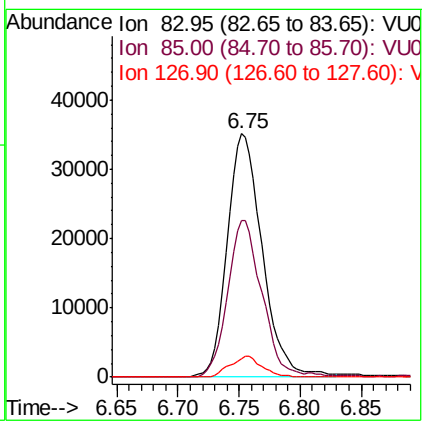


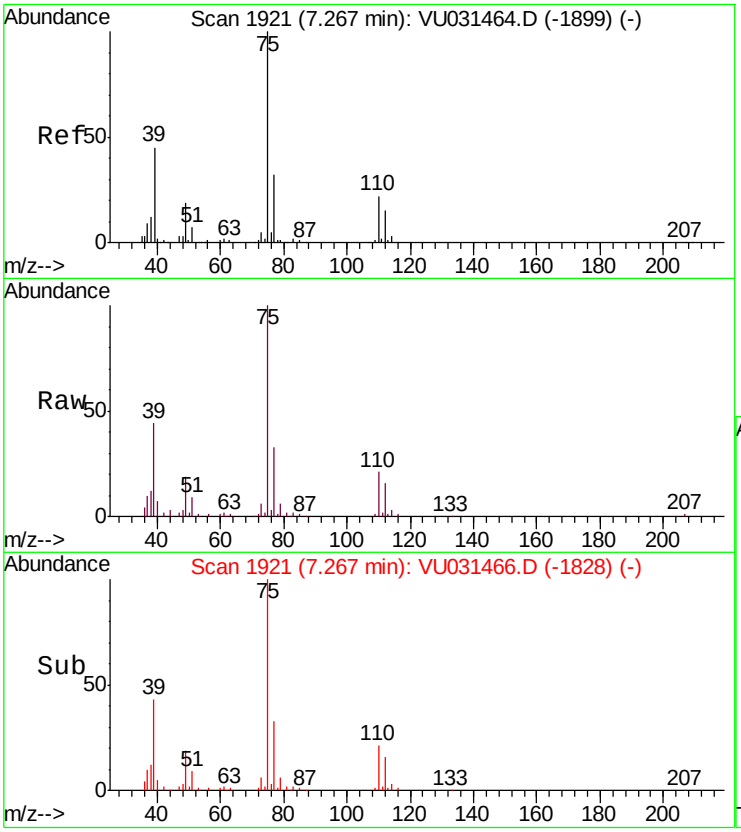


#38
Bromodichloromethane
Concen: 2.109 ug/L
RT: 6.75 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 83 Resp: 70348

Ion	Ratio	Lower	Upper
83	100		
85	64.2	44.8	83.2
127	7.6	6.5	9.7



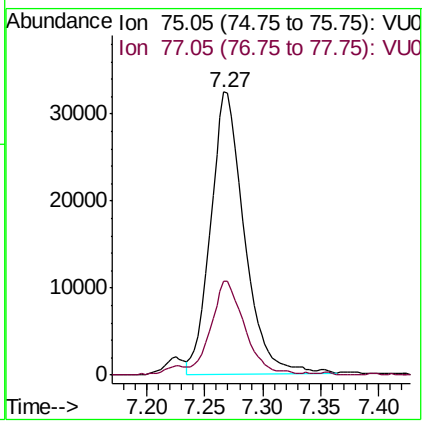


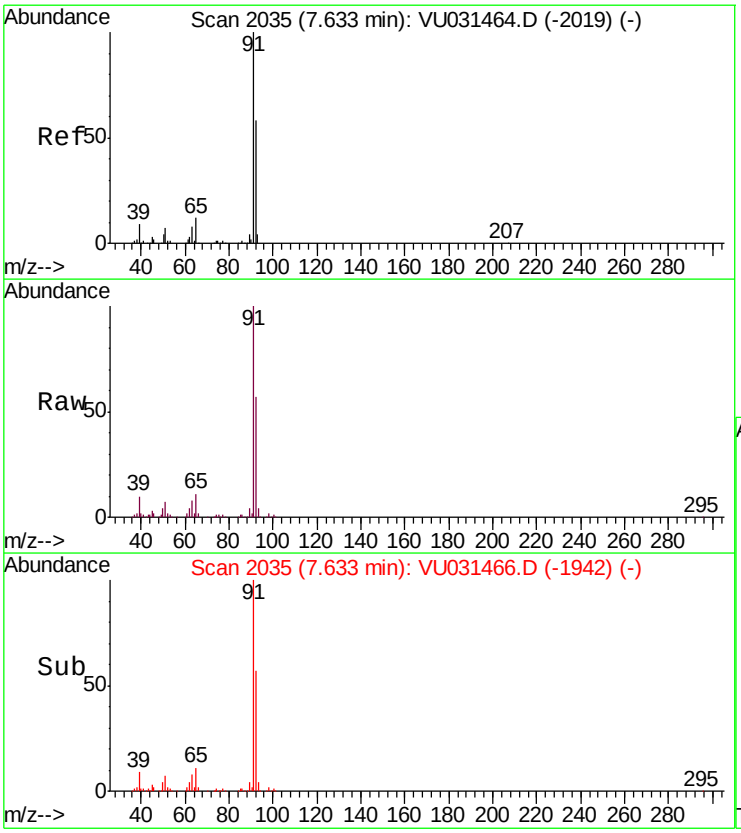
#39
cis-1,3-Dichloropropene
Concen: 1.657 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion: 75 Resp: 65679

Ion	Ratio	Lower	Upper
75	100		
77	33.0	21.9	40.7

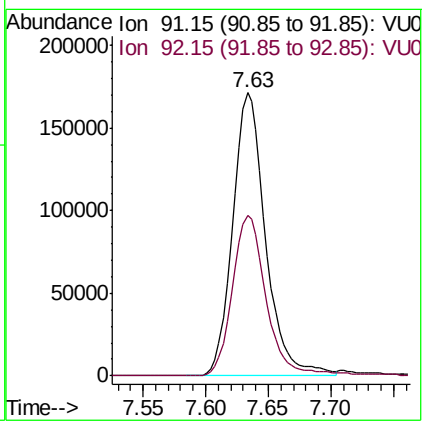


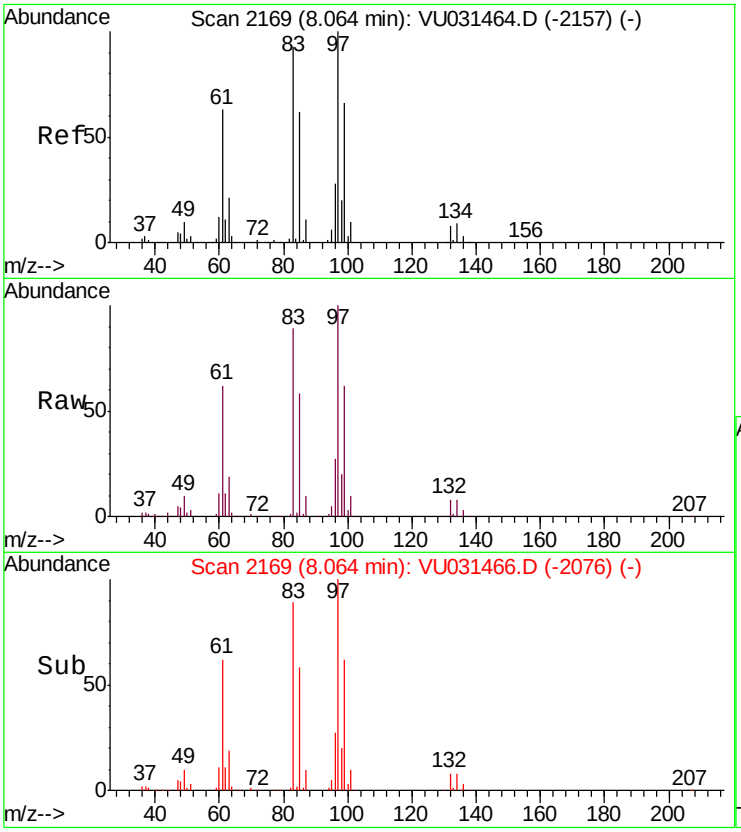


#42
Toluene
Concen: 2.923 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 91 Resp: 312100

Ion	Ratio	Lower	Upper
91	100		
92	56.5	40.7	75.5



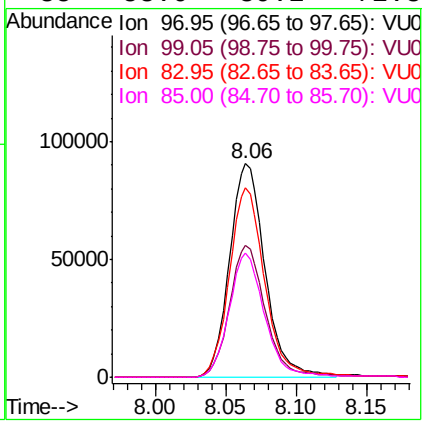


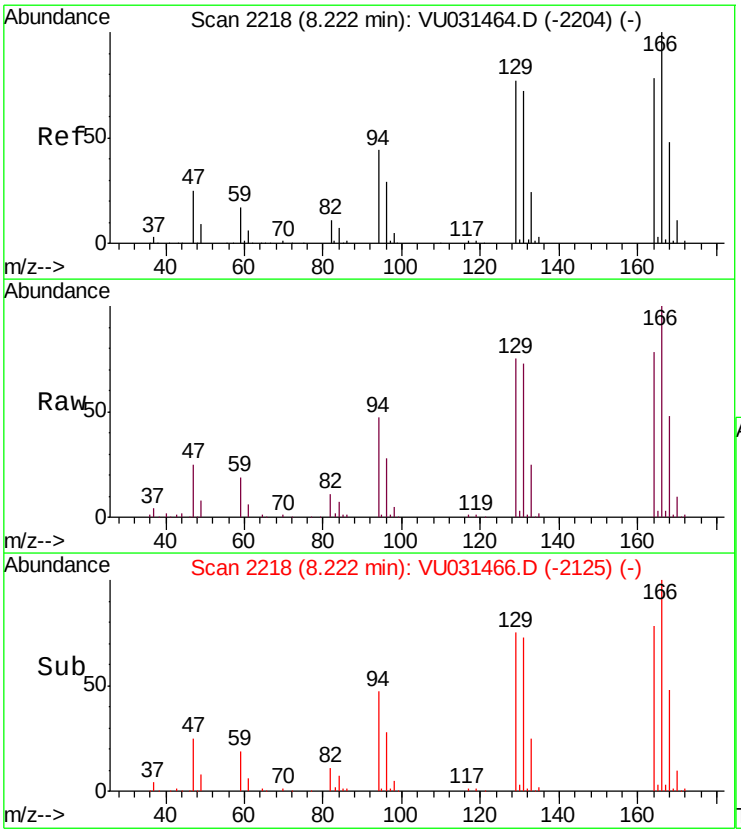
#45
1,1,2-Trichloroethane
Concen: 8.241 ug/L
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion: 97 Resp: 160082

Ion	Ratio	Lower	Upper
97	100		
99	61.9	41.2	76.6
83	88.9	62.2	115.4
85	58.0	39.2	72.8

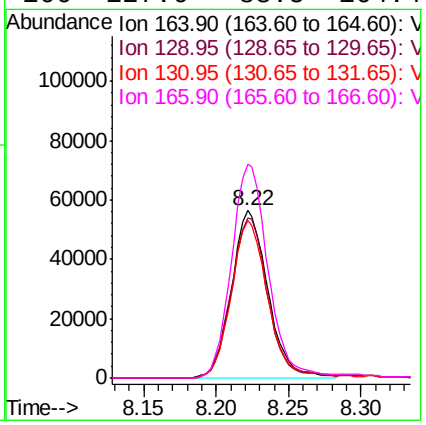


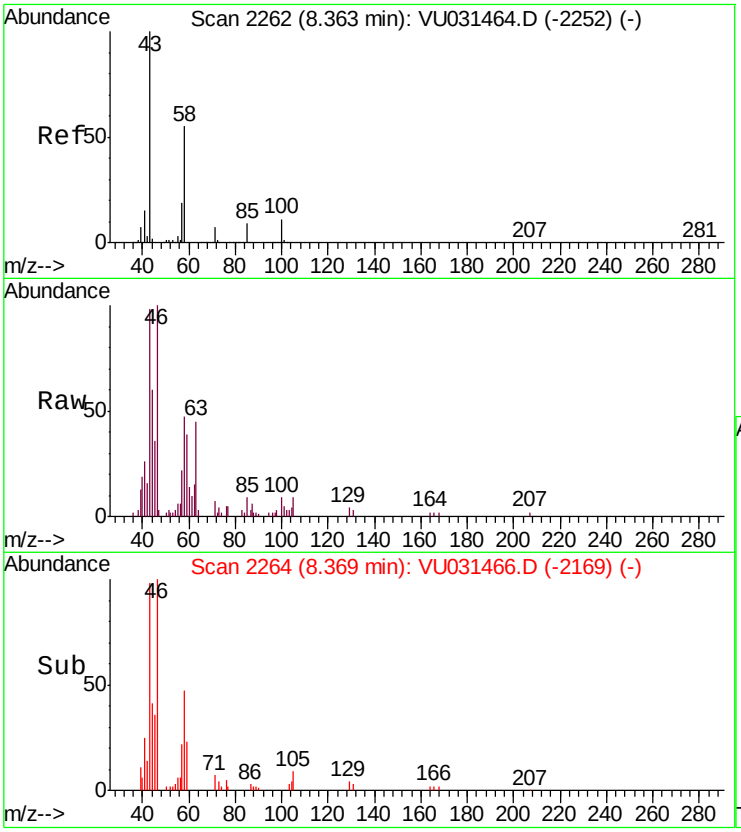


#47
Tetrachloroethene
Concen: 5.020 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion:164 Resp: 98340

Ion	Ratio	Lower	Upper
164	100		
129	95.9	67.5	125.3
131	93.7	64.0	119.0
166	127.6	88.5	164.4



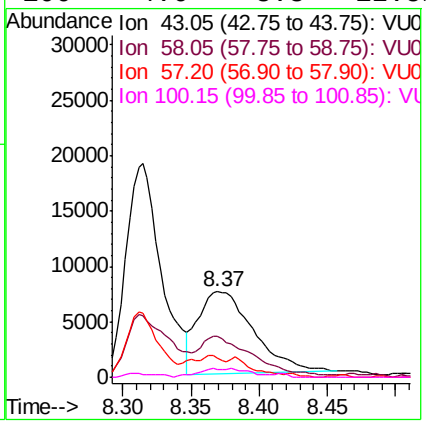


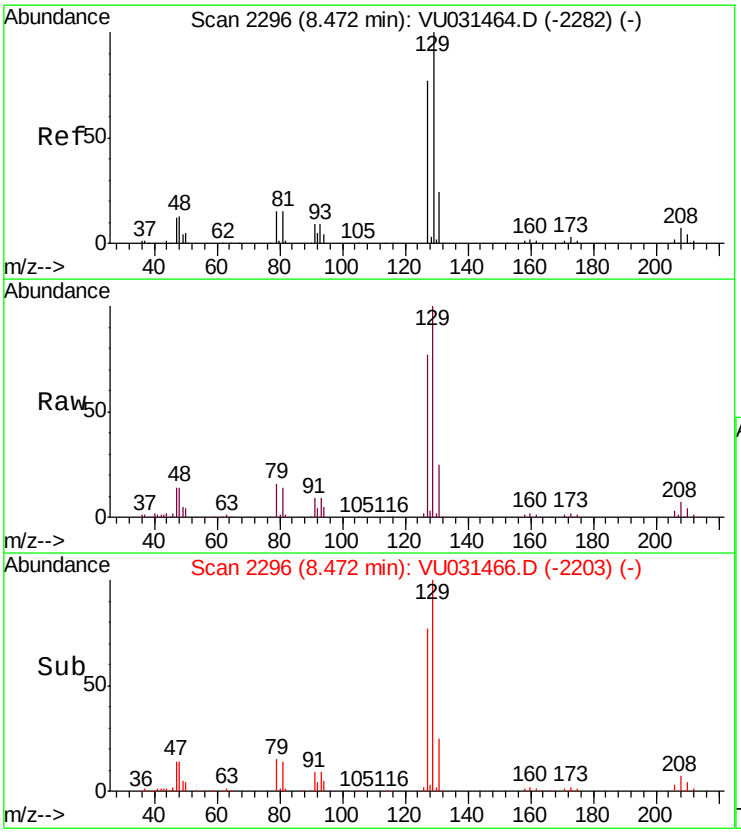
#48
2-Hexanone
Concen: 1.539 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument : MSVOA_U
ClientSampleId : GAHY8

Tgt Ion: 43 Resp: 21055

Ion	Ratio	Lower	Upper
43	100		
58	44.7	44.6	67.0
57	16.2	15.3	22.9
100	4.6	8.3	12.5#

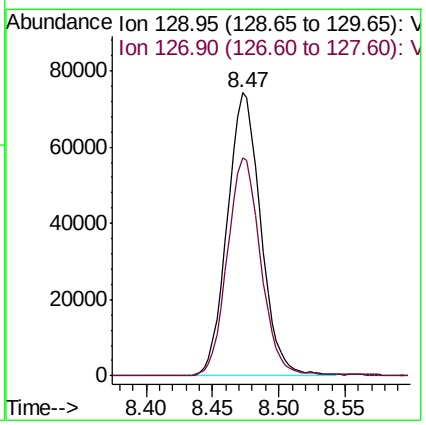


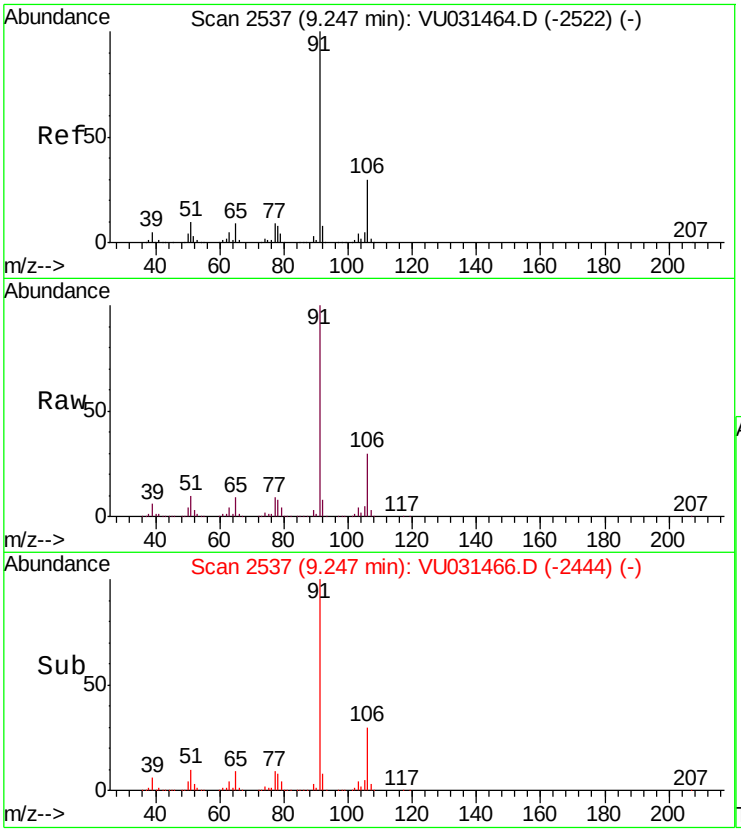


#49
Dibromochloromethane
Concen: 5.966 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion:129 Resp: 129886

Ion	Ratio	Lower	Upper
129	100		
127	77.3	56.6	105.0



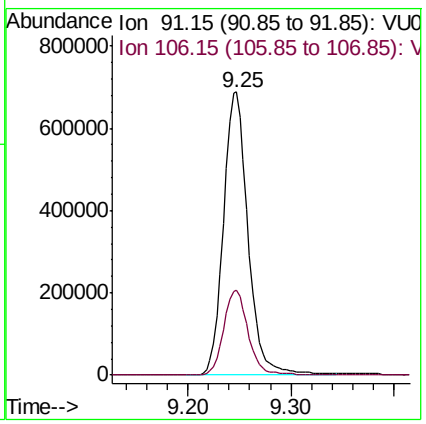


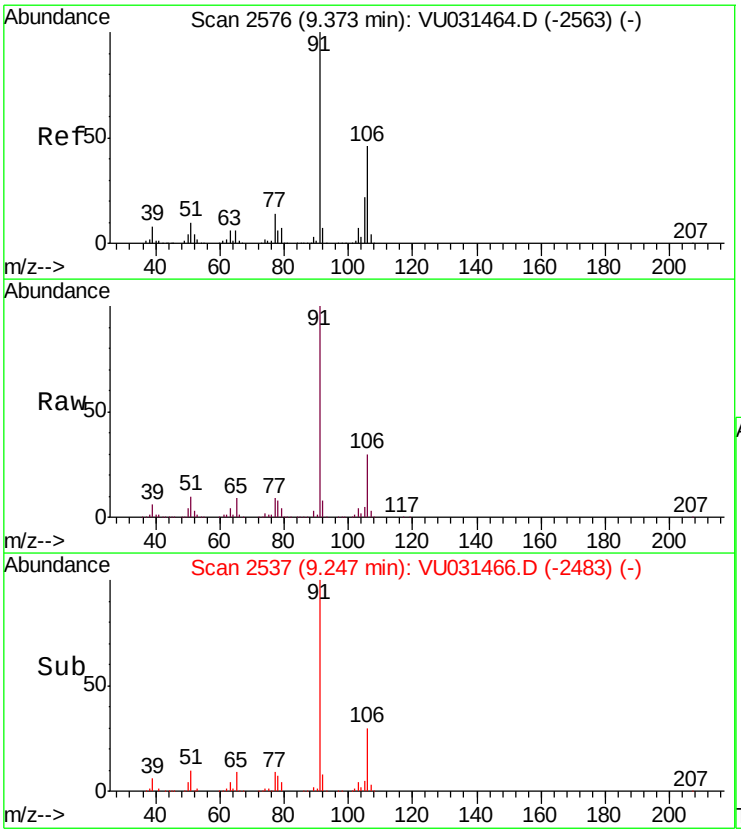
#52
Ethylbenzene
Concen: 10.060 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion: 91 Resp: 1143551

Ion	Ratio	Lower	Upper
91	100		
106	29.9	21.3	39.6

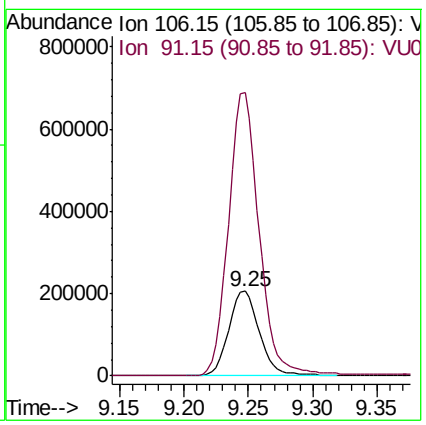


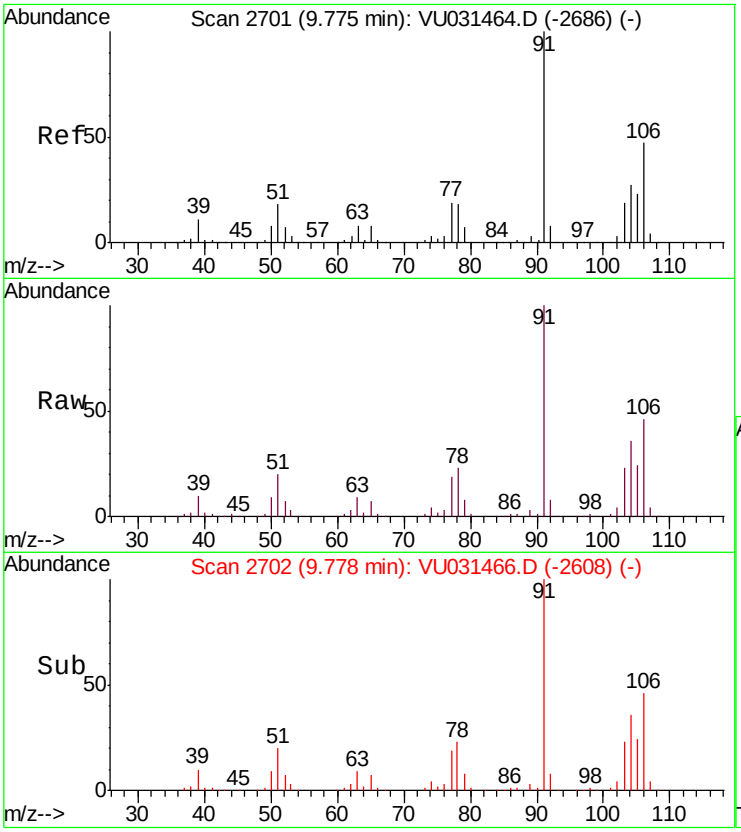


#53
m,p-Xylene
Concen: 8.447 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.13 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion:106 Resp: 341934

Ion	Ratio	Lower	Upper
106	100		
91	334.7	147.8	274.4#



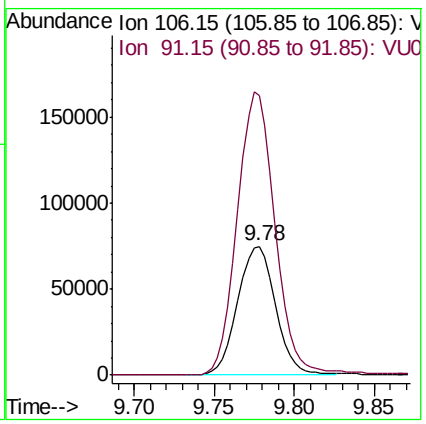


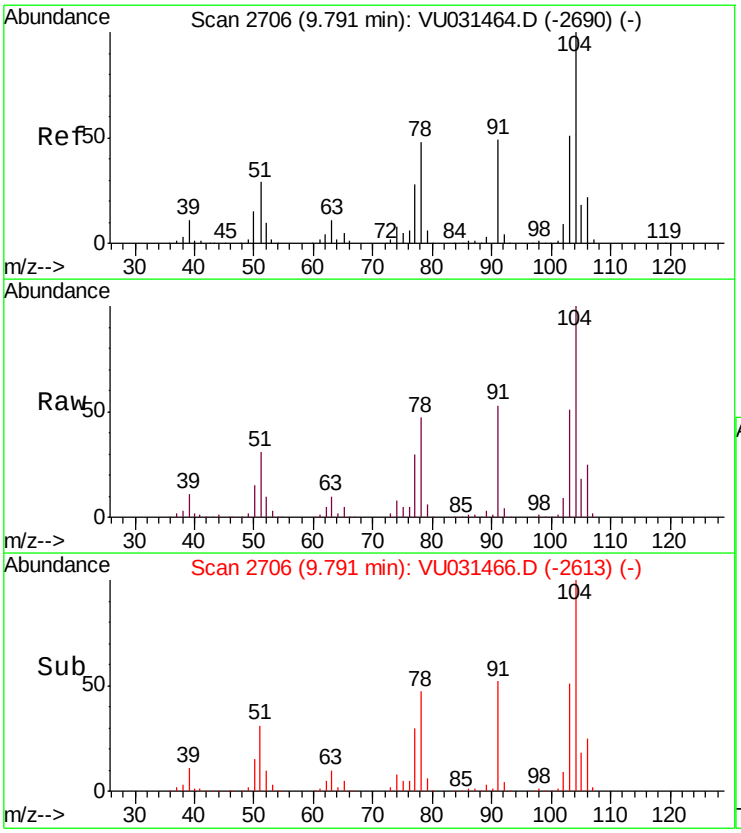
#54
o-Xylene
Concen: 3.036 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion:106 Resp: 121351

Ion	Ratio	Lower	Upper
106	100		
91	216.7	152.7	283.7

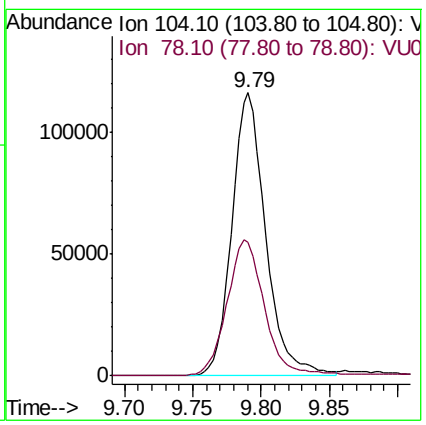


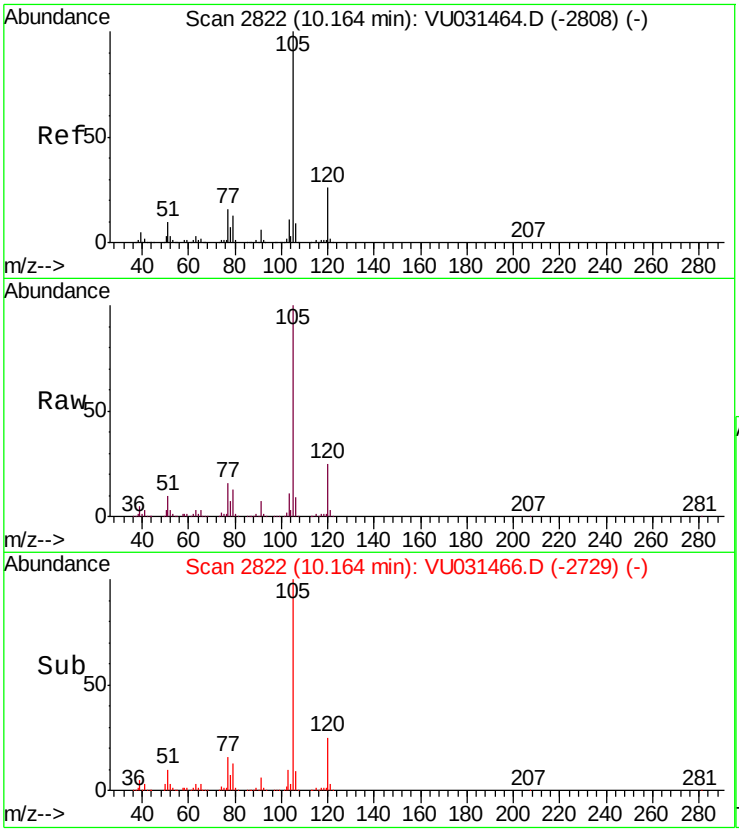


#55
Styrene
Concen: 3.025 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion:104 Resp: 199994

Ion	Ratio	Lower	Upper
104	100		
78	47.1	32.1	59.5



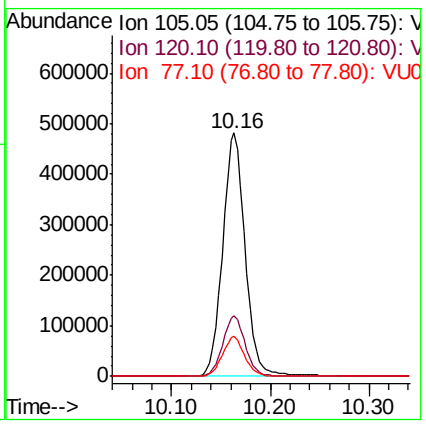


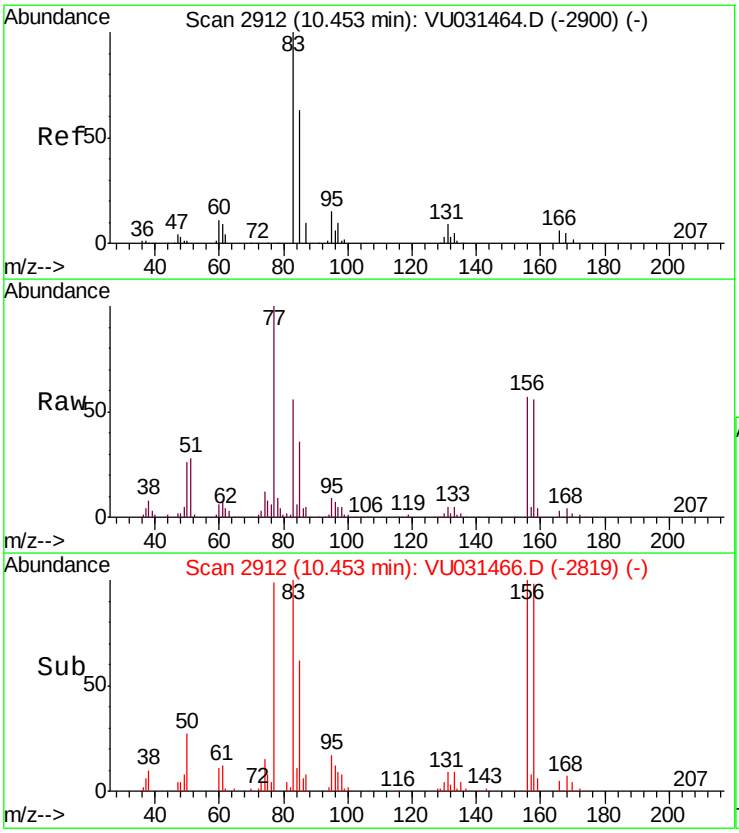
#56
Isopropylbenzene
Concen: 7.300 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion:105 Resp: 770925

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.8	31.2
77	16.3	13.2	19.8

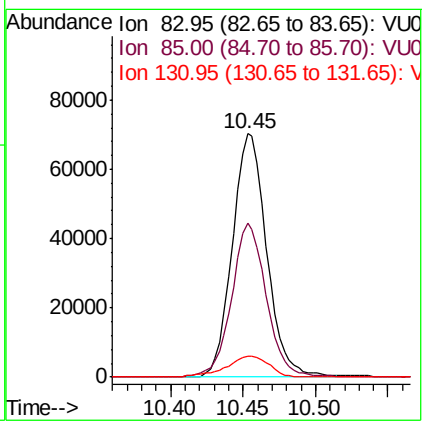


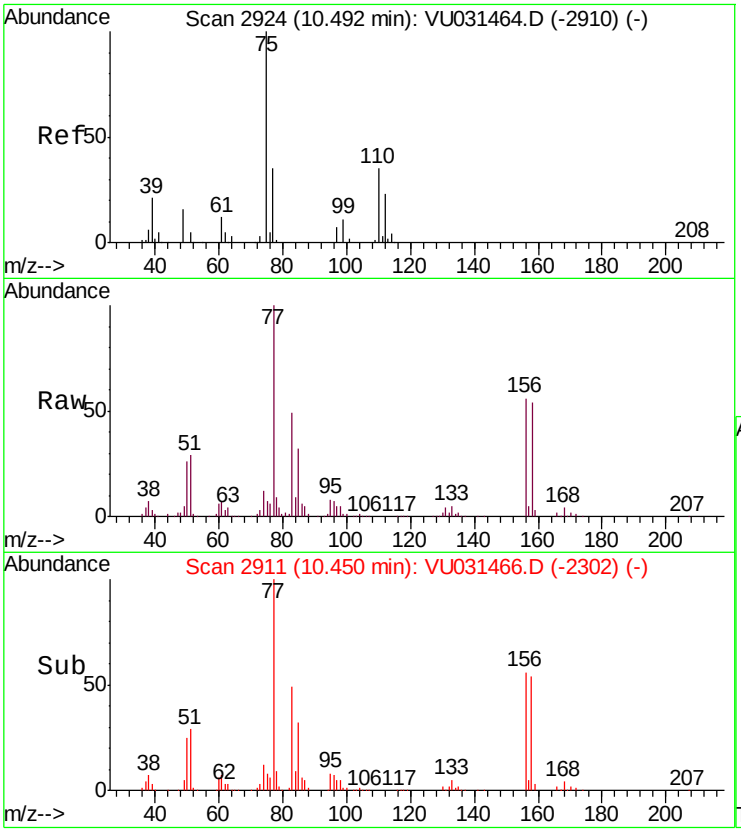


#58
1,1,2,2-Tetrachloroethane
Concen: 4.667 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion: 83 Resp: 115364

Ion	Ratio	Lower	Upper
83	100		
85	63.2	42.8	79.4
131	8.8	7.0	10.4



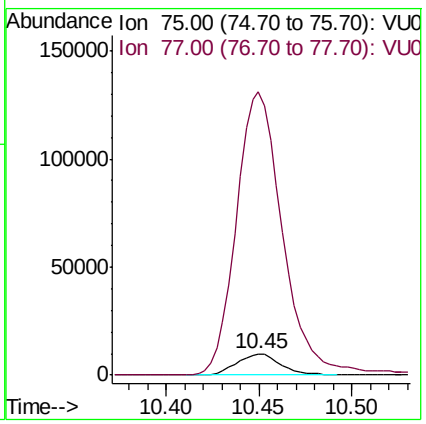


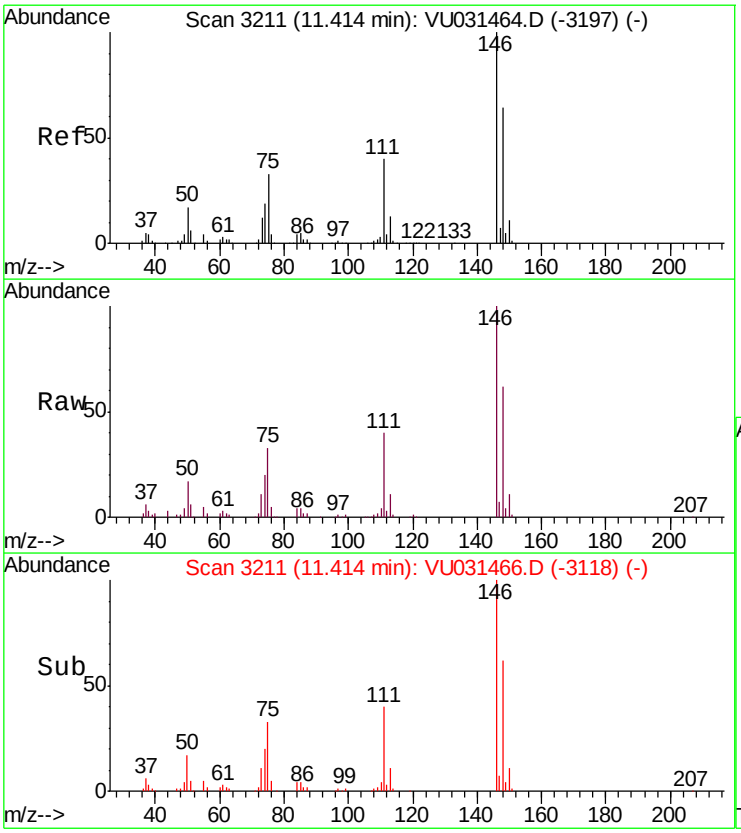
#59
1,2,3-Trichloropropane
Concen: 0.910 ug/L
RT: 10.45 min Scan# 2911
Delta R.T. -0.04 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion: 75 Resp: 16341

Ion	Ratio	Lower	Upper
75	100		
77	1395.1	25.7	38.5#

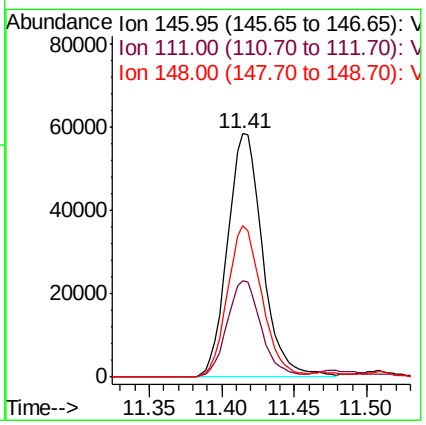


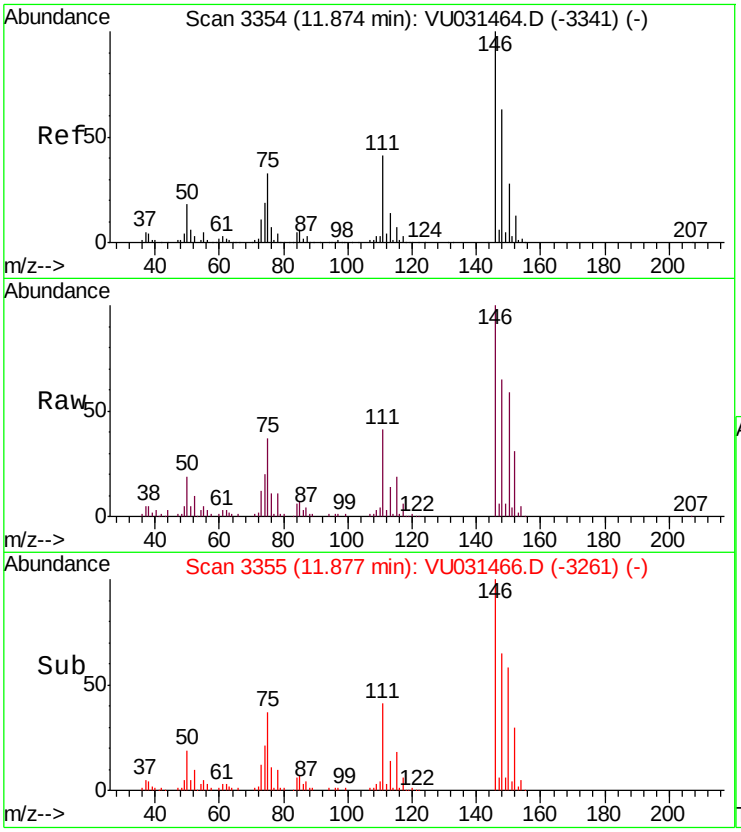


#62
1,3-Dichlorobenzene
Concen: 2.162 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Tgt Ion:146 Resp: 98287

Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.5	52.9
148	62.1	43.8	81.4





#65
1,2-Dichlorobenzene
Concen: 2.070 ug/L
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU031466.D
Acq: 24 Apr 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
GAHY8

Tgt Ion:146 Resp: 93329

Ion	Ratio	Lower	Upper
146	100		
111	40.7	34.0	51.0
148	65.3	50.9	76.3