Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050819\

Quantitation Report (Not Reviewed)

Data File : VU031870.D
Acq On : 09 May 2019 12:30
Operator : JC/SP
Sample : K2739-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB846

Quant Time: May 10 03:40:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 10 03:36:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	396002	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	409695	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192066	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	116855	4.33	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 86.60%			
7) Chloroethane-d5	1.68	69	103173	4.63	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 92.60%			
11) 1,1-Dichloroethene-d2	2.27	63	276896	4.76	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 95.20%			
20) 2-Butanone-d5	4.20	46	516256	48.99	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 97.98%			
24) Chloroform-d	4.64	84	264957	4.79	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.80%			
26) 1,2-Dichloroethane-d4	5.31	65	144088	4.29	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 85.80%			
32) Benzene-d6	5.33	84	467920	4.46	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.20%			
36) 1,2-Dichloropropane-d6	6.33	67	174456	4.53	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 90.60%			
41) Toluene-d8	7.56	98	354117	3.95	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 79.00%			
43) trans-1,3-Dichloropropene-	7.85	79	54666	4.04	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 80.80%			
46) 2-Hexanone-d5	8.31	63	351696	51.45	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 102.90%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	148104	4.93	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 98.60%			
64) 1,2-Dichlorobenzene-d4	11.85	152	142987	4.50	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 90.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	91753	2.013	ug/L	99
3) Chloromethane	1.32	50	332421	6.118	ug/L	99
5) Vinyl chloride	1.40	62	233638	4.919	ug/L	100
6) Bromomethane	1.63	94	118638	5.442	ug/L	100
8) Chloroethane	1.70	64	122477	4.683	ug/L	99
9) Trichlorofluoromethane	1.88	101	493143	8.978	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	132792	4.645	ug/L	96
12) 1,1-Dichloroethene	2.28	96	170169	6.322	ug/L	85
16) Methylene chloride	2.70	84	119038	3.187	ug/L	94
17) Methyl tert-butyl Ether	3.00	73	443844	5.535	ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	206182	7.107	ug/L	89
22) cis-1,2-Dichloroethene	4.22	96	227145	6.519	ug/L	91
23) Bromochloromethane	4.54	128	32605	2.332	ug/L	81
25) Chloroform	4.67	83	309125	4.402	ug/L	98
27) 1,2-Dichloroethane	5.40	62	218408	4.712	ug/L #	94
29) 1,1,1-Trichloroethane	4.91	97	275961	4.915	ug/L	98
31) Carbon tetrachloride	5.13	117	233172	4.877	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050819\

Quantitation Report (Not Reviewed)

Data File : VU031870.D
Acq On : 09 May 2019 12:30
Operator : JC/SP
Sample : K2739-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB846

Quant Time: May 10 03:40:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 10 03:36:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Trichloroethene	6.18	95	295948	8.217	ug/L		95
35) Methylcyclohexane	6.33	83	38057	0.736	ug/L	#	11
37) 1,2-Dichloropropane	6.43	63	200181	4.896	ug/L		99
38) Bromodichloromethane	6.76	83	97517	2.003	ug/L		93
39) cis-1,3-Dichloropropene	7.27	75	88209	1.722	ug/L		98
42) Toluene	7.63	91	415550	2.946	ug/L		98
45) 1,1,2-Trichloroethane	8.06	97	212023	8.753	ug/L		98
47) Tetrachloroethene	8.22	164	123587	5.277	ug/L		96
49) Dibromochloromethane	8.47	129	166317	5.904	ug/L		99
52) Ethylbenzene	9.24	91	1586484	10.782	ug/L		99
53) m,p-Xylene	9.24	106	459484	8.773	ug/L	#	18
54) o-Xylene	9.77	106	153424	3.063	ug/L		96
55) Styrene	9.79	104	269479	3.135	ug/L		95
56) Isopropylbenzene	10.16	105	1036953	7.733	ug/L		98
58) 1,1,2,2-Tetrachloroethane	10.45	83	163106	5.042	ug/L		99
59) 1,2,3-Trichloropropane	11.48	75	27919	1.154	ug/L		94
62) 1,3-Dichlorobenzene	11.41	146	129667	2.126	ug/L		98
63) 1,4-Dichlorobenzene	11.41	146	129667	2.096	ug/L		99
65) 1,2-Dichlorobenzene	11.87	146	124186	2.087	ug/L		97

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

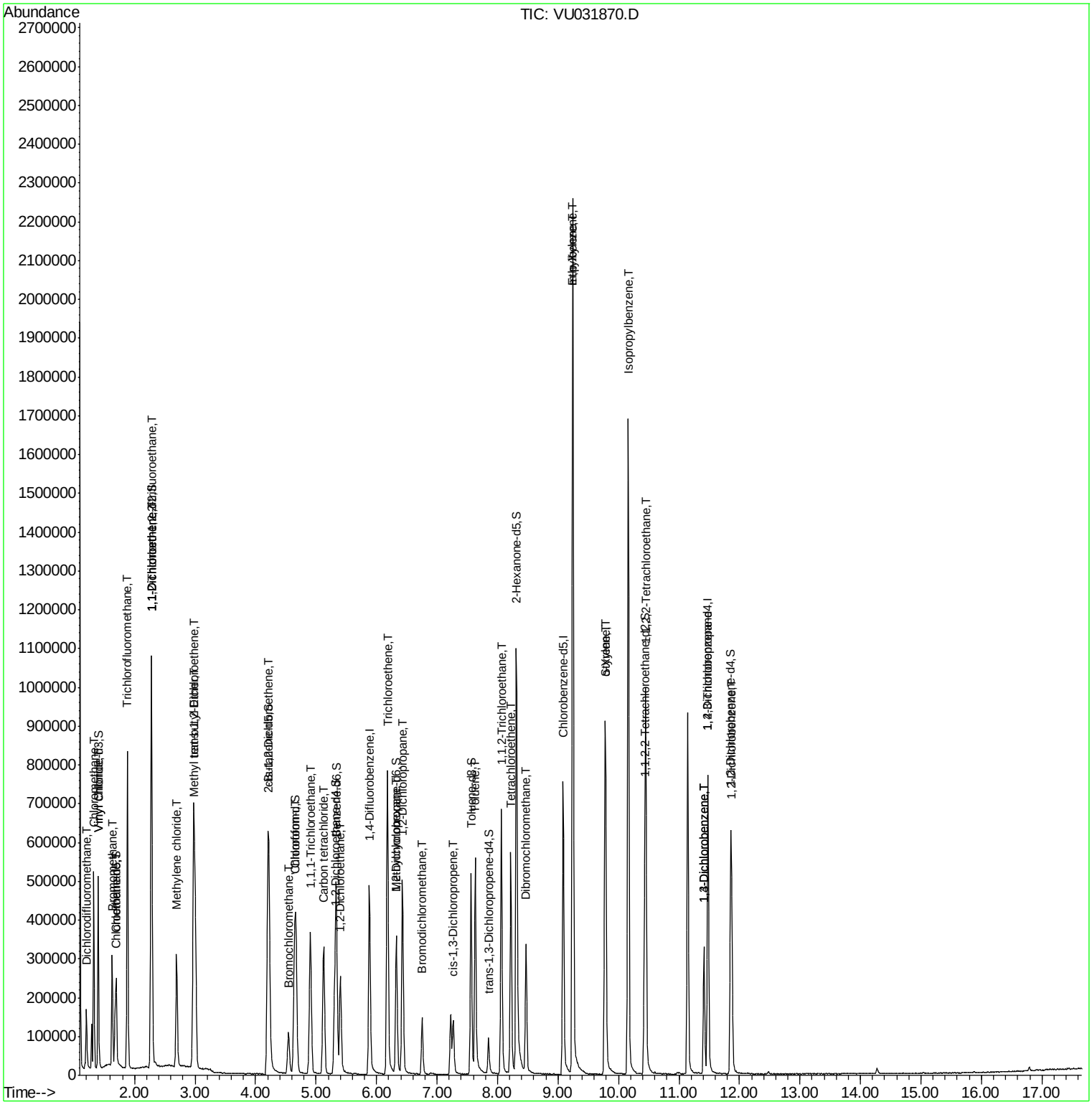
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050819\

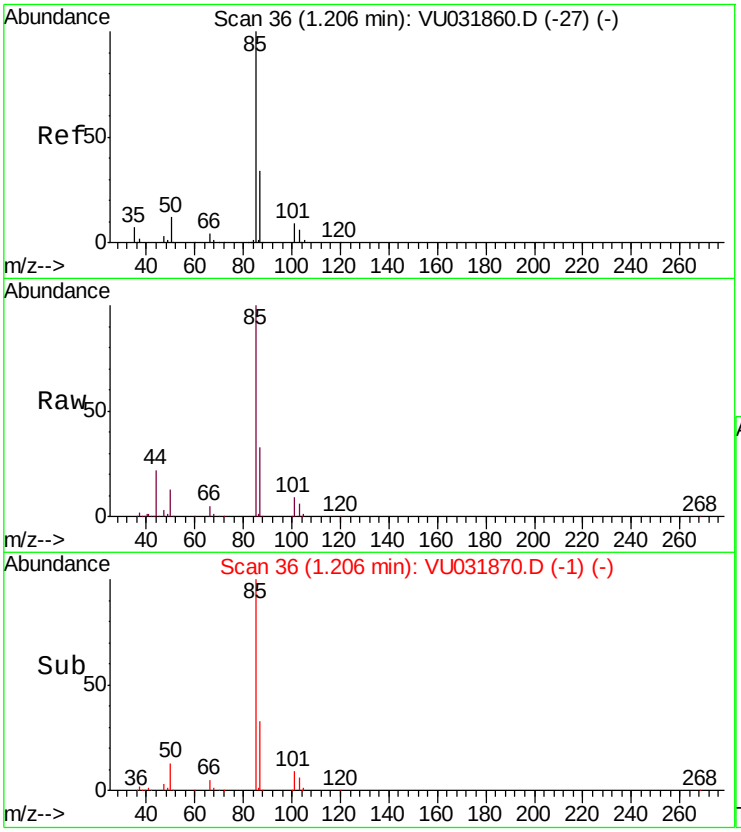
Quantitation Report (Not Reviewed)

Data File : VU031870.D
Acq On : 09 May 2019 12:30
Operator : JC/SP
Sample : K2739-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB846

Quant Time: May 10 03:40:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 10 03:36:08 2019
Response via : Initial Calibration



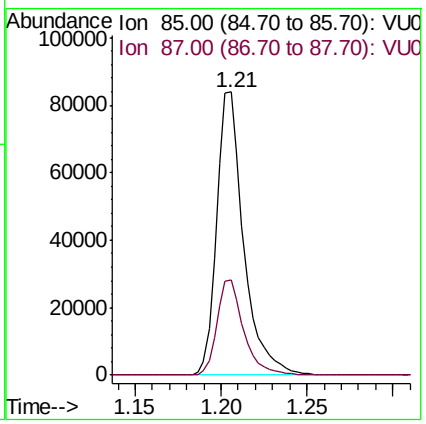


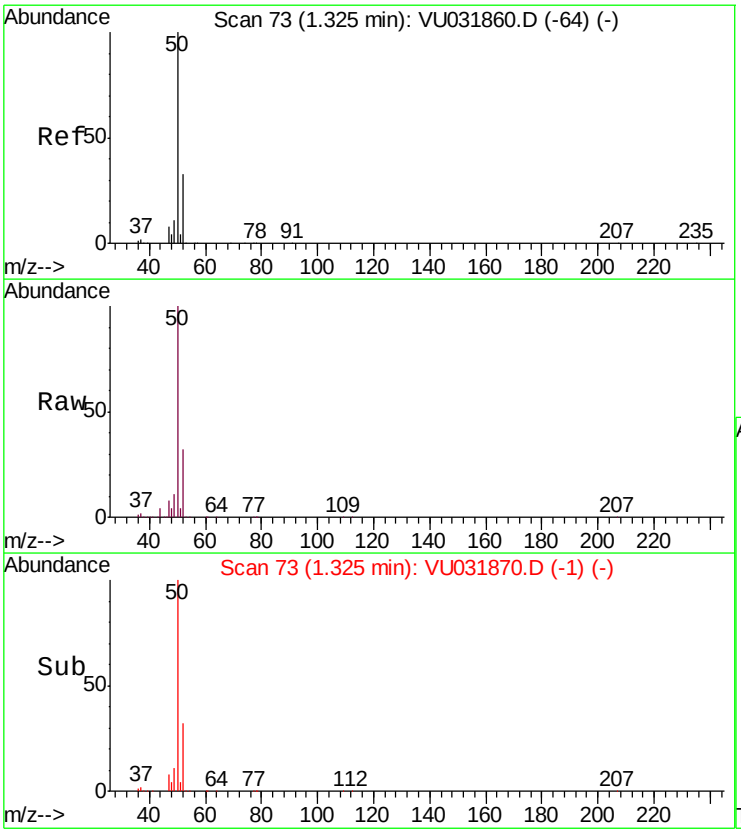
#2
Dichlorodifluoromethane
Concen: 2.013 ug/L
RT: 1.21 min Scan# 36
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument :
MSVOA_U
ClientSampleId :
DB846

Tgt Ion: 85 Resp: 91753

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.2	39.4

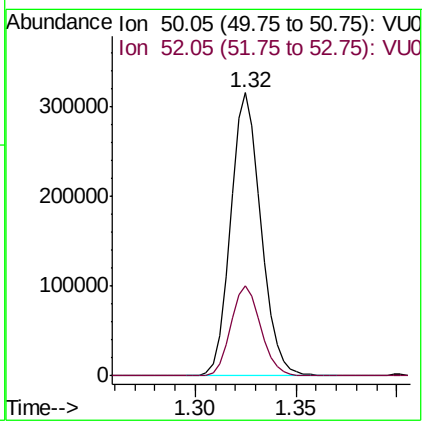


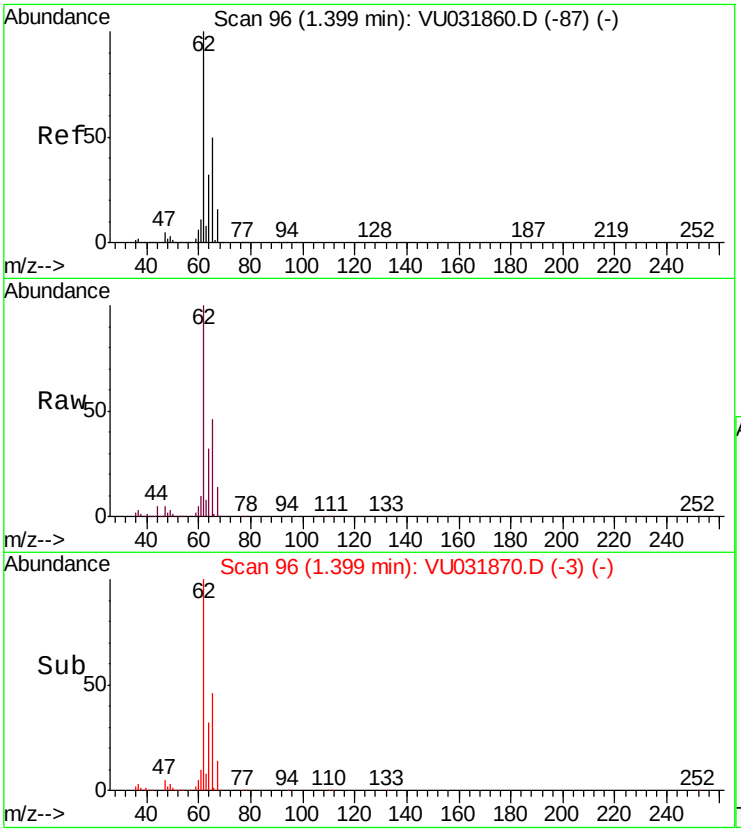


#3
Chloromethane
Concen: 6.118 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 50 Resp: 332421

Ion	Ratio	Lower	Upper
50	100		
52	31.7	22.5	41.7



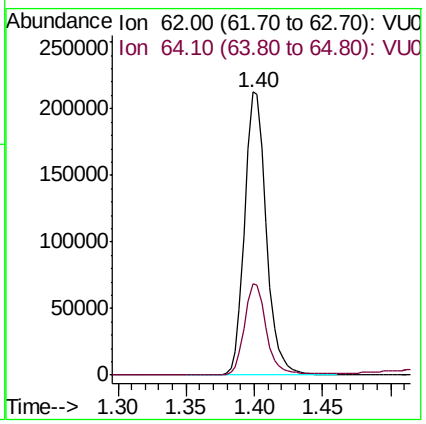


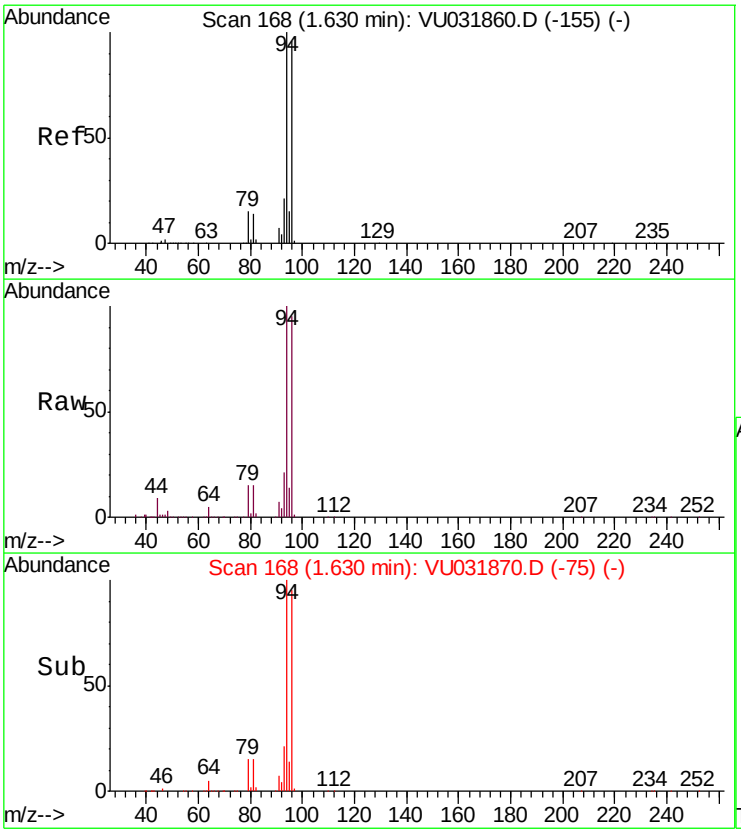
#5
Vinyl chloride
Concen: 4.919 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument :
MSVOA_U
ClientSampleId :
DB846

Tgt Ion: 62 Resp: 233638

Ion	Ratio	Lower	Upper
62	100		
64	32.2	22.5	41.9

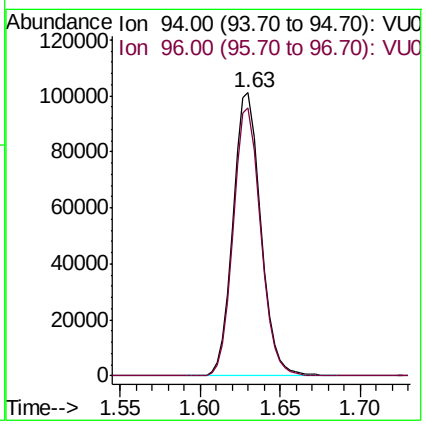


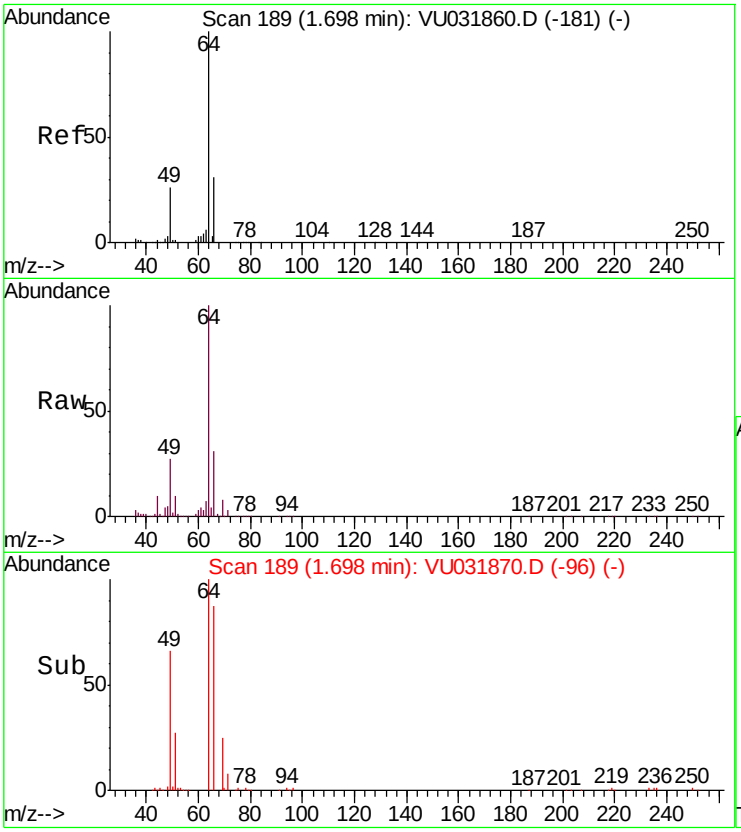


#6
Bromomethane
Concen: 5.442 ug/L
RT: 1.63 min Scan# 168
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 94 Resp: 118638

Ion	Ratio	Lower	Upper
94	100		
96	94.8	66.1	122.8



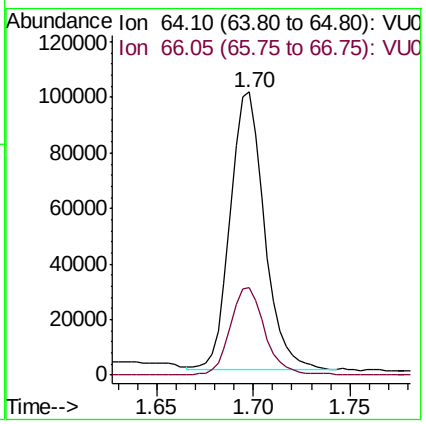


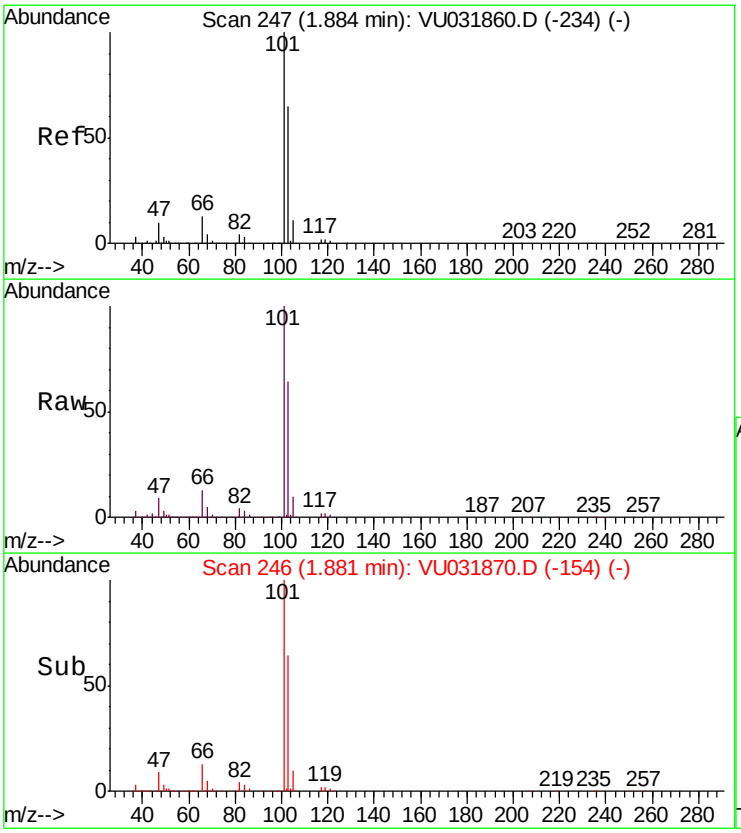
#8
Chloroethane
Concen: 4.683 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument :
MSVOA_U
ClientSampleId :
DB846

Tgt Ion: 64 Resp: 122477

Ion	Ratio	Lower	Upper
64	100		
66	30.7	21.9	40.7

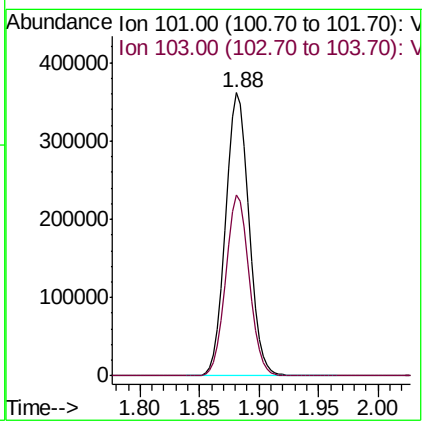


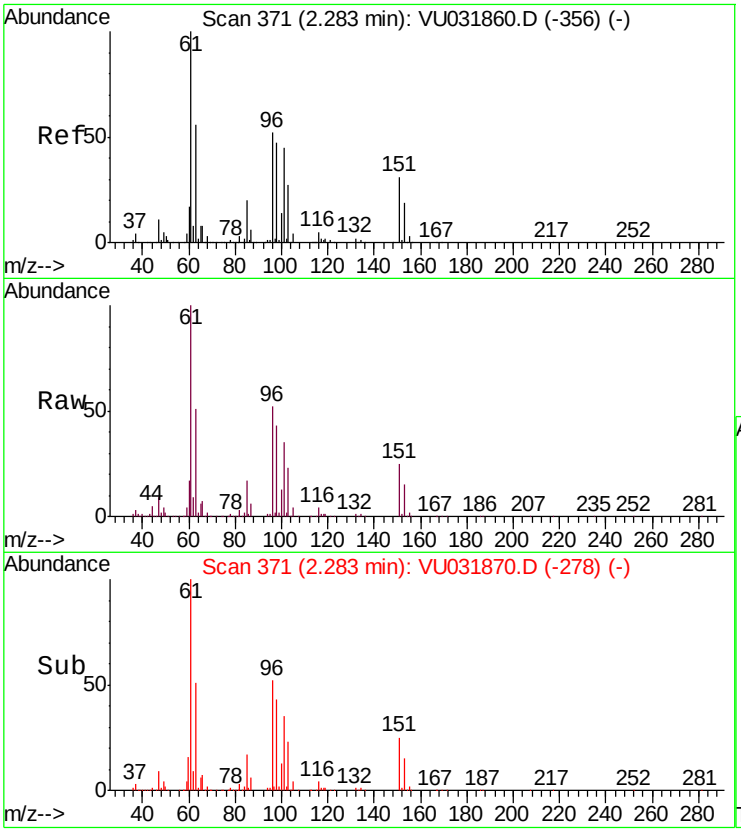


#9
Trichlorofluoromethane
Concen: 8.978 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion:101 Resp: 493143

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1



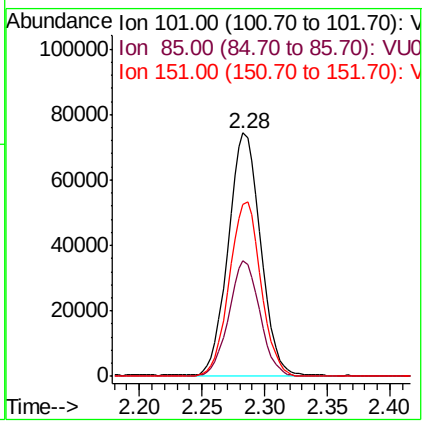


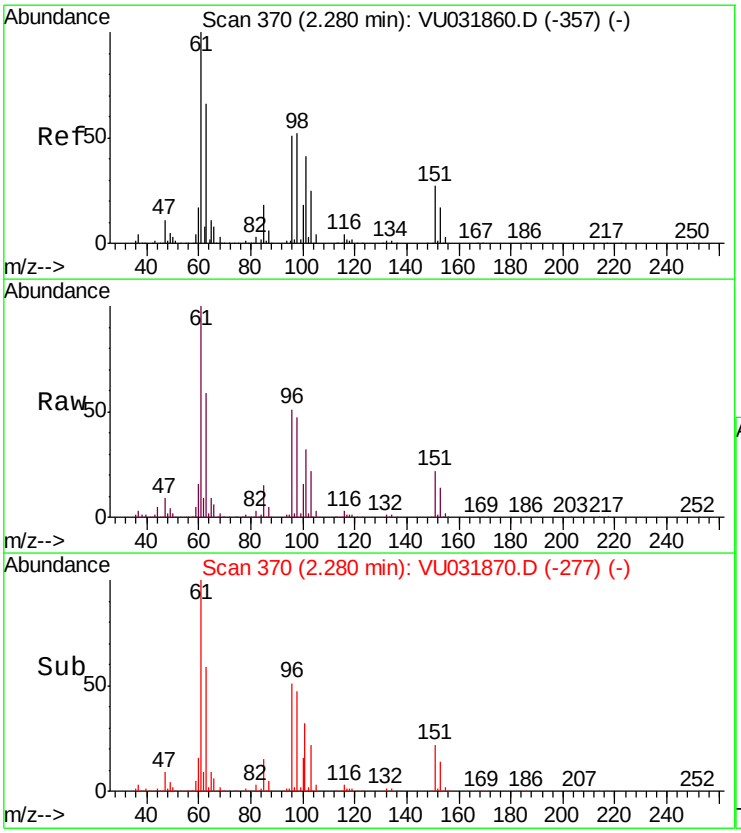
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.645 ug/L
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument :
MSVOA_U
ClientSampleId :
DB846

Tgt Ion:101 Resp: 132792

Ion	Ratio	Lower	Upper
101	100		
85	45.7	40.0	60.0
151	70.1	54.6	82.0

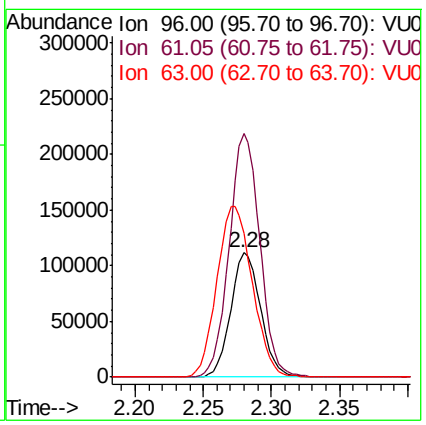


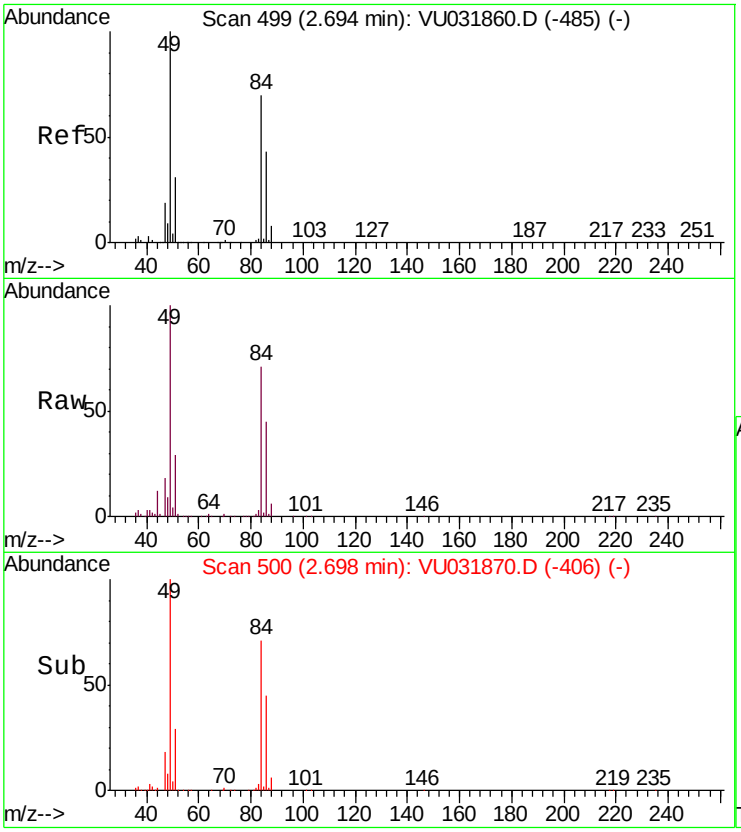


#12
1,1-Dichloroethene
Concen: 6.322 ug/L
RT: 2.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 96 Resp: 170169

Ion	Ratio	Lower	Upper
96	100		
61	195.7	149.0	276.6
63	115.1	99.8	185.4



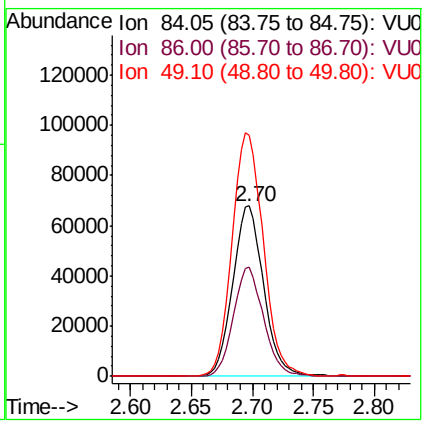


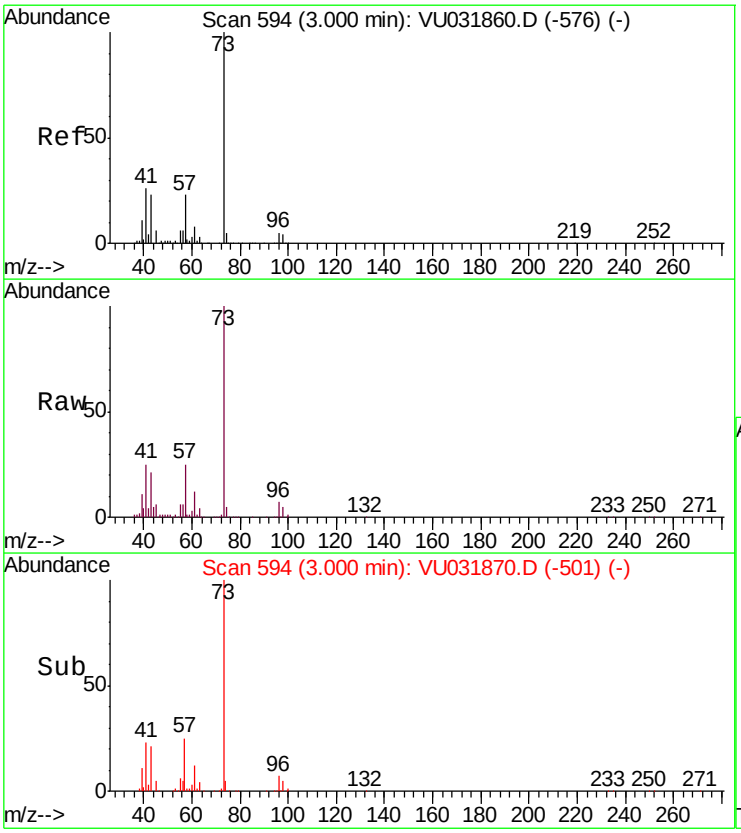
#16
Methylene chloride
Concen: 3.187 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument : MSVOA_U
ClientSampleId : DB846

Tgt Ion: 84 Resp: 119038

Ion	Ratio	Lower	Upper
84	100		
86	64.1	45.6	84.8
49	141.5	106.7	198.1

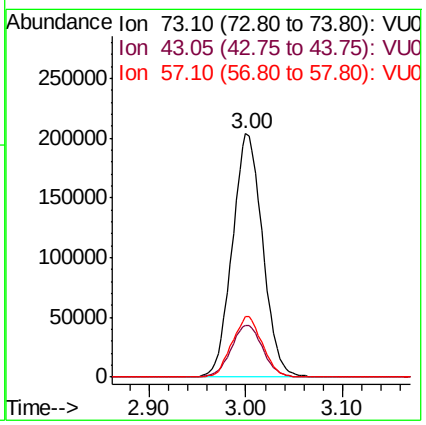


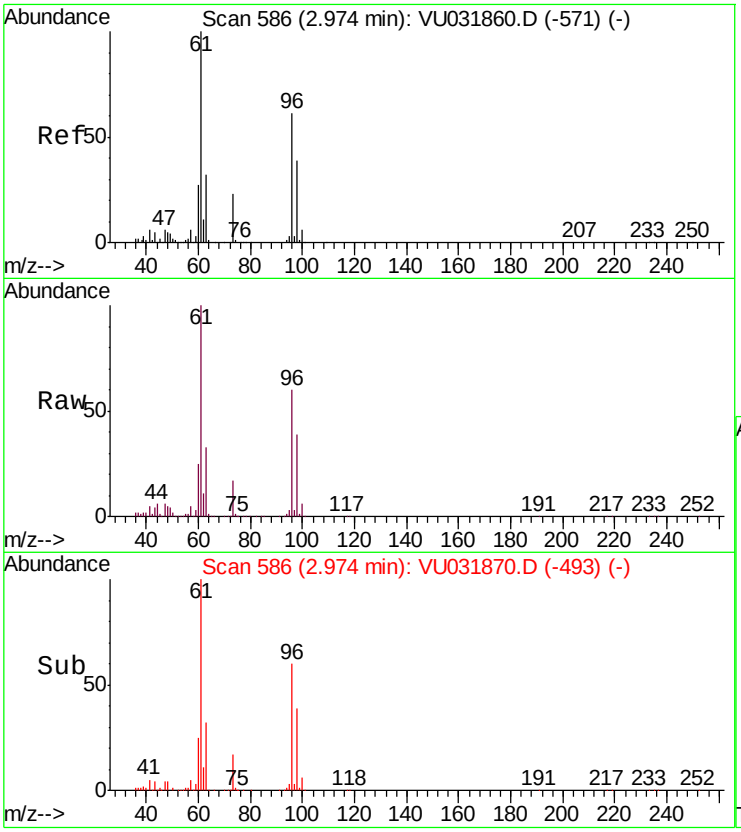


#17
Methyl tert-butyl Ether
Concen: 5.535 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 73 Resp: 443844

Ion	Ratio	Lower	Upper
73	100		
43	22.2	20.5	30.7
57	24.9	19.9	29.9



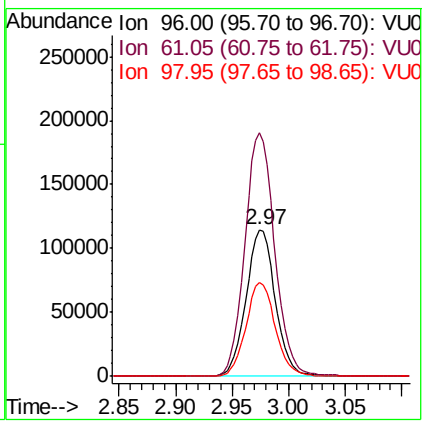


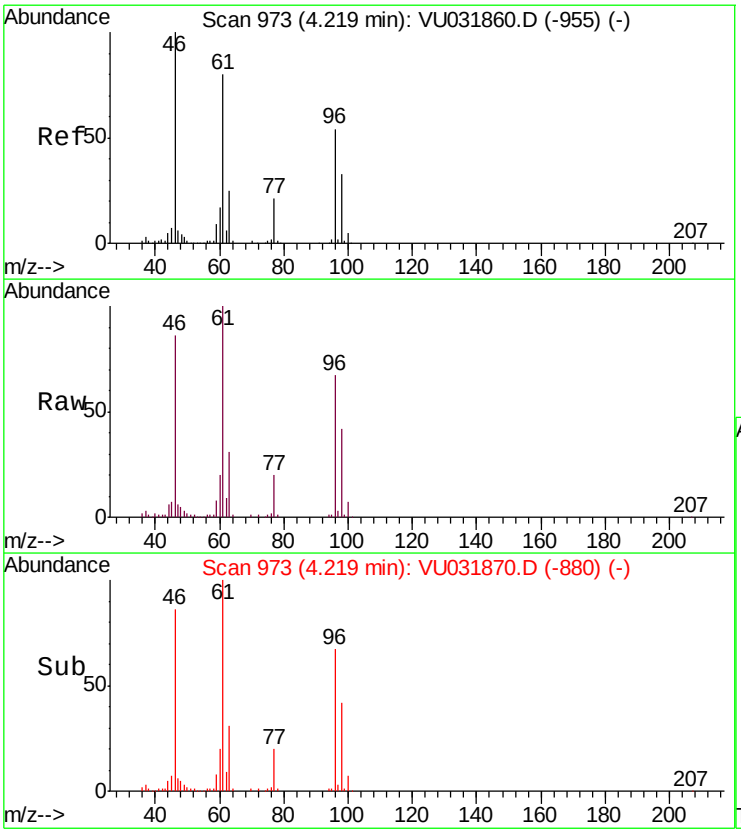
#18
trans-1,2-Dichloroethene
Concen: 7.107 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument :
MSVOA_U
ClientSampleId :
DB846

Tgt Ion: 96 Resp: 206182

Ion	Ratio	Lower	Upper
96	100		
61	166.2	130.9	243.1
98	64.2	46.2	85.8

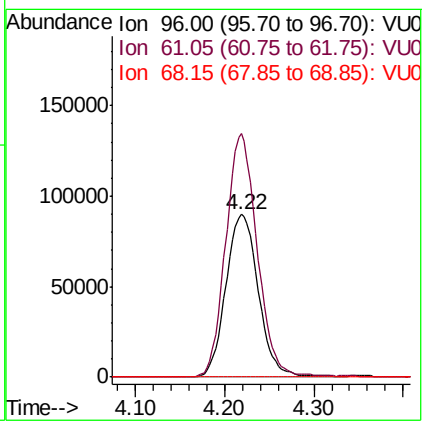


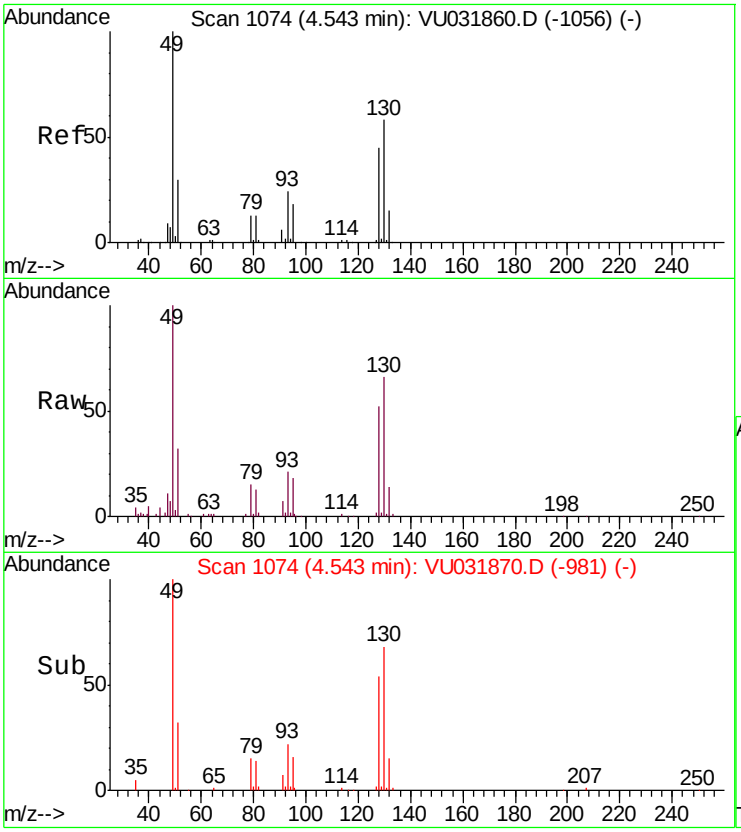


#22
cis-1,2-Dichloroethene
Concen: 6.519 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 96 Resp: 227145

Ion	Ratio	Lower	Upper
96	100		
61	149.7	113.3	210.5
68	0.0	0.0	0.0



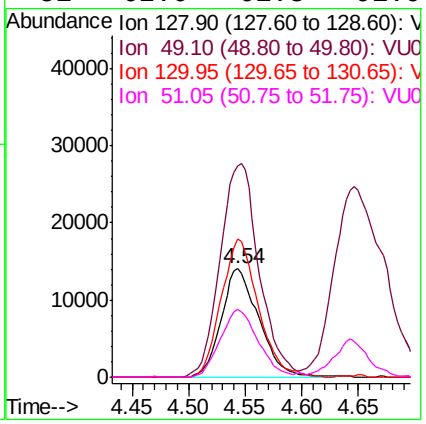


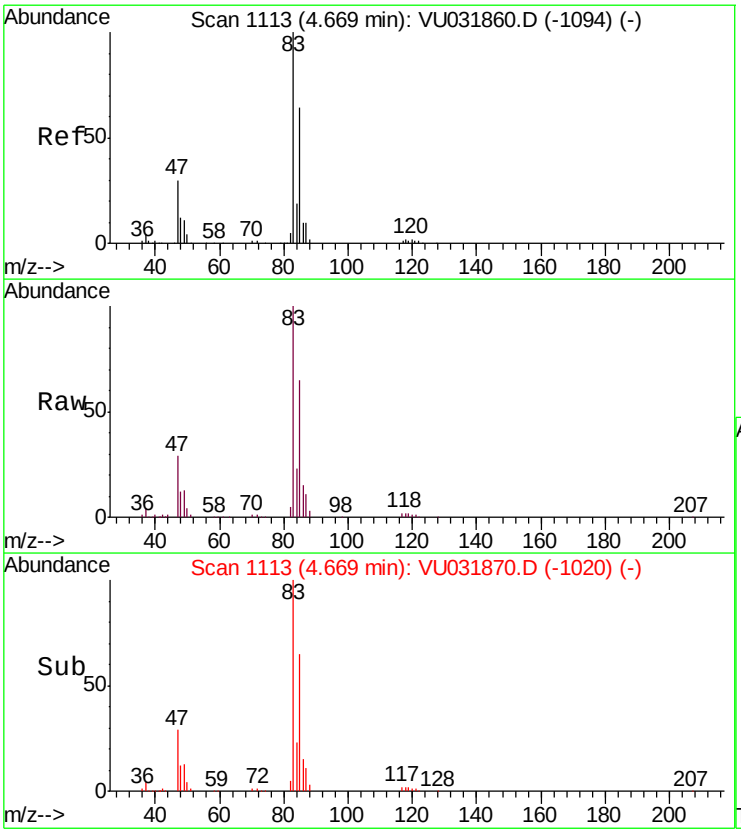
#23
Bromochloromethane
Concen: 2.332 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument : MSVOA_U
ClientSampleId : DB846

Tgt Ion:128 Resp: 32605

Ion	Ratio	Lower	Upper
128	100		
49	193.8	168.8	313.4
130	127.1	93.0	172.8
51	62.0	61.3	91.9

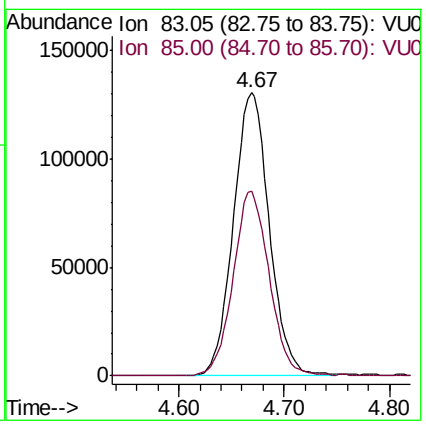


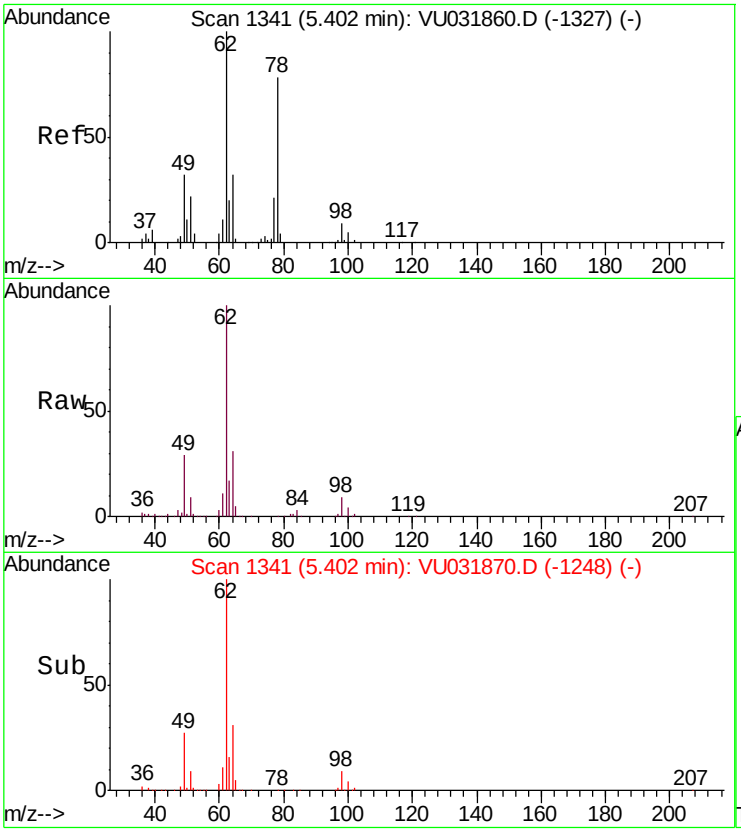


#25
Chloroform
Concen: 4.402 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 83 Resp: 309125

Ion	Ratio	Lower	Upper
83	100		
85	65.2	44.4	82.5



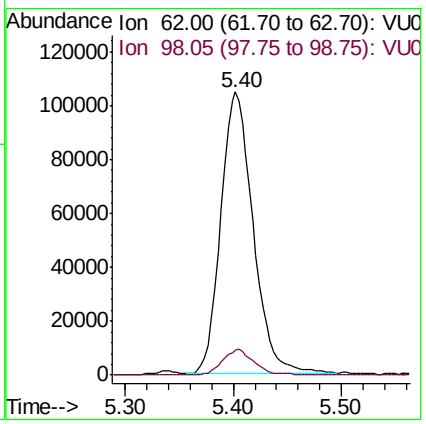


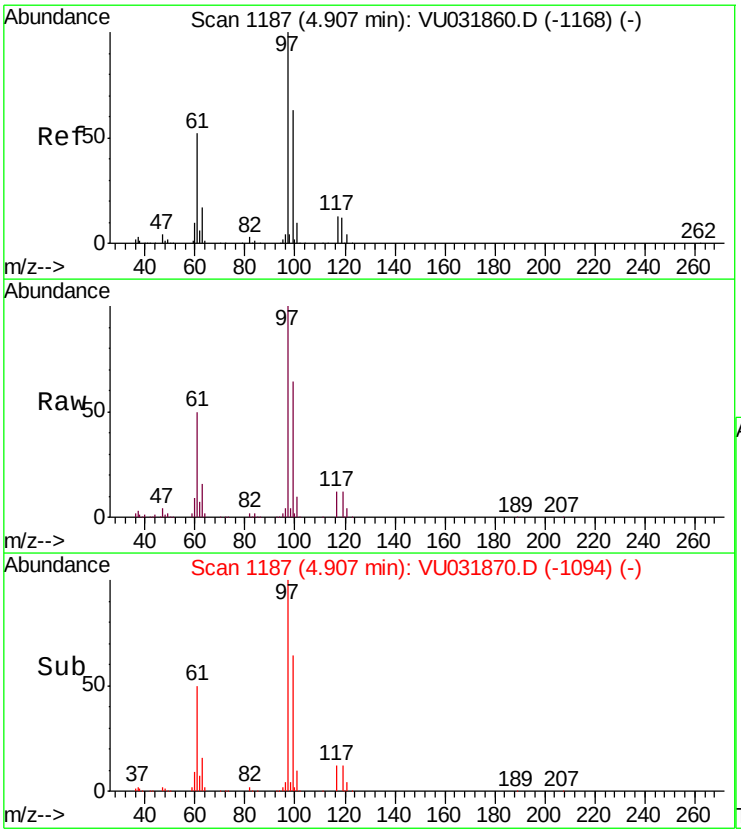
#27
1,2-Dichloroethane
Concen: 4.712 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument :
MSVOA_U
ClientSampleId :
DB846

Tgt Ion: 62 Resp: 218408

Ion	Ratio	Lower	Upper
62	100		
98	8.9	5.4	8.2#

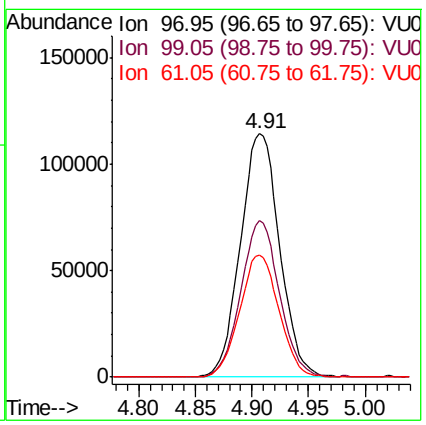


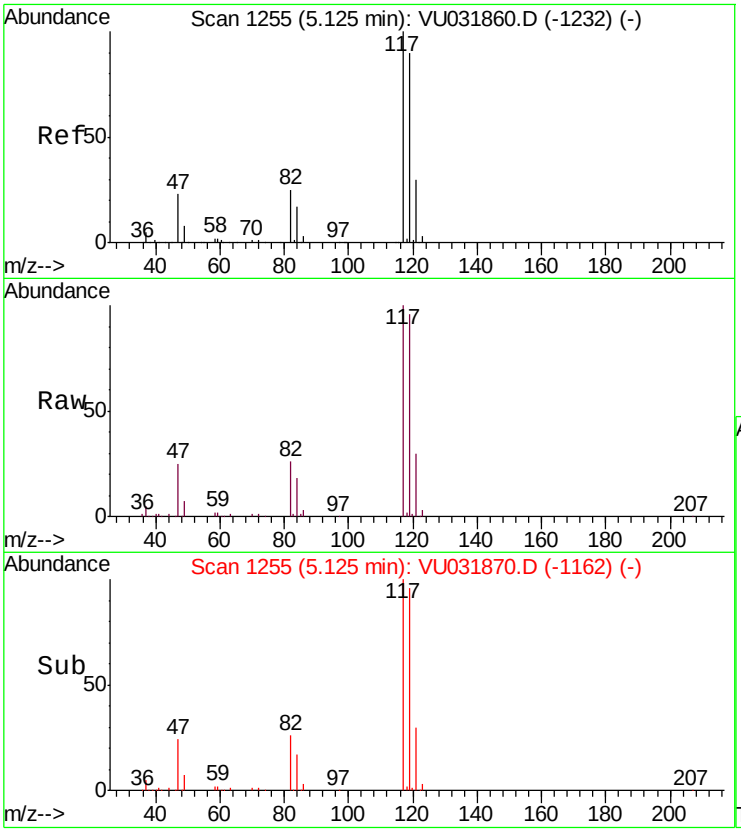


#29
1,1,1-Trichloroethane
Concen: 4.915 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 97 Resp: 275961

Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	75.8
61	50.4	42.2	63.2



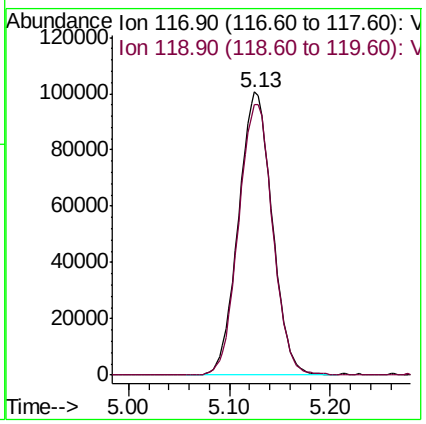


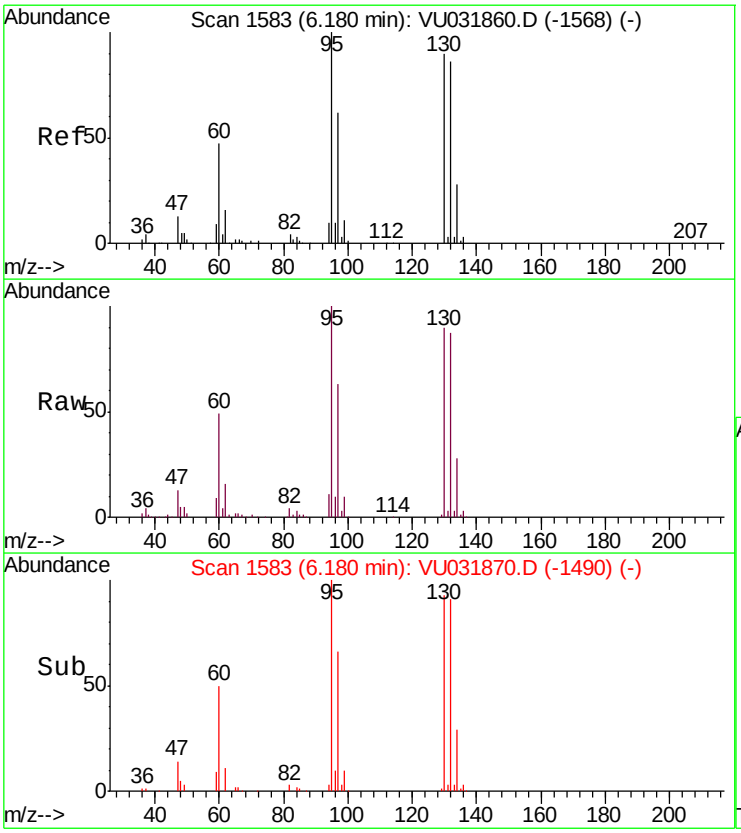
#31
Carbon tetrachloride
Concen: 4.877 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument :
MSVOA_U
ClientSampleId :
DB846

Tgt Ion:117 Resp: 233172

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.4	114.6

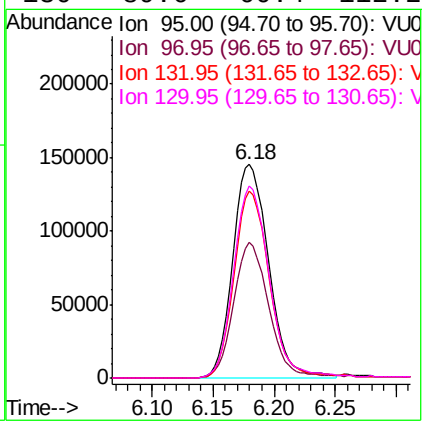


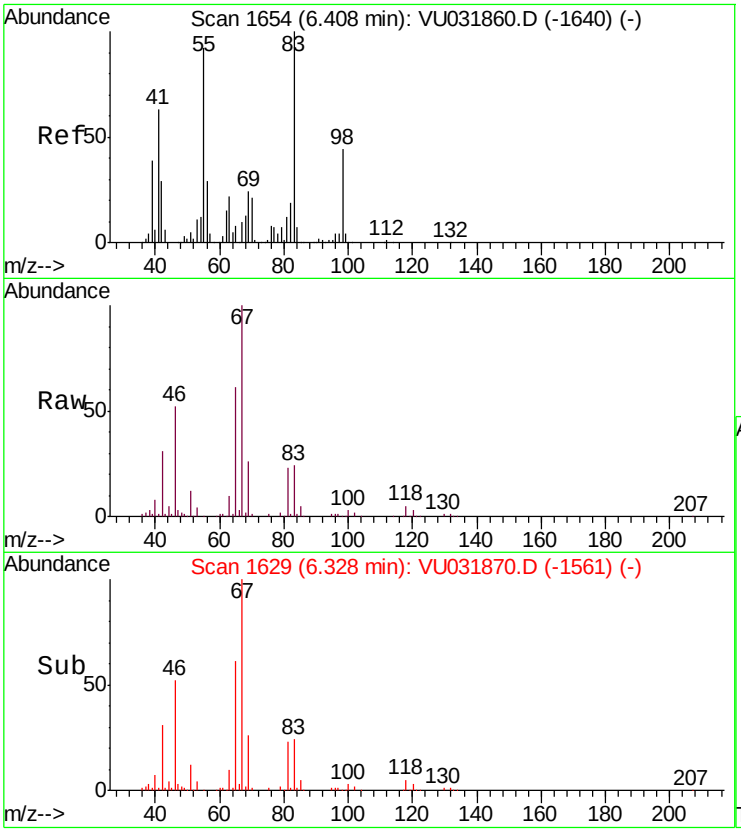


#34
Trichloroethene
Concen: 8.217 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 95 Resp: 295948

Ion	Ratio	Lower	Upper
95	100		
97	63.4	45.8	85.2
132	87.3	56.0	104.0
130	89.6	60.4	112.2



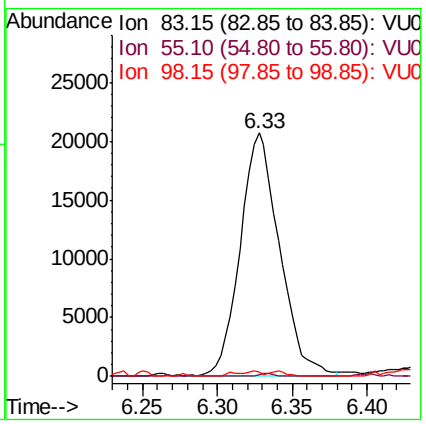


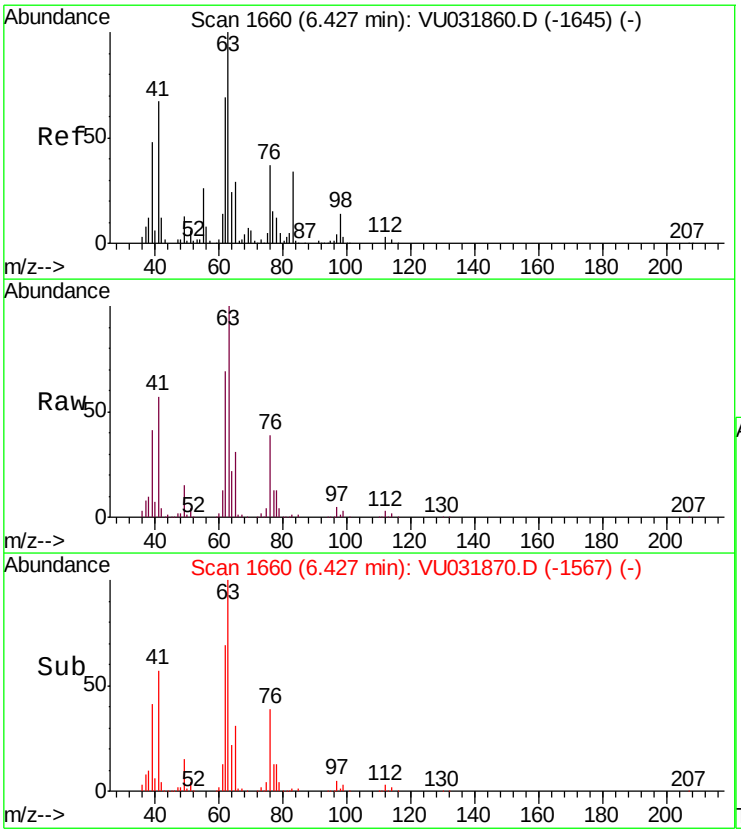
#35
Methylcyclohexane
Concen: 0.736 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument : MSVOA_U
ClientSampleId : DB846

Tgt Ion: 83 Resp: 38057

Ion	Ratio	Lower	Upper
83	100		
55	0.4	79.2	118.8#
98	1.3	34.0	51.0#

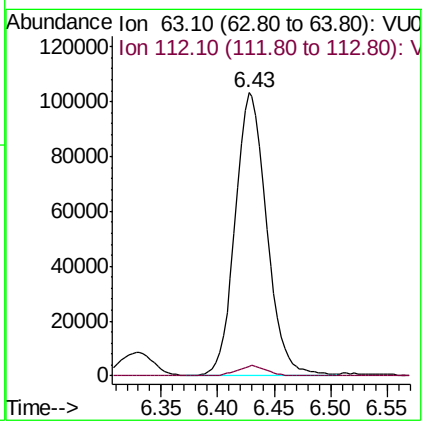


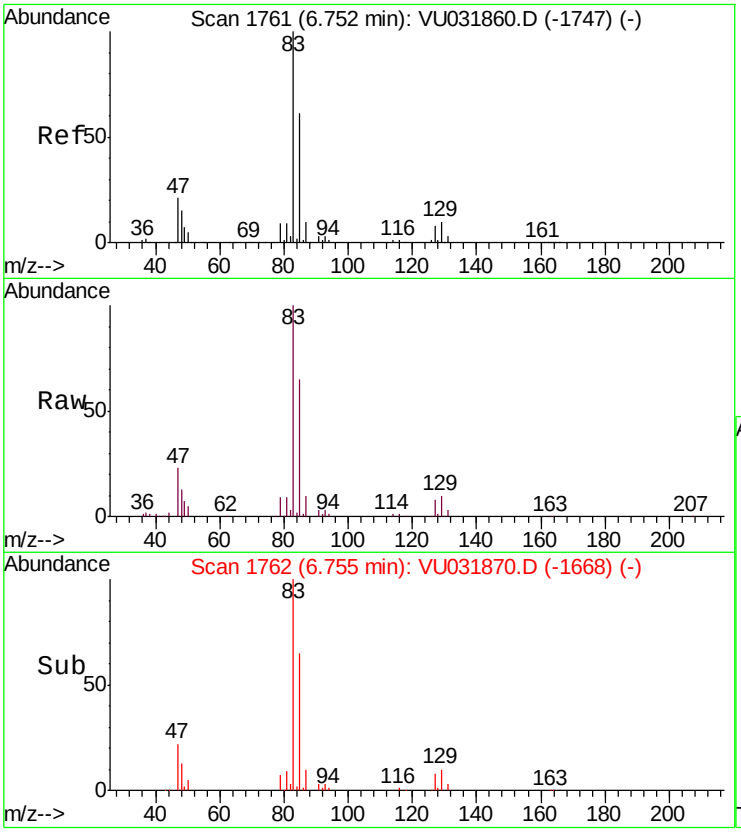


#37
1,2-Dichloropropane
Concen: 4.896 ug/L
RT: 6.43 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 63 Resp: 200181

Ion	Ratio	Lower	Upper
63	100		
112	3.4	2.5	3.7



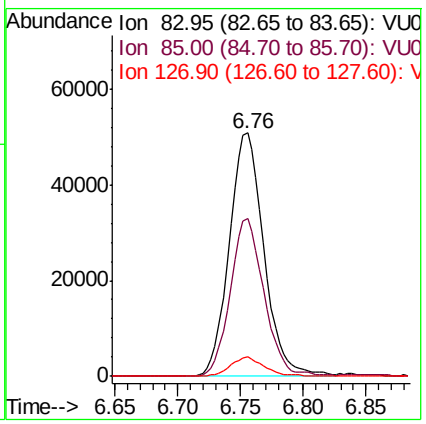


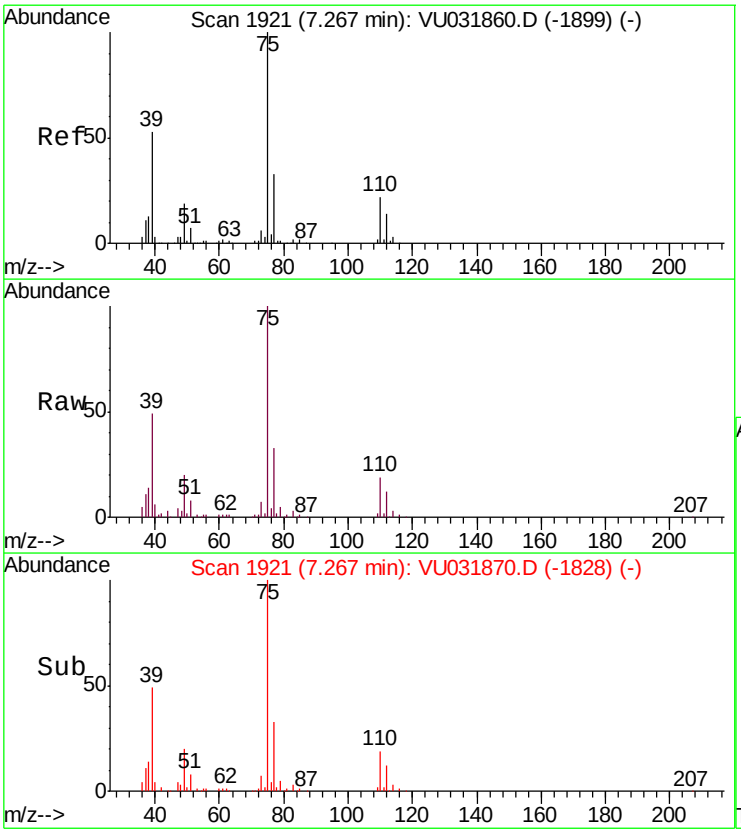
#38
Bromodichloromethane
Concen: 2.003 ug/L
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument : MSVOA_U
ClientSampleId : DB846

Tgt Ion: 83 Resp: 97517

Ion	Ratio	Lower	Upper
83	100		
85	64.8	41.3	76.7
127	7.9	5.8	8.6

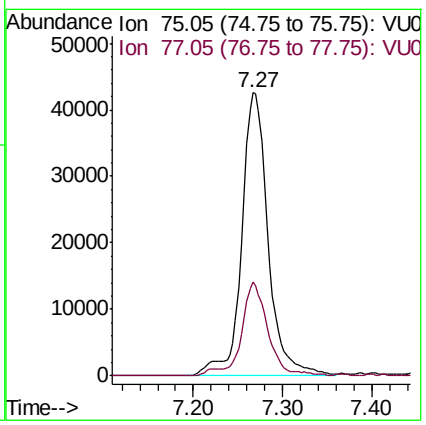


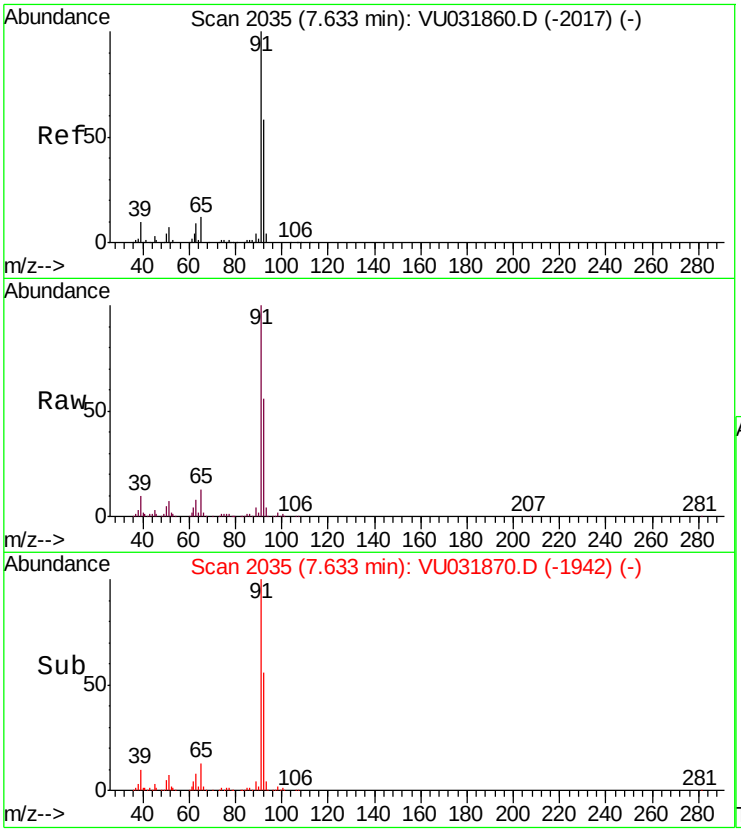


#39
cis-1,3-Dichloropropene
Concen: 1.722 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 75 Resp: 88209

Ion	Ratio	Lower	Upper
75	100		
77	33.0	22.3	41.5



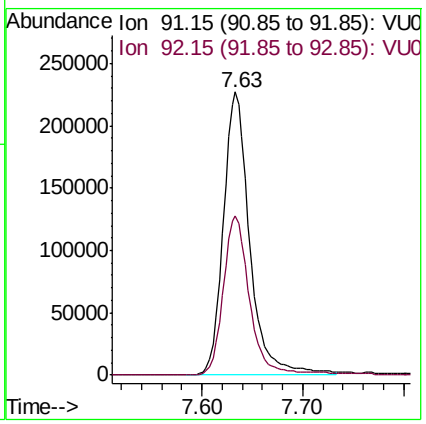


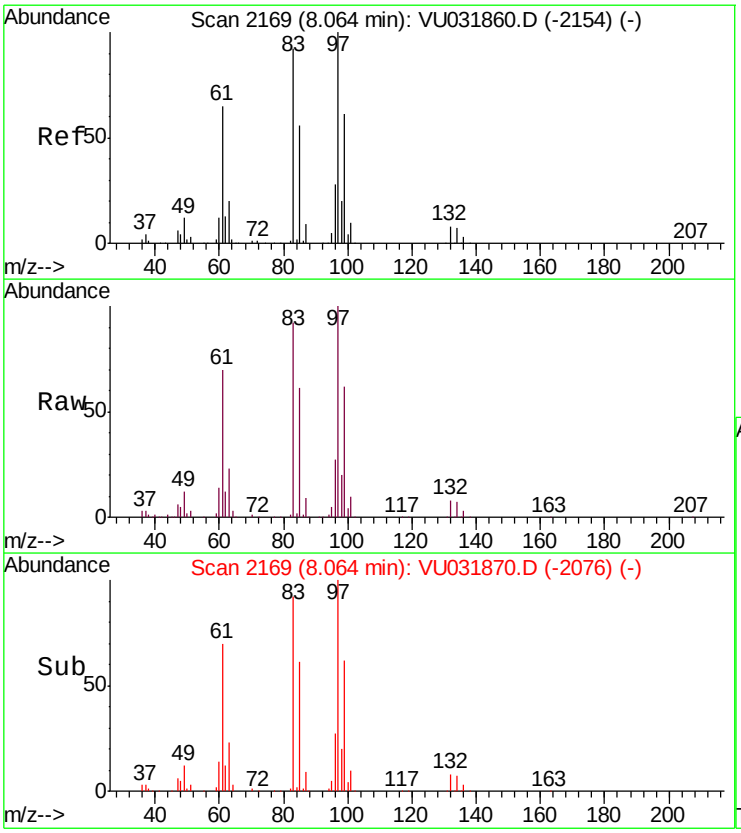
#42
Toluene
Concen: 2.946 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument : MSVOA_U
ClientSampleId : DB846

Tgt Ion: 91 Resp: 415550

Ion	Ratio	Lower	Upper
91	100		
92	56.3	38.1	70.9

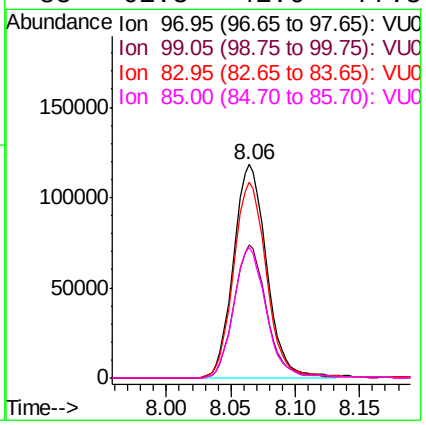


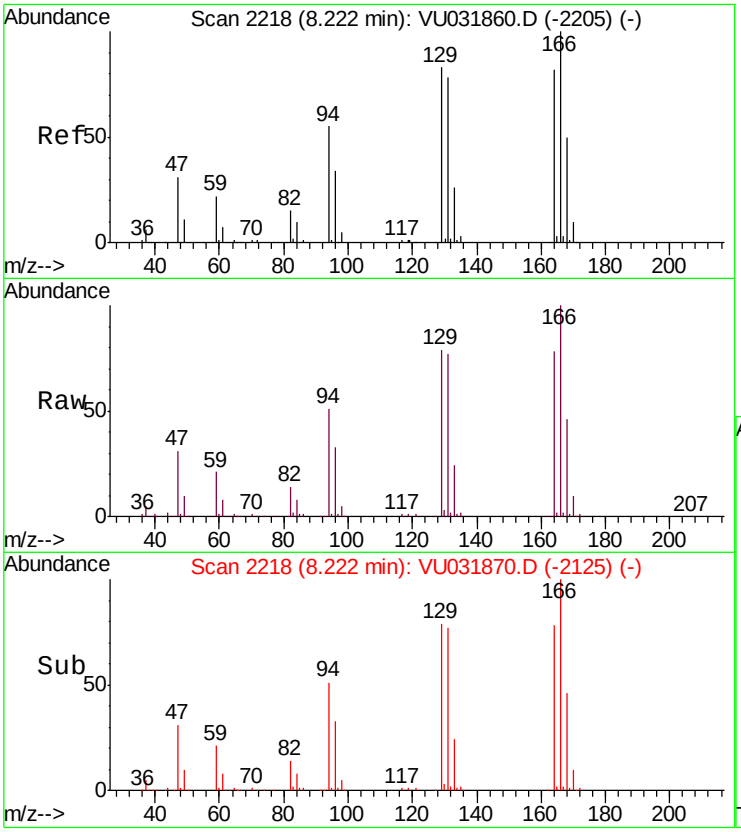


#45
1,1,2-Trichloroethane
Concen: 8.753 ug/L
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 97 Resp: 212023

Ion	Ratio	Lower	Upper
97	100		
99	62.4	45.8	85.0
83	92.0	64.5	119.7
85	61.3	41.6	77.3



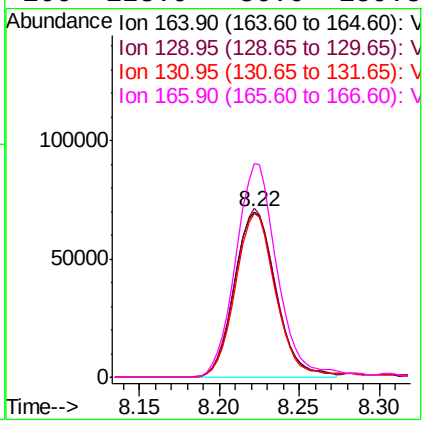


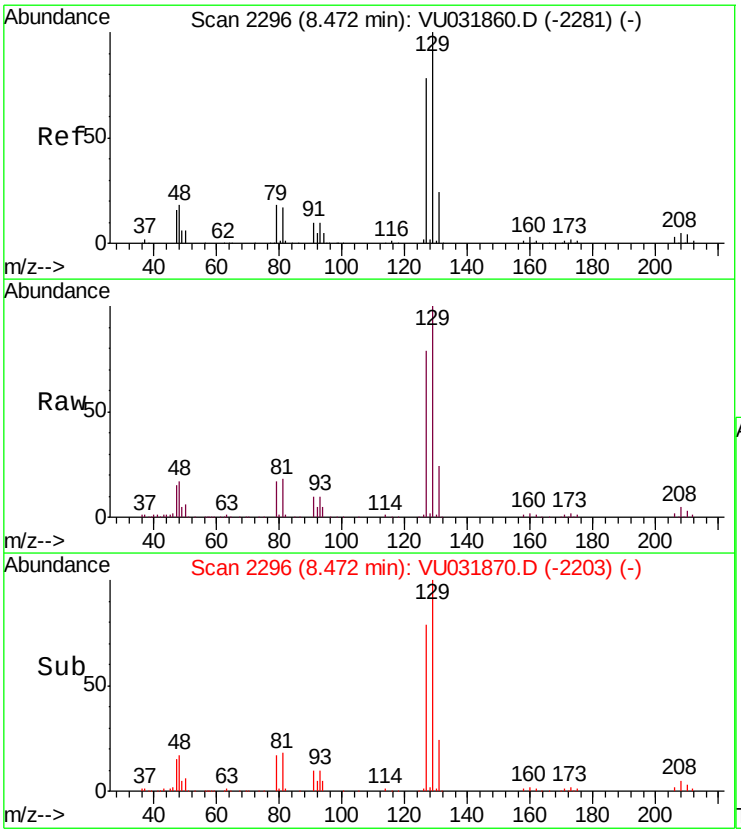
#47
Tetrachloroethene
Concen: 5.277 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument :
MSVOA_U
ClientSampleId :
DB846

Tgt Ion:164 Resp: 123587

Ion	Ratio	Lower	Upper
164	100		
129	101.8	70.3	130.5
131	99.3	65.4	121.4
166	128.9	86.0	159.8

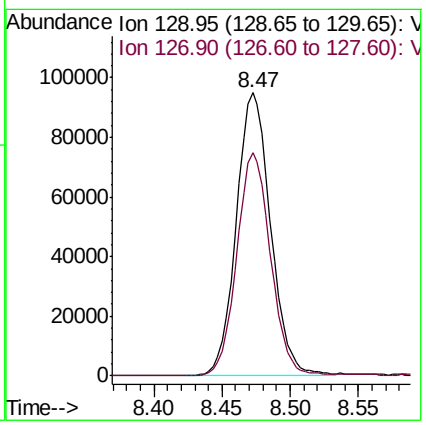


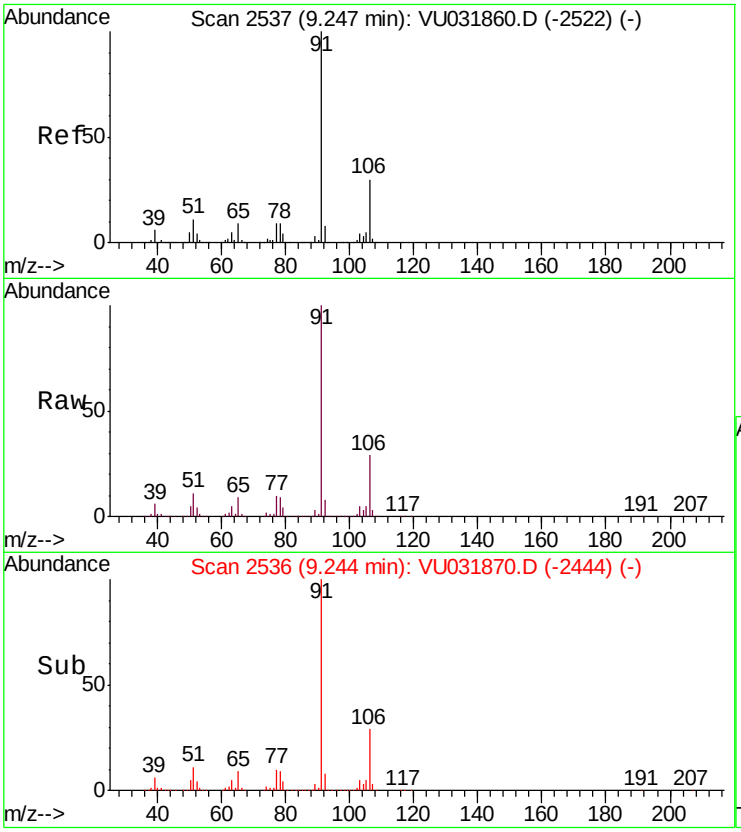


#49
Dibromochloromethane
Concen: 5.904 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion:129 Resp: 166317

Ion	Ratio	Lower	Upper
129	100		
127	78.8	54.7	101.7



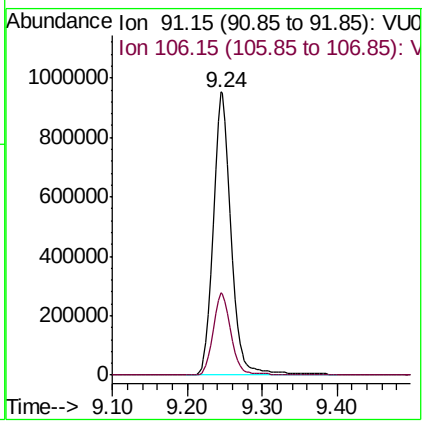


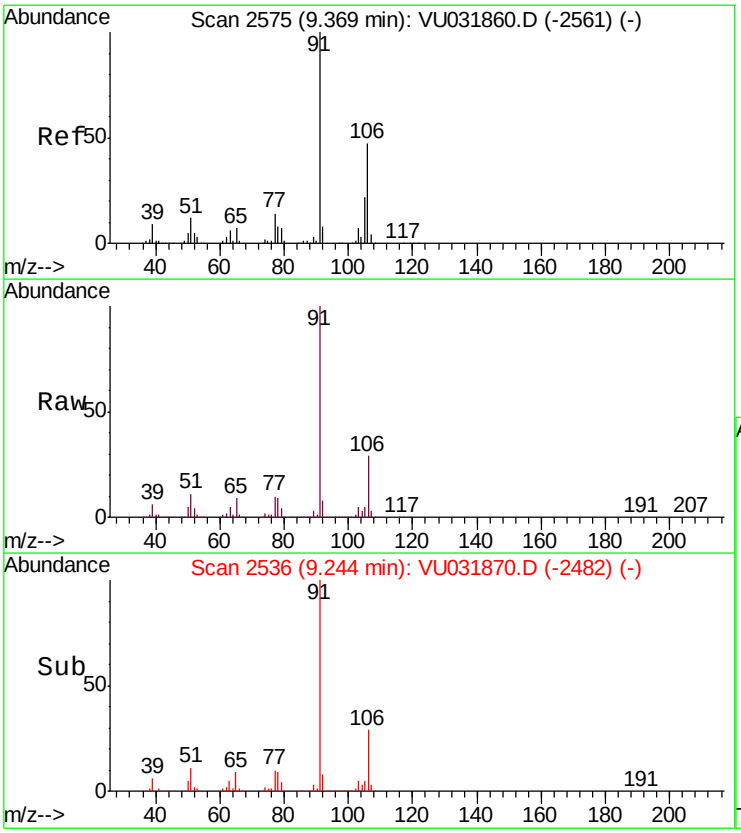
#52
Ethylbenzene
Concen: 10.782 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument :
MSVOA_U
ClientSampleId :
DB846

Tgt Ion: 91 Resp: 1586484

Ion	Ratio	Lower	Upper
91	100		
106	29.0	20.0	37.2

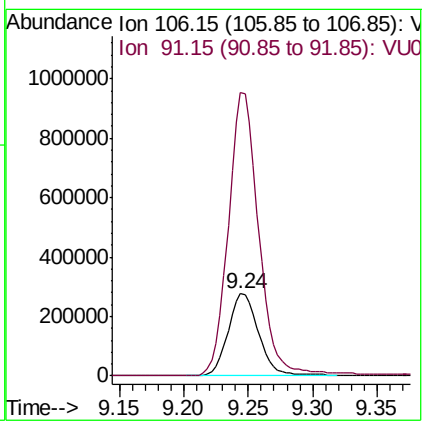


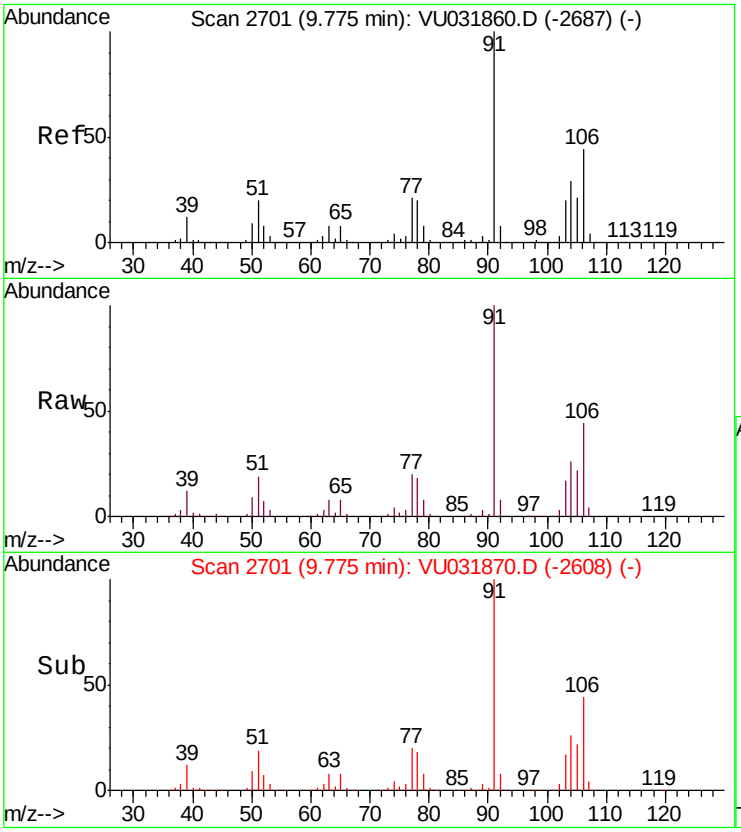


#53
m,p-Xylene
Concen: 8.773 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.13 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion:106 Resp: 459484

Ion	Ratio	Lower	Upper
106	100		
91	345.3	150.3	279.1#



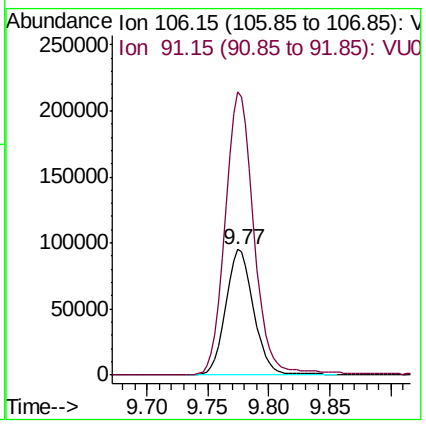


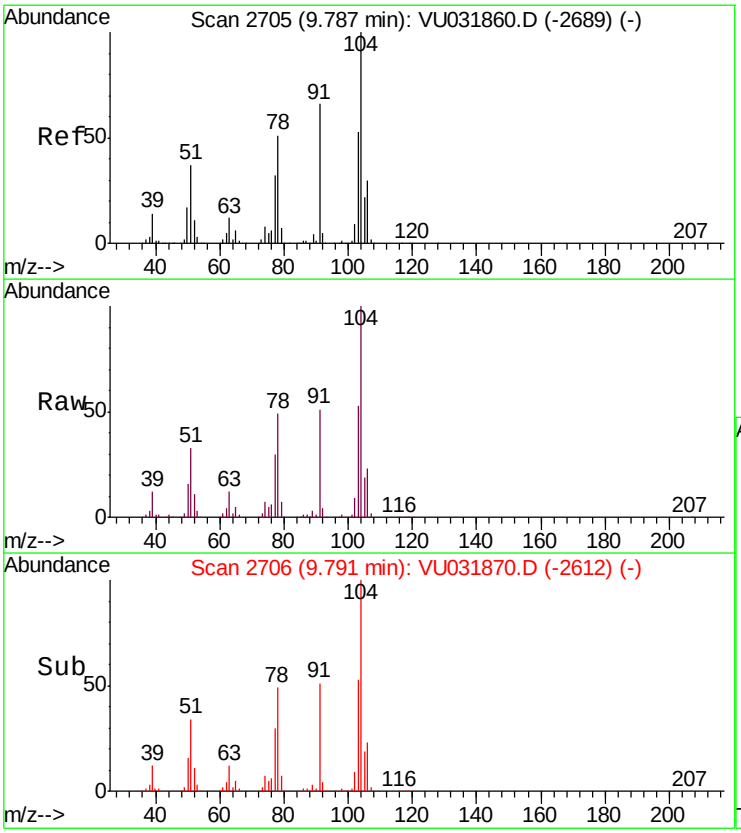
#54
o-Xylene
Concen: 3.063 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument : MSVOA_U
ClientSampleId : DB846

Tgt Ion:106 Resp: 153424

Ion	Ratio	Lower	Upper
106	100		
91	225.1	161.8	300.6

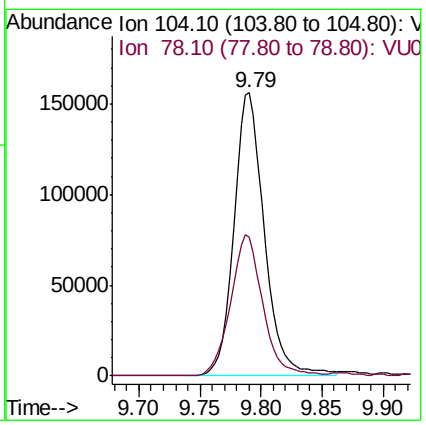


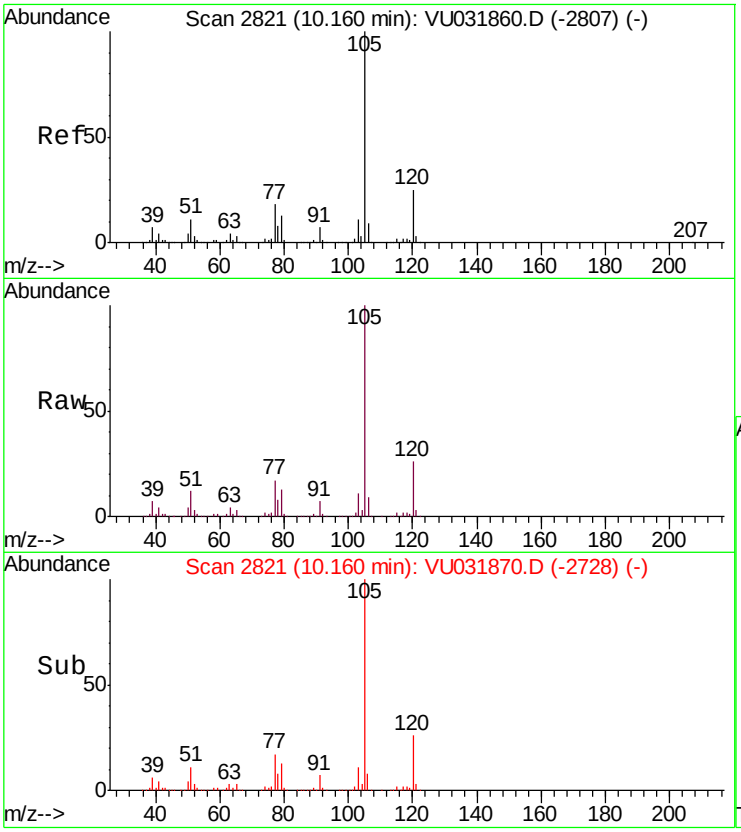


#55
Styrene
Concen: 3.135 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion:104 Resp: 269479

Ion	Ratio	Lower	Upper
104	100		
78	49.2	37.2	69.0



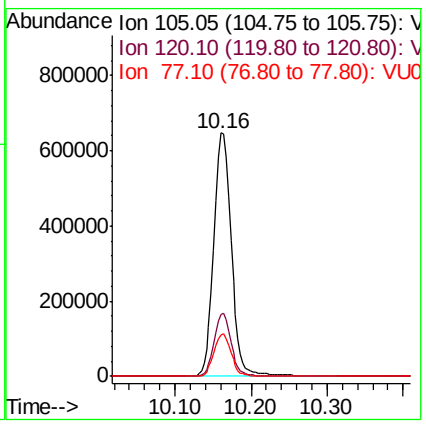


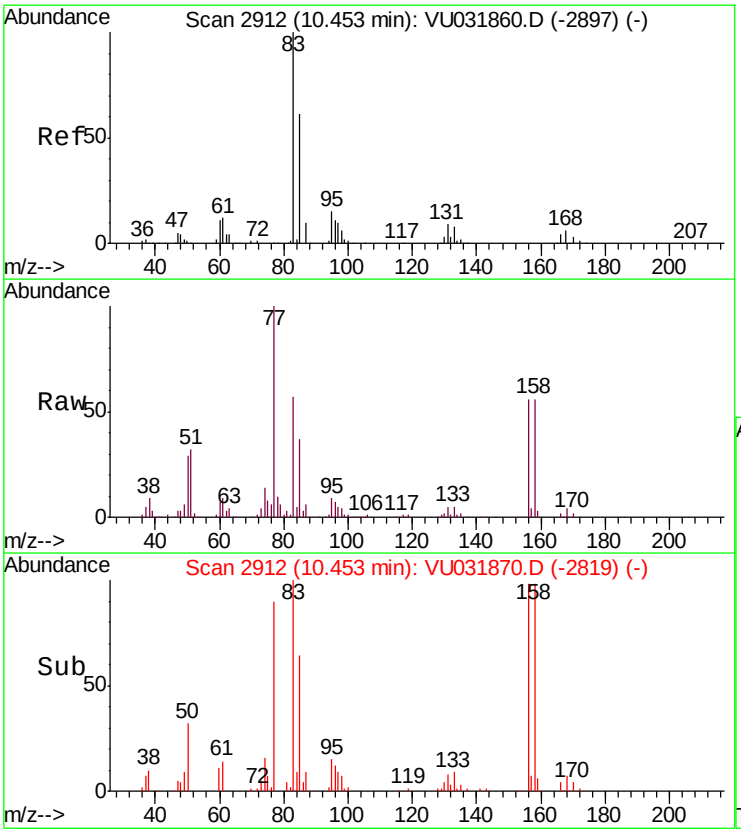
#56
Isopropylbenzene
Concen: 7.733 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument :
MSVOA_U
ClientSampleId :
DB846

Tgt Ion:105 Resp: 1036953

Ion	Ratio	Lower	Upper
105	100		
120	24.8	20.2	30.4
77	17.3	14.8	22.2

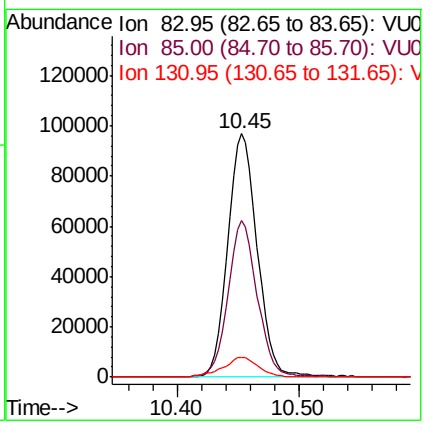


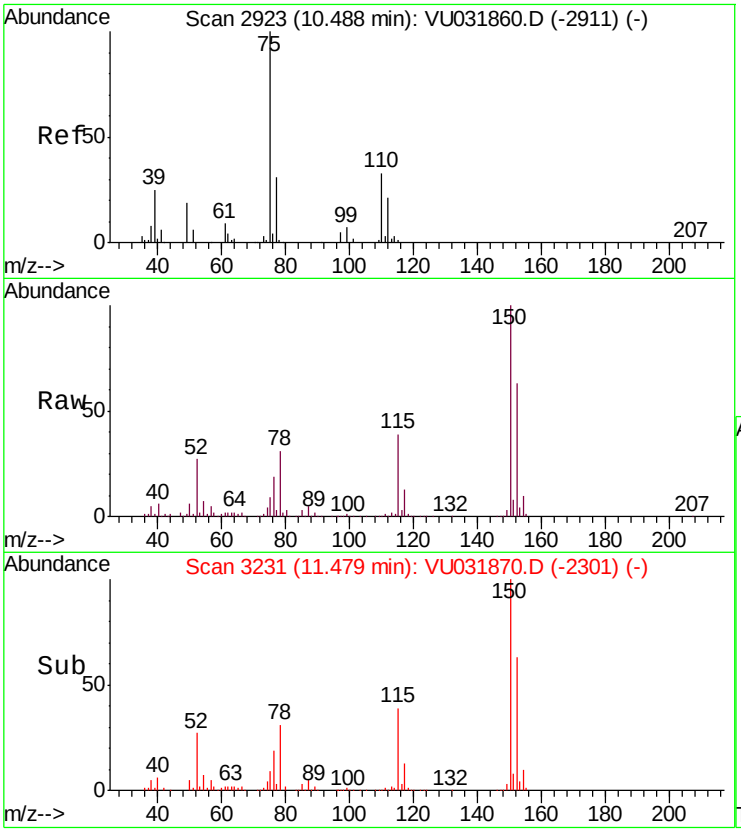


#58
1,1,2,2-Tetrachloroethane
Concen: 5.042 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion: 83 Resp: 163106

Ion	Ratio	Lower	Upper
83	100		
85	64.2	44.3	82.3
131	8.3	6.0	9.0



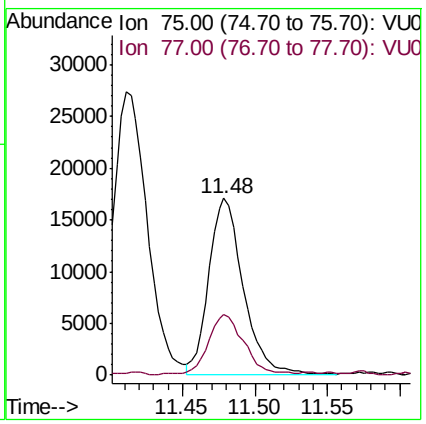


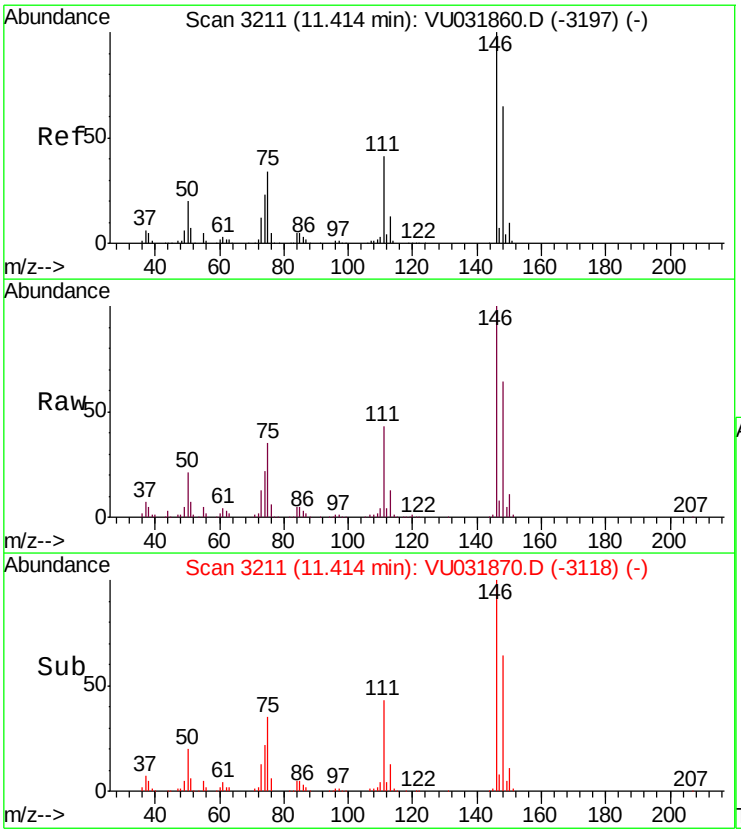
#59
1,2,3-Trichloropropane
Concen: 1.154 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument : MSVOA_U
ClientSampleId : DB846

Tgt Ion: 75 Resp: 27919

Ion	Ratio	Lower	Upper
75	100		
77	36.4	26.3	39.5

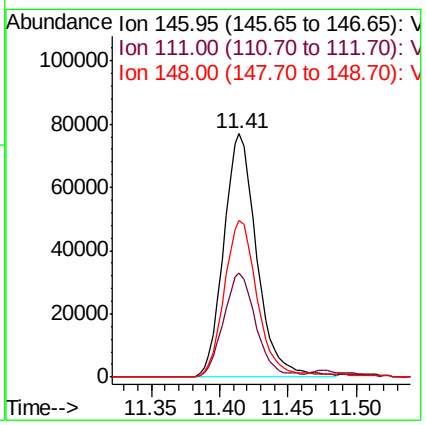


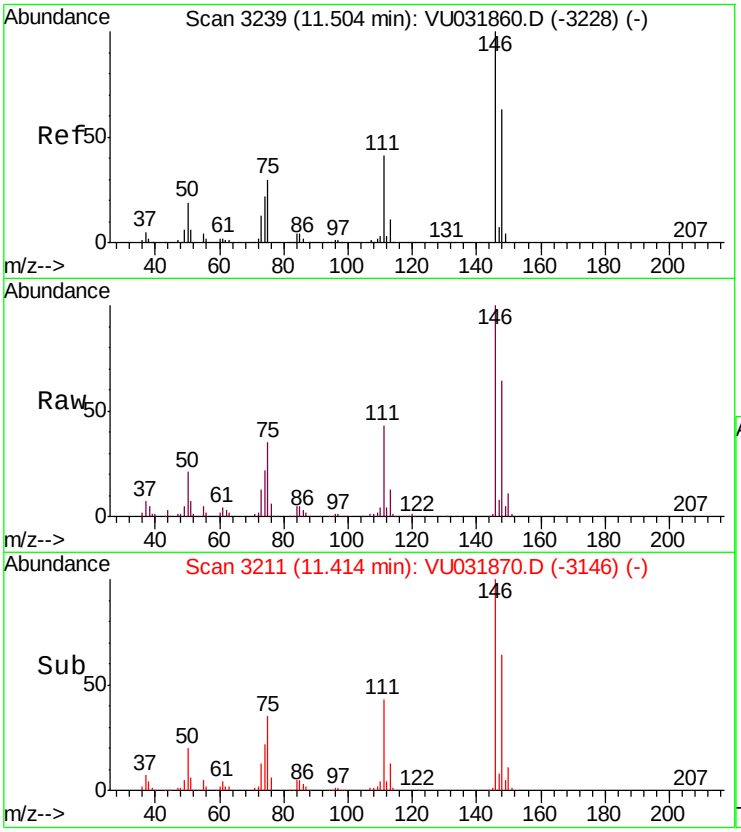


#62
1,3-Dichlorobenzene
Concen: 2.126 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion:146 Resp: 129667

Ion	Ratio	Lower	Upper
146	100		
111	42.9	29.4	54.6
148	64.1	44.0	81.6



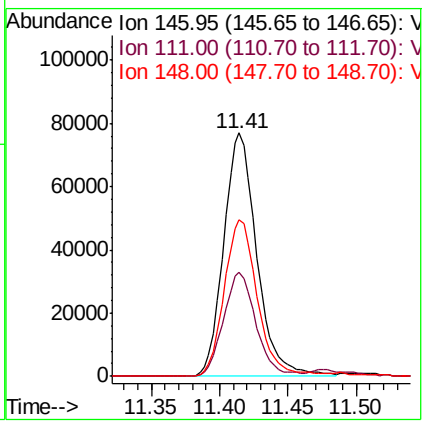


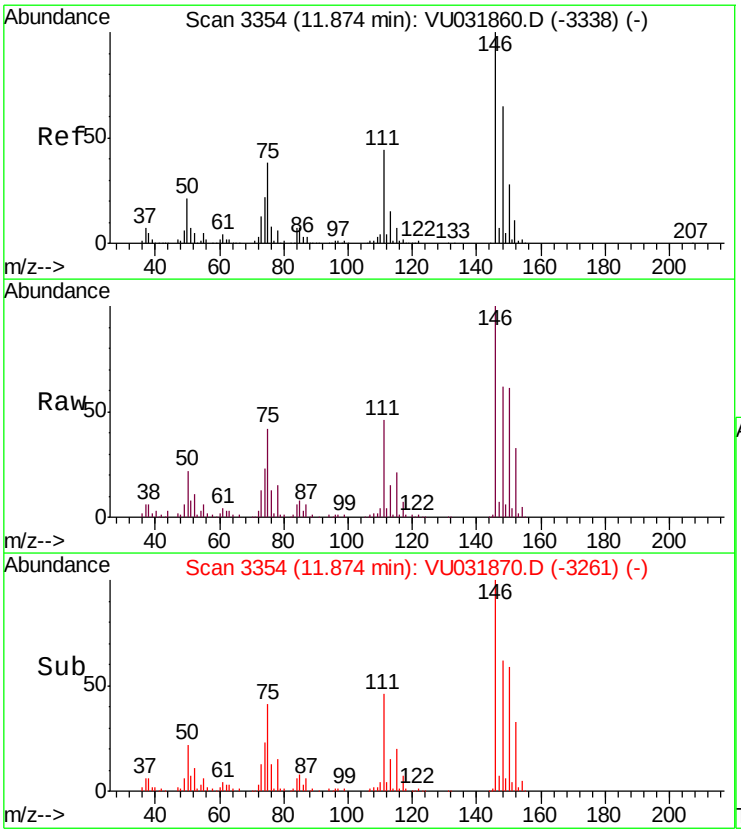
#63
1,4-Dichlorobenzene
Concen: 2.096 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. -0.09 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Instrument : MSVOA_U
ClientSampleId : DB846

Tgt Ion:146 Resp: 129667

Ion	Ratio	Lower	Upper
146	100		
111	42.9	29.5	54.7
148	64.1	44.8	83.2





#65
1,2-Dichlorobenzene
Concen: 2.087 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU031870.D
Acq: 09 May 2019 12:30

Tgt Ion:146 Resp: 124186

Ion	Ratio	Lower	Upper
146	100		
111	45.6	37.0	55.4
148	61.7	52.2	78.4