Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040719\

Quantitation Report (Not Reviewed)

Data File : VU030841.D
Acq On : 07 Apr 2019 07:13
Operator : JC/SP
Sample : K2249-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YE7

Quant Time: Apr 08 07:12:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 07:03:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	489322	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	478757	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	232885	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	227359	52.05	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 104.10%			
7) Chloroethane-d5	1.68	69	173029	52.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.38%			
11) 1,1-Dichloroethene-d2	2.27	63	527606	66.78	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 133.56%#			
21) 2-Butanone-d5	4.18	46	363857	105.10	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery = 105.10%			
24) Chloroform-d	4.64	84	322950	48.40	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.80%			
26) 1,2-Dichloroethane-d4	5.31	65	229323	50.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.74%			
32) Benzene-d6	5.34	84	693792	49.64	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.28%			
36) 1,2-Dichloropropane-d6	6.32	67	238426	49.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.56%			
41) Toluene-d8	7.56	98	588900	47.54	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.08%			
43) trans-1,3-Dichloropropene-	7.85	79	94707	43.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.72%			
47) 2-Hexanone-d5	8.31	63	212708	97.16	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 97.16%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	322843	49.97	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.94%			
64) 1,2-Dichlorobenzene-d4	11.85	152	226207	49.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.78%			

Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	1471262	273.380	ug/L	98
8) Chloroethane	1.69	64	633459	206.371	ug/L	99
12) 1,1-Dichloroethene	2.28	96	396711	117.285	ug/L	87
13) Acetone	2.32	43	18775	5.300	ug/L	99
14) Carbon disulfide	2.49	76	12191	1.160	ug/L	98
16) Methylene chloride	2.70	84	19834	4.827	ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	456795	127.190	ug/L	98
19) 1,1-Dichloroethane	3.44	63	16852842	2273.843	ug/L	98
25) Chloroform	4.67	83	39491	5.301	ug/L	99
27) 1,2-Dichloroethane	5.40	62	64901	11.415	ug/L #	92
29) Cyclohexane	4.99	56	7859	1.152	ug/L #	84
30) 1,1,1-Trichloroethane	4.91	97	19495321	3341.334	ug/L	99
31) Carbon tetrachloride	4.91	117	2451622	487.604	ug/L	99
33) Benzene	5.39	78	130153	8.307	ug/L	100
34) Trichloroethene	6.18	95	253246	65.905	ug/L	98
35) Methylcyclohexane	6.41	83	13668	2.305	ug/L	97
39) cis-1,3-Dichloropropene	7.22	75	5657	0.896	ug/L	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040719\

Quantitation Report (Not Reviewed)

Data File : VU030841.D
Acq On : 07 Apr 2019 07:13
Operator : JC/SP
Sample : K2249-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YE7

Quant Time: Apr 08 07:12:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 07:03:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 4-Methyl-2-pentanone	7.47	43	4698	0.659	ug/L	#	76
42) Toluene	7.63	91	823616	51.501	ug/L		98
44) trans-1,3-Dichloropropene	7.85	75	3451	0.620	ug/L		89
45) 1,1,2-Trichloroethane	8.06	97	44097	11.720	ug/L		97
46) Tetrachloroethene	8.22	164	46057	16.486	ug/L		93
48) 2-Hexanone	8.36	43	12164	2.185	ug/L	#	60
52) Ethylbenzene	9.24	91	2001361	114.809	ug/L		100
53) m,p-Xylene	9.37	106	1810130	297.732	ug/L		95
54) o-xylene	9.77	106	1820456	301.030	ug/L		97
56) Isopropylbenzene	10.16	105	305942	19.215	ug/L		99
58) 1,1,2,2-Tetrachloroethane	10.45	83	11818	1.737	ug/L		83
65) 1,2-Dichlorobenzene	11.87	146	161919	21.931	ug/L		98
66) 1,2-Dibromo-3-chloropropan	12.64	75	1648	1.050	ug/L	#	4
69) Naphthalene	13.74	128	489894	33.043	ug/L		100

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

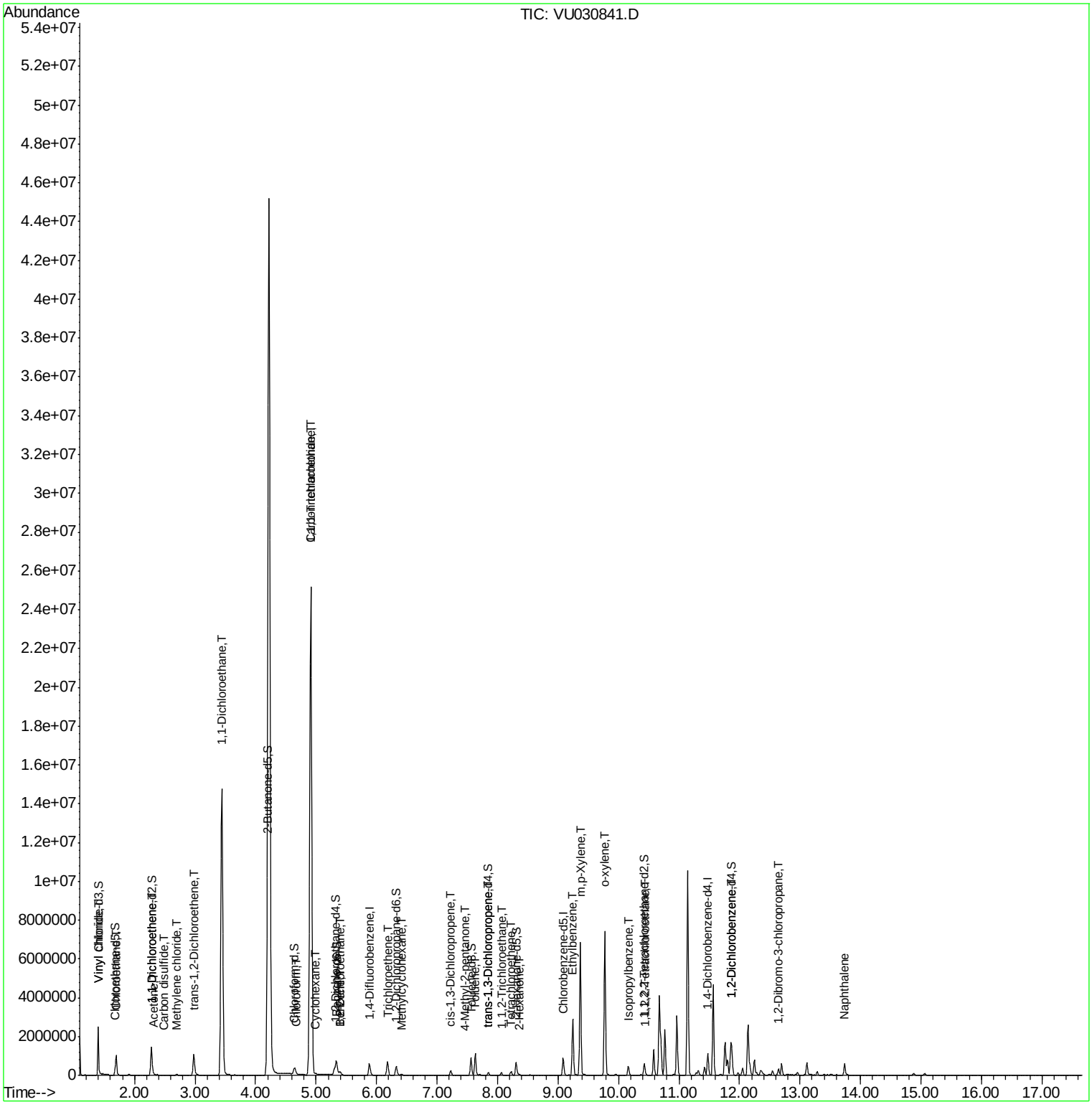
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040719\

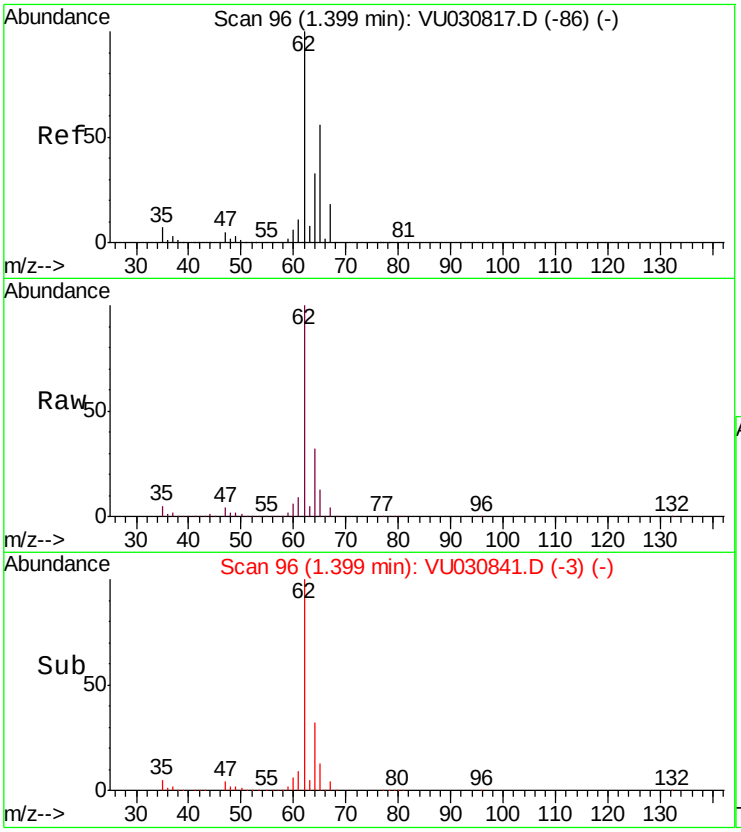
Quantitation Report (Not Reviewed)

Data File : VU030841.D
Acq On : 07 Apr 2019 07:13
Operator : JC/SP
Sample : K2249-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Quant Time: Apr 08 07:12:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 07:03:53 2019
Response via : Initial Calibration



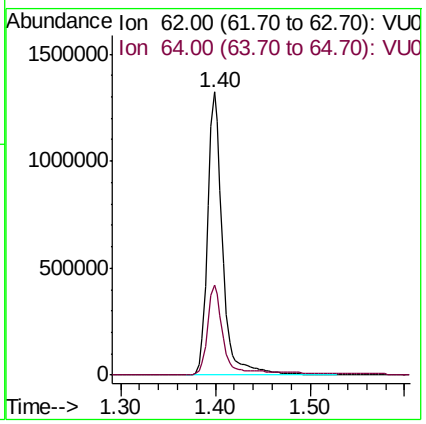


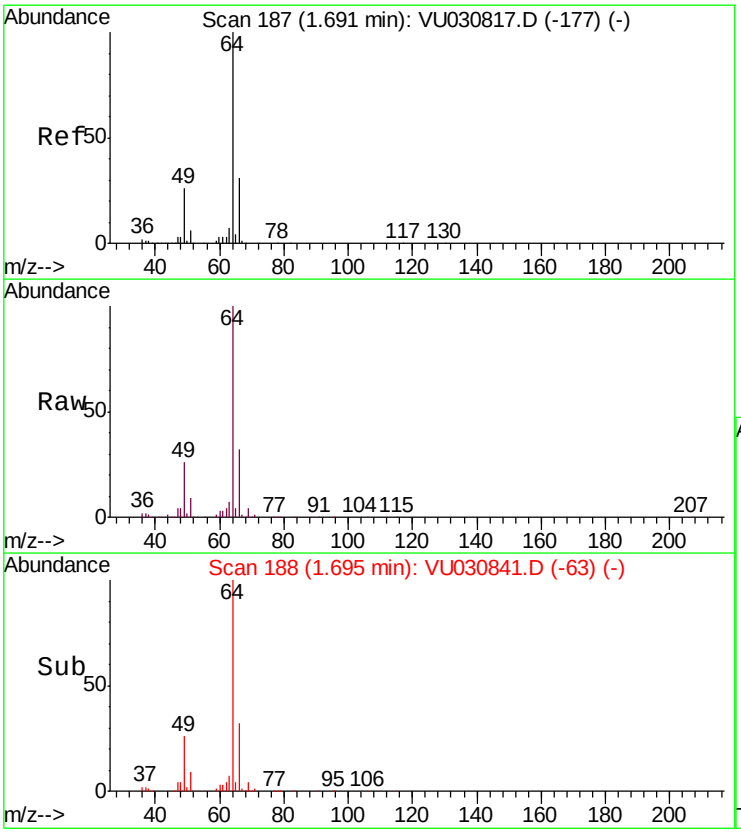
#5
Vinyl chloride
Concen: 273.380 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion: 62 Resp: 1471262

Ion	Ratio	Lower	Upper
62	100		
64	32.0	21.5	39.9

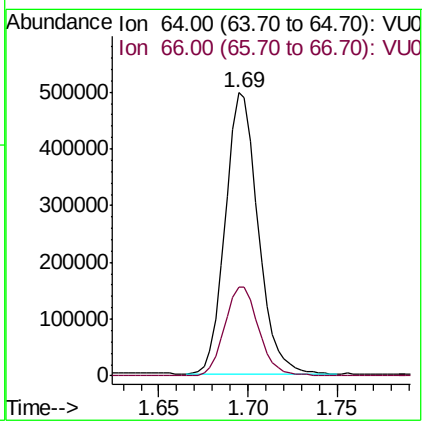


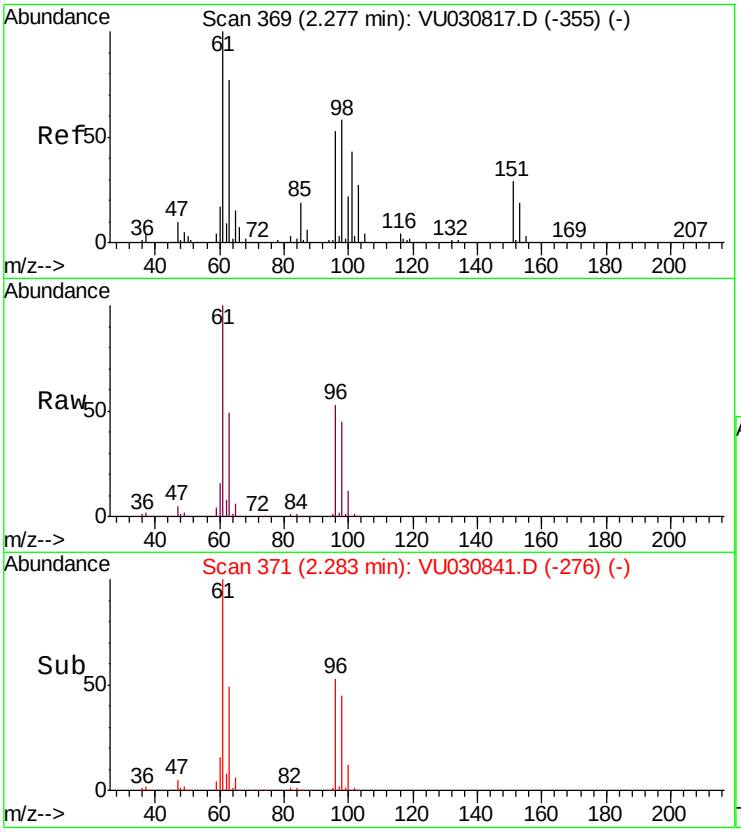


#8
Chloroethane
Concen: 206.371 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 64 Resp: 633459

Ion	Ratio	Lower	Upper
64	100		
66	31.6	22.4	41.6



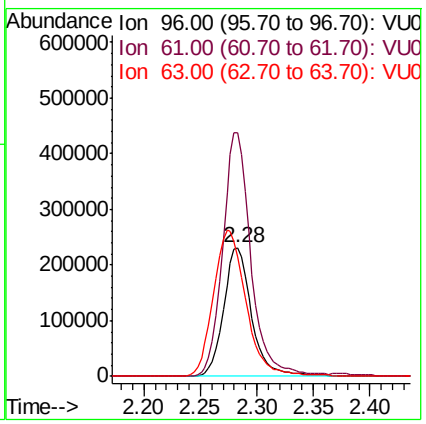


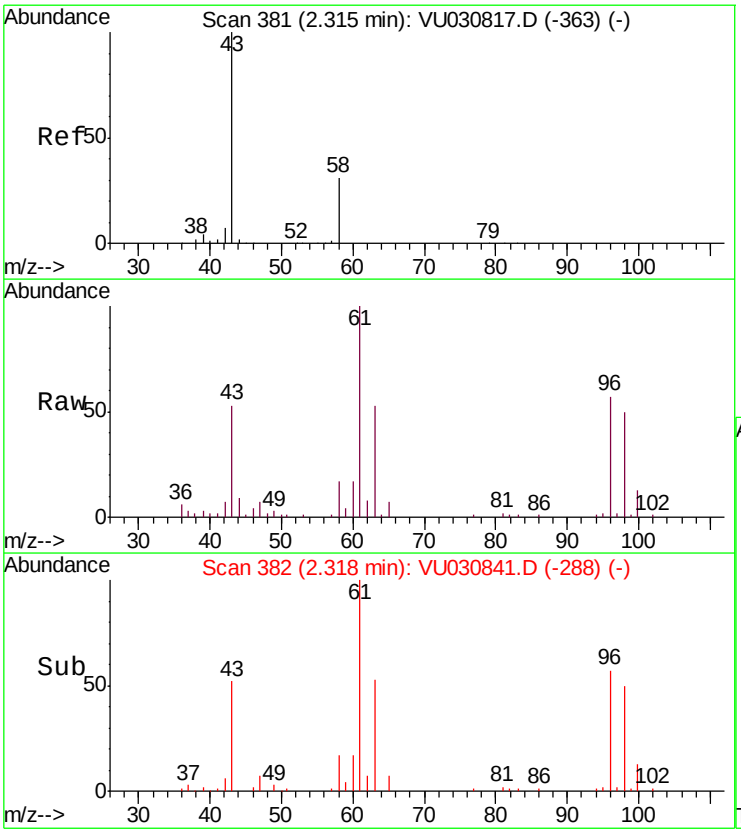
#12
1,1-Dichloroethene
Concen: 117.285 ug/L
RT: 2.28 min Scan# 371
Delta R.T. 0.01 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument : MSVOA_U
ClientSampleId : E3YE7

Tgt Ion: 96 Resp: 396711

Ion	Ratio	Lower	Upper
96	100		
61	188.7	132.0	245.2
63	92.3	90.9	168.9

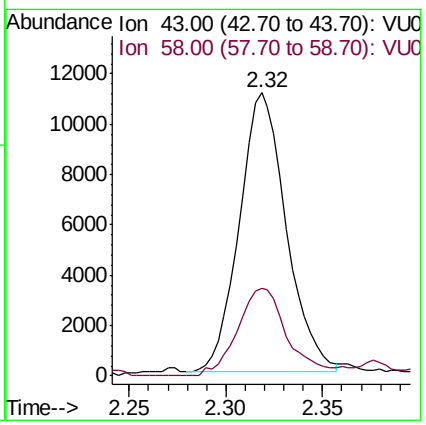


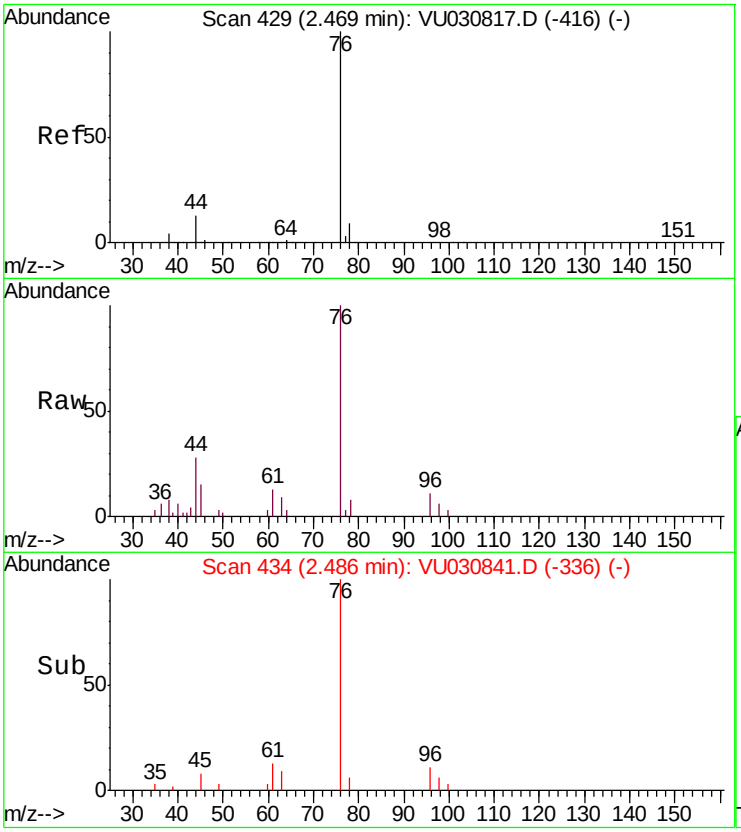


#13
Acetone
Concen: 5.300 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 43 Resp: 18775

Ion	Ratio	Lower	Upper
43	100		
58	32.8	0.0	64.0



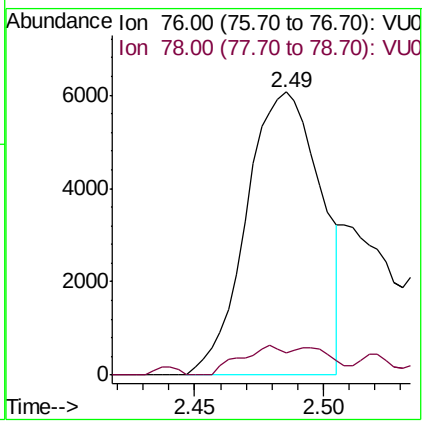


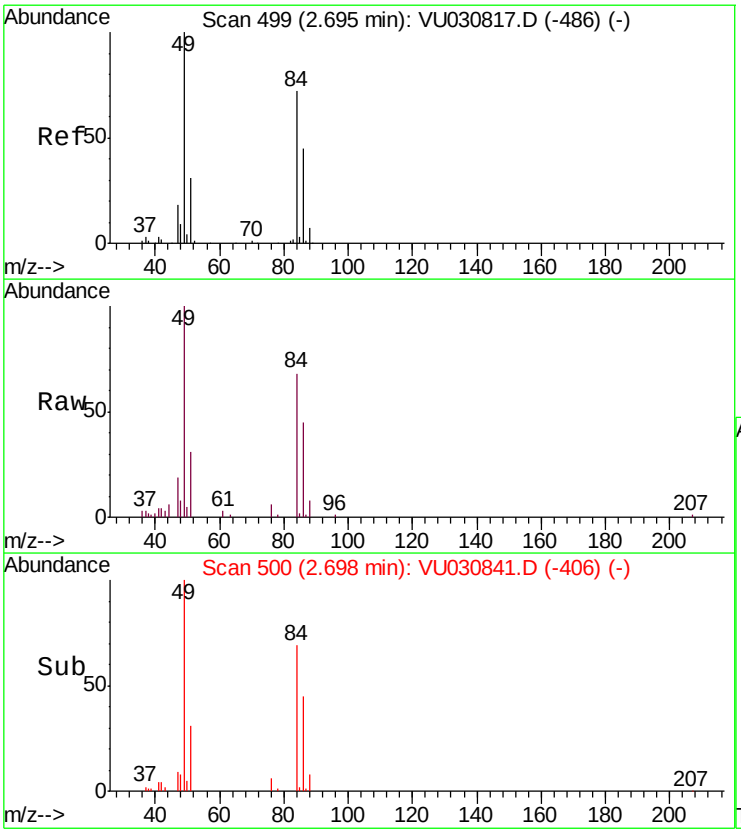
#14
Carbon disulfide
Concen: 1.160 ug/L
RT: 2.49 min Scan# 434
Delta R.T. 0.02 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion: 76 Resp: 12191

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.4

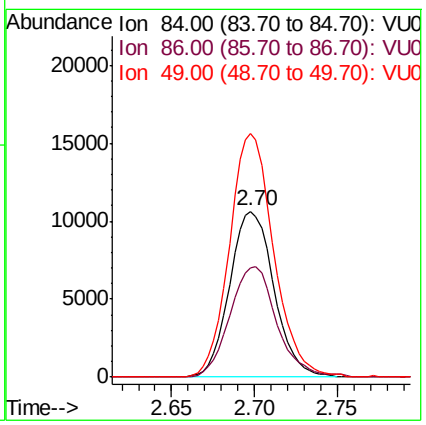


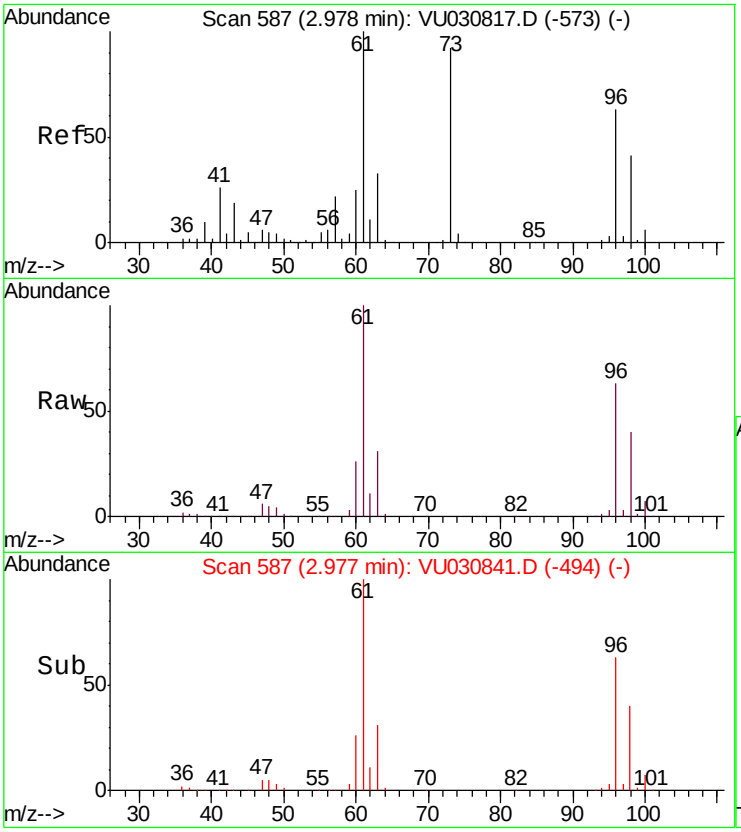


#16
Methylene chloride
Concen: 4.827 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 84 Resp: 19834

Ion	Ratio	Lower	Upper
84	100		
86	65.6	45.1	83.7
49	147.1	96.5	179.1



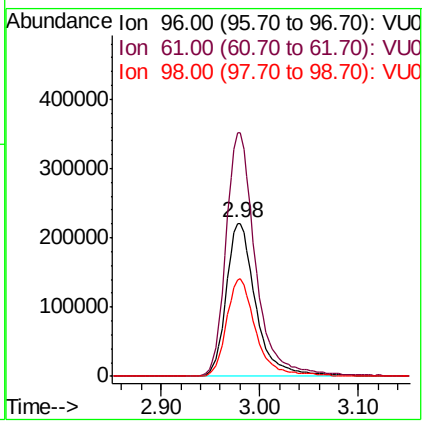


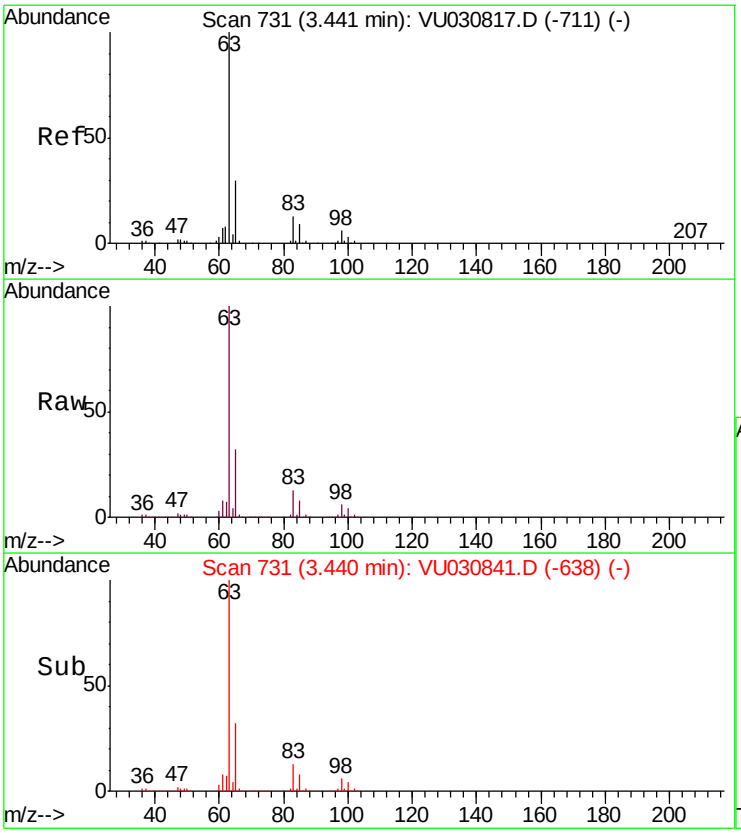
#17
trans-1,2-Dichloroethene
Concen: 127.190 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion: 96 Resp: 456795

Ion	Ratio	Lower	Upper
96	100		
61	159.0	109.5	203.3
98	63.1	44.0	81.6

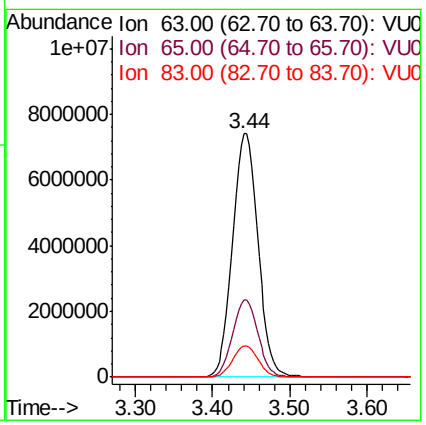


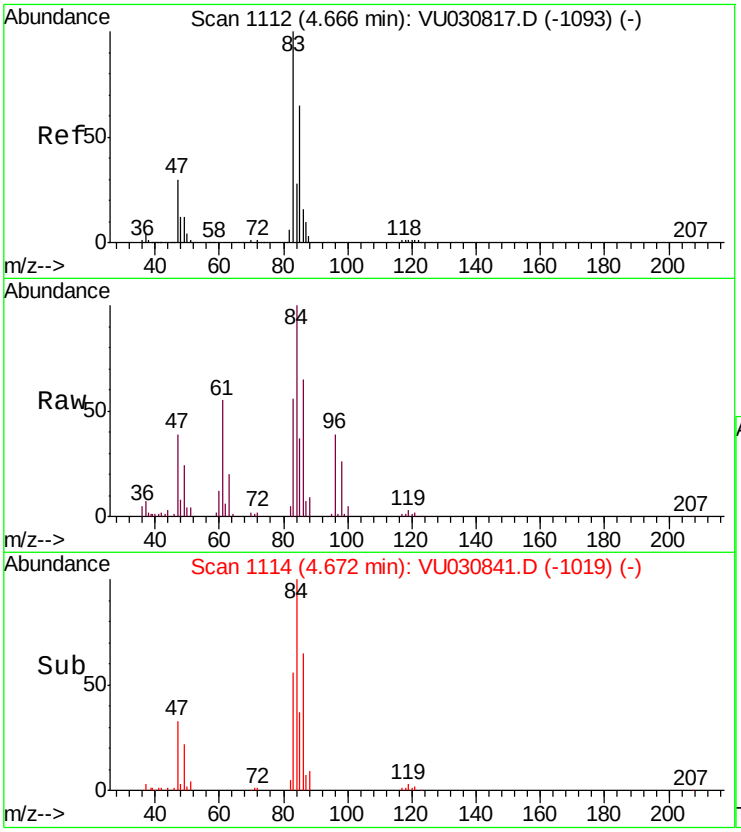


#19
1,1-Dichloroethane
Concen: 2273.843 ug/L
RT: 3.44 min Scan# 731
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 63 Resp:16852842

Ion	Ratio	Lower	Upper
63	100		
65	31.8	21.4	39.8
83	12.8	8.5	15.7



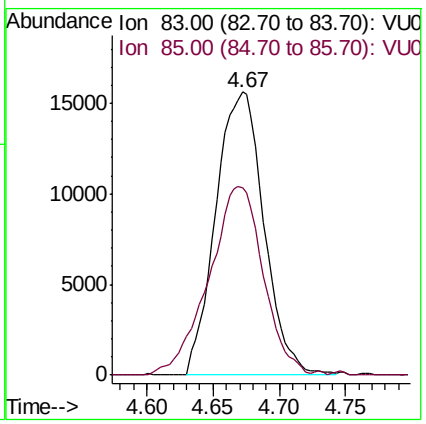


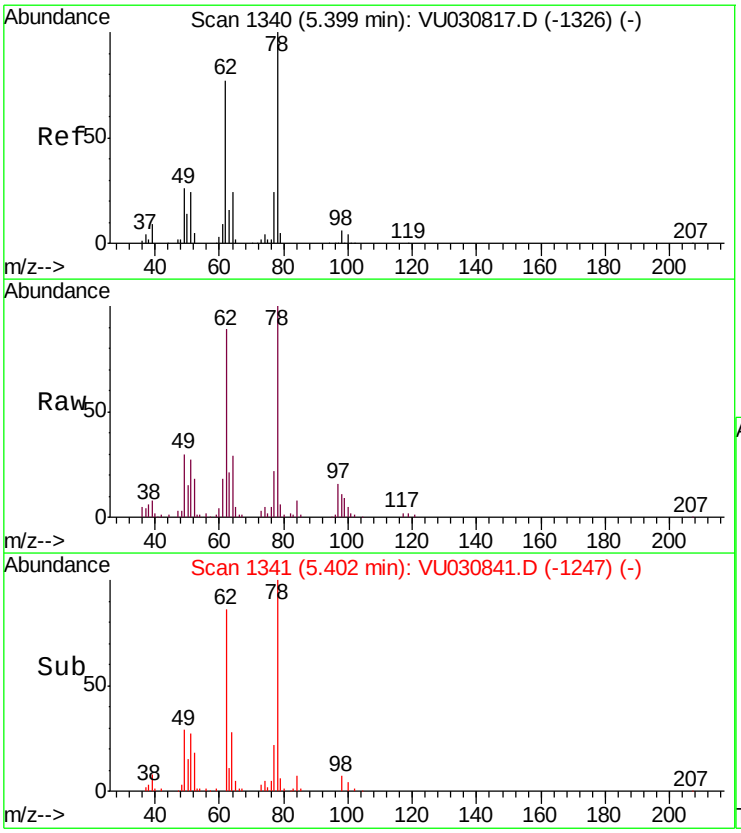
#25
Chloroform
Concen: 5.301 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion: 83 Resp: 39491

Ion	Ratio	Lower	Upper
83	100		
85	66.4	45.8	85.0

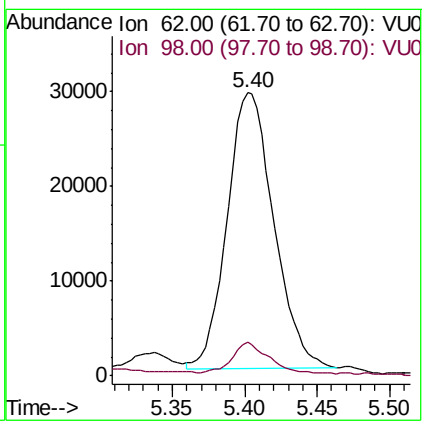


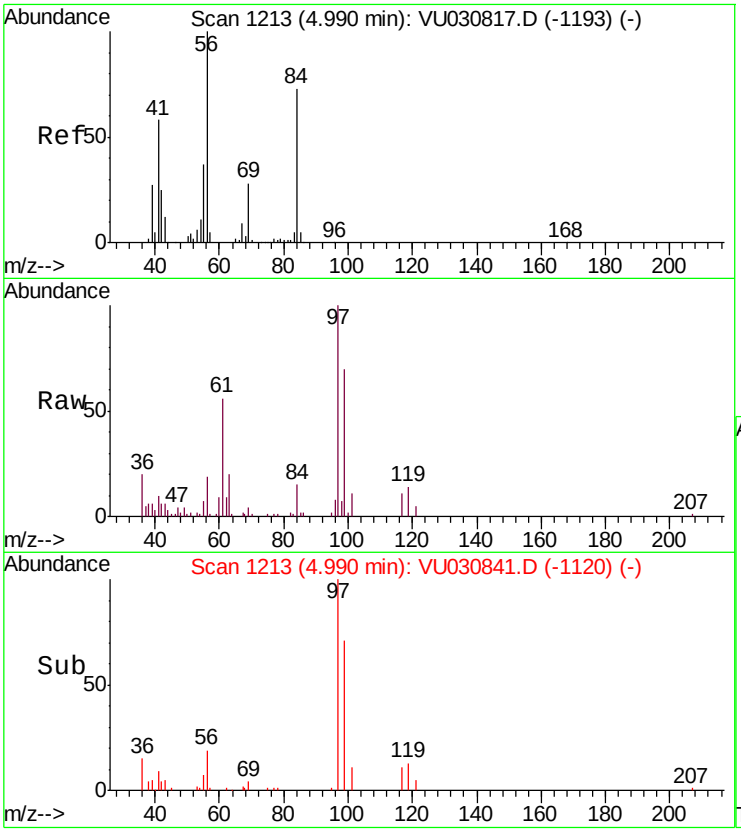


#27
1,2-Dichloroethane
Concen: 11.415 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 62 Resp: 64901

Ion	Ratio	Lower	Upper
62	100		
98	11.9	7.2	10.8#



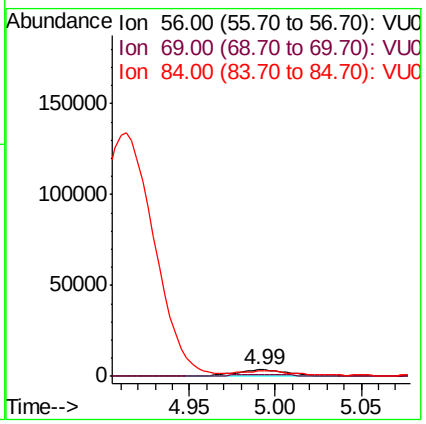


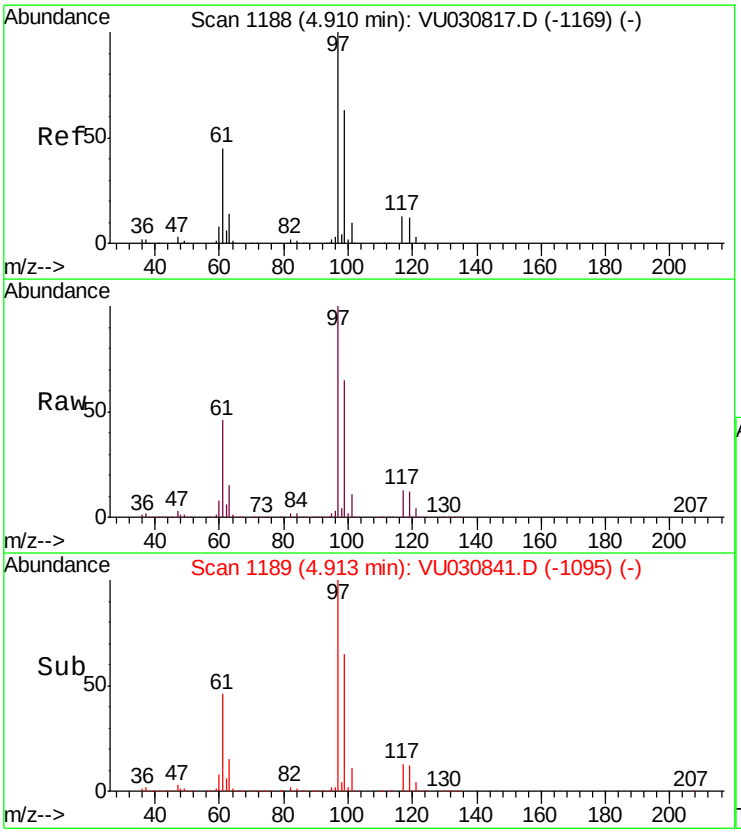
#29
Cyclohexane
Concen: 1.152 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion: 56 Resp: 7859

Ion	Ratio	Lower	Upper
56	100		
69	14.4	22.0	33.0#
84	82.9	58.2	87.2

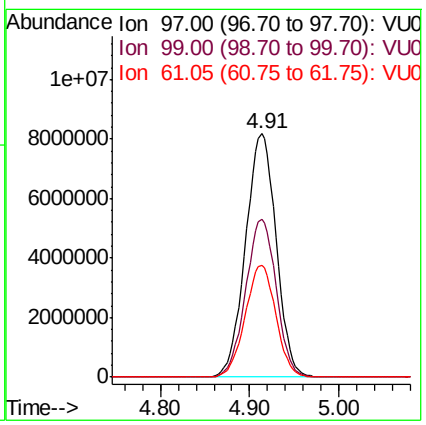


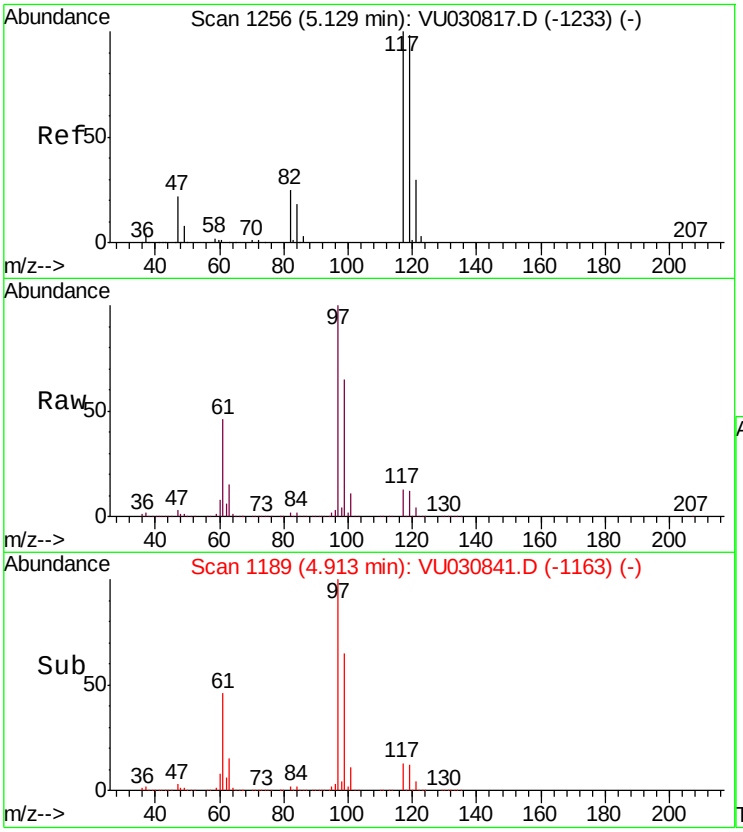


#30
1,1,1-Trichloroethane
Concen: 3341.334 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 97 Resp:19495321

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	45.8	37.1	55.7



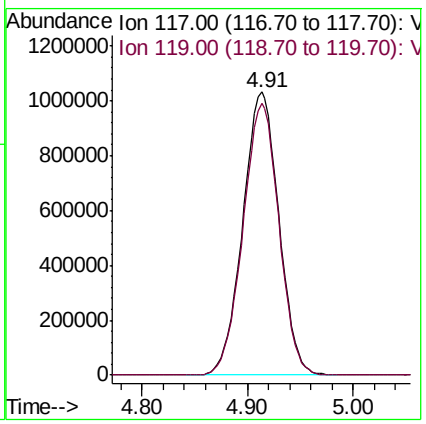


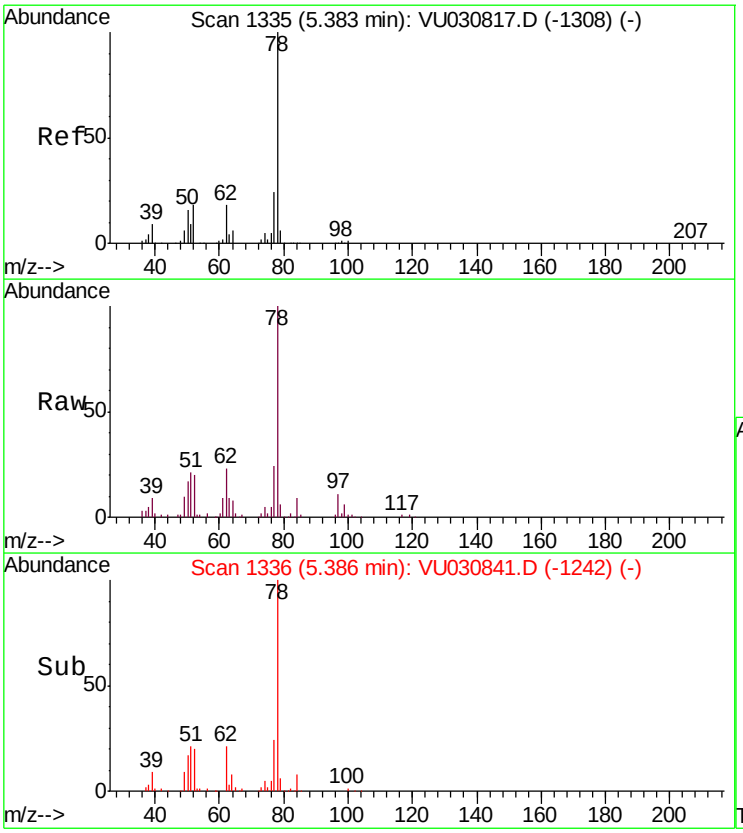
#31
Carbon tetrachloride
Concen: 487.604 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. -0.22 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion:117 Resp: 2451622

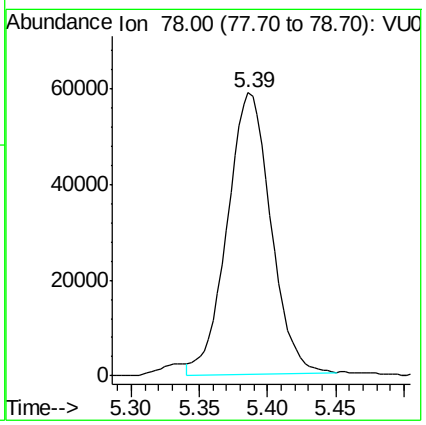
Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.2

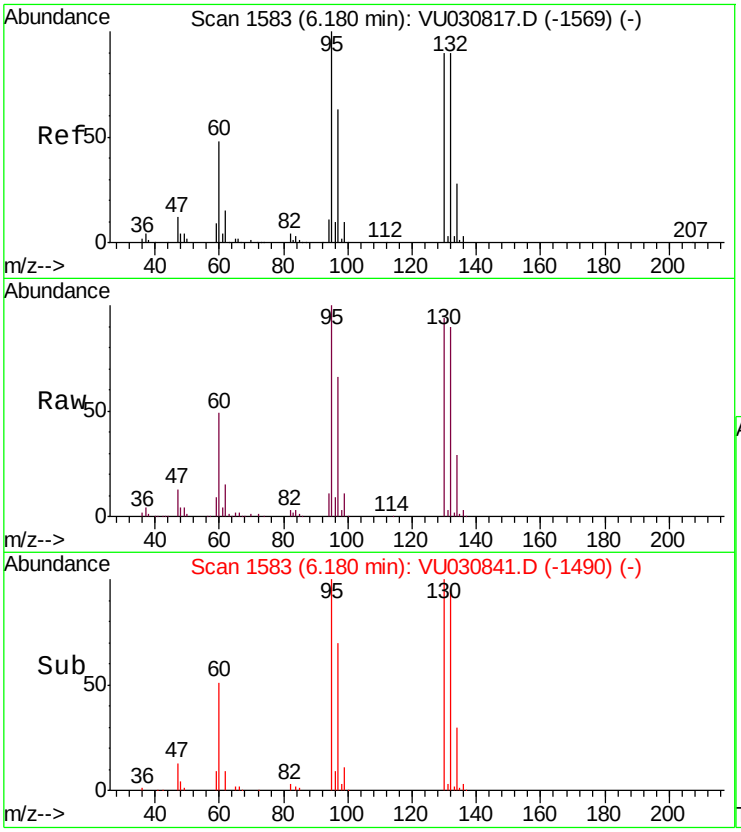




#33
Benzene
Concen: 8.307 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 78 Resp: 130153



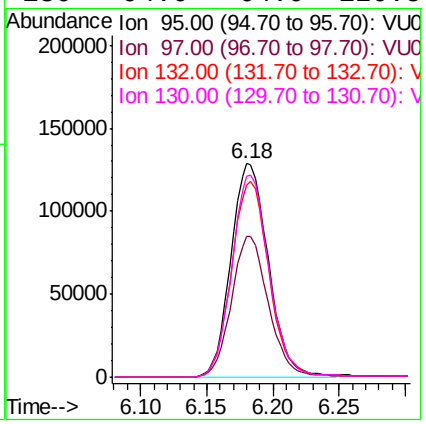


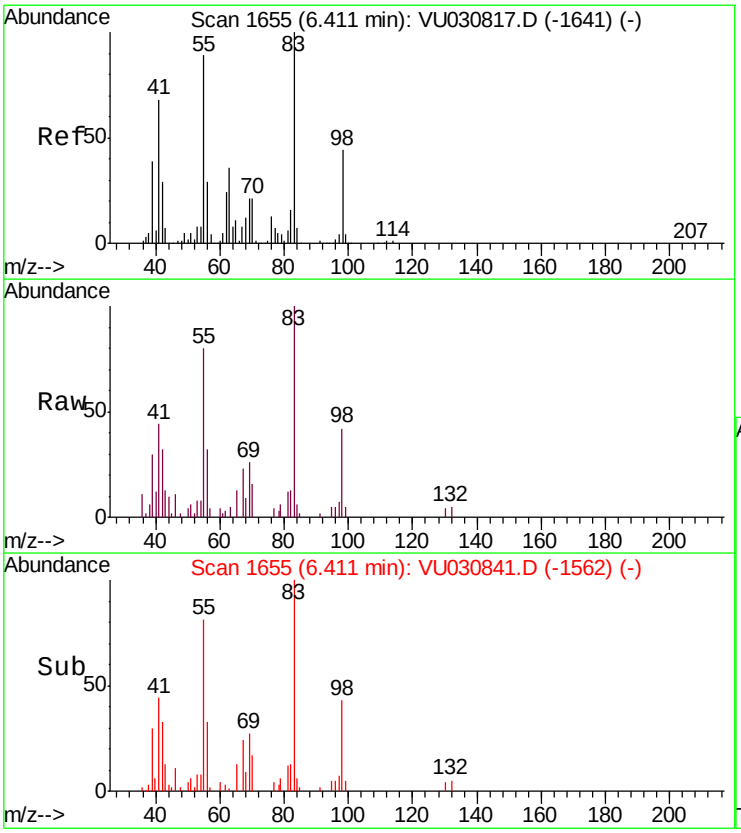
#34
Trichloroethene
Concen: 65.905 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion: 95 Resp: 253246

Ion	Ratio	Lower	Upper
95	100		
97	66.0	44.5	82.7
132	89.8	61.5	114.1
130	94.0	64.9	120.5

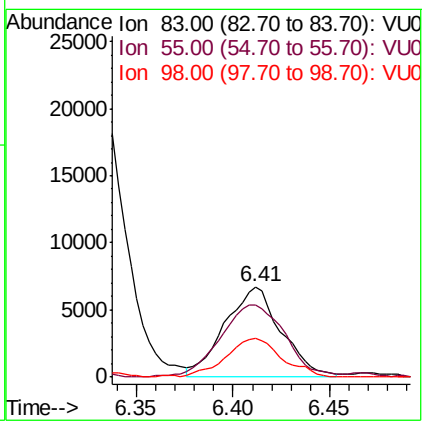


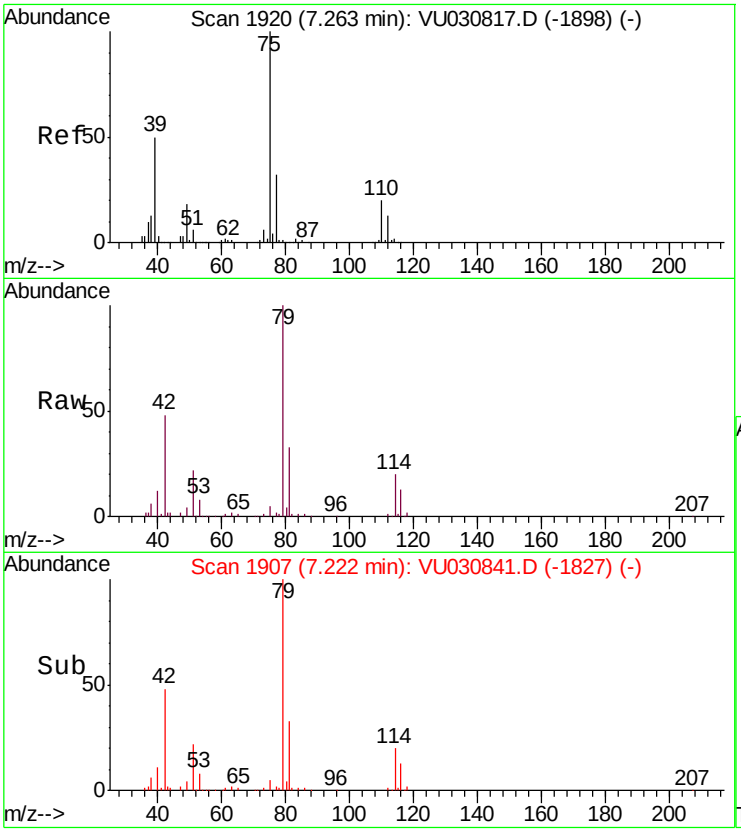


#35
Methylcyclohexane
Concen: 2.305 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 83 Resp: 13668

Ion	Ratio	Lower	Upper
83	100		
55	92.0	71.6	107.4
98	42.1	35.4	53.0



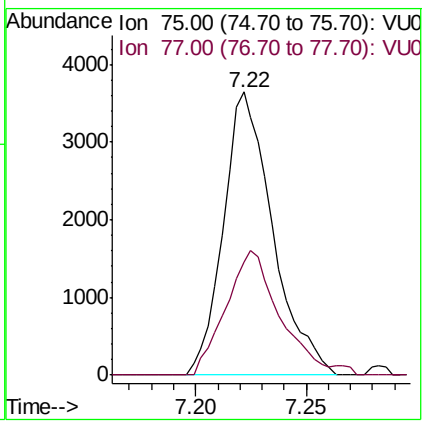


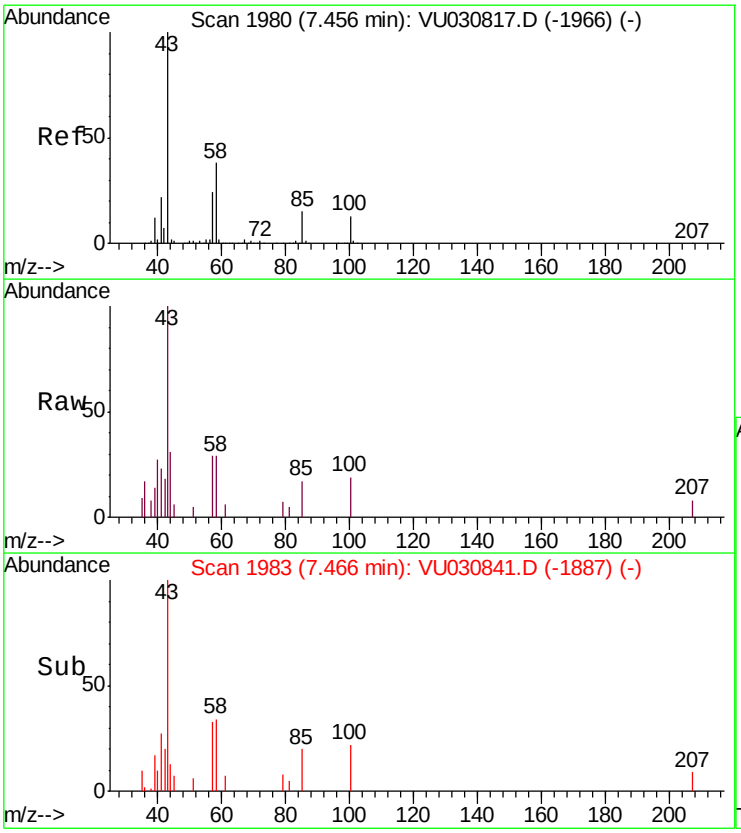
#39
cis-1,3-Dichloropropene
Concen: 0.896 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.04 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion: 75 Resp: 5657

Ion	Ratio	Lower	Upper
75	100		
77	40.2	23.1	42.9

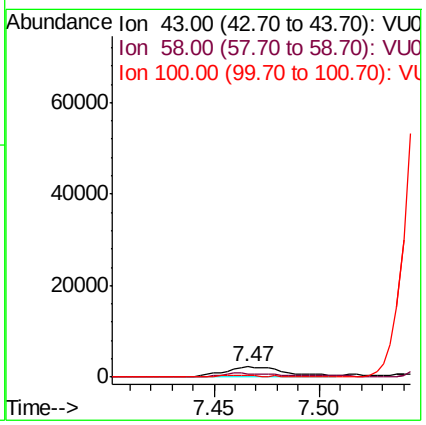


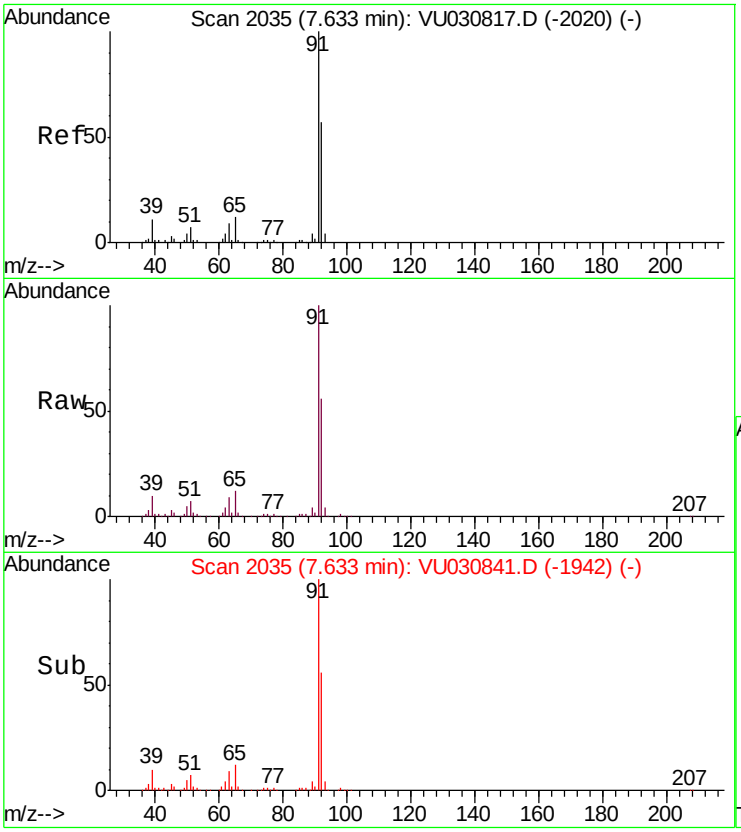


#40
4-Methyl-2-pentanone
Concen: 0.659 ug/L
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 43 Resp: 4698

Ion	Ratio	Lower	Upper
43	100		
58	18.6	29.7	44.5#
100	10.6	9.8	14.6



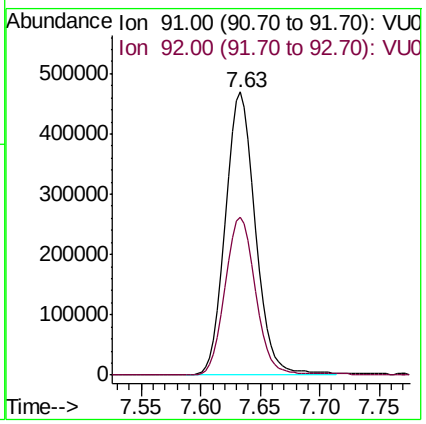


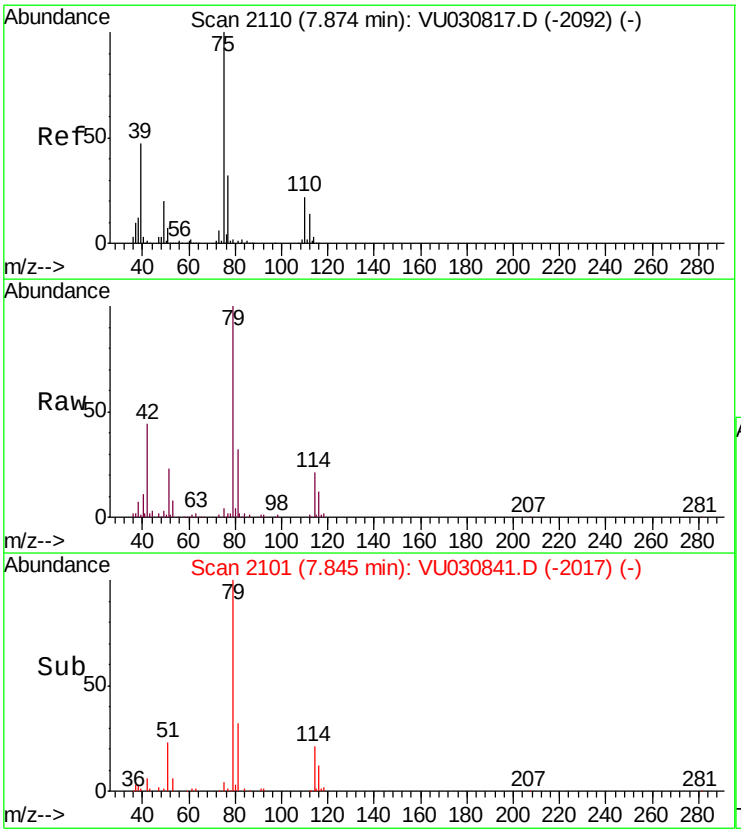
#42
Toluene
Concen: 51.501 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion: 91 Resp: 823616

Ion	Ratio	Lower	Upper
91	100		
92	56.0	40.0	74.4

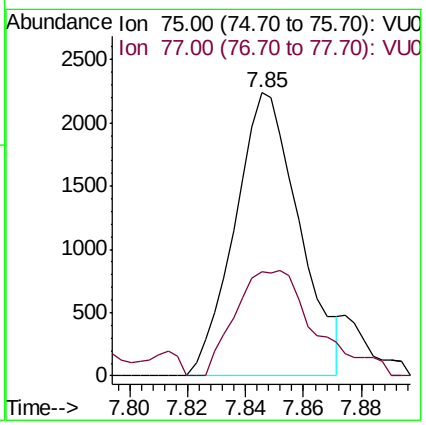


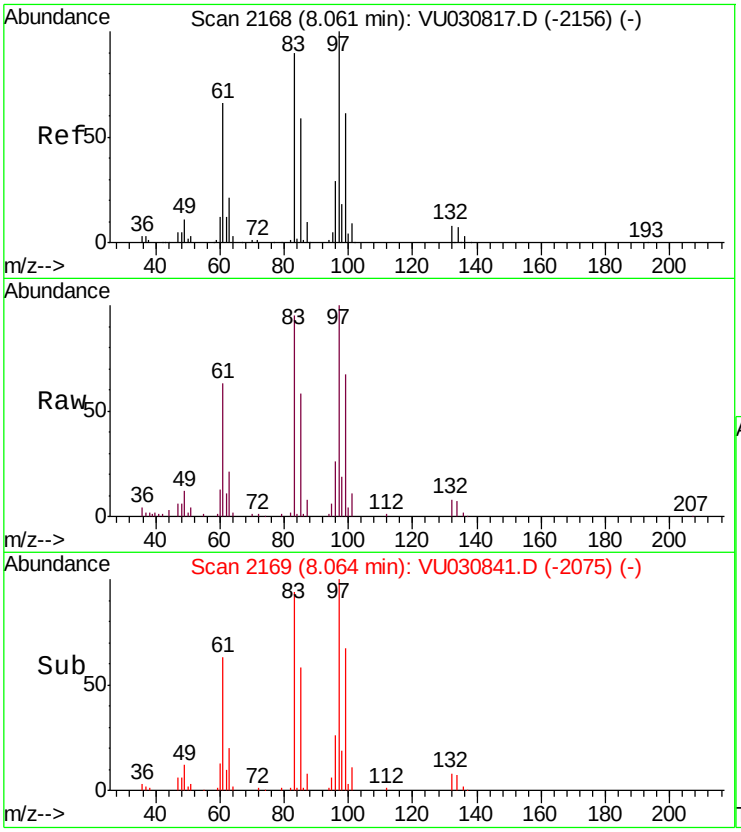


#44
trans-1,3-Dichloropropene
Concen: 0.620 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 75 Resp: 3451

Ion	Ratio	Lower	Upper
75	100		
77	36.7	21.6	40.0



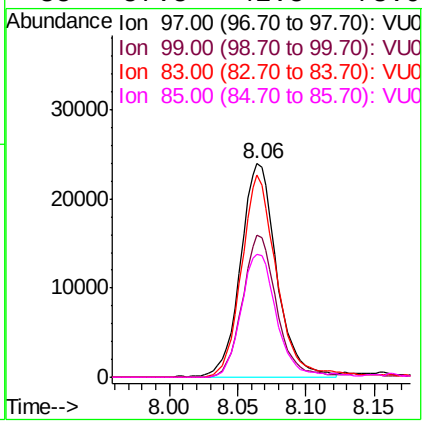


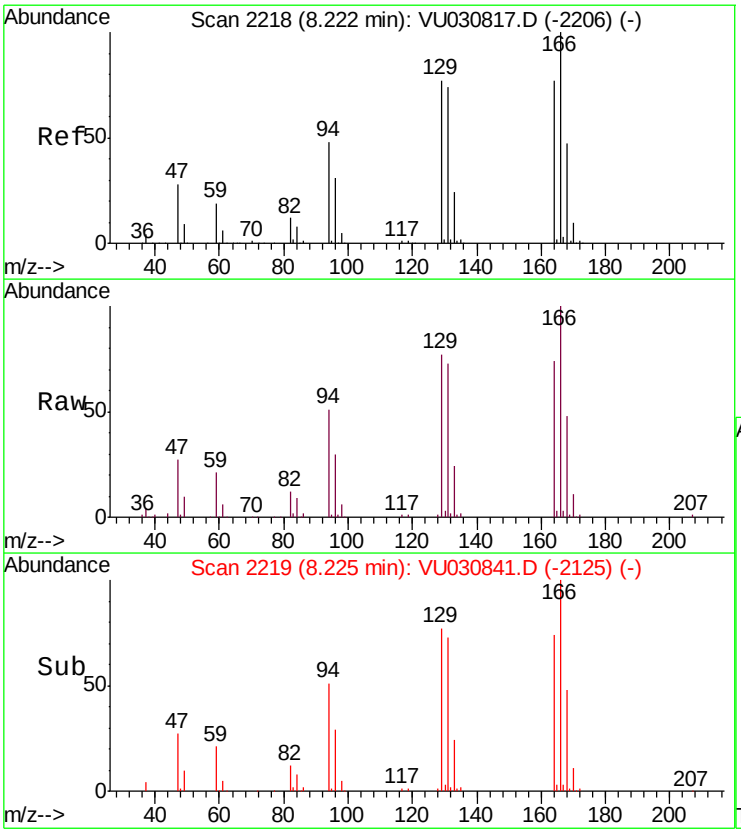
#45
1,1,2-Trichloroethane
Concen: 11.720 ug/L
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion: 97 Resp: 44097

Ion	Ratio	Lower	Upper
97	100		
99	66.5	44.0	81.8
83	94.8	65.3	121.3
85	57.5	42.5	78.9

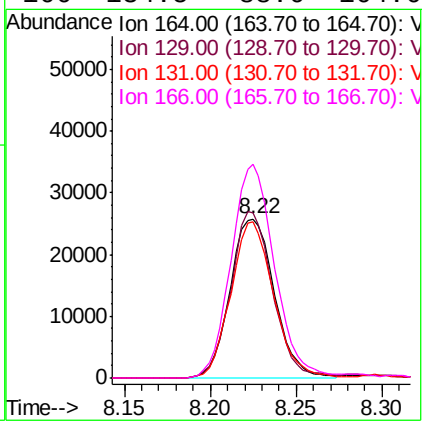


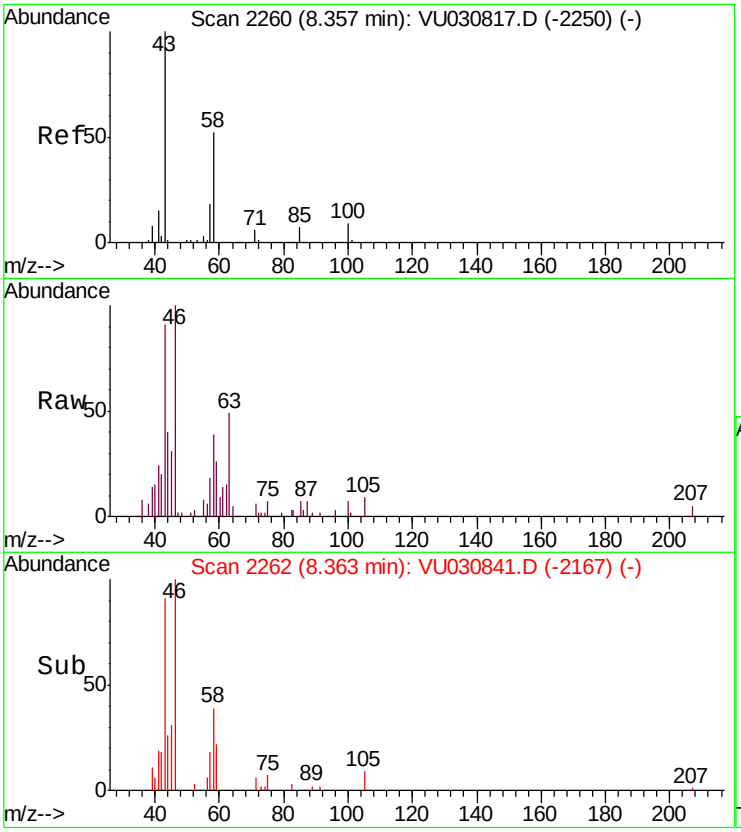


#46
Tetrachloroethene
Concen: 16.486 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion:164 Resp: 46057

Ion	Ratio	Lower	Upper
164	100		
129	104.1	67.4	125.2
131	98.6	65.9	122.5
166	134.5	88.6	164.6



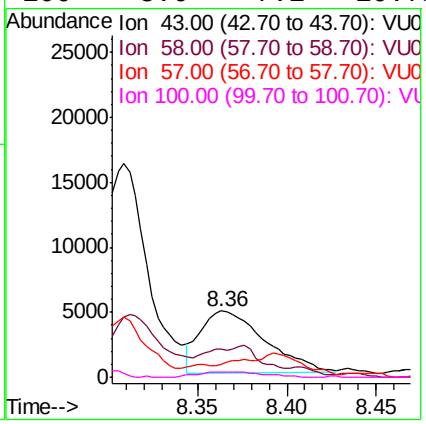


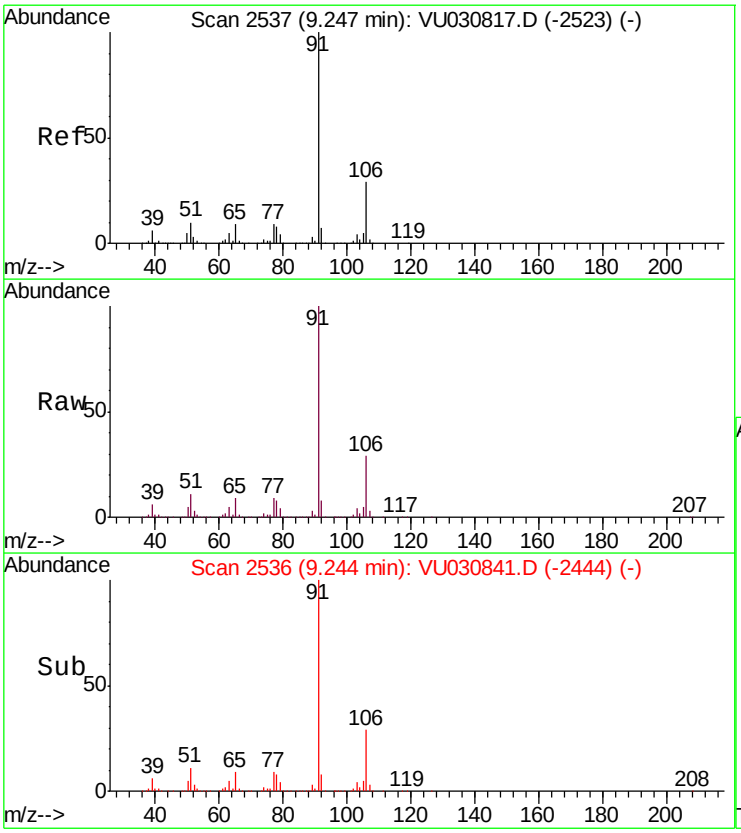
#48
2-Hexanone
Concen: 2.185 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion: 43 Resp: 12164

Ion	Ratio	Lower	Upper
43	100		
58	19.0	41.9	62.9#
57	4.9	14.3	21.5#
100	3.6	7.1	10.7#

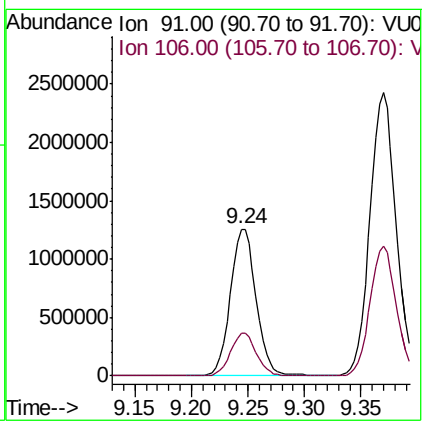


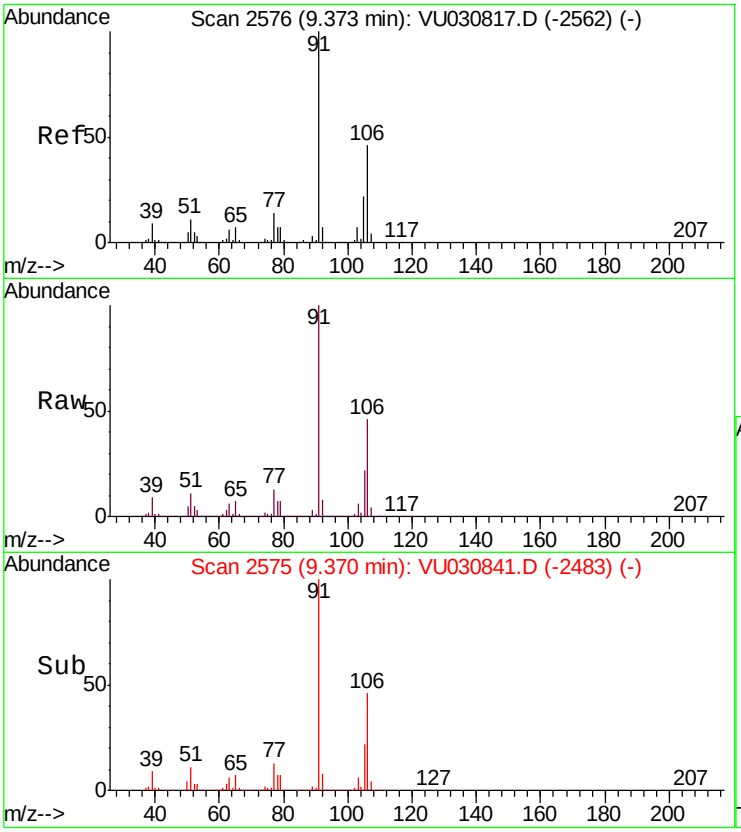


#52
Ethylbenzene
Concen: 114.809 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 91 Resp: 2001361

Ion	Ratio	Lower	Upper
91	100		
106	29.0	20.4	37.8



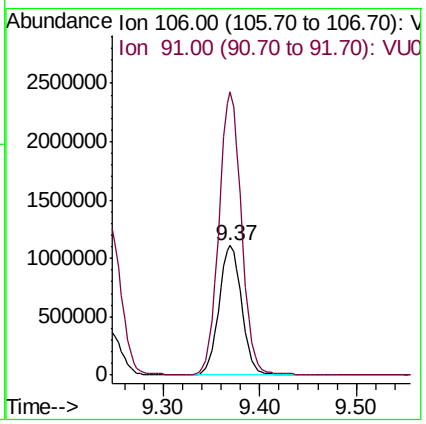


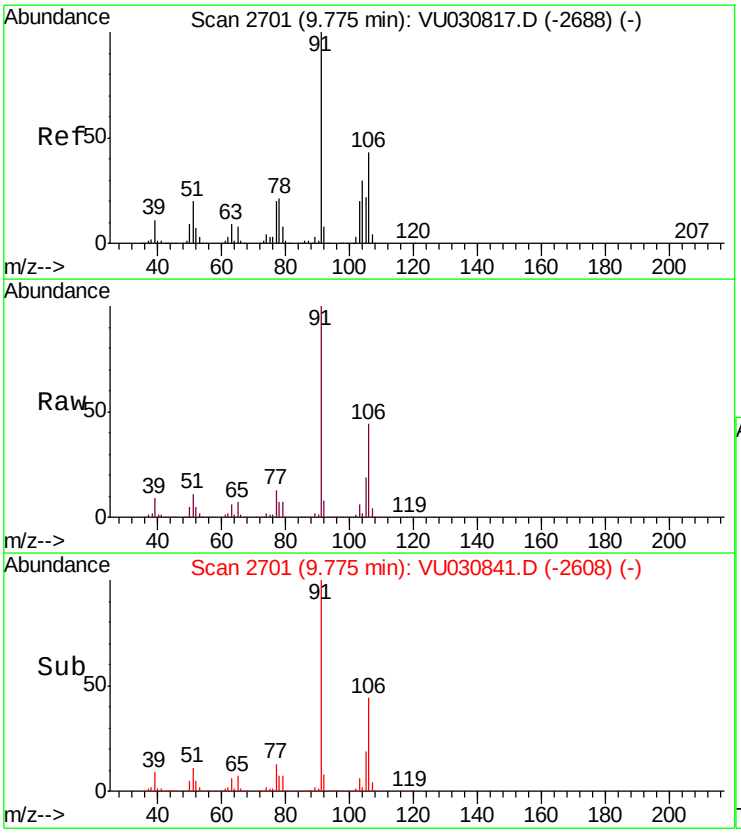
#53
m,p-Xylene
Concen: 297.732 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion:106 Resp: 1810130

Ion	Ratio	Lower	Upper
106	100		
91	218.9	148.0	274.8

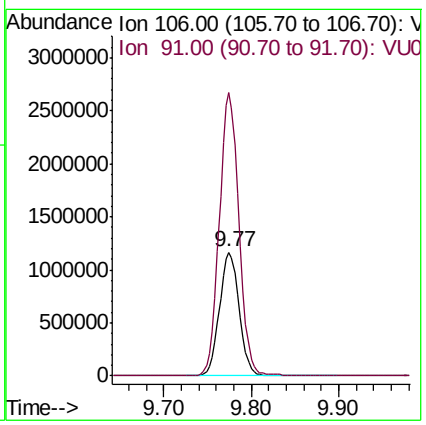


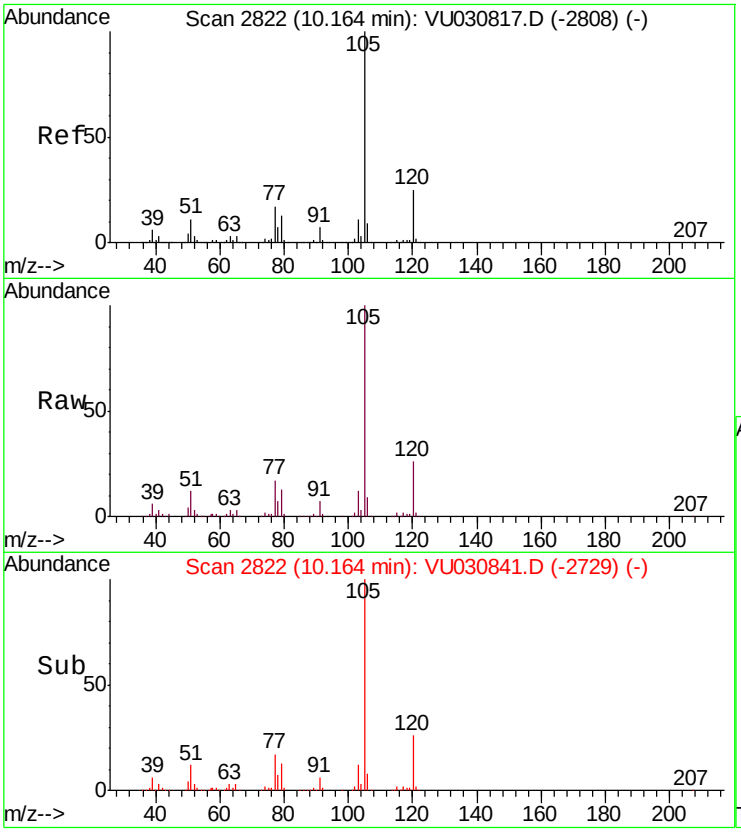


#54
o-xylene
Concen: 301.030 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion:106 Resp: 1820456

Ion	Ratio	Lower	Upper
106	100		
91	229.4	156.7	290.9



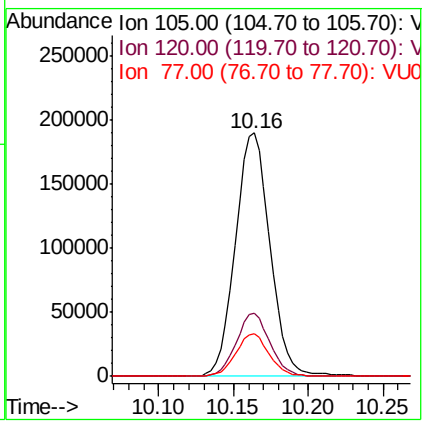


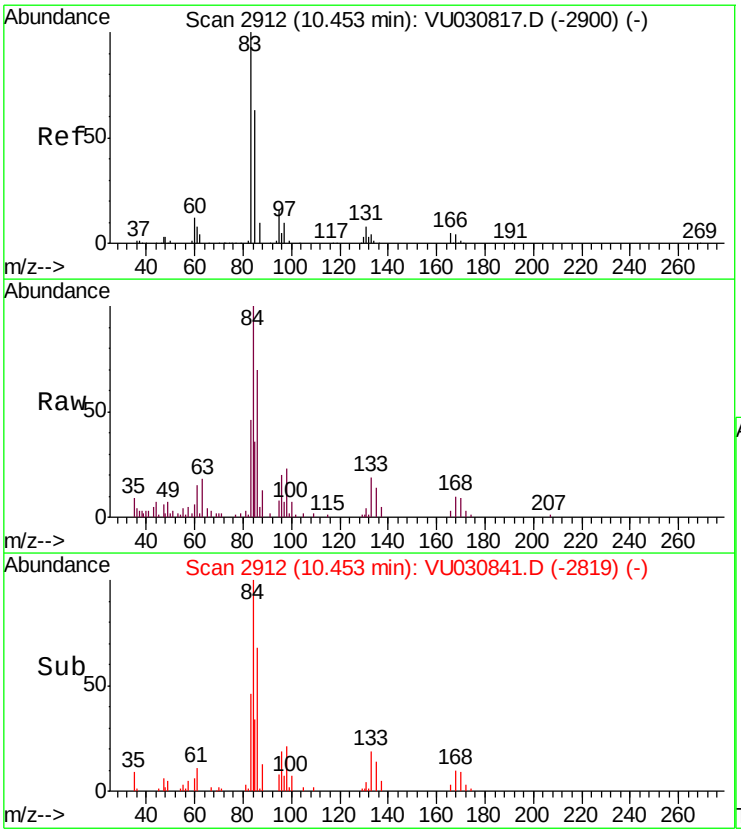
#56
Isopropylbenzene
Concen: 19.215 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument : MSVOA_U
ClientSampleId : E3YE7

Tgt Ion:105 Resp: 305942

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.4	30.6
77	16.9	13.4	20.2

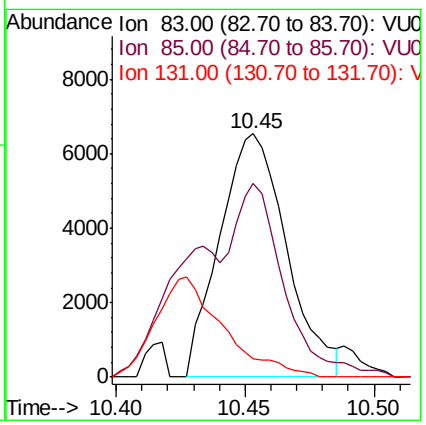


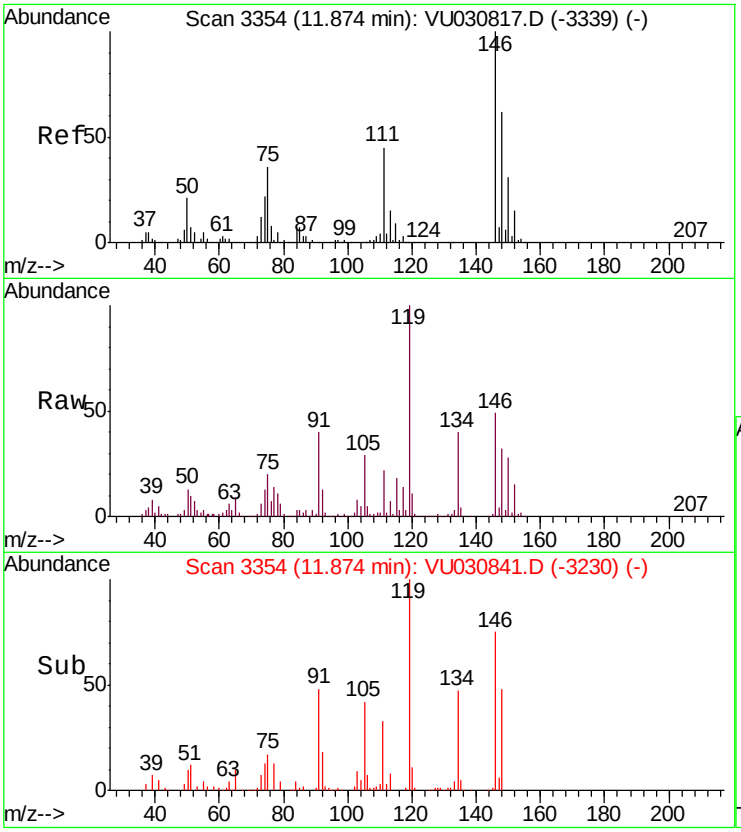


#58
1,1,2,2-Tetrachloroethane
Concen: 1.737 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 83 Resp: 11818

Ion	Ratio	Lower	Upper
83	100		
85	79.4	45.3	84.1
131	7.8	6.7	10.1



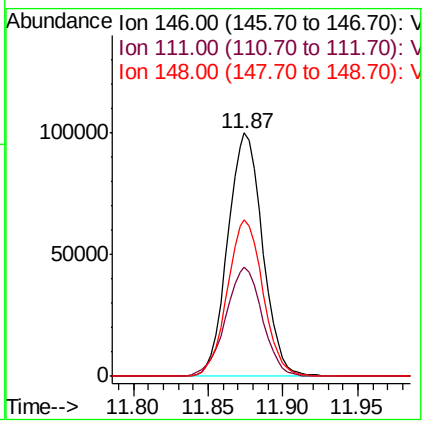


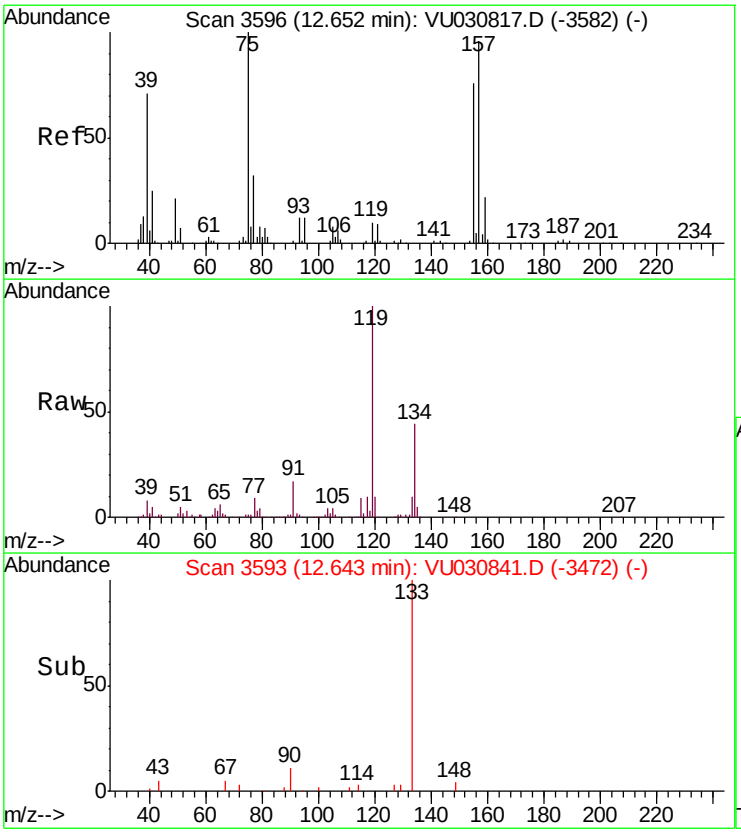
#65
1,2-Dichlorobenzene
Concen: 21.931 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion:146 Resp: 161919

Ion	Ratio	Lower	Upper
146	100		
111	44.9	34.9	52.3
148	64.4	50.4	75.6

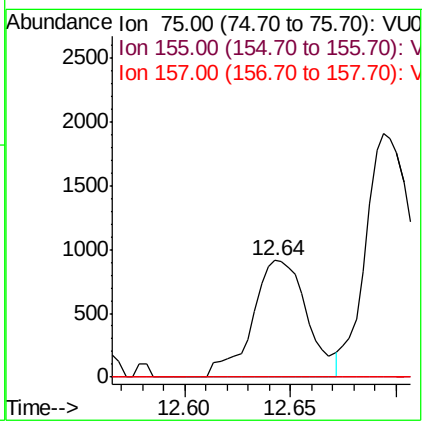


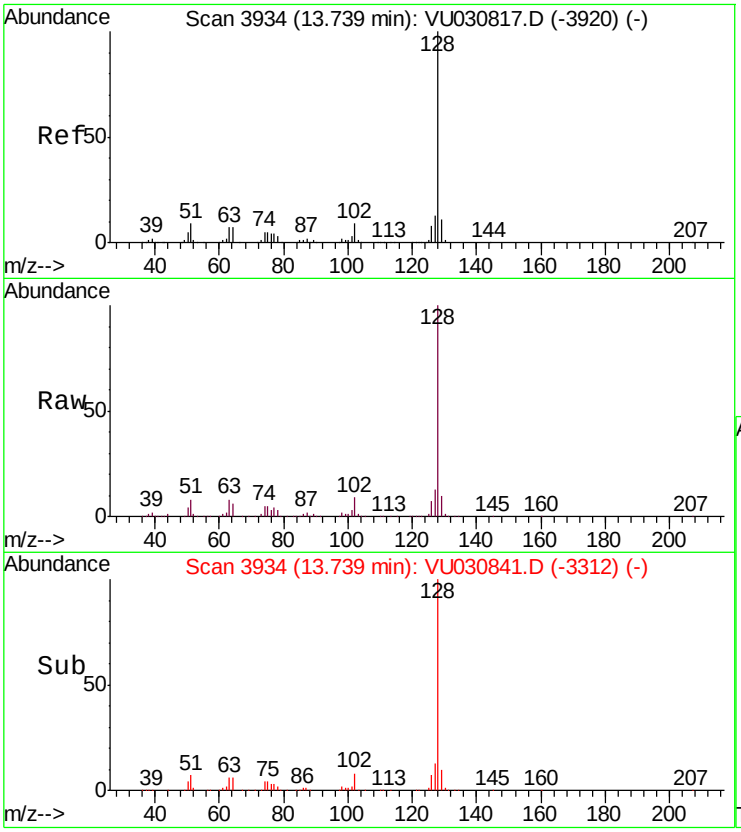


#66
1,2-Dibromo-3-chloropropane
Concen: 1.050 ug/L
RT: 12.64 min Scan# 3593
Delta R.T. -0.01 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Tgt Ion: 75 Resp: 1648

Ion	Ratio	Lower	Upper
75	100		
155	0.0	64.1	96.1#
157	0.0	80.6	120.8#





#69
Naphthalene
Concen: 33.043 ug/L
RT: 13.74 min Scan# 3934
Delta R.T. -0.00 min
Lab File: VU030841.D
Acq: 07 Apr 2019 07:13

Instrument :
MSVOA_U
ClientSampleId :
E3YE7

Tgt Ion:128 Resp: 489894

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.4	8.6	12.8