Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\

Quantitation Report (Not Reviewed)

Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Time: Oct 18 05:42:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 05:36:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	358185	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	341184	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	159601	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	144785	6.63	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 132.60%#			
7) Chloroethane-d5	1.93	69	104285	5.22	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 104.40%			
11) 1,1-Dichloroethene-d2	2.60	63	187521	4.64	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 92.80%			
20) 2-Butanone-d5	4.71	46	301421	48.02	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 96.04%			
24) Chloroform-d	5.11	84	191081	4.79	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.80%			
26) 1,2-Dichloroethane-d4	5.75	65	113103	5.11	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 102.20%			
32) Benzene-d6	5.77	84	411333	5.27	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 105.40%			
36) 1,2-Dichloropropane-d6	6.74	67	132791	5.36	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 107.20%			
41) Toluene-d8	7.93	98	393016	5.27	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 105.40%			
43) trans-1,3-Dichloropropene-	8.22	79	54349	4.52	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 90.40%			
46) 2-Hexanone-d5	8.68	63	260085	49.05	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 98.10%			
57) 1,1,2,2-Tetrachloroethane-	10.79	84	109294	4.95	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.00%			
64) 1,2-Dichlorobenzene-d4	12.22	152	152079	5.23	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 104.60%			

Target Compounds						Qvalue
3) Chloromethane	1.60	50	84463	2.793	ug/L #	77
5) Vinyl chloride	1.62	62	3991522	128.525	ug/L	99
8) Chloroethane	1.95	64	27572	1.377	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2964	0.124	ug/L #	66
12) 1,1-Dichloroethene	2.61	96	60354	2.623	ug/L #	72
13) Acetone	2.68	43	6332	1.450	ug/L	82
15) Methyl Acetate	2.99	43	12704	1.168	ug/L #	50
16) Methylene chloride	3.08	84	4231	0.153	ug/L	94
17) Methyl tert-butyl Ether	3.43	73	8724	0.141	ug/L #	1
18) trans-1,2-Dichloroethene	3.39	96	862044	34.712	ug/L	95
19) 1,1-Dichloroethane	3.92	63	43108	0.960	ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	5158432	187.930	ug/L	100
25) Chloroform	5.14	83	11738	0.238	ug/L	98
27) 1,2-Dichloroethane	5.84	62	9436	0.312	ug/L	96
30) Cyclohexane	5.43	56	5921	0.138	ug/L #	94
33) Benzene	5.82	78	252801	2.518	ug/L	100
34) Trichloroethene	6.58	95	256001	9.485	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\

Quantitation Report (Not Reviewed)

Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Time: Oct 18 05:42:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 05:36:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Methylcyclohexane	6.80	83	6220	0.138	ug/L	#	68
39) cis-1,3-Dichloropropene	7.61	75	4061	0.095	ug/L	#	24
42) Toluene	8.01	91	496613	4.481	ug/L		99
45) 1,1,2-Trichloroethane	8.44	97	2038	0.108	ug/L		95
48) 2-Hexanone	8.74	43	14324	1.187	ug/L	#	84
51) Chlorobenzene	9.48	112	7219	0.101	ug/L		92
52) Ethylbenzene	9.60	91	146646	1.164	ug/L		98
53) m,p-Xylene	9.72	106	94925	1.995	ug/L		98
54) o-Xylene	10.13	106	78826	1.697	ug/L		99
55) Styrene	10.13	104	5294	0.070	ug/L	#	1
56) Isopropylbenzene	10.51	105	10266	0.082	ug/L	#	90
59) 1,2,3-Trichloropropane	10.13	75	2236	0.126	ug/L	#	1
66) 1,2-Dibromo-3-chloropropan	13.05	75	1883	0.521	ug/L	#	1
69) Naphthalene	14.11	128	19517	0.633	ug/L		98

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

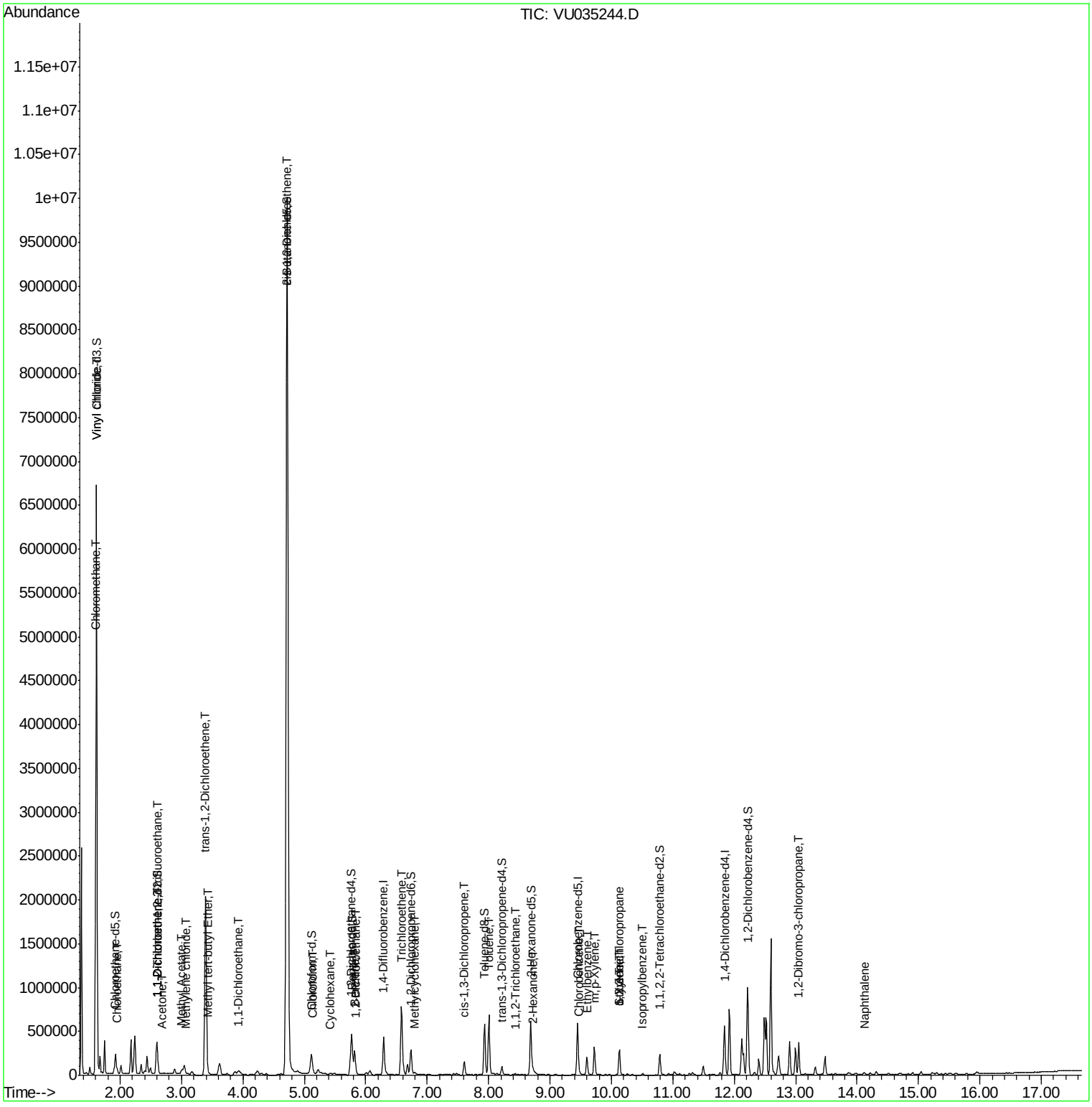
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\

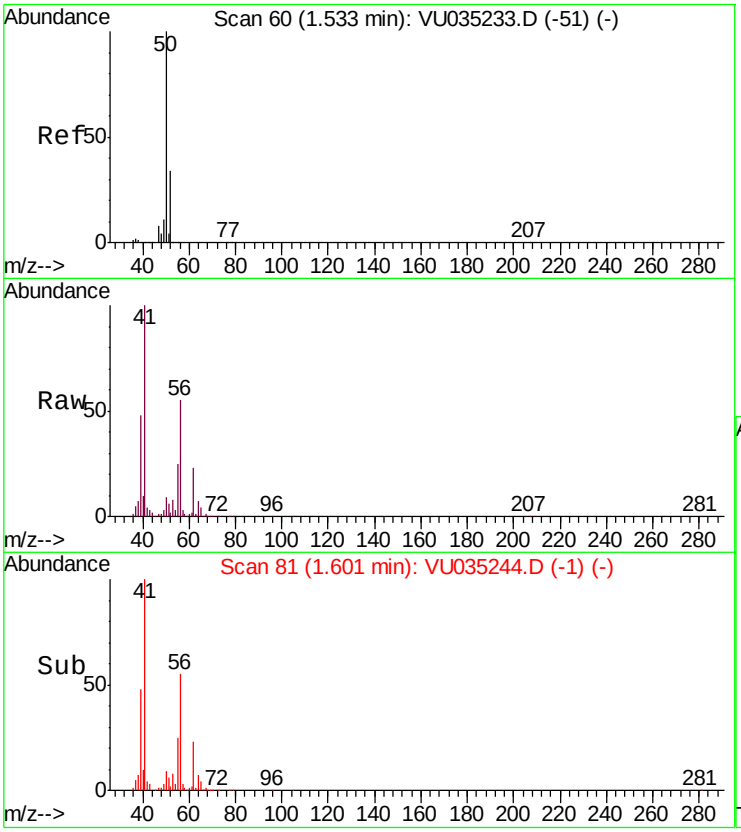
Quantitation Report (Not Reviewed)

Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FY9

Quant Time: Oct 18 05:42:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 05:36:44 2019
Response via : Initial Calibration



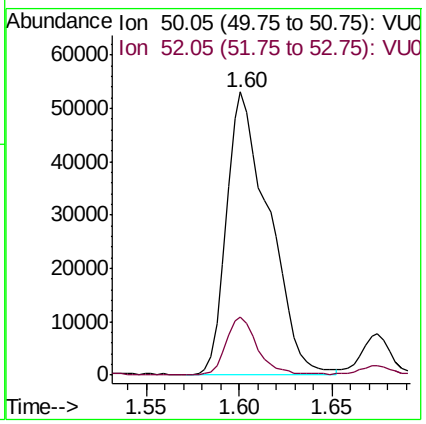


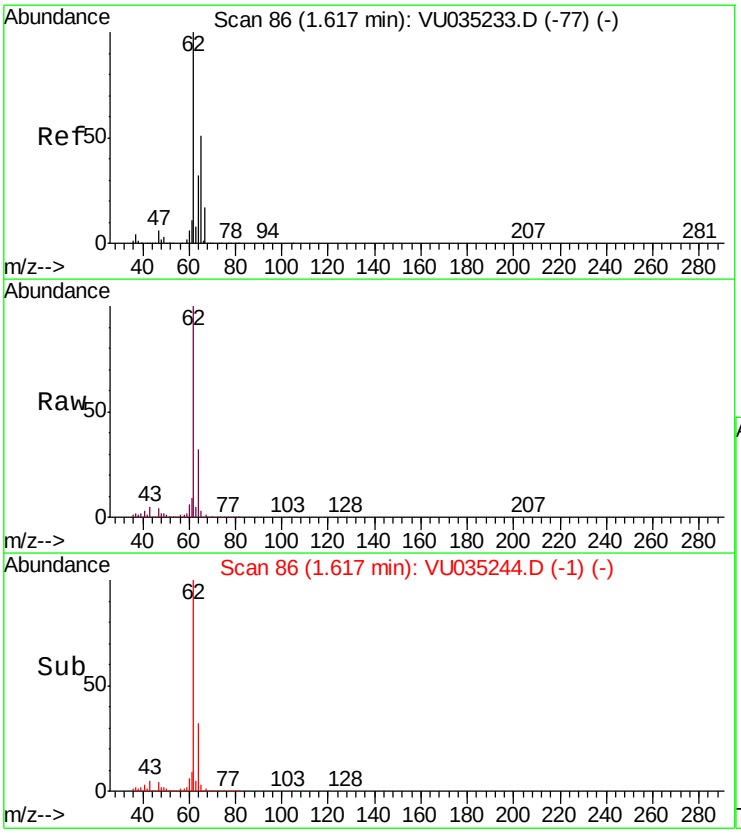
#3
Chloromethane
Concen: 2.793 ug/L
RT: 1.60 min Scan# 81
Delta R.T. 0.07 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument : MSVOA_U
ClientSampleId : H0FY9

Tgt Ion: 50 Resp: 84463

Ion	Ratio	Lower	Upper
50	100		
52	20.5	23.5	43.7#

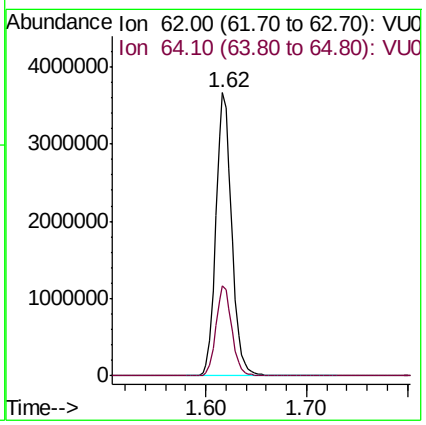


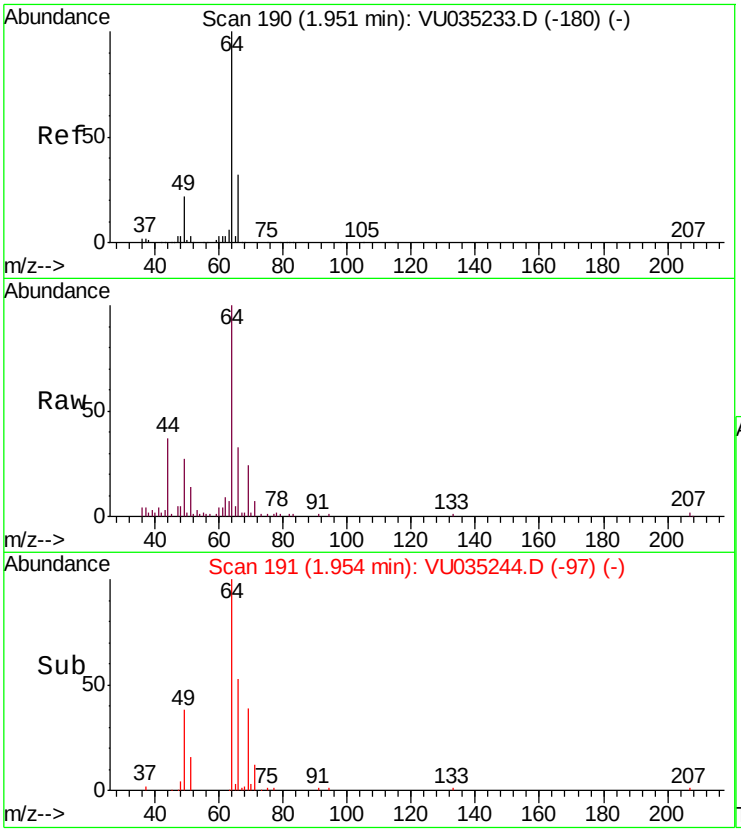


#5
Vinyl chloride
Concen: 128.525 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 62 Resp: 3991522

Ion	Ratio	Lower	Upper
62	100		
64	31.9	22.9	42.5



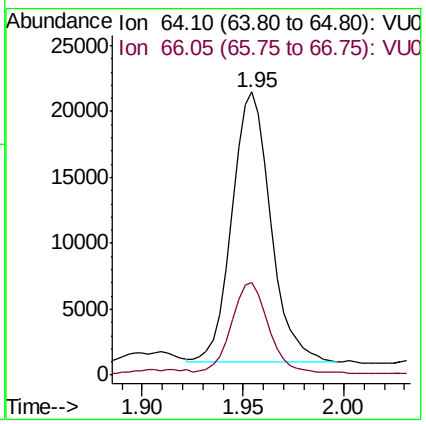


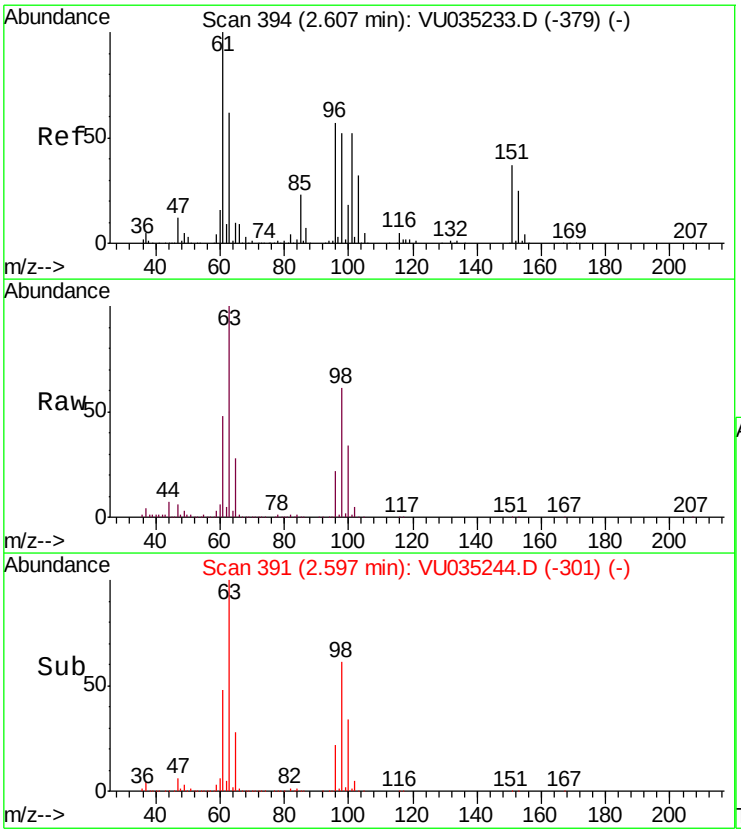
#8
Chloroethane
Concen: 1.377 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument :
MSVOA_U
ClientSampleId :
H0FY9

Tgt Ion: 64 Resp: 27572

Ion	Ratio	Lower	Upper
64	100		
66	32.6	22.7	42.1

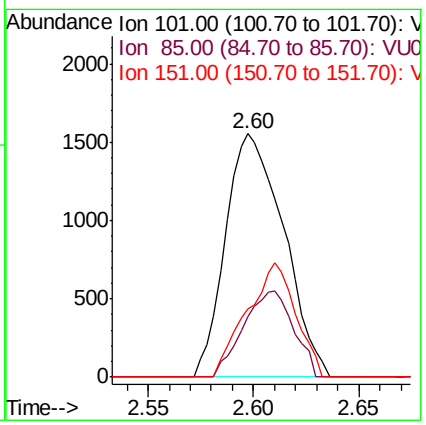


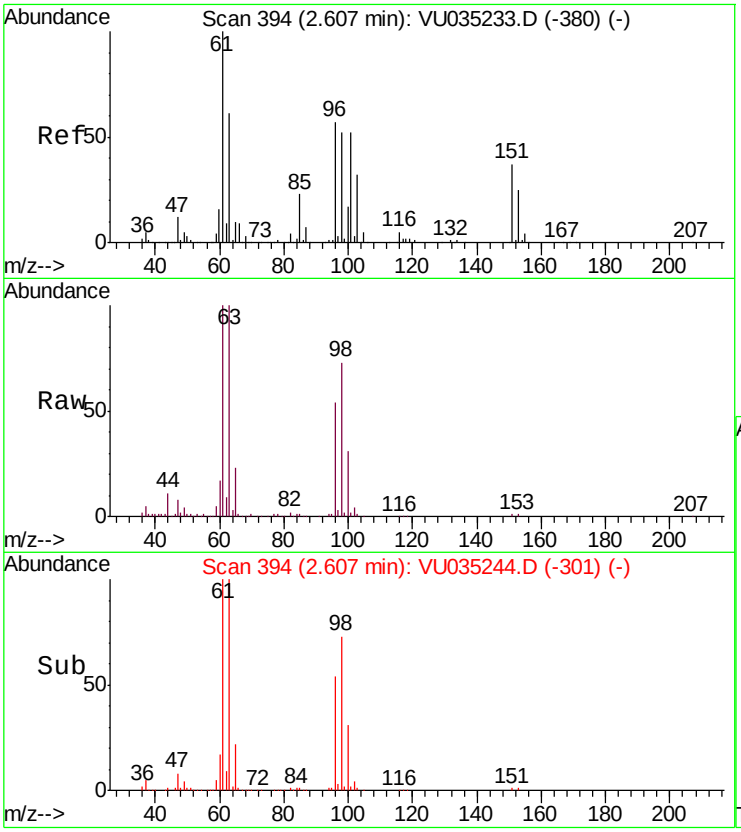


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.124 ug/L
RT: 2.60 min Scan# 391
Delta R.T. -0.01 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion:101 Resp: 2964

Ion	Ratio	Lower	Upper
101	100		
85	30.5	33.9	50.9#
151	39.7	61.0	91.4#



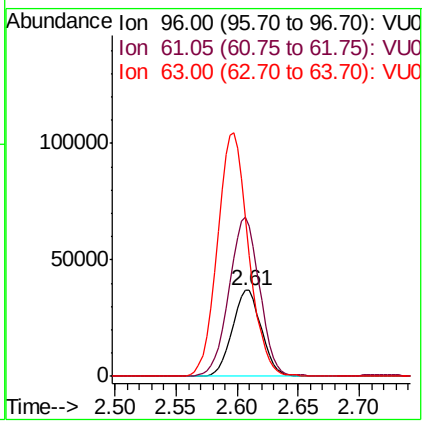


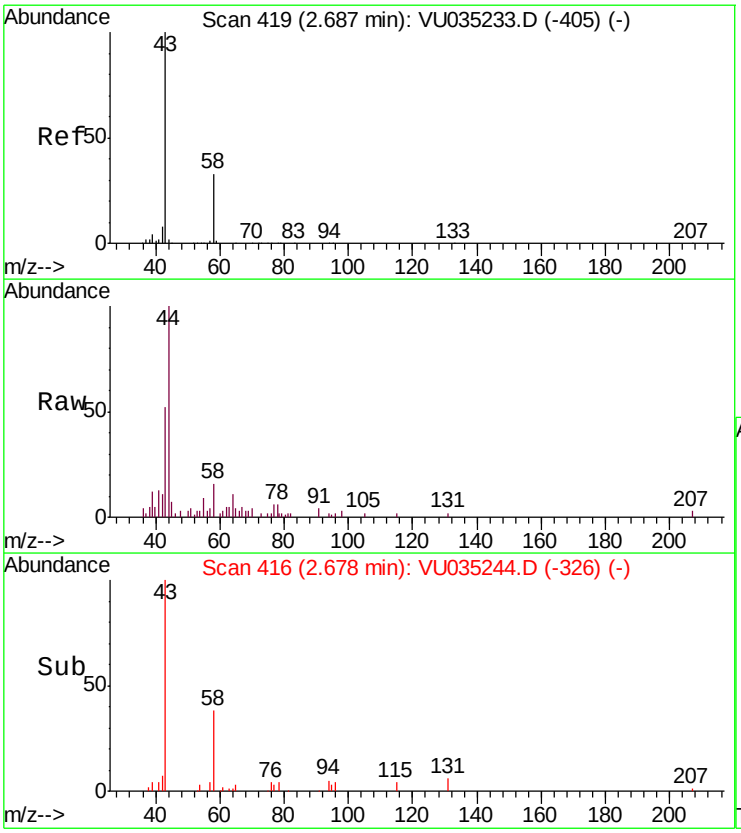
#12
1,1-Dichloroethene
Concen: 2.623 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument : MSVOA_U
ClientSampleId : H0FY9

Tgt Ion: 96 Resp: 60354

Ion	Ratio	Lower	Upper
96	100		
61	185.1	120.6	224.0
63	184.5	86.8	161.2#

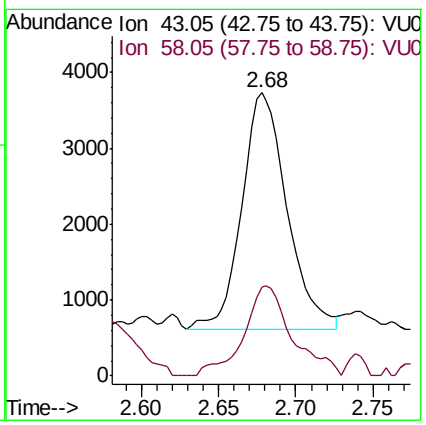


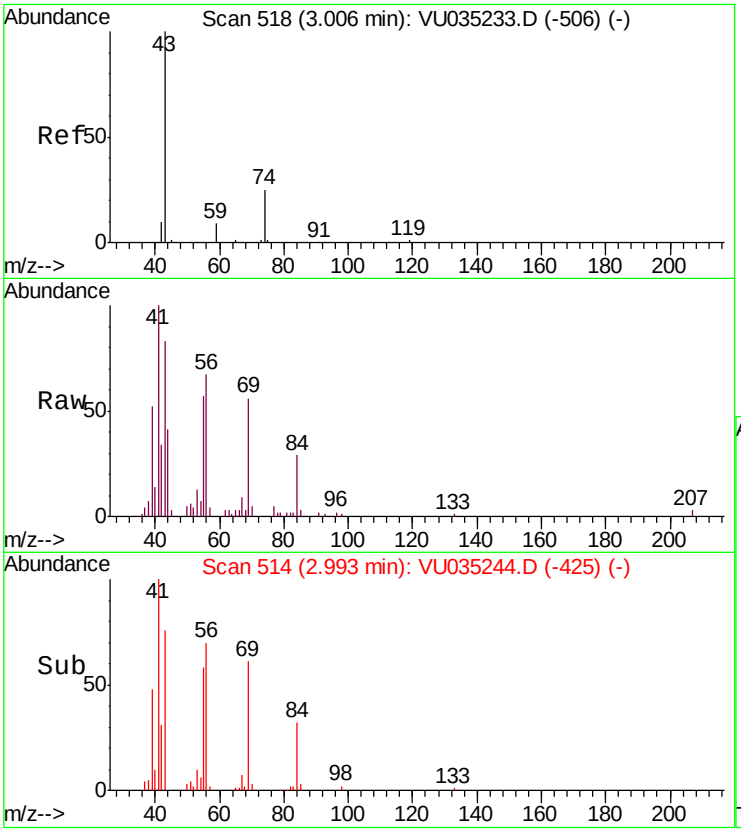


#13
Acetone
Concen: 1.450 ug/L
RT: 2.68 min Scan# 416
Delta R.T. -0.01 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 43 Resp: 6332

Ion	Ratio	Lower	Upper
43	100		
58	40.6	0.0	61.8



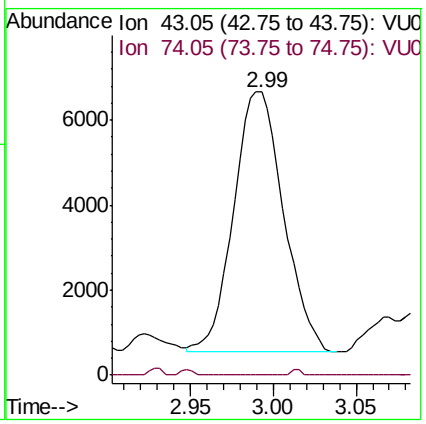


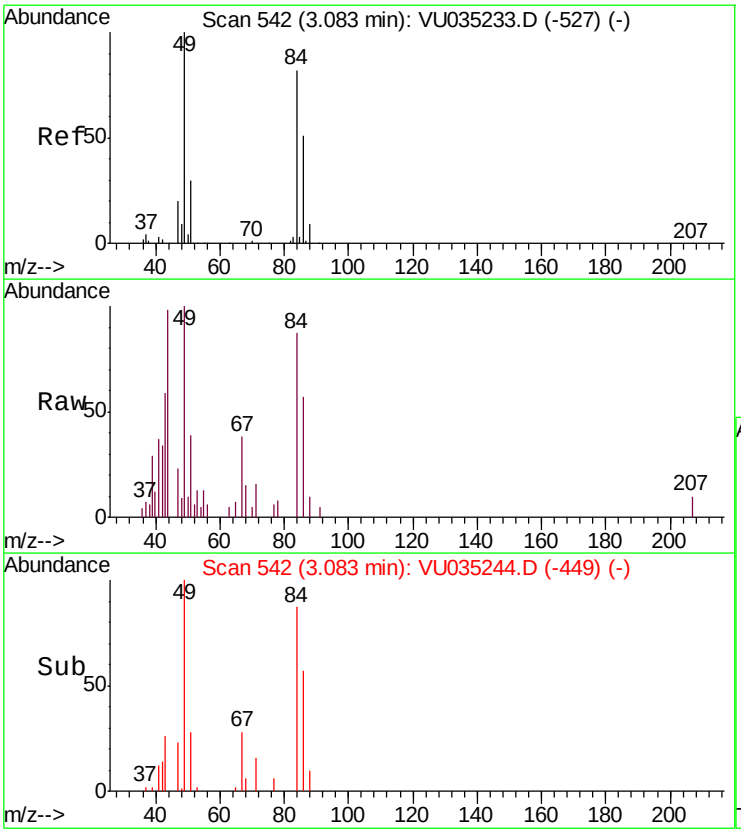
#15
Methyl Acetate
Concen: 1.168 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument : MSVOA_U
ClientSampleId : H0FY9

Tgt Ion: 43 Resp: 12704

Ion	Ratio	Lower	Upper
43	100		
74	0.4	20.3	30.5#

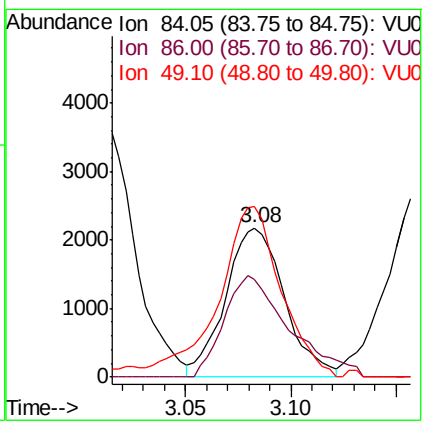


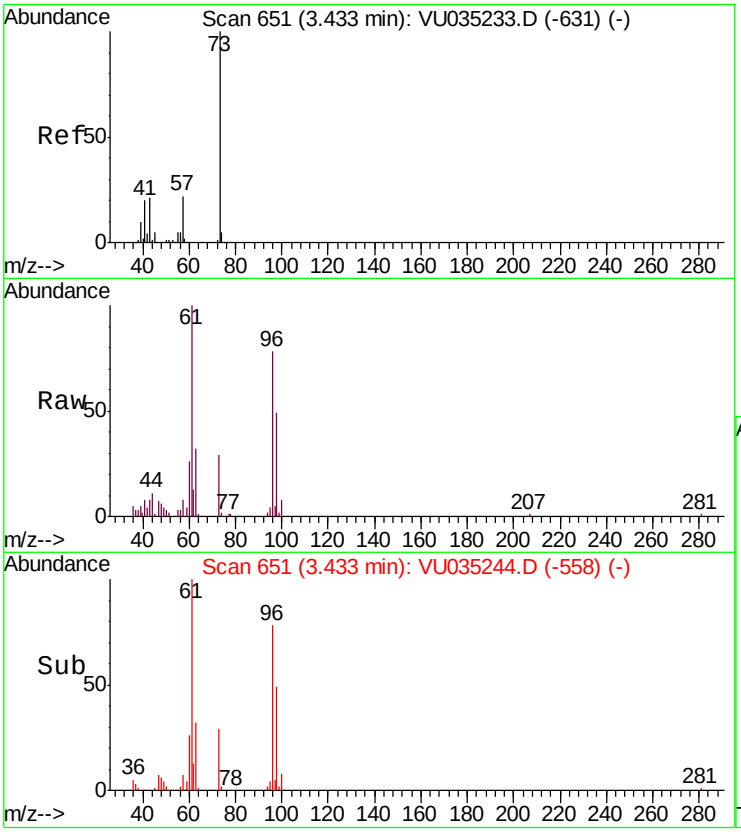


#16
Methylene chloride
Concen: 0.153 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 84 Resp: 4231

Ion	Ratio	Lower	Upper
84	100		
86	65.7	45.4	84.2
49	114.6	86.8	161.2



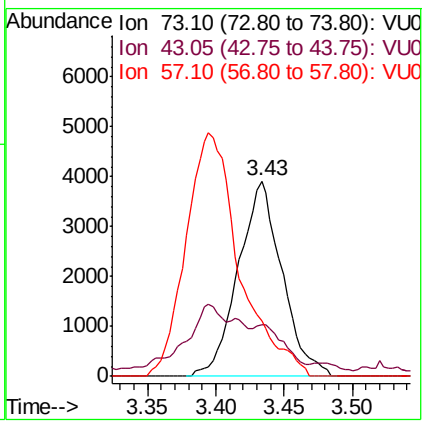


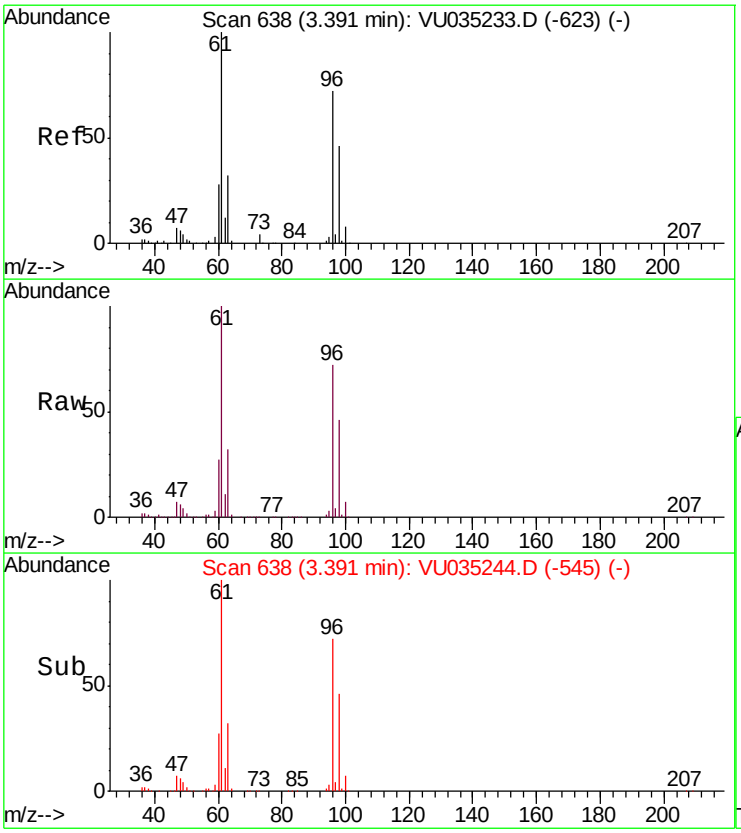
#17
Methyl tert-butyl Ether
Concen: 0.141 ug/L
RT: 3.43 min Scan# 651
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument :
MSVOA_U
ClientSampleId :
H0FY9

Tgt Ion: 73 Resp: 8724

Ion	Ratio	Lower	Upper
73	100		
43	27.8	16.0	24.0#
57	151.9	17.4	26.2#

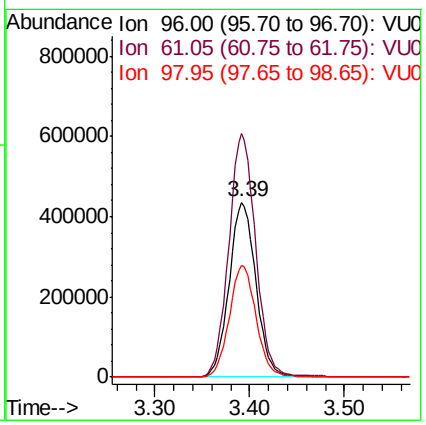


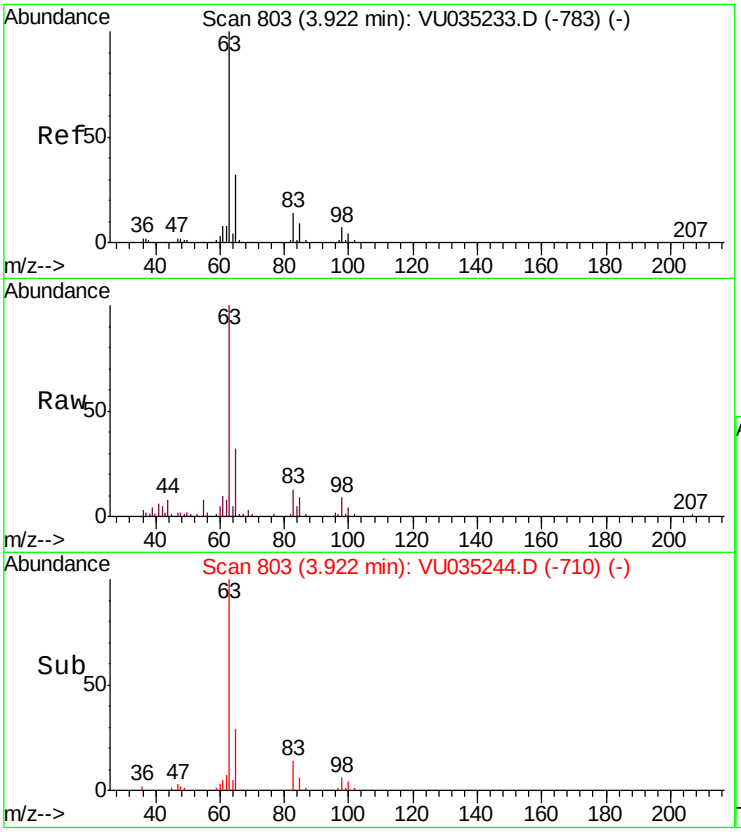


#18
trans-1,2-Dichloroethene
Concen: 34.712 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 96 Resp: 862044

Ion	Ratio	Lower	Upper
96	100		
61	139.5	93.0	172.6
98	64.0	43.7	81.1



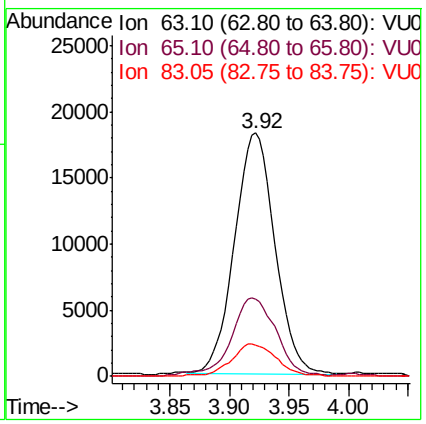


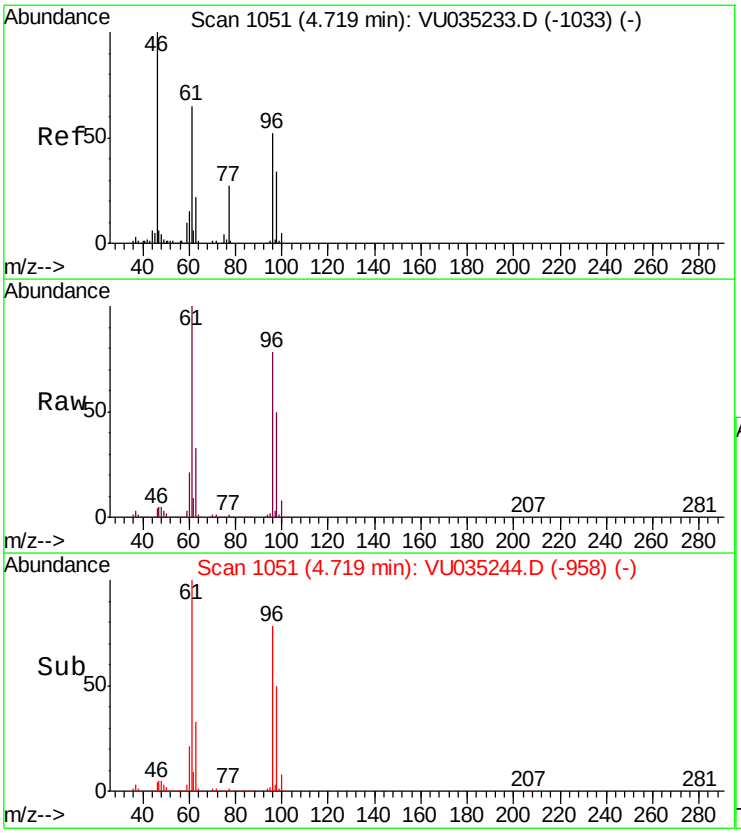
#19
1,1-Dichloroethane
Concen: 0.960 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument : MSVOA_U
ClientSampleId : H0FY9

Tgt Ion: 63 Resp: 43108

Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.4	41.6
83	13.0	9.3	17.3

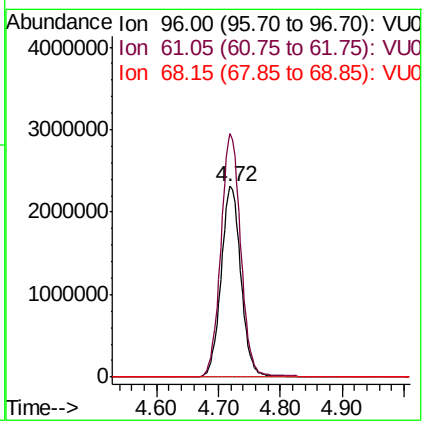


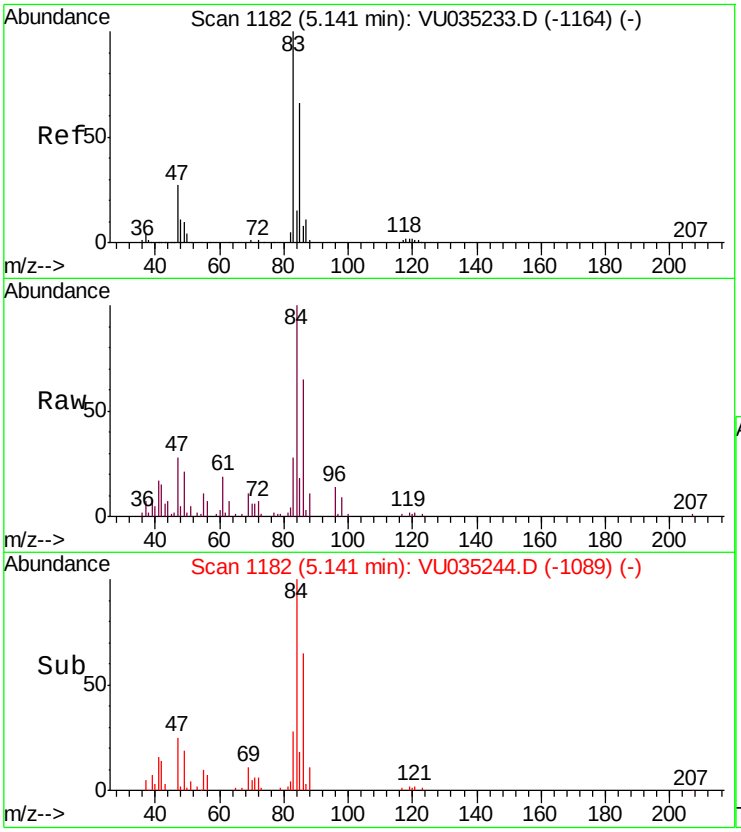


#22
cis-1,2-Dichloroethene
Concen: 187.930 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 96 Resp: 5158432

Ion	Ratio	Lower	Upper
96	100		
61	127.6	89.7	166.5
68	0.0	0.0	0.0



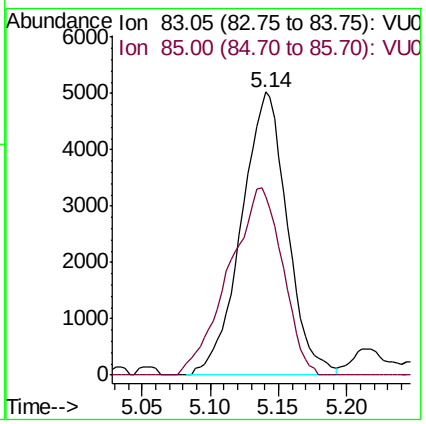


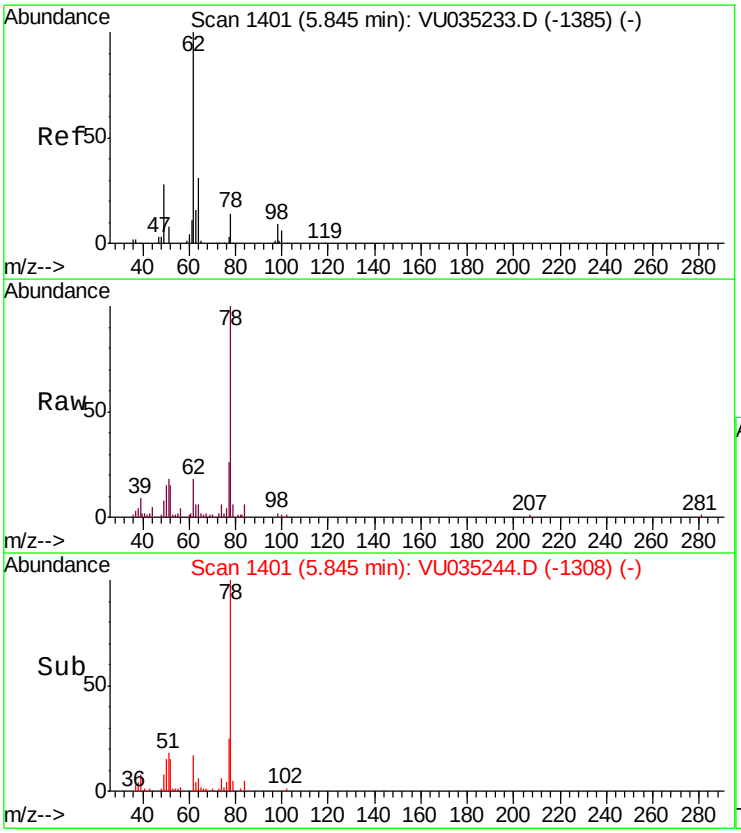
#25
Chloroform
Concen: 0.238 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument :
MSVOA_U
ClientSampleId :
H0FY9

Tgt Ion: 83 Resp: 11738

Ion	Ratio	Lower	Upper
83	100		
85	63.2	45.1	83.9

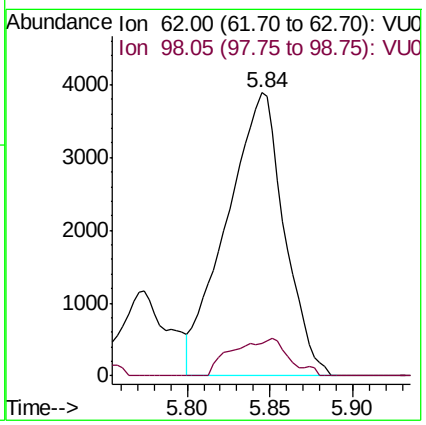


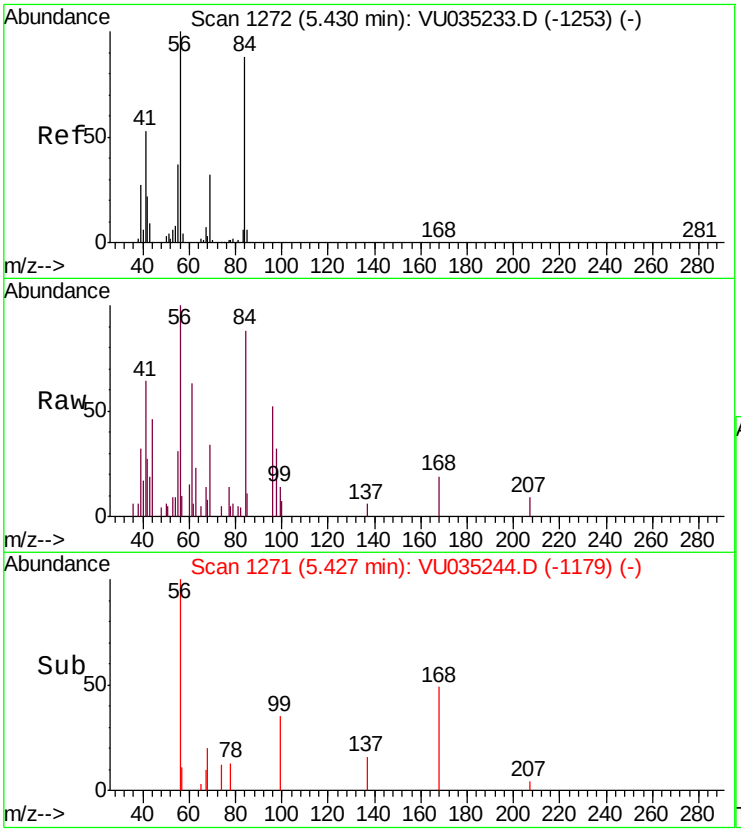


#27
1,2-Dichloroethane
Concen: 0.312 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 62 Resp: 9436

Ion	Ratio	Lower	Upper
62	100		
98	11.3	7.8	11.6



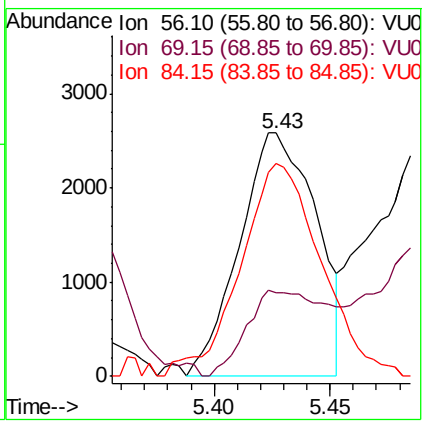


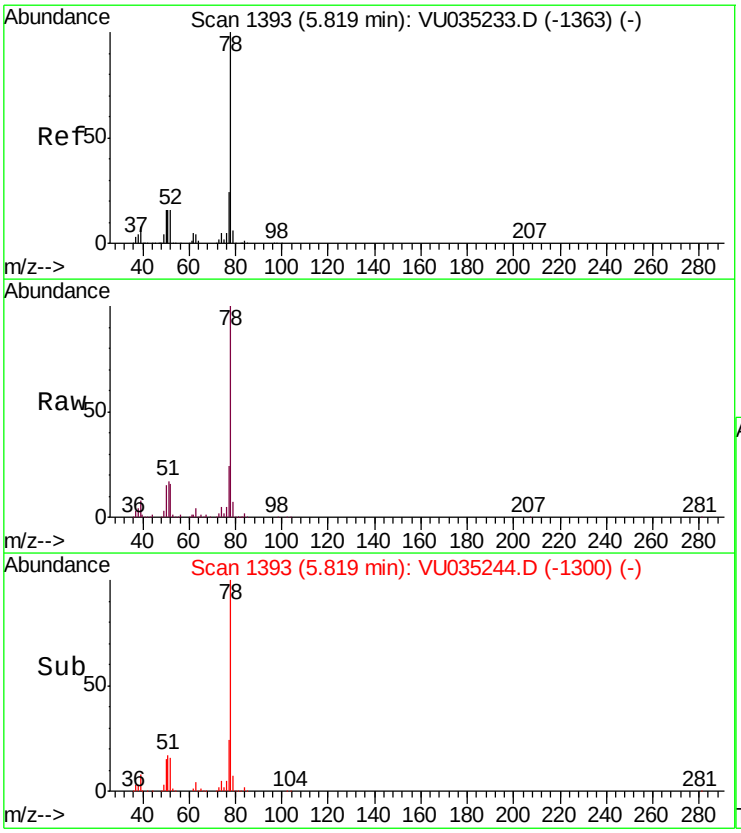
#30
Cyclohexane
Concen: 0.138 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument : MSVOA_U
ClientSampleId : H0FY9

Tgt Ion: 56 Resp: 5921

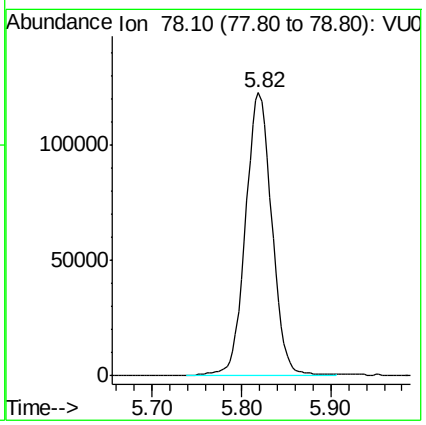
Ion	Ratio	Lower	Upper
56	100		
69	38.7	24.6	36.8#
84	92.3	71.5	107.3

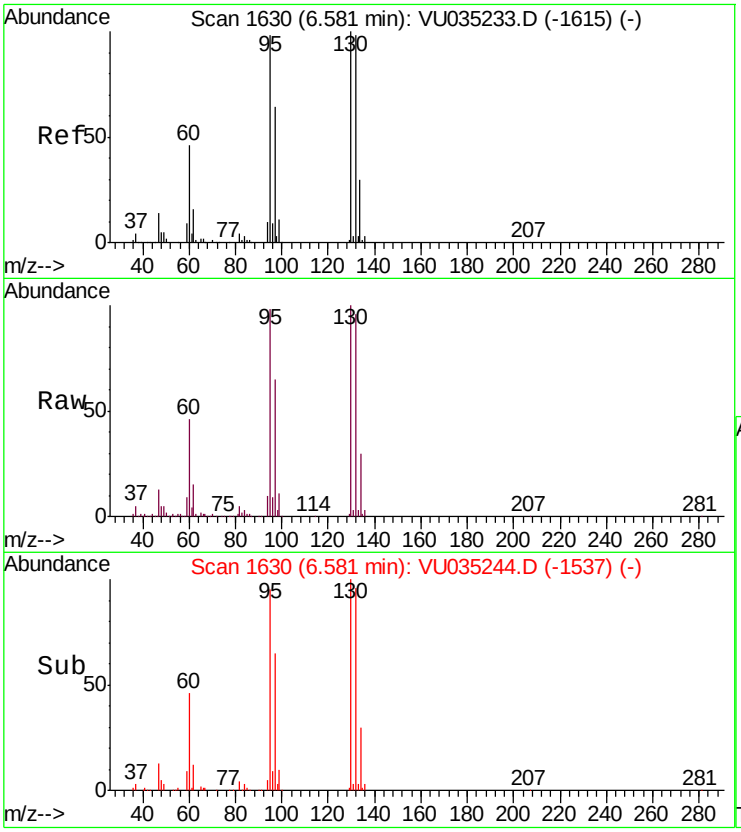




#33
Benzene
Concen: 2.518 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 78 Resp: 252801



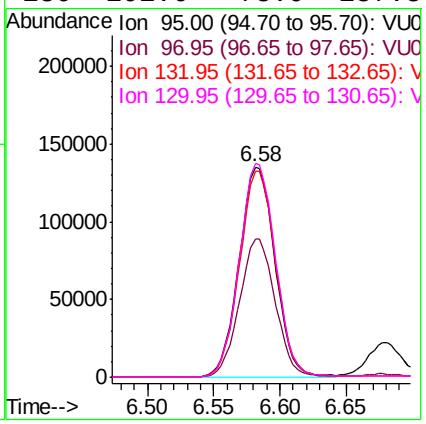


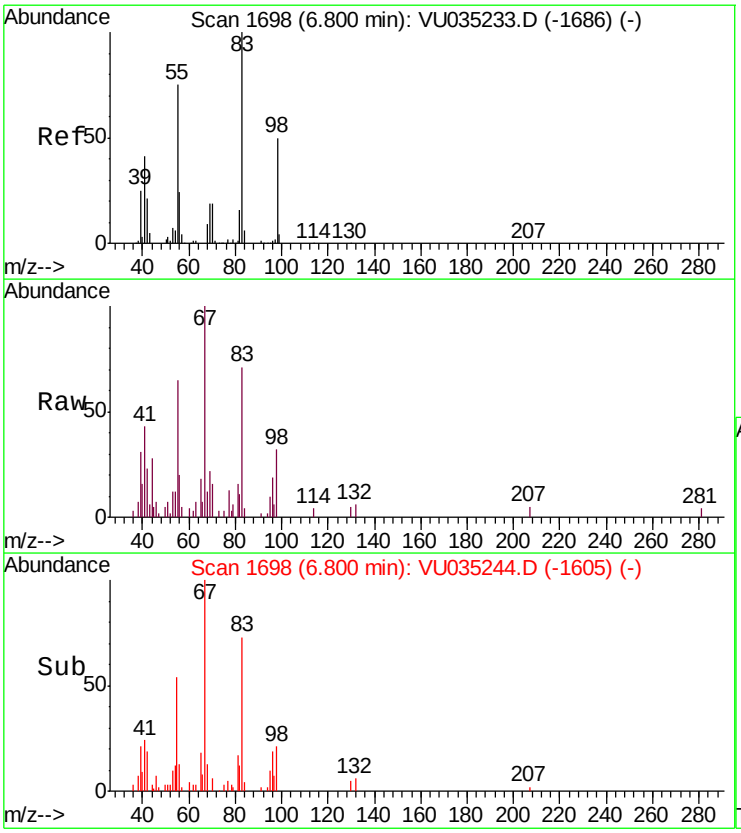
#34
Trichloroethene
Concen: 9.485 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument :
MSVOA_U
ClientSampleId :
H0FY9

Tgt Ion: 95 Resp: 256001

Ion	Ratio	Lower	Upper
95	100		
97	65.7	46.6	86.6
132	97.9	68.7	127.7
130	101.6	73.9	137.3

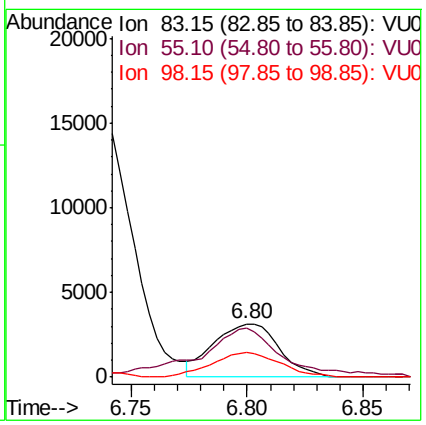


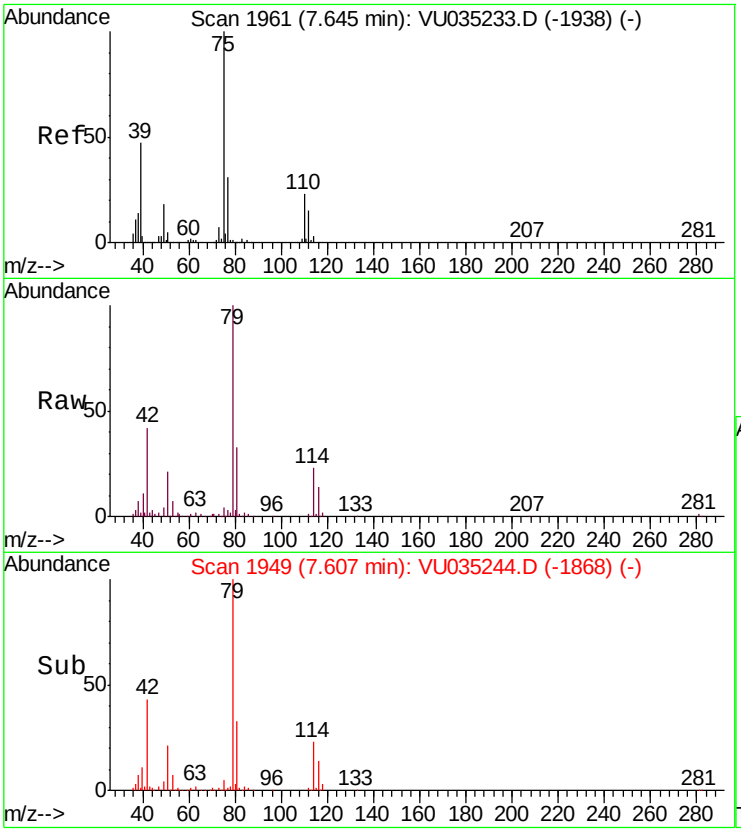


#35
Methylcyclohexane
Concen: 0.138 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 83 Resp: 6220

Ion	Ratio	Lower	Upper
83	100		
55	119.1	60.4	90.6#
98	47.8	39.5	59.3



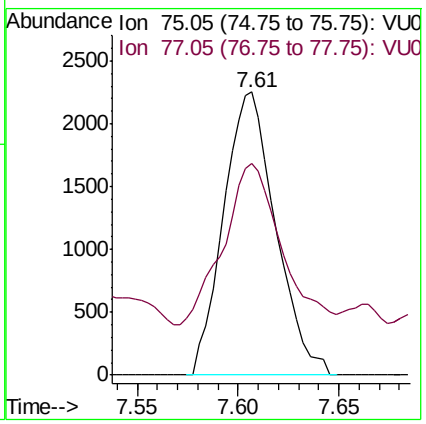


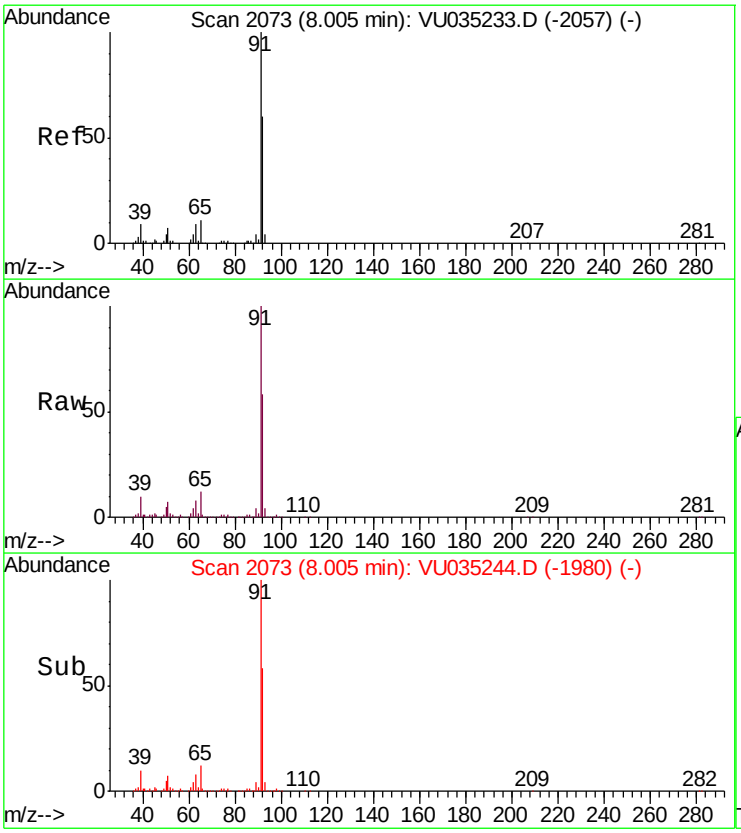
#39
cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.61 min Scan# 1949
Delta R.T. -0.04 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument :
MSVOA_U
ClientSampleId :
H0FY9

Tgt Ion: 75 Resp: 4061

Ion	Ratio	Lower	Upper
75	100		
77	74.8	22.7	42.1#

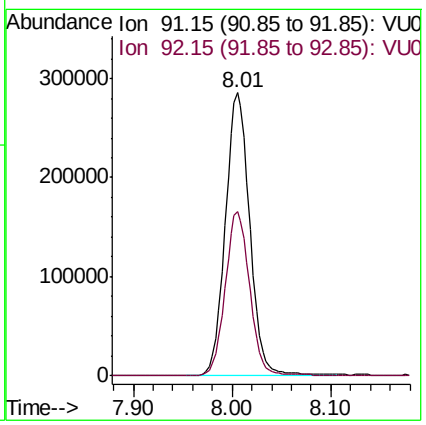


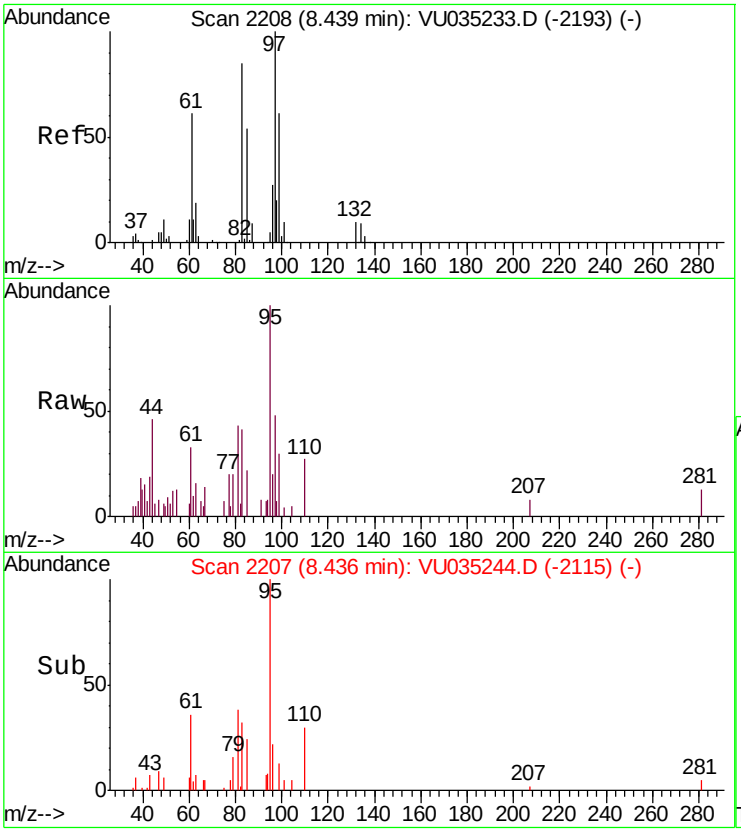


#42
Toluene
Concen: 4.481 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 91 Resp: 496613

Ion	Ratio	Lower	Upper
91	100		
92	58.0	39.9	74.1



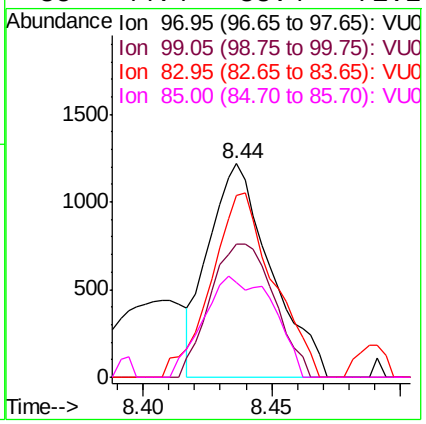


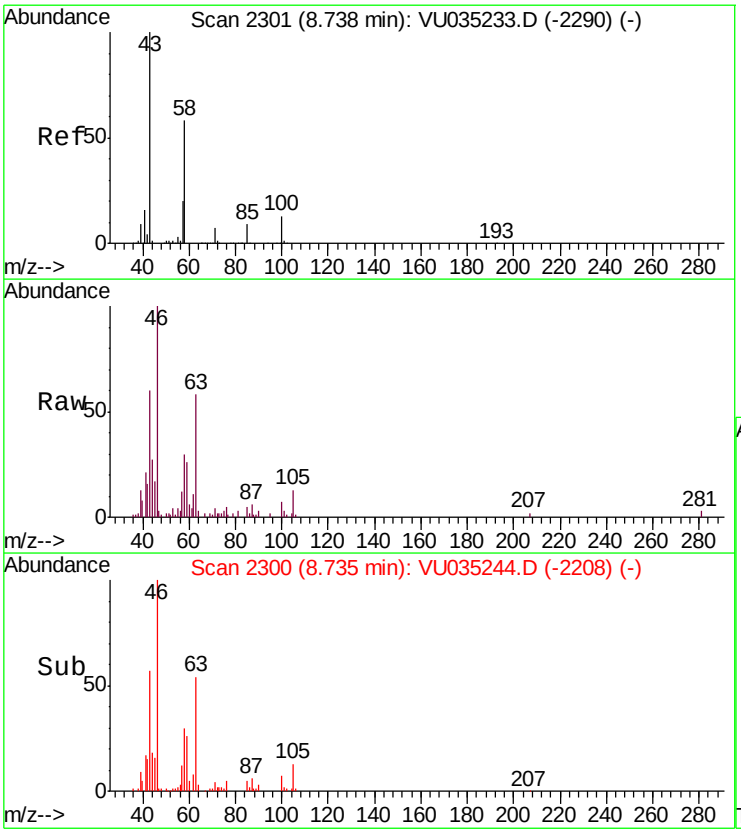
#45
1,1,2-Trichloroethane
Concen: 0.108 ug/L
RT: 8.44 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument :
MSVOA_U
ClientSampleId :
H0FY9

Tgt Ion: 97 Resp: 2038

Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.9	79.7
83	84.9	60.4	112.2
85	44.4	38.4	71.2

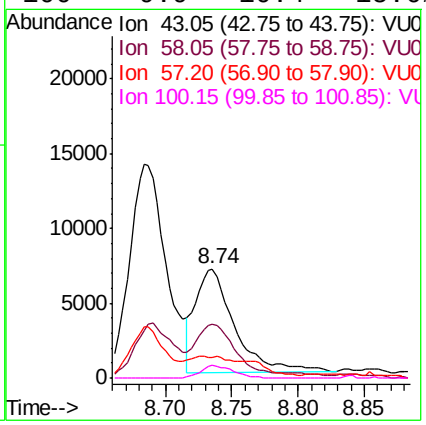


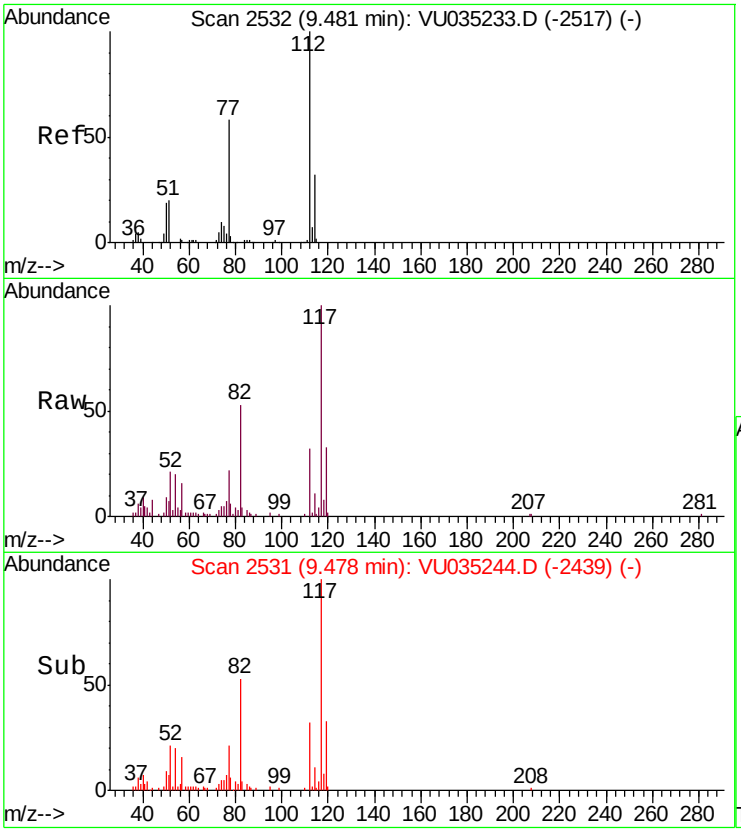


#48
2-Hexanone
Concen: 1.187 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 43 Resp: 14324

Ion	Ratio	Lower	Upper
43	100		
58	45.8	45.1	67.7
57	7.4	16.0	24.0#
100	9.9	10.4	15.6#



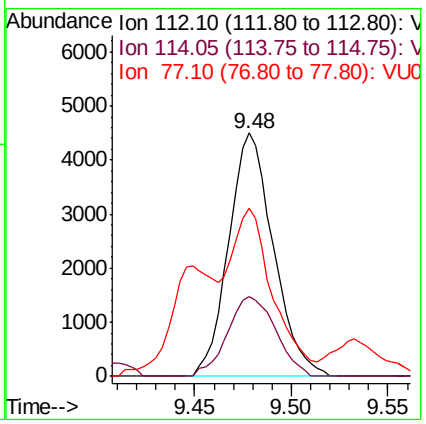


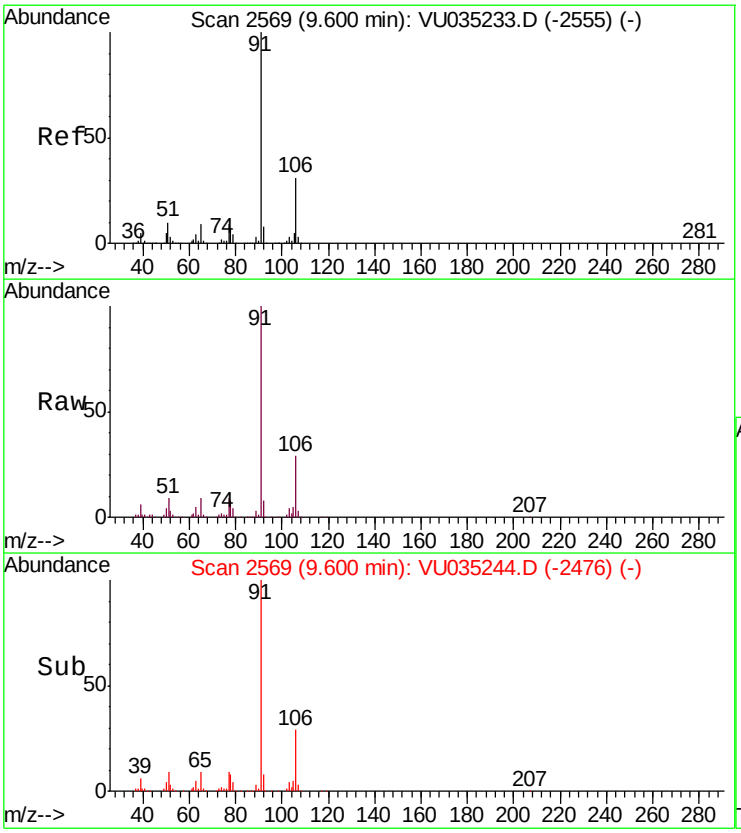
#51
Chlorobenzene
Concen: 0.101 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument : MSVOA_U
ClientSampleId : H0FY9

Tgt Ion:112 Resp: 7219

Ion	Ratio	Lower	Upper
112	100		
114	32.7	23.0	42.8
77	69.1	47.5	71.3

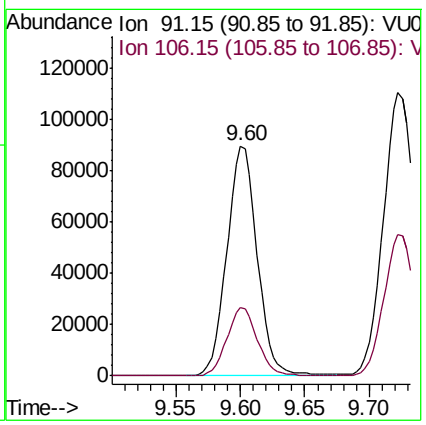


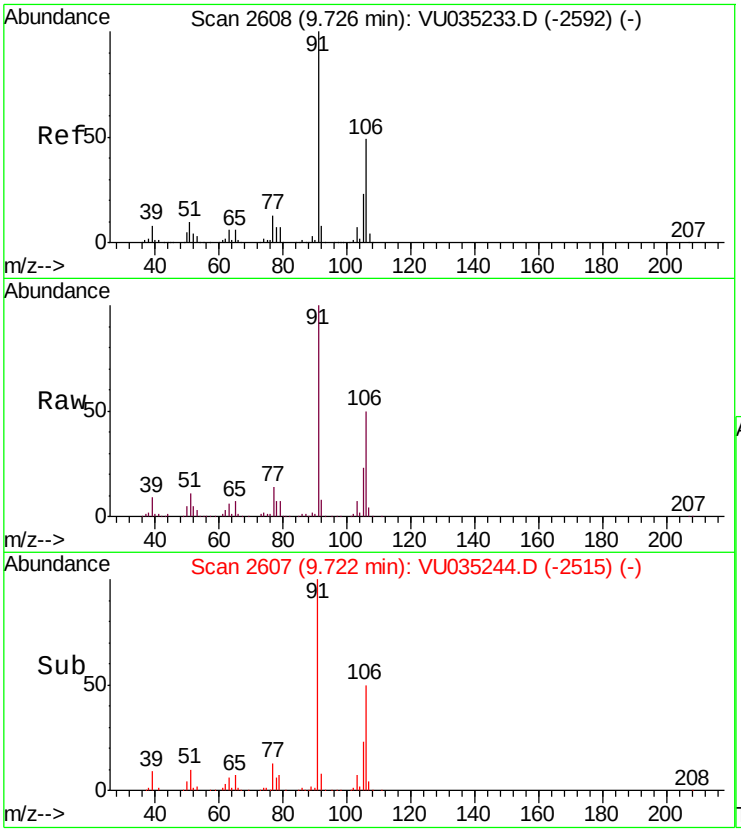


#52
Ethylbenzene
Concen: 1.164 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 91 Resp: 146646

Ion	Ratio	Lower	Upper
91	100		
106	29.5	21.3	39.6



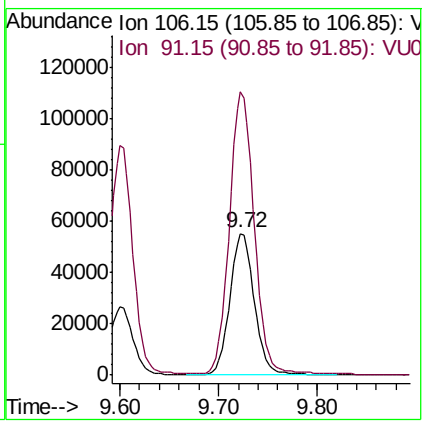


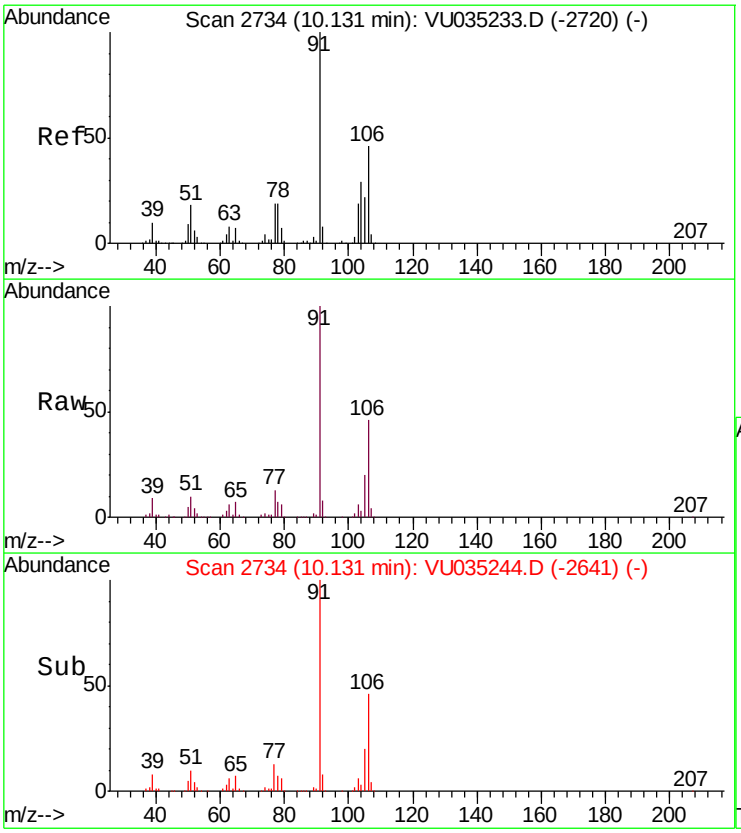
#53
m,p-Xylene
Concen: 1.995 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument :
MSVOA_U
ClientSampleId :
H0FY9

Tgt Ion:106 Resp: 94925

Ion	Ratio	Lower	Upper
106	100		
91	200.2	142.0	263.6

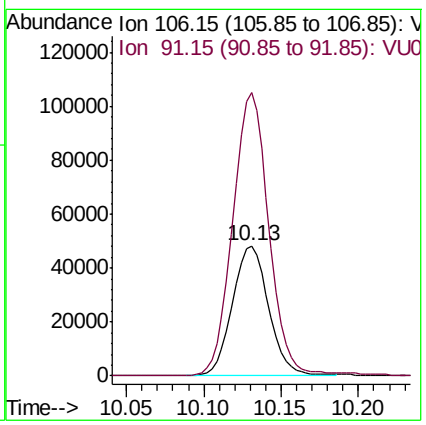


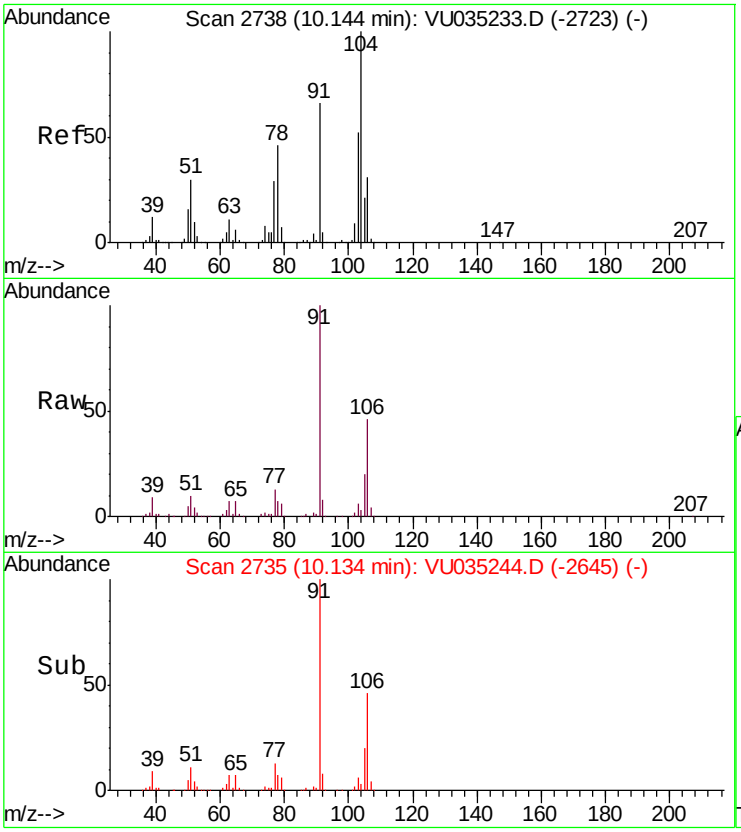


#54
o-Xylene
Concen: 1.697 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion:106 Resp: 78826

Ion	Ratio	Lower	Upper
106	100		
91	217.8	153.2	284.6



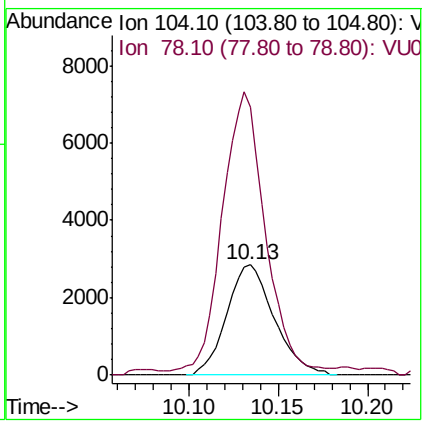


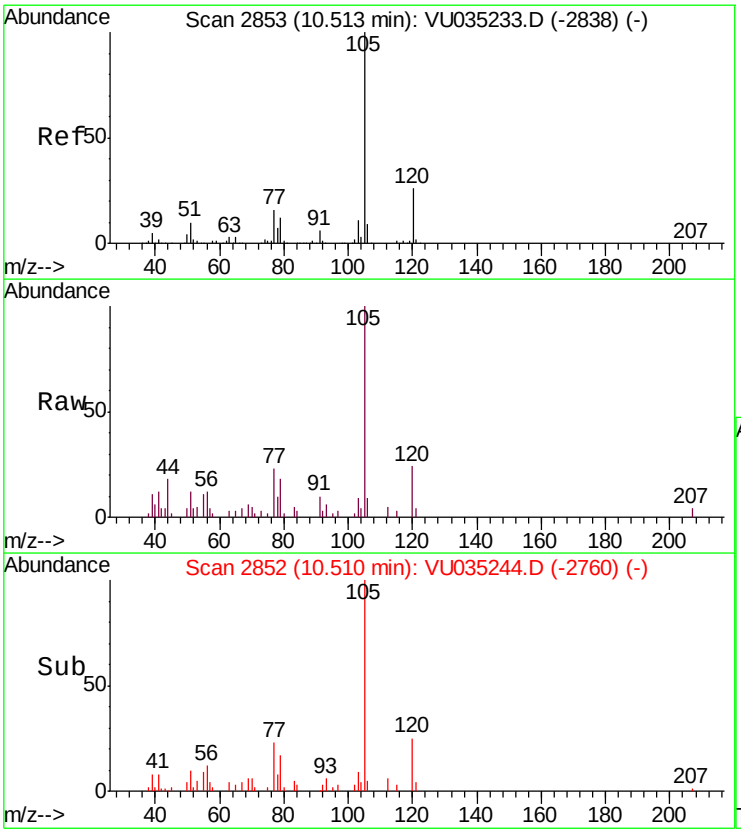
#55
Styrene
Concen: 0.070 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.01 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument :
MSVOA_U
ClientSampleId :
H0FY9

Tgt Ion:104 Resp: 5294

Ion	Ratio	Lower	Upper
104	100		
78	243.4	31.3	58.1#

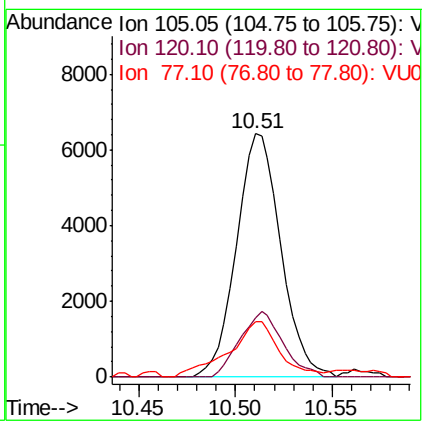


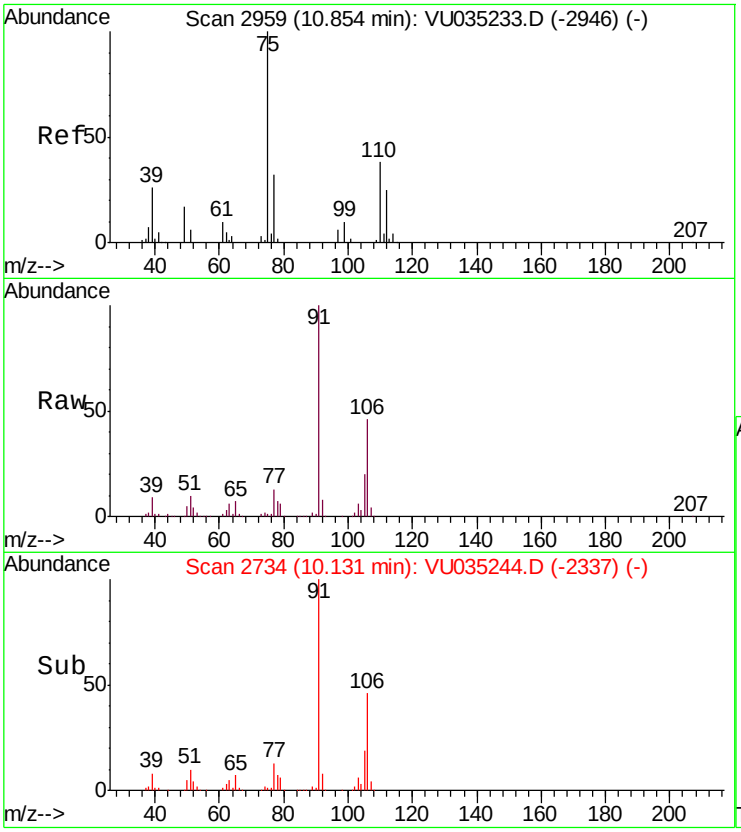


#56
Isopropylbenzene
Concen: 0.082 ug/L
RT: 10.51 min Scan# 2852
Delta R.T. -0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion:105 Resp: 10266

Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.0	31.6
77	26.0	12.6	19.0#



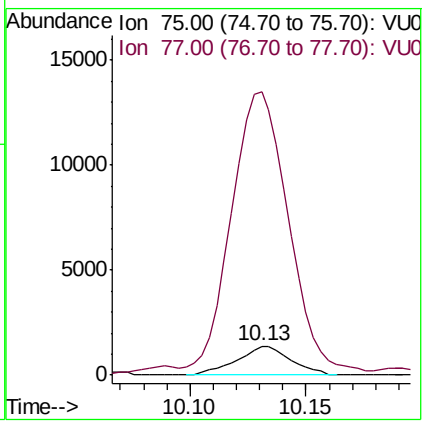


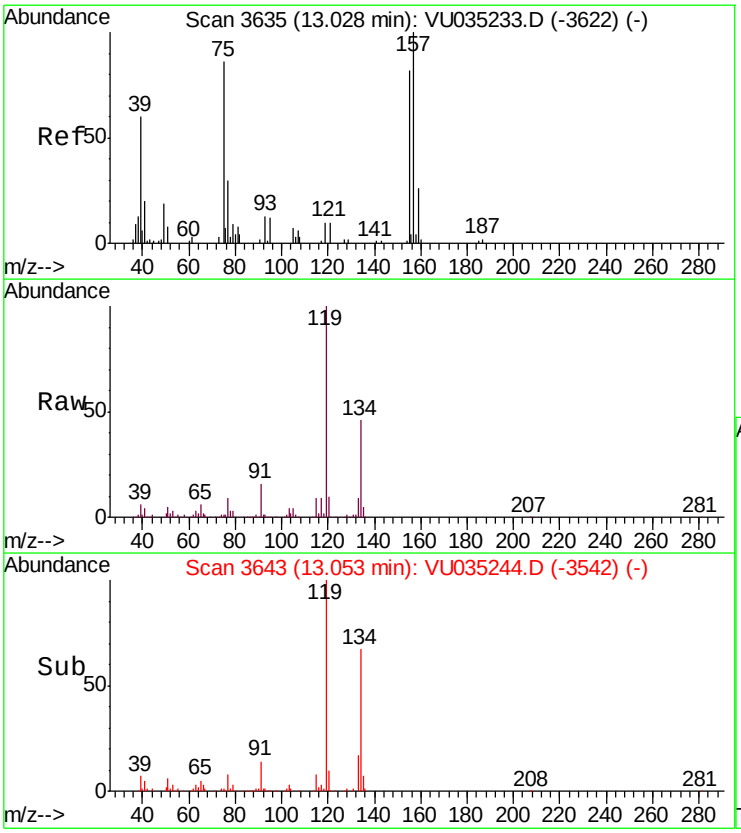
#59
1,2,3-Trichloropropane
Concen: 0.126 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.72 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument : MSVOA_U
ClientSampleId : H0FY9

Tgt Ion: 75 Resp: 2236

Ion	Ratio	Lower	Upper
75	100		
77	999.5	26.2	39.2#

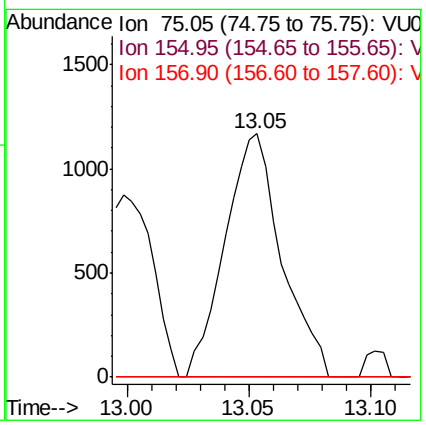


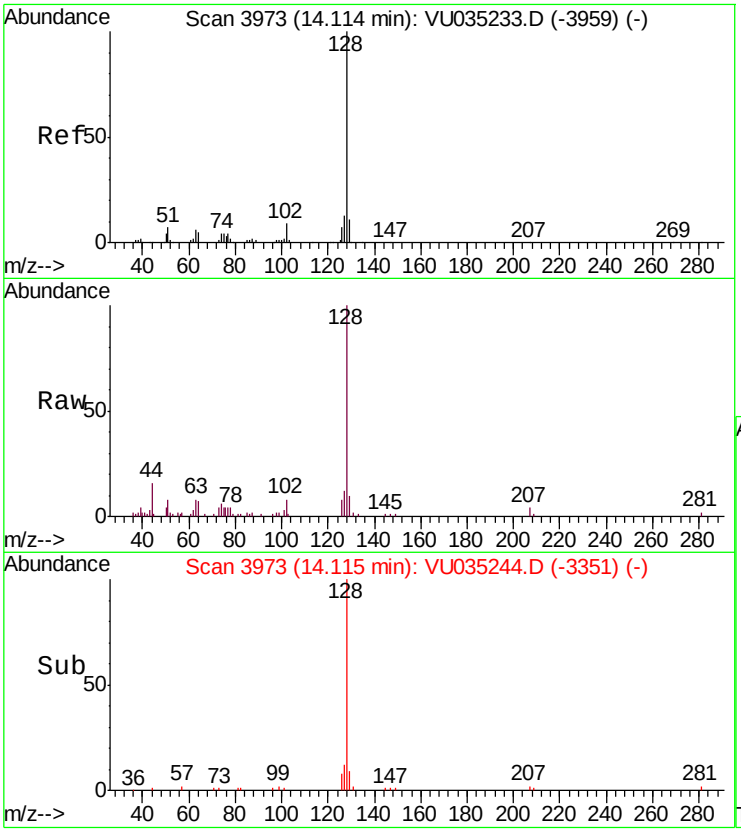


#66
1,2-Dibromo-3-chloropropane
Concen: 0.521 ug/L
RT: 13.05 min Scan# 3643
Delta R.T. 0.03 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Tgt Ion: 75 Resp: 1883

Ion	Ratio	Lower	Upper
75	100		
155	0.0	70.0	105.0#
157	0.0	94.7	142.1#





#69
Naphthalene
Concen: 0.633 ug/L
RT: 14.11 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VU035244.D
Acq: 18 Oct 2019 05:17

Instrument :
MSVOA_U
ClientSampleId :
H0FY9

Tgt Ion:128 Resp: 19517

Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.6	13.0
127	13.4	10.7	16.1