Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
Data File : VU038164.D
Acq On : 14 May 2020 13:14
Operator : JC/MD
Sample : L2630-02DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 15 01:07:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 01:05:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	347127	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	338997	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	169594	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	113899	3.59	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 71.80%			
7) Chloroethane-d5	1.93	69	113531	4.13	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 82.60%			
11) 1,1-Dichloroethene-d2	2.59	63	159346	3.00	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 60.00%			
20) 2-Butanone-d5	4.66	46	460767	58.82	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 117.64%			
24) Chloroform-d	5.10	84	218677	4.54	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 90.80%			
26) 1,2-Dichloroethane-d4	5.74	65	135311	4.90	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.00%			
32) Benzene-d6	5.76	84	459433	4.52	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 90.40%			
36) 1,2-Dichloropropane-d6	6.72	67	156204	4.76	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 95.20%			
41) Toluene-d8	7.92	98	405238	4.44	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 88.80%			
43) trans-1,3-Dichloropropene-	8.20	79	56548	4.31	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 86.20%			
46) 2-Hexanone-d5	8.65	63	366885	59.16	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 118.32%			
57) 1,1,2,2-Tetrachloroethane-	10.77	84	134384	5.19	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 103.80%			
64) 1,2-Dichlorobenzene-d4	12.20	152	158884	4.81	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 96.20%			

Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	144510	3.855	ug/L	99
12) 1,1-Dichloroethene	2.60	96	9725	0.404	ug/L #	1
15) Methyl Acetate	3.08	43	197424	14.359	ug/L #	53
16) Methylene chloride	3.07	84	2948	0.105	ug/L #	1
19) 1,1-Dichloroethane	3.91	63	139972	2.725	ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	220519	7.781	ug/L #	99
29) 1,1,1-Trichloroethane	5.35	97	311996	8.033	ug/L	99
30) Cyclohexane	5.42	56	206921	4.512	ug/L	100
31) Carbon tetrachloride	5.35	117	40338	1.292	ug/L	98
35) Methylcyclohexane	6.72	83	34488	0.784	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	17000	0.577	ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	3515	0.083	ug/L #	52
42) Toluene	7.99	91	970124	8.466	ug/L	100
48) 2-Hexanone	8.71	43	36064	2.410	ug/L	97
51) Chlorobenzene	9.47	112	224307	3.154	ug/L	98
52) Ethylbenzene	9.59	91	234532	1.889	ug/L	100
53) m,p-Xylene	9.71	106	161058	3.384	ug/L	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
Data File : VU038164.D
Acq On : 14 May 2020 13:14
Operator : JC/MD
Sample : L2630-02DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 15 01:07:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 01:05:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
54) o-Xylene	10.11	106	83017	1.804 ug/L	96
56) Isopropylbenzene	10.50	105	75264	0.637 ug/L	98
59) 1,2,3-Trichloropropane	10.92	75	1656	0.084 ug/L #	1
62) 1,3-Dichlorobenzene	11.76	146	50228	0.910 ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	86313	1.544 ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	30442	0.573 ug/L	94
67) 1,3,5-Trichlorobenzene	13.87	180	21323	0.533 ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	21323	0.587 ug/L	97
69) Naphthalene	14.11	128	139974	1.831 ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	5631	0.167 ug/L	95

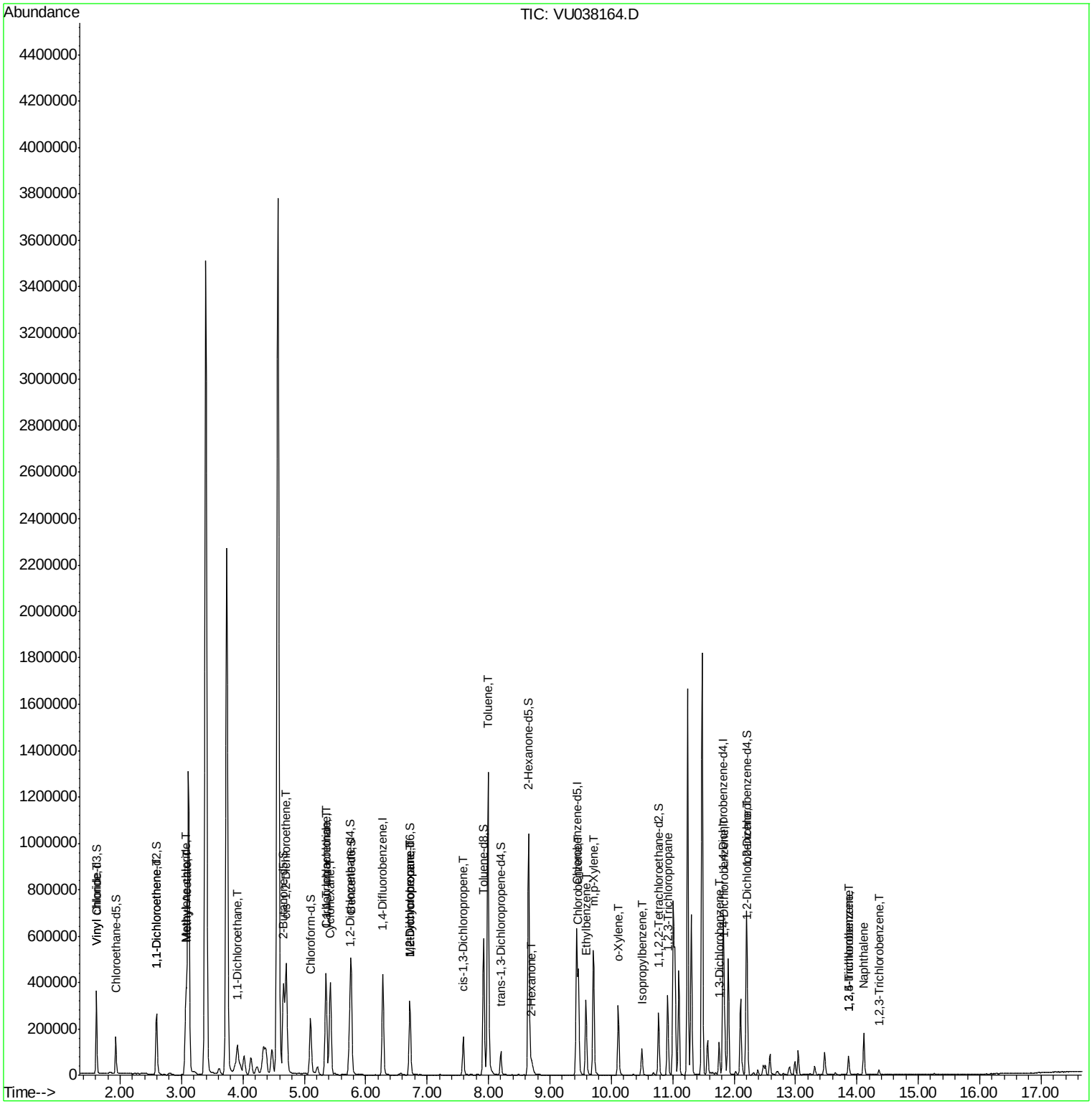
(#) = qualifier out of range (m) = manual integration (+) = signals summed

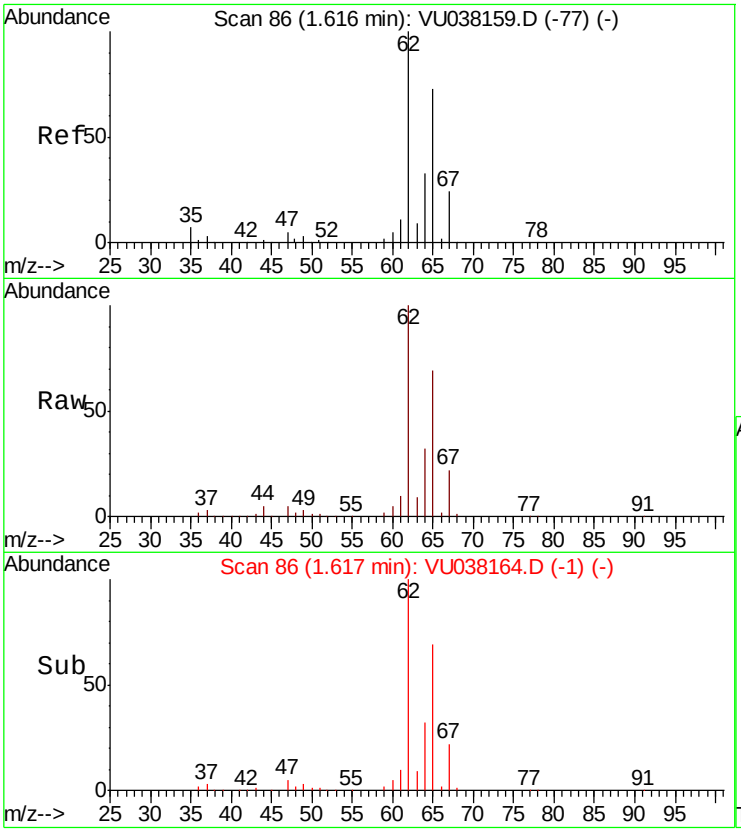
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
Data File : VU038164.D
Acq On : 14 May 2020 13:14
Operator : JC/MD
Sample : L2630-02DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 15 01:07:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 01:05:40 2020
Response via : Initial Calibration



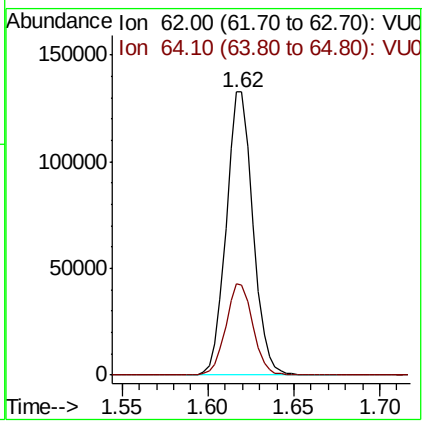


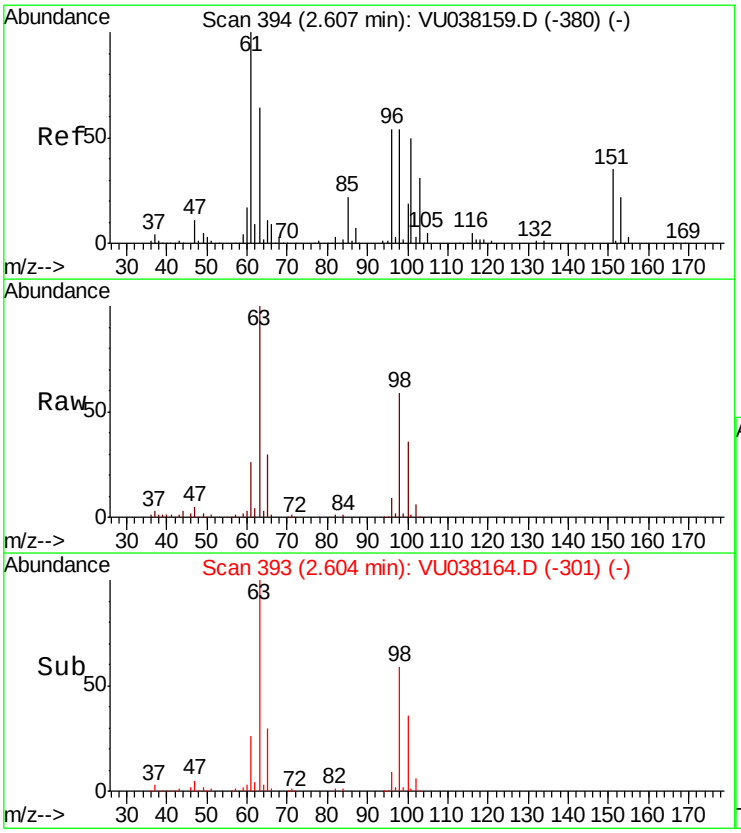
#5
Vinyl chloride
Concen: 3.855 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 62 Resp: 144510

Ion	Ratio	Lower	Upper
62	100		
64	32.2	22.8	42.4

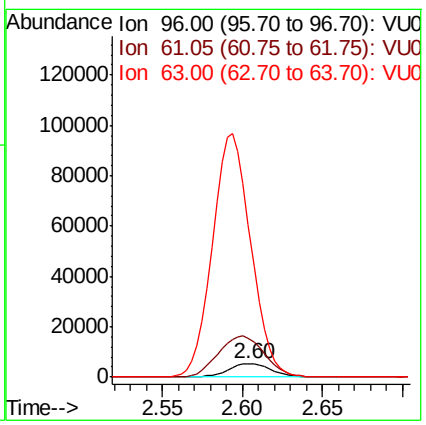


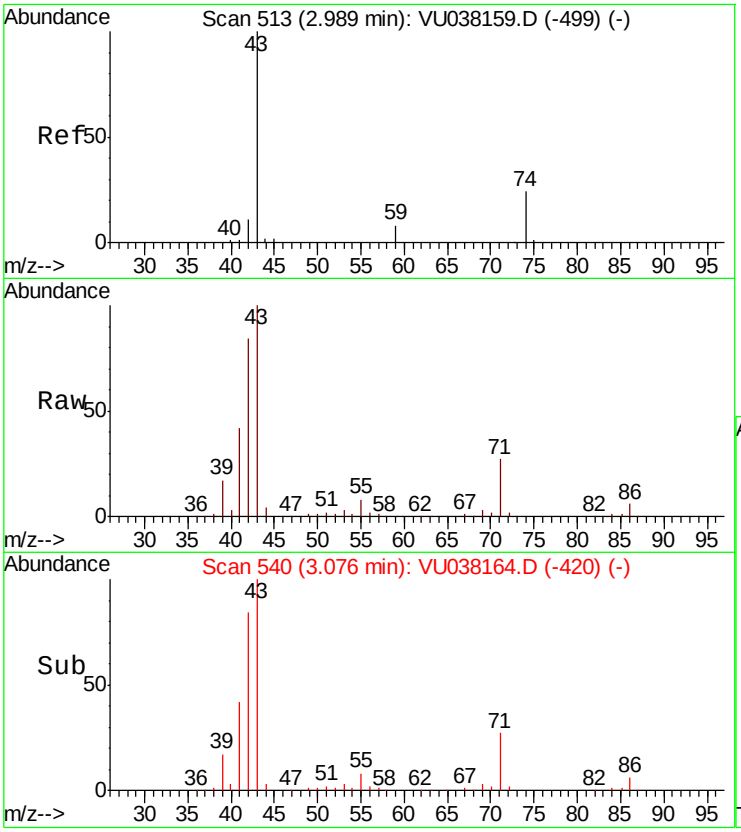


#12
1,1-Dichloroethene
Concen: 0.404 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion: 96 Resp: 9725

Ion	Ratio	Lower	Upper
96	100		
61	291.3	126.2	234.4#
63	1130.5	96.9	179.9#



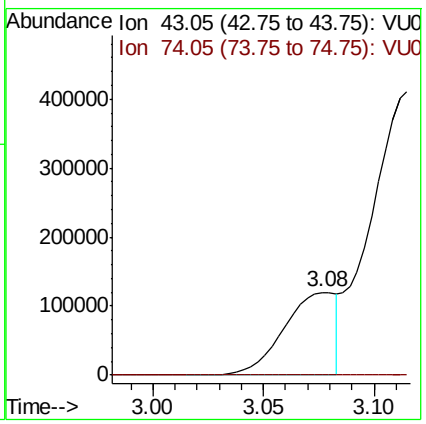


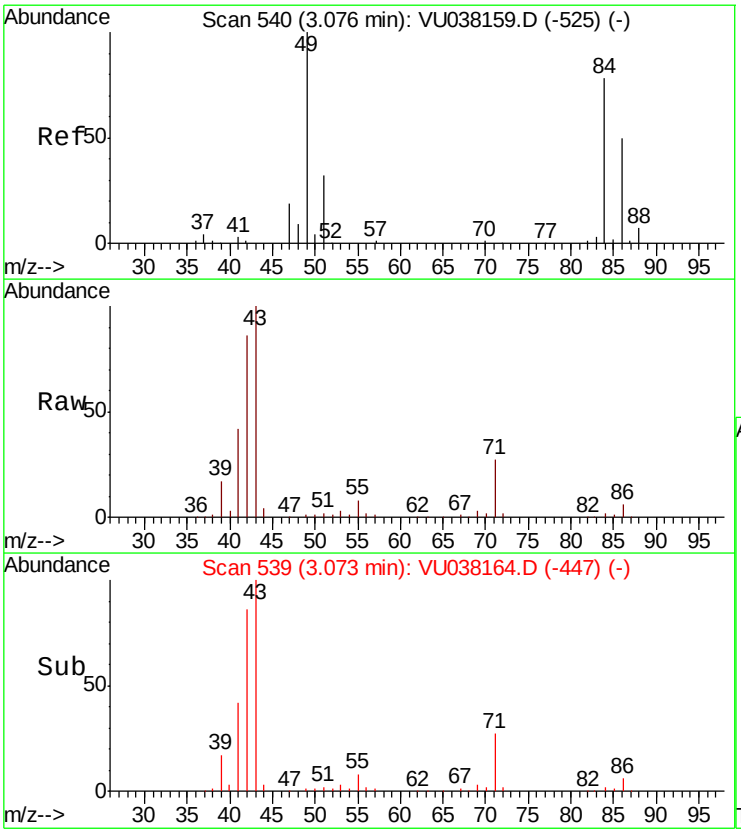
#15
Methyl Acetate
Concen: 14.359 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.09 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 197424

Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.0	27.0#

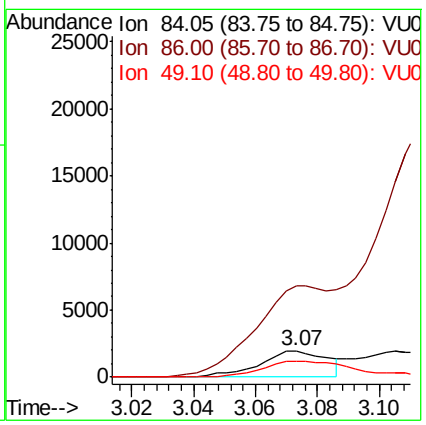


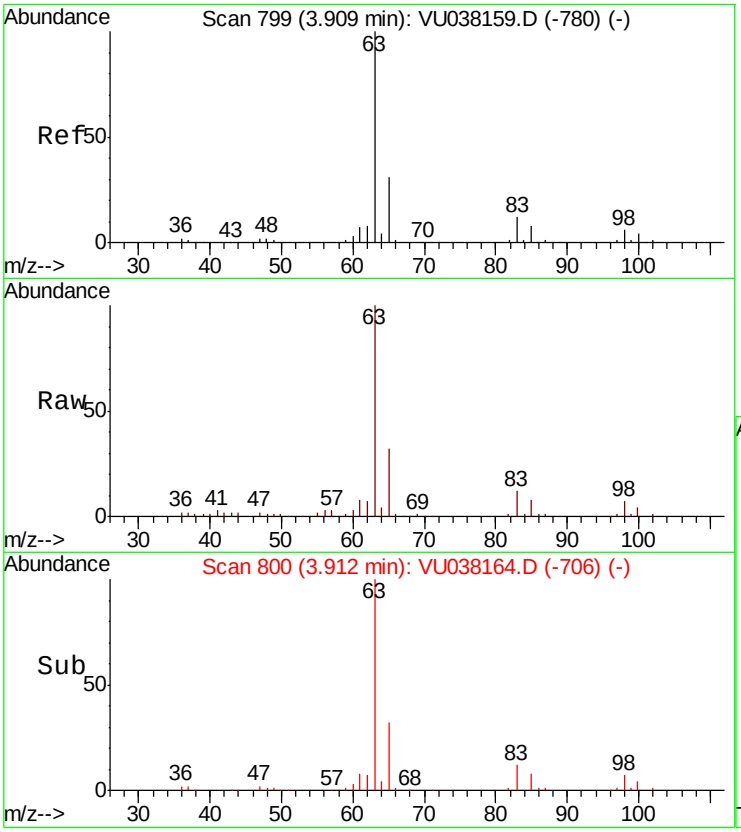


#16
Methylene chloride
Concen: 0.105 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion: 84 Resp: 2948

Ion	Ratio	Lower	Upper
84	100		
86	346.4	44.9	83.3#
49	62.2	92.0	170.9#



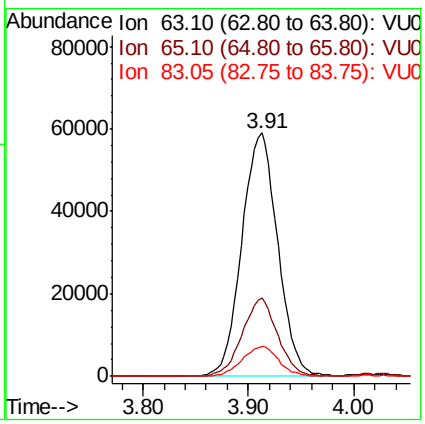


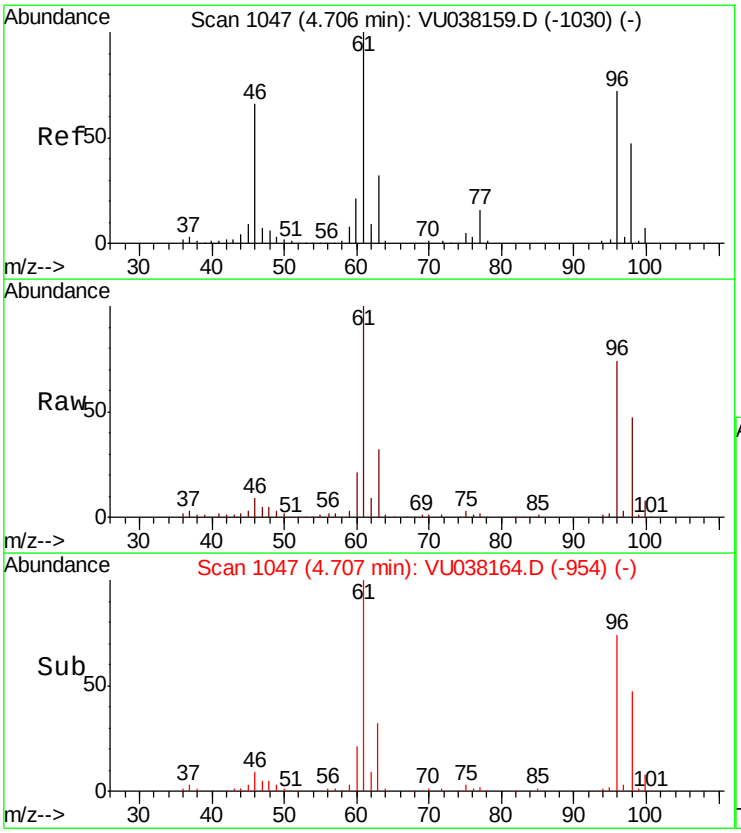
#19
1,1-Dichloroethane
Concen: 2.725 ug/L
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 139972

Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.5	41.7
83	12.2	8.9	16.5

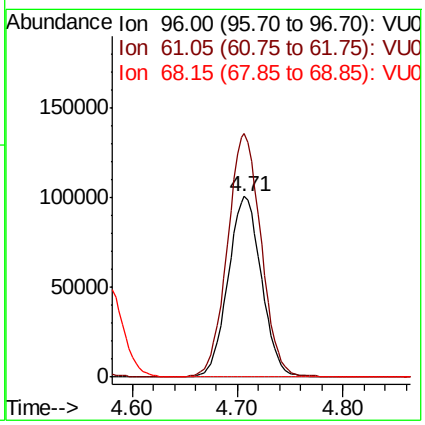


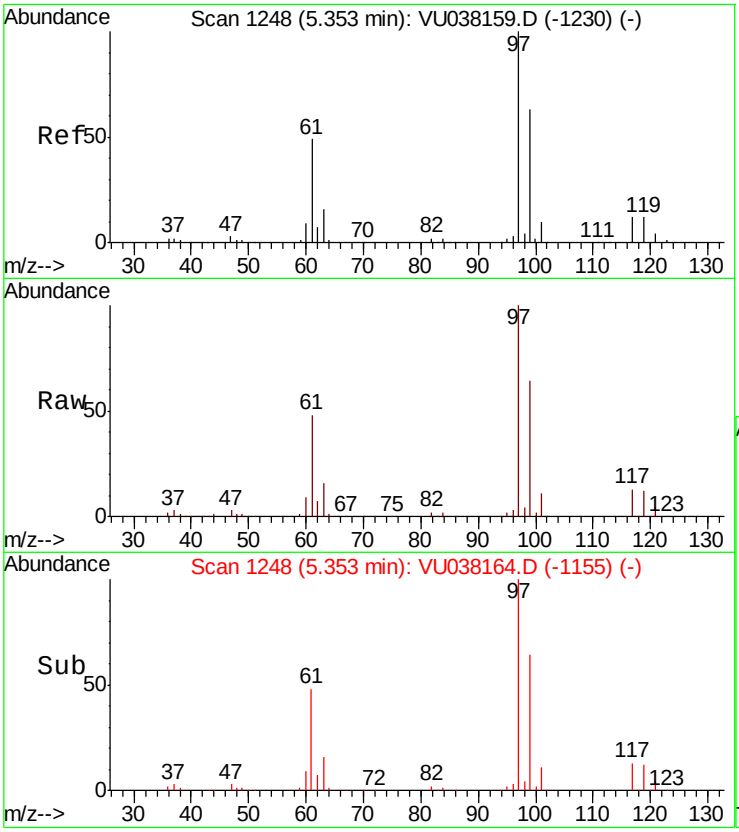


#22
cis-1,2-Dichloroethene
Concen: 7.781 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion: 96 Resp: 220519

Ion	Ratio	Lower	Upper
96	100		
61	134.7	95.3	176.9
68	0.1	0.0	0.0#



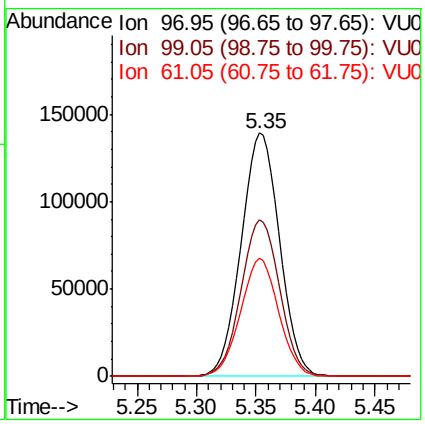


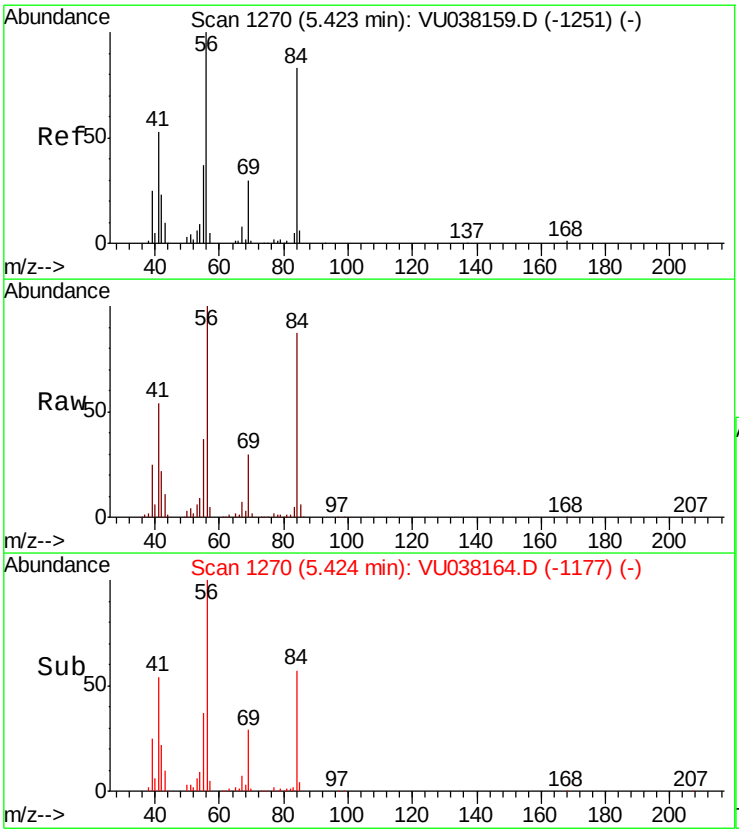
#29
1,1,1-Trichloroethane
Concen: 8.033 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 311996

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	48.1	38.2	57.4

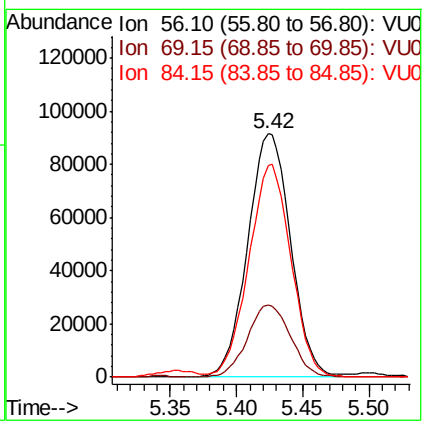


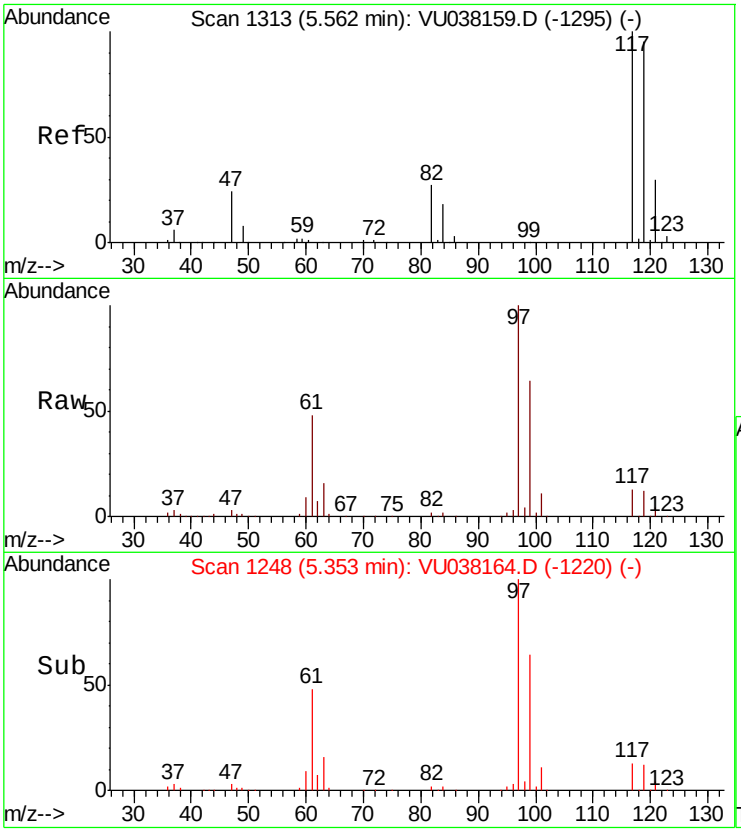


#30
Cyclohexane
Concen: 4.512 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion: 56 Resp: 206921

Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.2	36.4
84	85.7	68.5	102.7



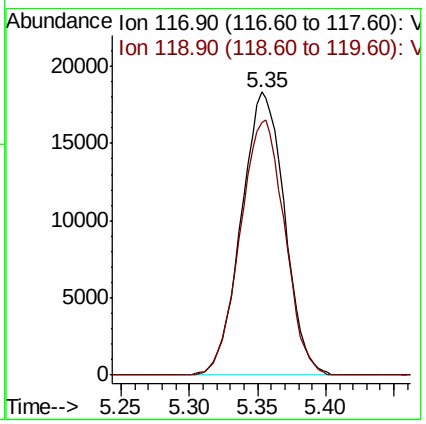


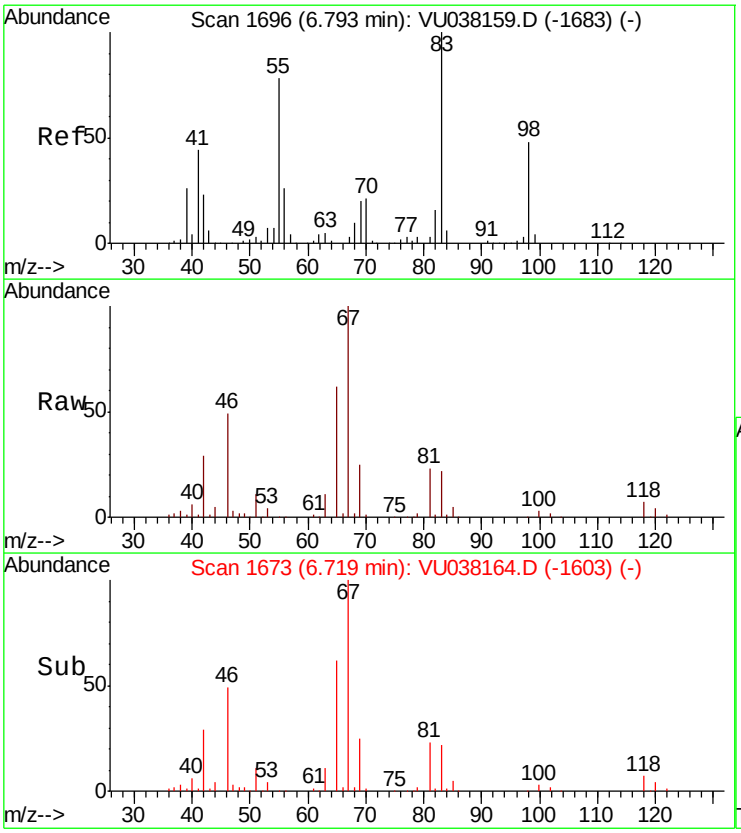
#31
Carbon tetrachloride
Concen: 1.292 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.21 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:117 Resp: 40338

Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.4	113.2

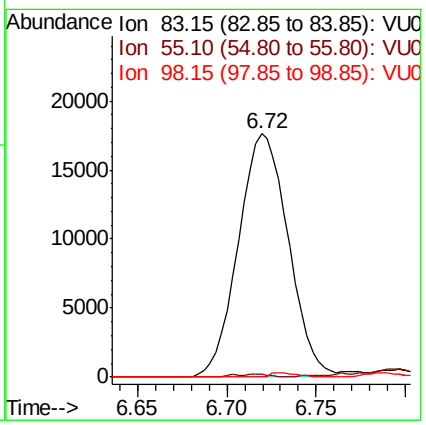


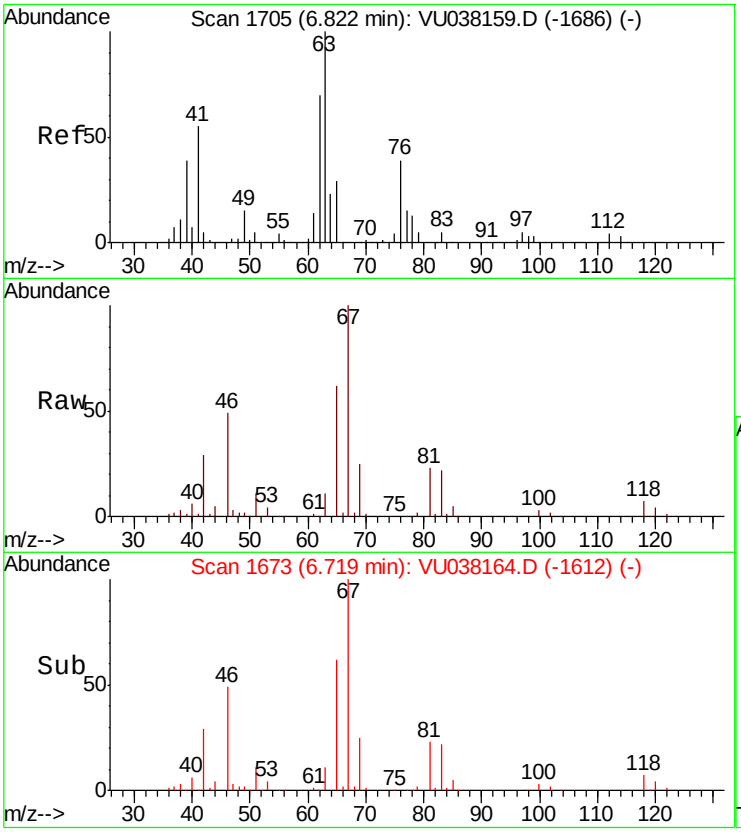


#35
Methylcyclohexane
Concen: 0.784 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion: 83 Resp: 34488

Ion	Ratio	Lower	Upper
83	100		
55	0.5	66.7	100.1#
98	0.9	39.4	59.2#



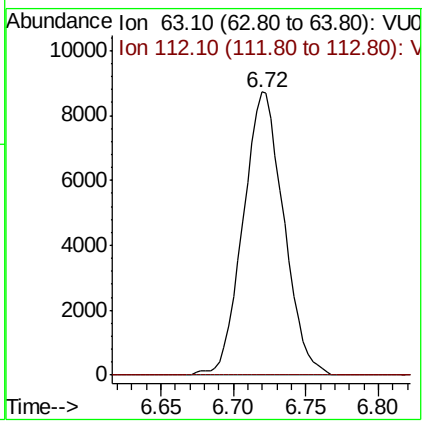


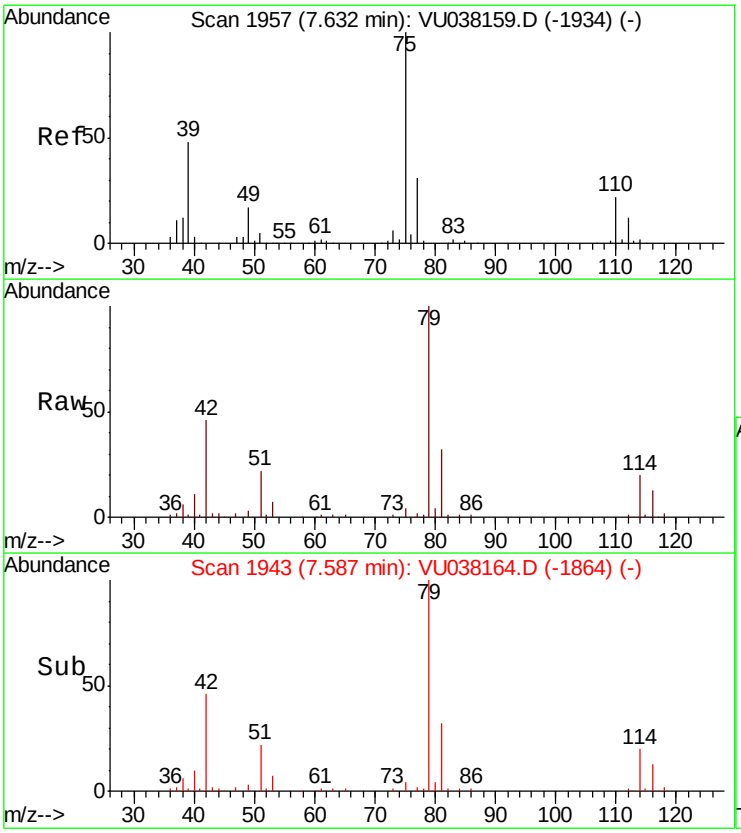
#37
1,2-Dichloropropane
Concen: 0.577 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 17000

Ion	Ratio	Lower	Upper
63	100		
112	0.3	3.1	4.7#

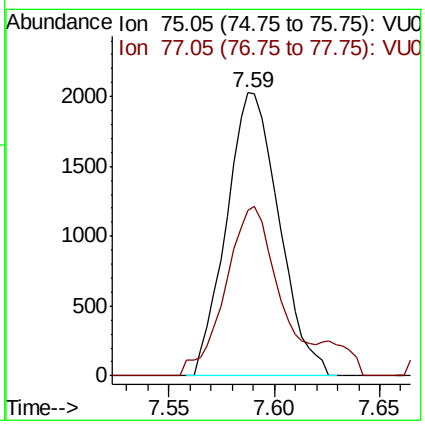


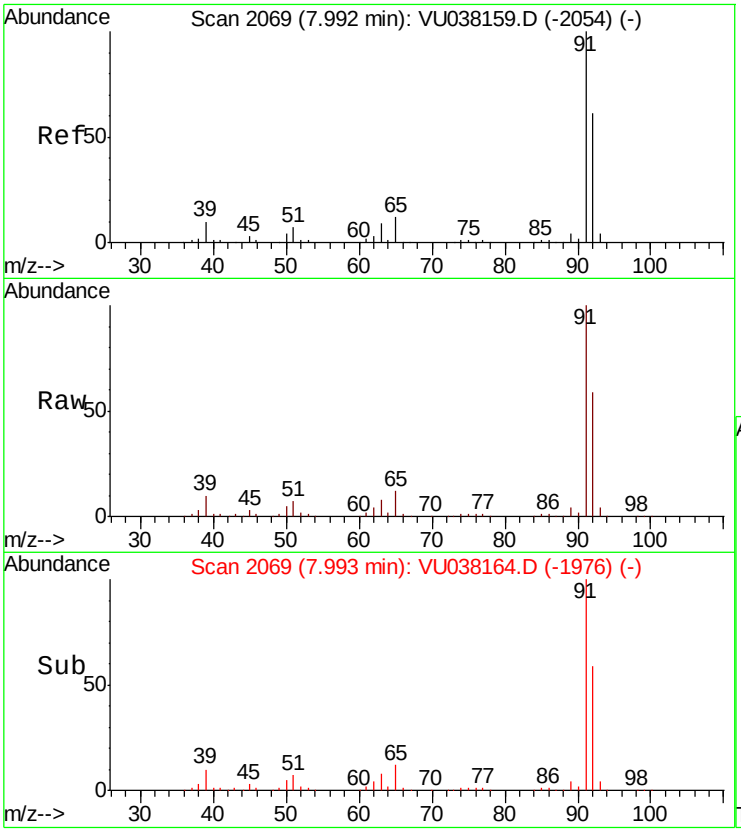


#39
cis-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.59 min Scan# 1943
Delta R.T. -0.04 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion: 75 Resp: 3515

Ion	Ratio	Lower	Upper
75	100		
77	58.5	22.4	41.6#



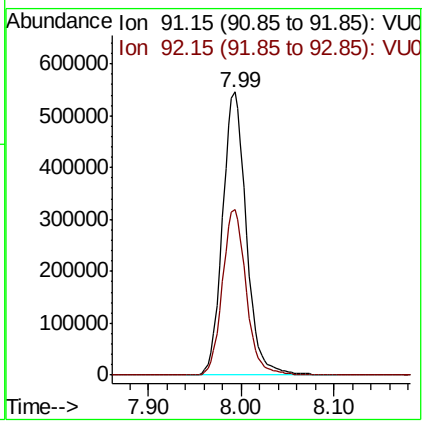


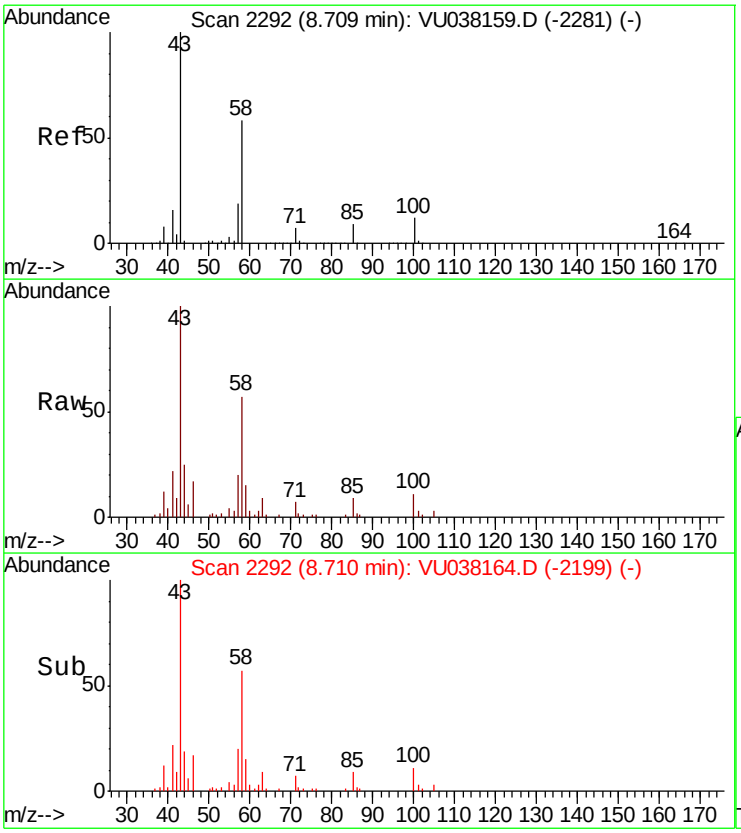
#42
Toluene
Concen: 8.466 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. 0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 91 Resp: 970124

Ion	Ratio	Lower	Upper
91	100		
92	58.6	40.9	75.9

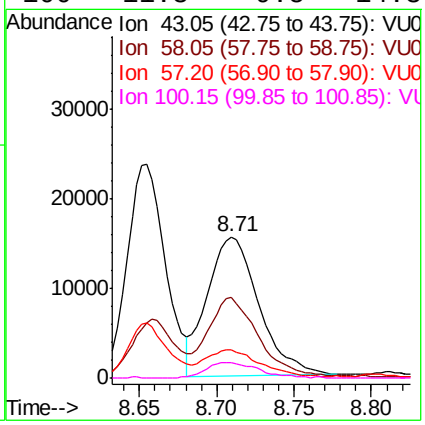


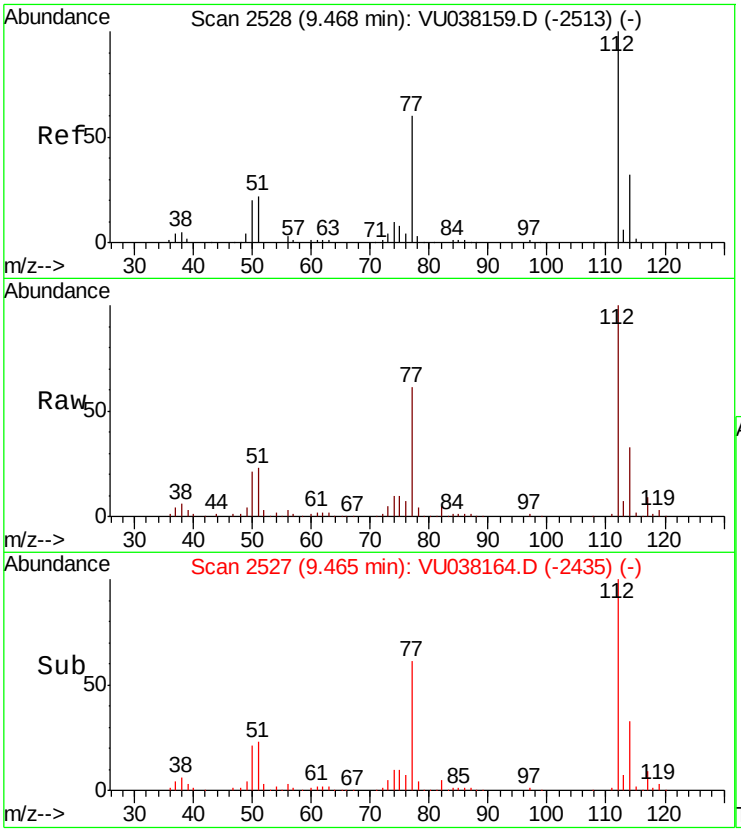


#48
2-Hexanone
Concen: 2.410 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion: 43 Resp: 36064

Ion	Ratio	Lower	Upper
43	100		
58	53.8	45.2	67.8
57	20.8	15.5	23.3
100	11.3	9.5	14.3



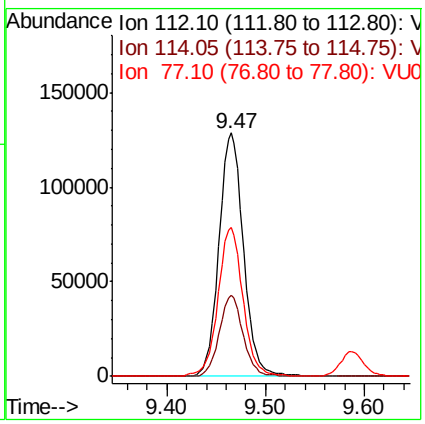


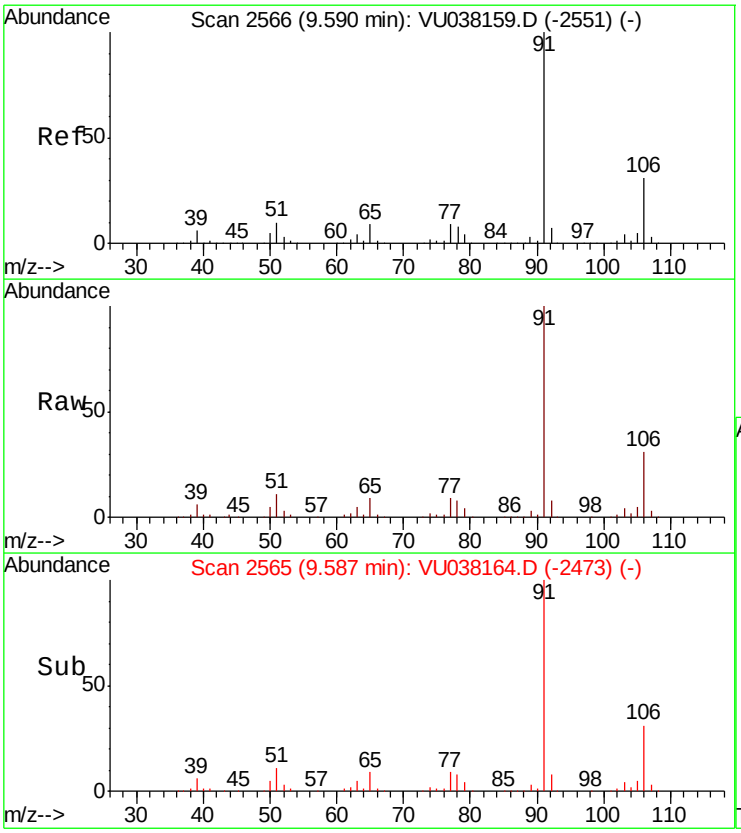
#51
Chlorobenzene
Concen: 3.154 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:112 Resp: 224307

Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.5	41.7
77	61.3	49.9	74.9

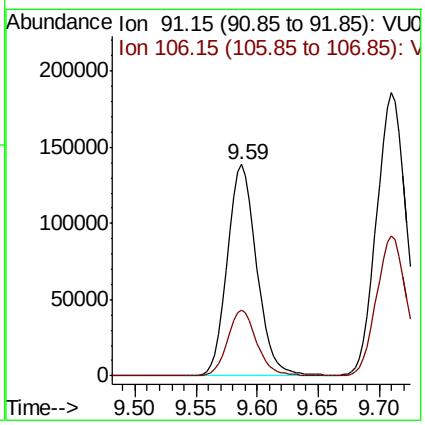


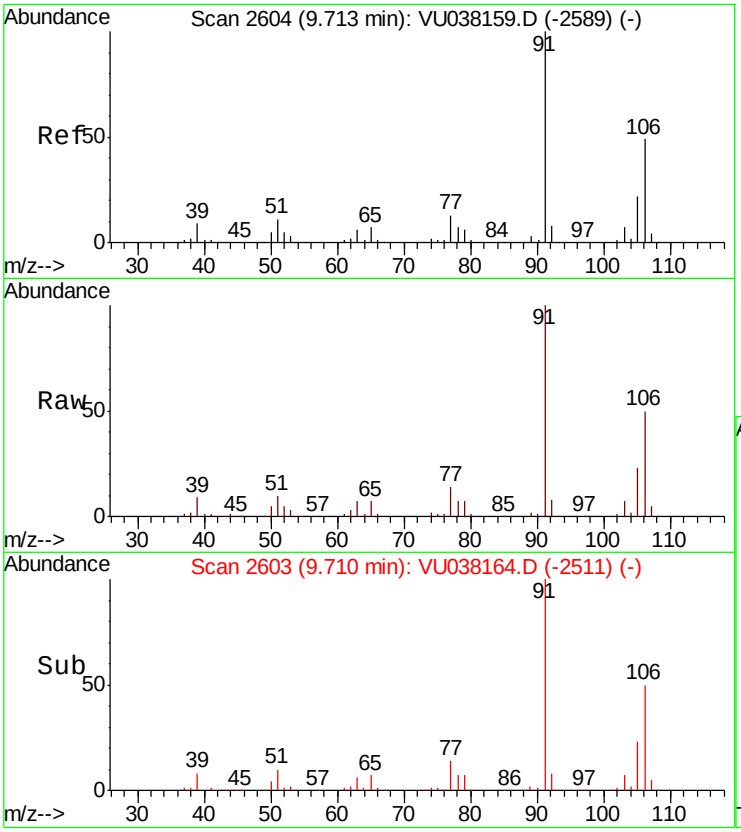


#52
Ethylbenzene
Concen: 1.889 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion: 91 Resp: 234532

Ion	Ratio	Lower	Upper
91	100		
106	31.0	21.8	40.4



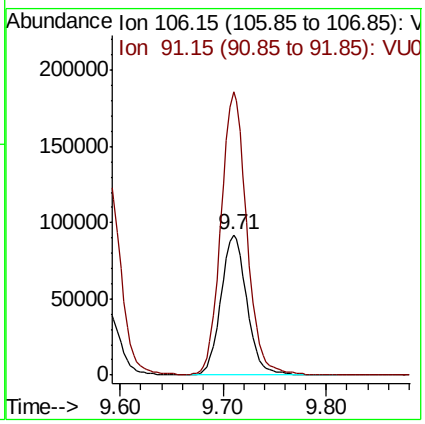


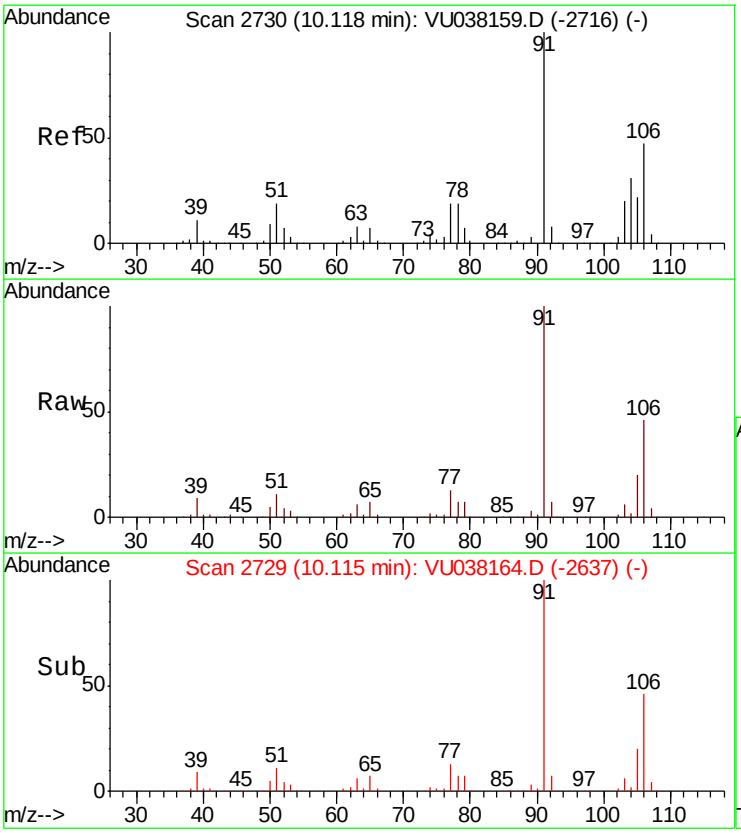
#53
m,p-Xylene
Concen: 3.384 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 161058

Ion	Ratio	Lower	Upper
106	100		
91	201.6	142.1	263.9

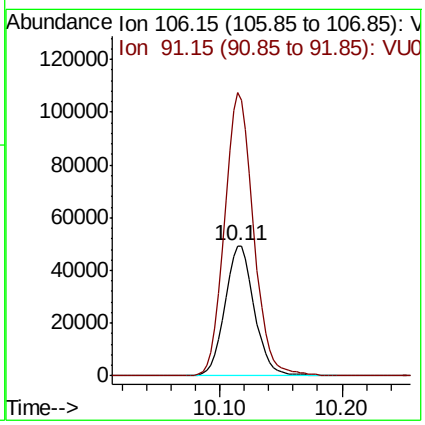


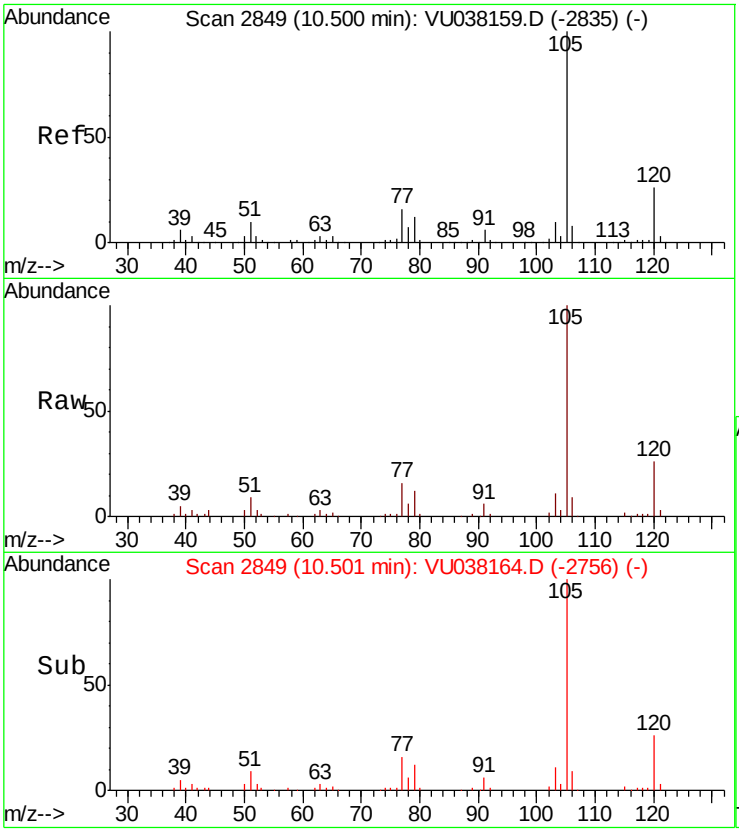


#54
o-Xylene
Concen: 1.804 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion:106 Resp: 83017

Ion	Ratio	Lower	Upper
106	100		
91	217.8	148.5	275.9



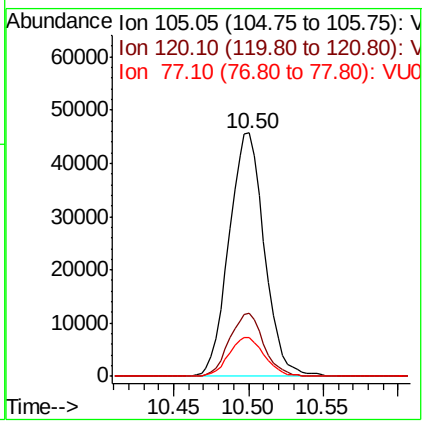


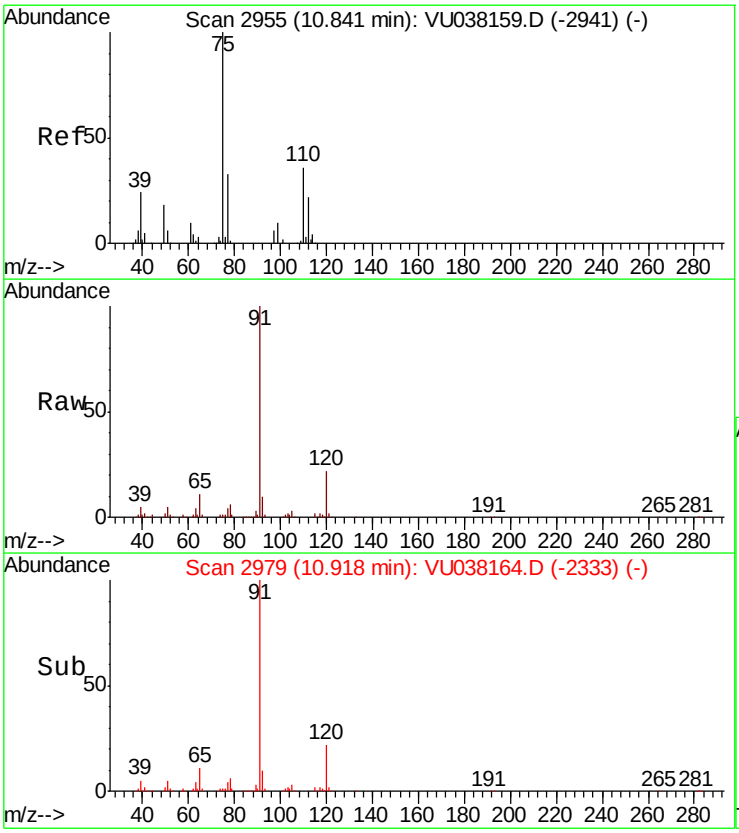
#56
Isopropylbenzene
Concen: 0.637 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 75264

Ion	Ratio	Lower	Upper
105	100		
120	25.0	21.0	31.6
77	16.0	13.0	19.4

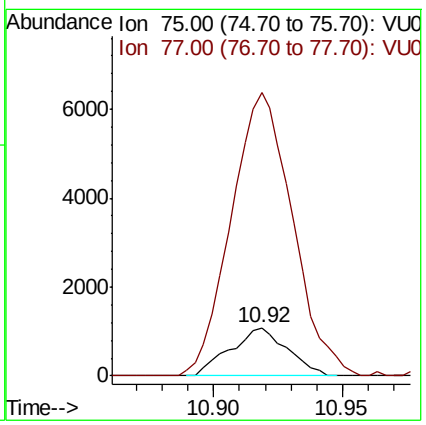


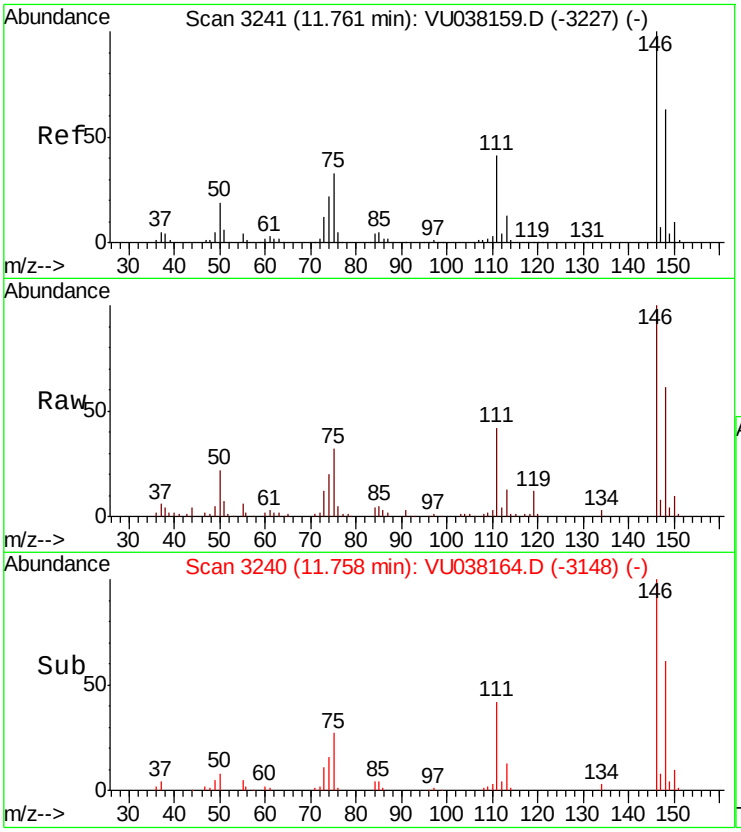


#59
1,2,3-Trichloropropane
Concen: 0.084 ug/L
RT: 10.92 min Scan# 2979
Delta R.T. 0.08 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion: 75 Resp: 1656

Ion	Ratio	Lower	Upper
75	100		
77	638.6	25.4	38.0#



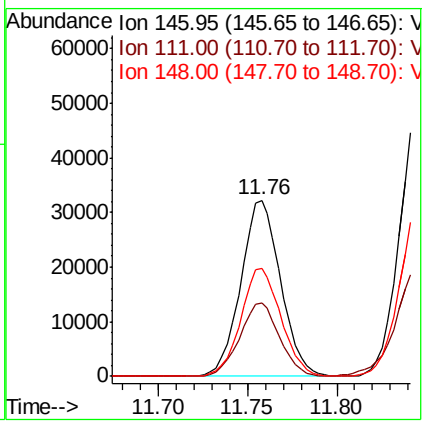


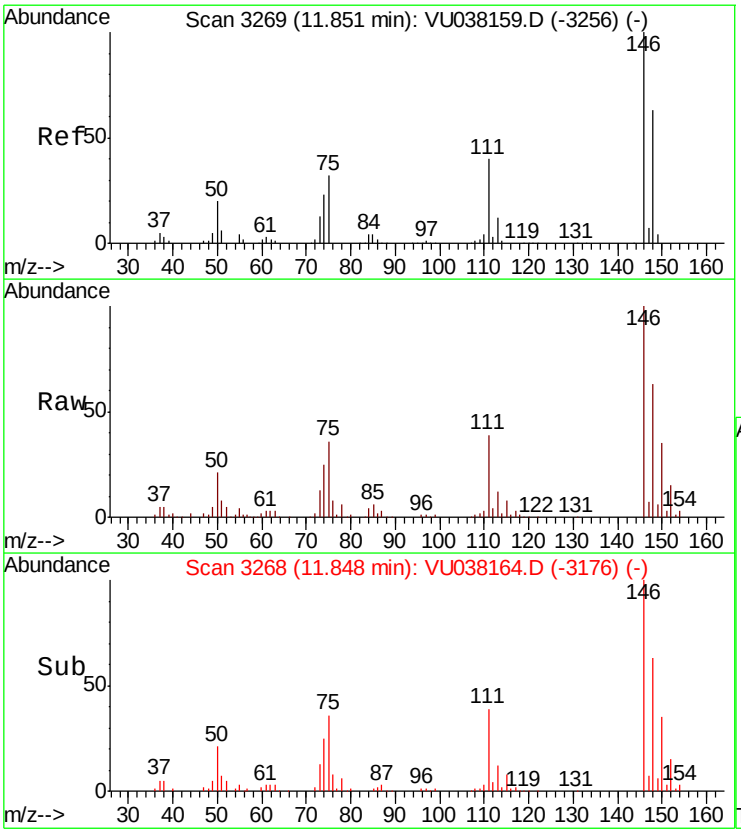
#62
1,3-Dichlorobenzene
Concen: 0.910 ug/L
RT: 11.76 min Scan# 3240
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 50228

Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.6	53.2
148	61.3	45.2	84.0

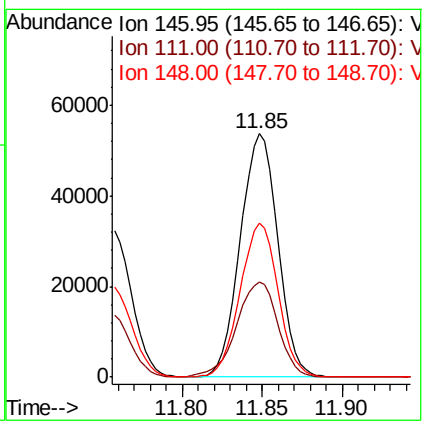


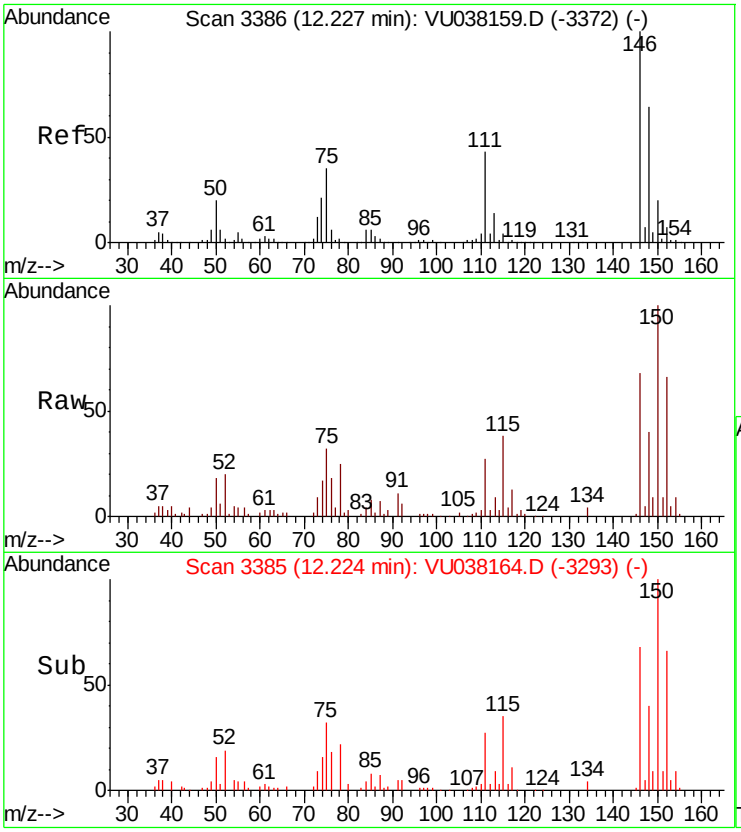


#63
1,4-Dichlorobenzene
Concen: 1.544 ug/L
RT: 11.85 min Scan# 3268
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion:146 Resp: 86313

Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.2	50.6
148	63.5	43.8	81.3



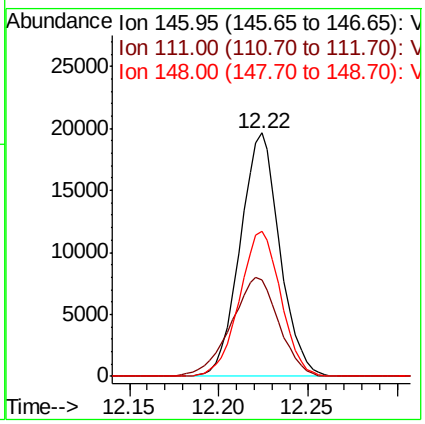


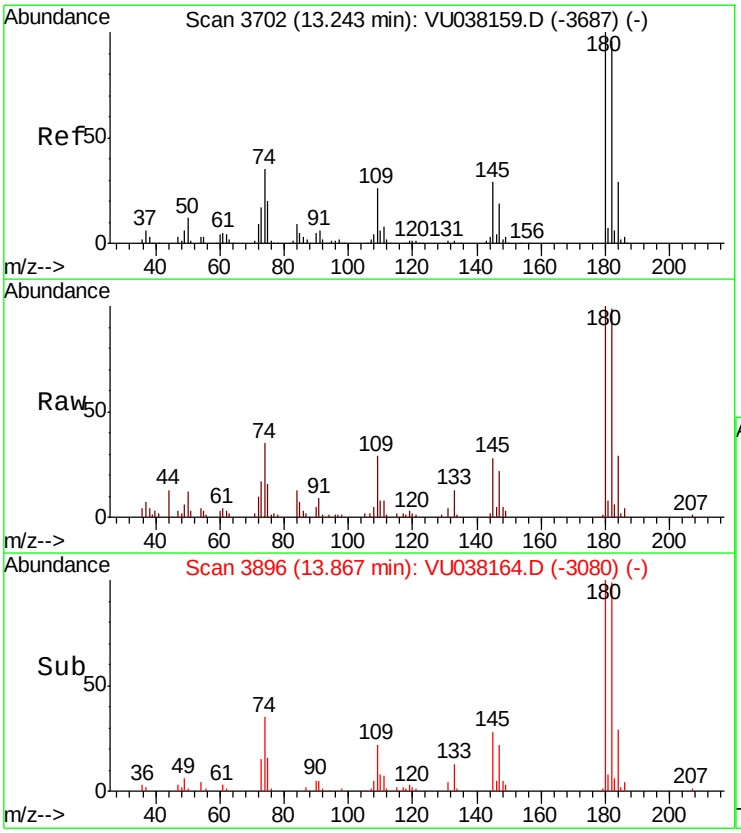
#65
1,2-Dichlorobenzene
Concen: 0.573 ug/L
RT: 12.22 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 30442

Ion	Ratio	Lower	Upper
146	100		
111	39.6	35.3	52.9
148	59.5	51.0	76.4

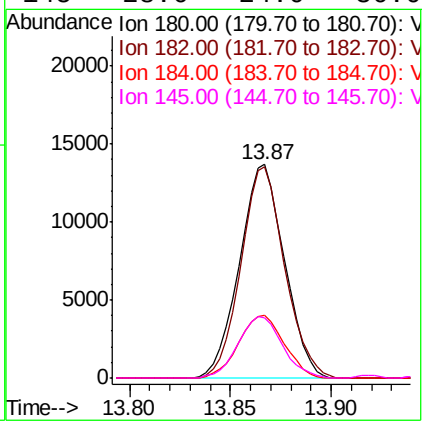


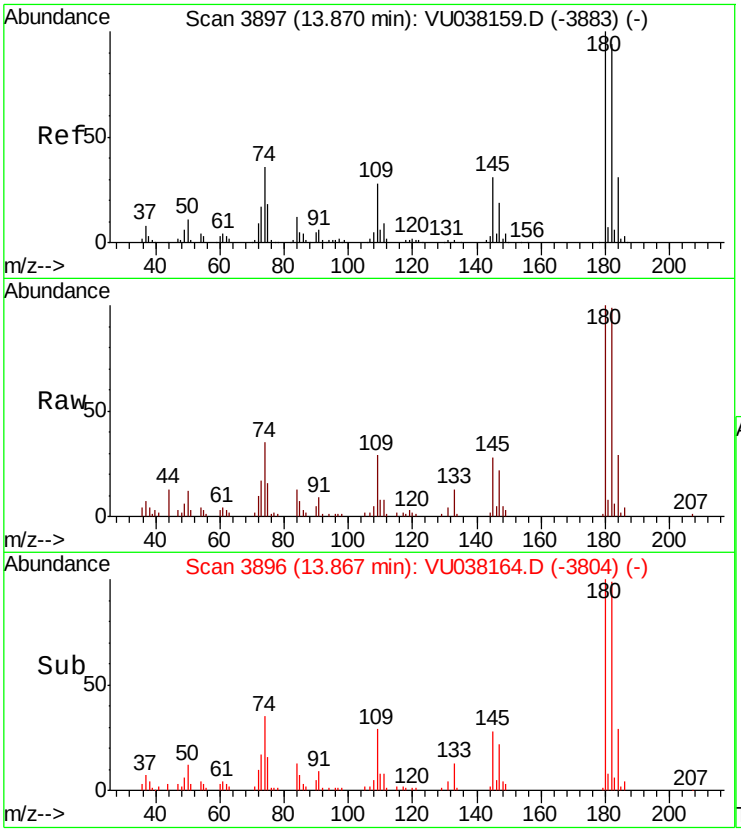


#67
1,3,5-Trichlorobenzene
Concen: 0.533 ug/L
RT: 13.87 min Scan# 3896
Delta R.T. 0.62 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion:180 Resp: 21323

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.4	116.2
184	29.8	24.2	36.2
145	28.6	24.0	36.0



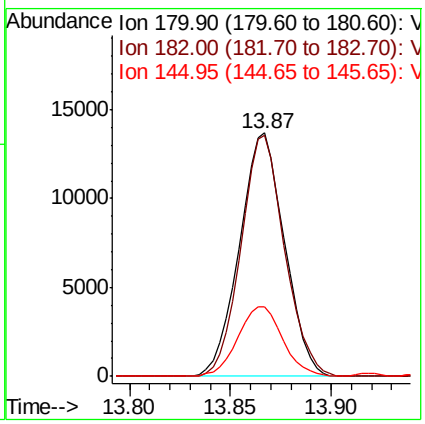


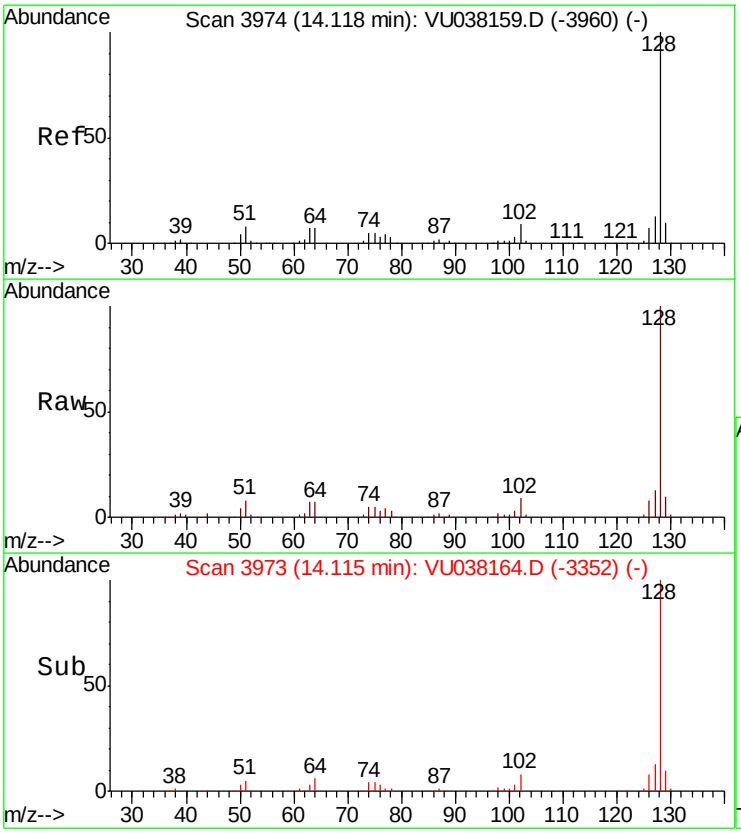
#68
1,2,4-trichlorobenzene
Concen: 0.587 ug/L
RT: 13.87 min Scan# 3896
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 21323

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.6
145	28.6	24.8	37.2

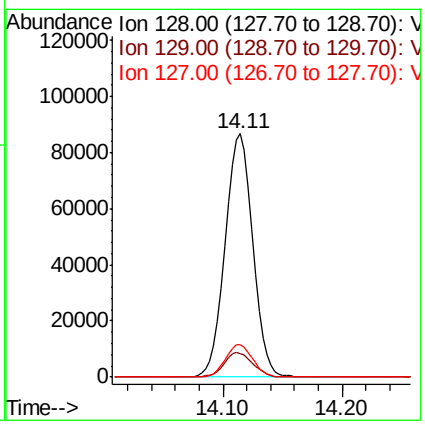


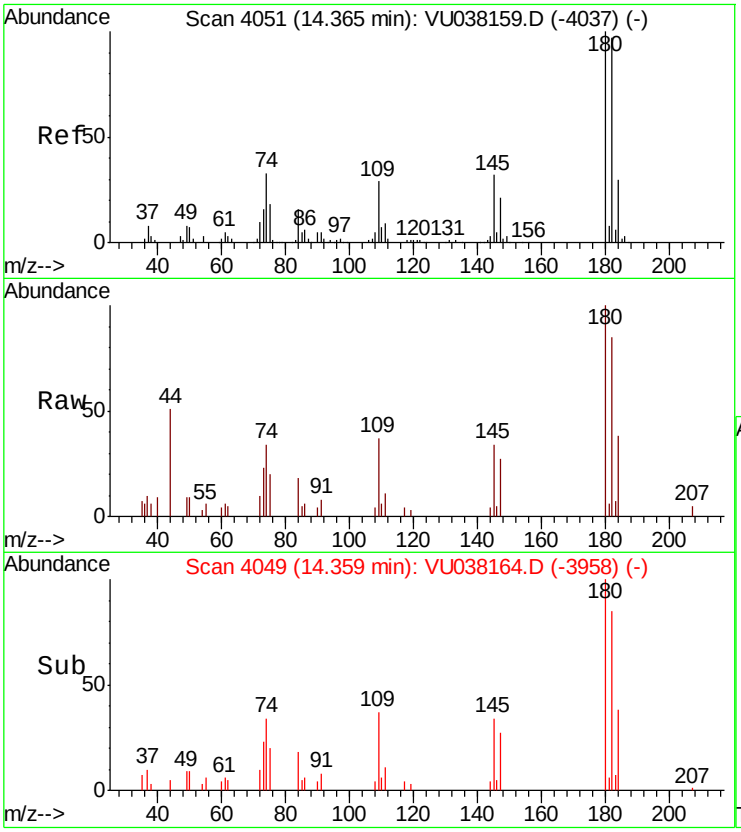


#69
Naphthalene
Concen: 1.831 ug/L
RT: 14.11 min Scan# 3973
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion:128 Resp: 139974

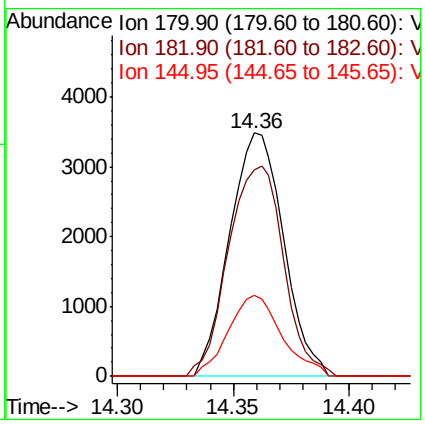
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.7	13.1
127	13.1	10.2	15.4





#70
1,2,3-Trichlorobenzene
Concen: 0.167 ug/L
RT: 14.36 min Scan# 4049
Delta R.T. -0.01 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 5631

Ion	Ratio	Lower	Upper
180	100		
182	88.7	76.3	114.5
145	33.1	26.1	39.1