Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051420\
Data File : VU038162.D
Acq On : 14 May 2020 12:28
Operator : JC/MD
Sample : L2630-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: May 15 01:07:32 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	349762	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	340506	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	163477	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	112488	3.52	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 70.40%			
7) Chloroethane-d5	1.93	69	108666	3.93	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 78.60%			
11) 1,1-Dichloroethene-d2	2.59	63	152025	2.84	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 56.80%#			
20) 2-Butanone-d5	4.68	46	443256	56.16	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 112.32%			
24) Chloroform-d	5.10	84	213602	4.40	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 88.00%			
26) 1,2-Dichloroethane-d4	5.74	65	130692	4.70	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.00%			
32) Benzene-d6	5.76	84	451955	4.43	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 88.60%			
36) 1,2-Dichloropropane-d6	6.72	67	151495	4.60	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 92.00%			
41) Toluene-d8	7.92	98	389478	4.25	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 85.00%			
43) trans-1,3-Dichloropropene-	8.20	79	54626	4.14	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 82.80%			
46) 2-Hexanone-d5	8.65	63	360127	57.81	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 115.62%			
57) 1,1,2,2-Tetrachloroethane-	10.77	84	125805	4.84	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 96.80%			
64) 1,2-Dichlorobenzene-d4	12.20	152	148209	4.66	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.20%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	220913	5.848	ug/L	99
12) 1,1-Dichloroethene	2.60	96	4768	0.196	ug/L #	1
15) Methyl Acetate	3.07	43	7946	0.574	ug/L #	53
18) trans-1,2-Dichloroethene	3.38	96	5779	0.218	ug/L	97
19) 1,1-Dichloroethane	3.91	63	169838	3.281	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	149505	5.235	ug/L	99
25) Chloroform	5.13	83	25717	0.533	ug/L	97
27) 1,2-Dichloroethane	5.83	62	24840	0.729	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	15137	0.388	ug/L	91
30) Cyclohexane	5.42	56	11409	0.248	ug/L	99
33) Benzene	5.81	78	45357	0.416	ug/L	100
34) Trichloroethene	6.57	95	6772	0.248	ug/L	96
35) Methylcyclohexane	6.72	83	33611	0.761	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	16009	0.541	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3502	0.083	ug/L #	64
45) 1,1,2-Trichloroethane	8.42	97	12457	0.606	ug/L	97
48) 2-Hexanone	8.71	43	20307	1.351	ug/L	97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051420\
Data File : VU038162.D
Acq On : 14 May 2020 12:28
Operator : JC/MD
Sample : L2630-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: May 15 01:07:32 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)
51) Chlorobenzene	9.47	112	83334	1.167	ug/L		99
54) o-Xylene	10.11	106	7581	0.164	ug/L		87
59) 1,2,3-Trichloropropane	11.83	75	25944	1.305	ug/L		99
62) 1,3-Dichlorobenzene	11.76	146	6452	0.121	ug/L		91
63) 1,4-Dichlorobenzene	11.85	146	11669	0.217	ug/L		95
65) 1,2-Dichlorobenzene	12.22	146	5776	0.113	ug/L	#	80
68) 1,2,4-trichlorobenzene	13.86	180	3056	0.087	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 : VU038162.D
Acq On : 14 May 2020 12:28
Operator : JC/MD
Sample : L2630-04
Misc : 25.0mL/MSVOA_U/WATER
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MSVOA_U
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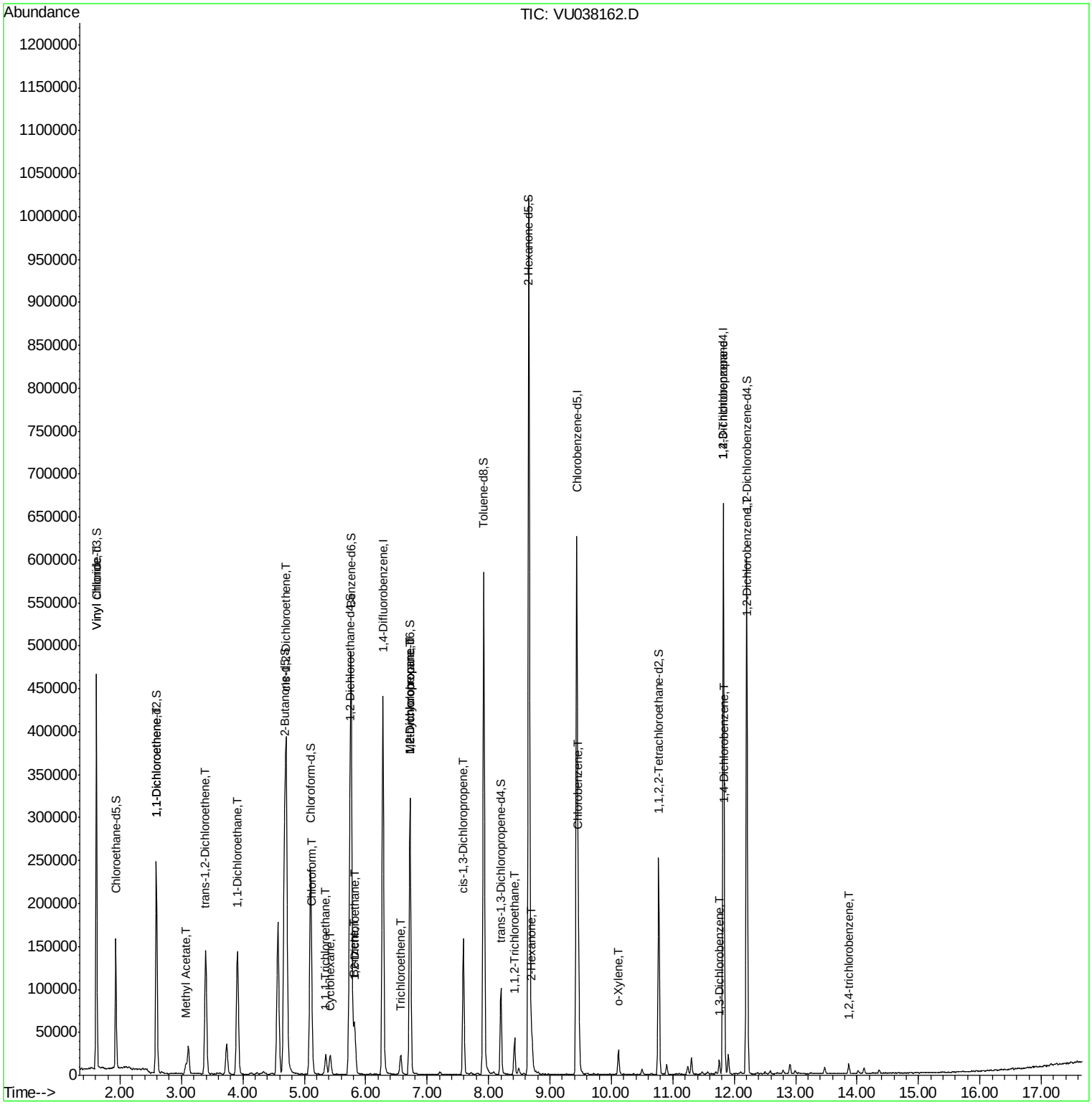
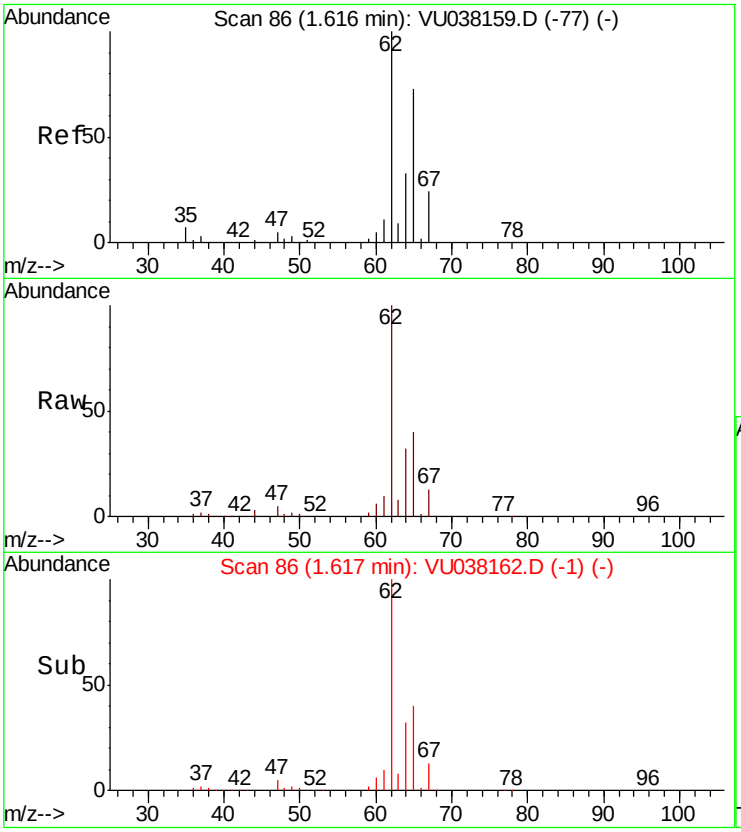
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 01:05:40 2020
Response via : Initial Calibration



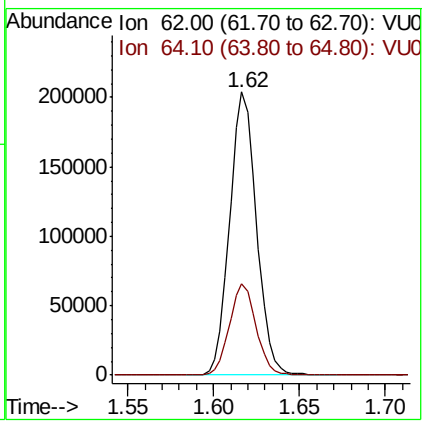


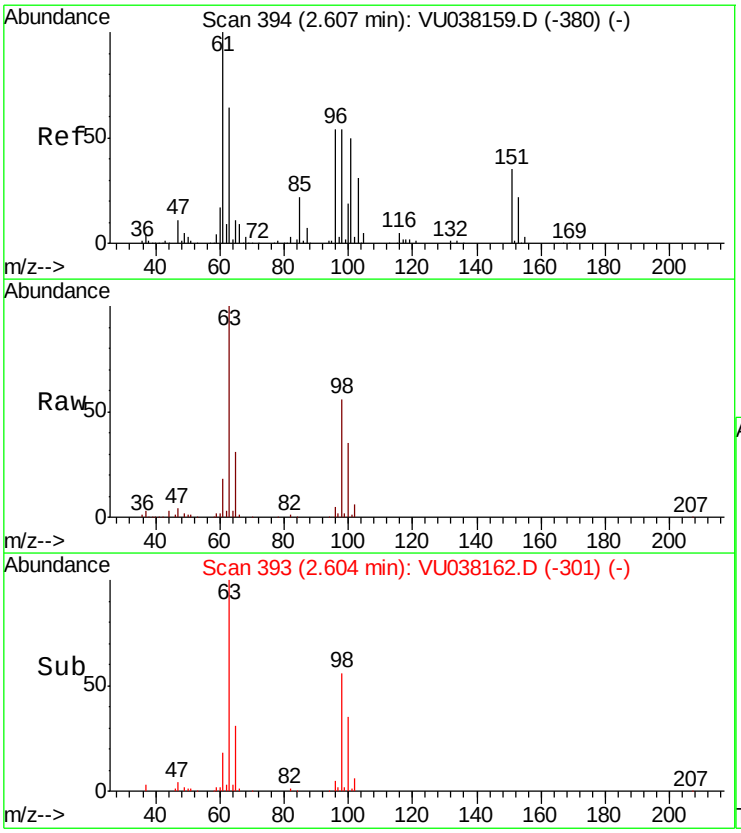
#5
Vinyl chloride
Concen: 5.848 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 62 Resp: 220913

Ion	Ratio	Lower	Upper
62	100		
64	32.1	22.8	42.4

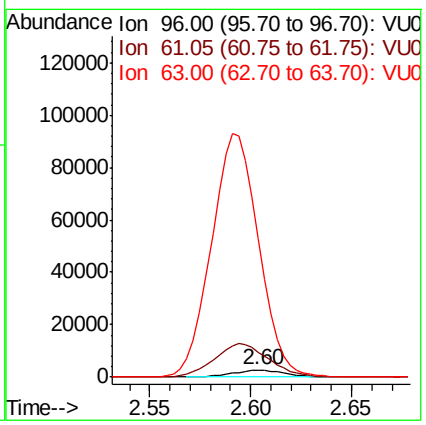


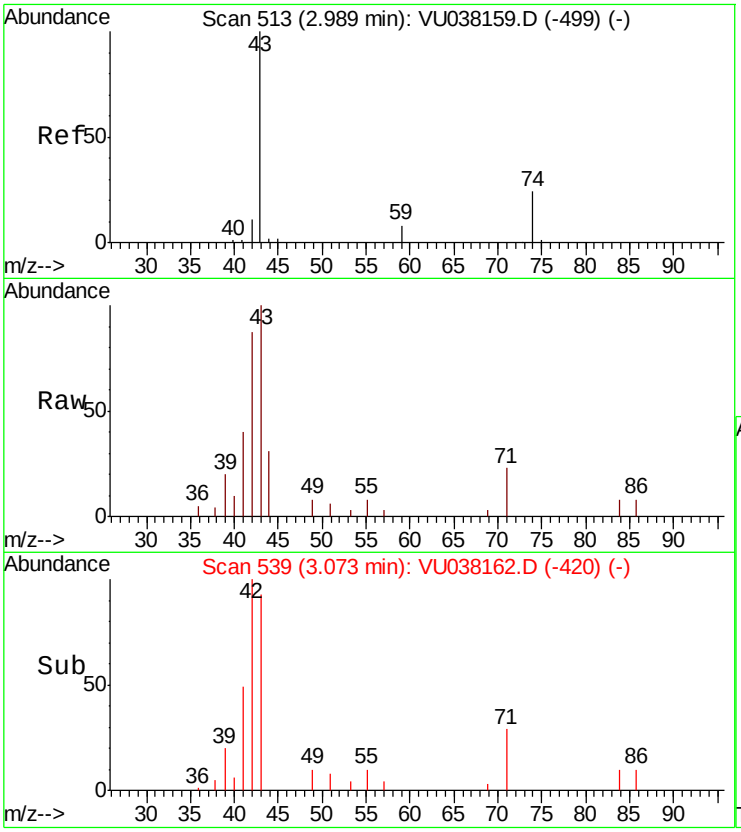


#12
1,1-Dichloroethene
Concen: 0.196 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion: 96 Resp: 4768

Ion	Ratio	Lower	Upper
96	100		
61	359.4	126.2	234.4#
63	1968.2	96.9	179.9#



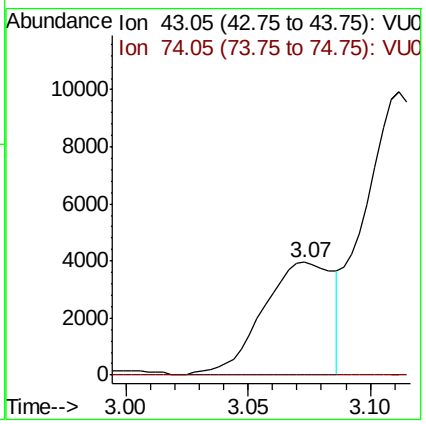


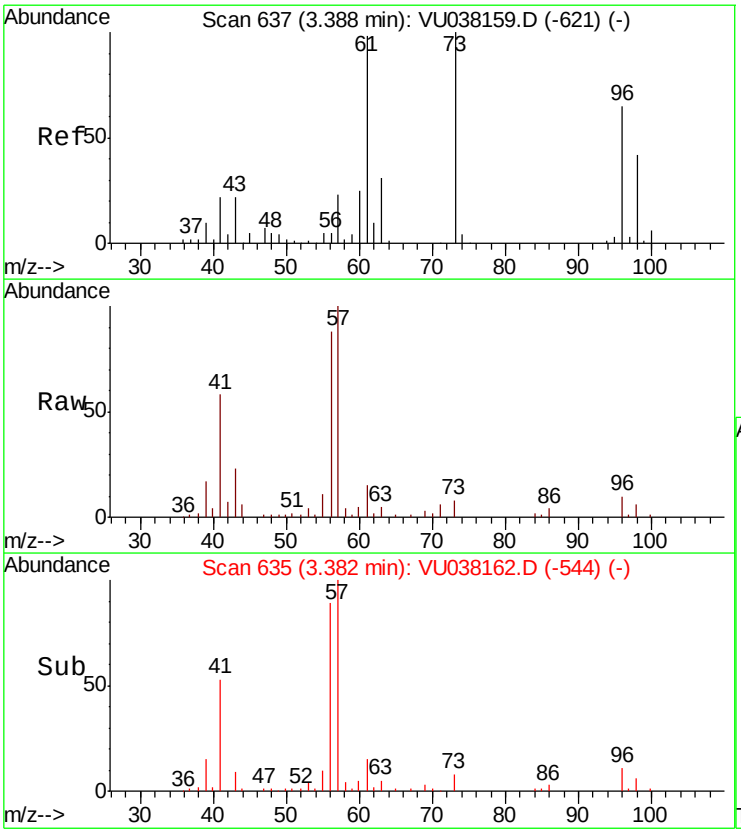
#15
Methyl Acetate
Concen: 0.574 ug/L
RT: 3.07 min Scan# 539
Delta R.T. 0.08 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 7946

Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.0	27.0#

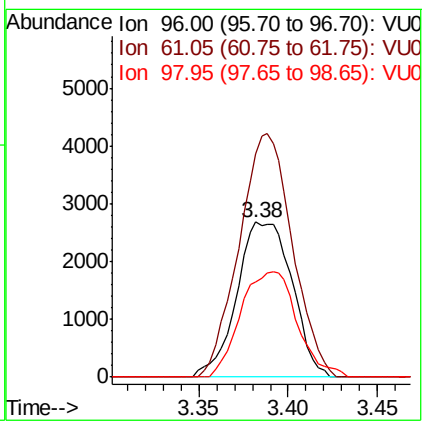


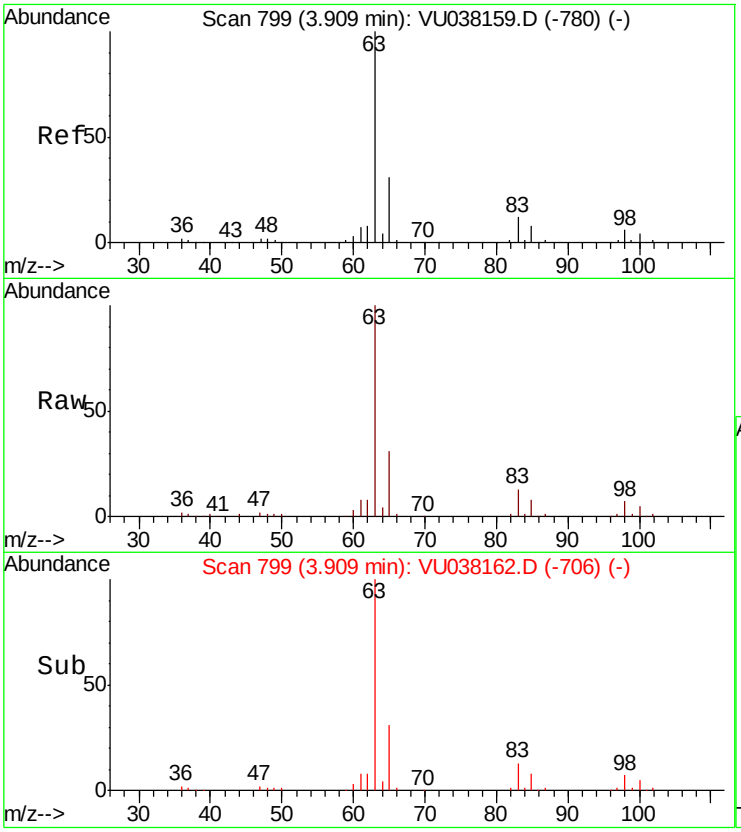


#18
trans-1,2-Dichloroethene
Concen: 0.218 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.01 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion: 96 Resp: 5779

Ion	Ratio	Lower	Upper
96	100		
61	143.7	102.1	189.5
98	61.7	45.6	84.8



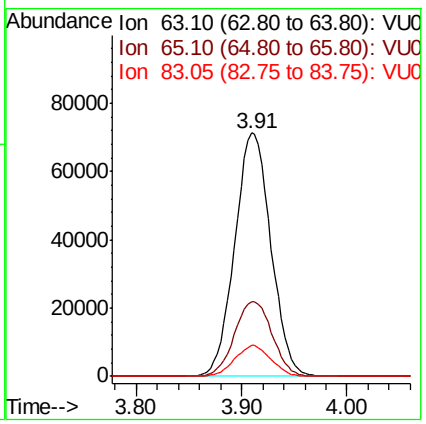


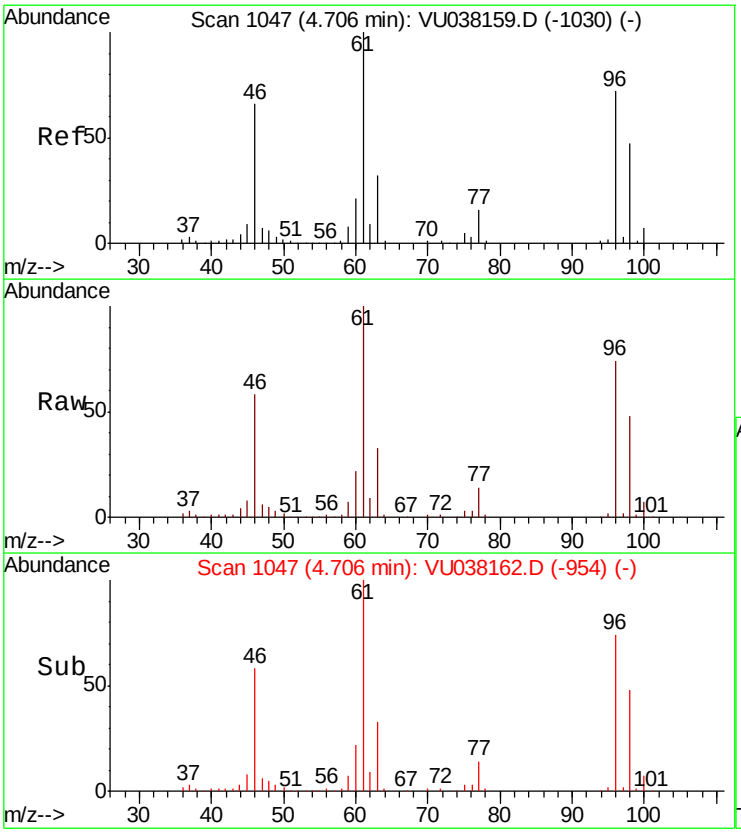
#19
1,1-Dichloroethane
Concen: 3.281 ug/L
RT: 3.91 min Scan# 799
Delta R.T. 0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 169838

Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.5	41.7
83	12.6	8.9	16.5

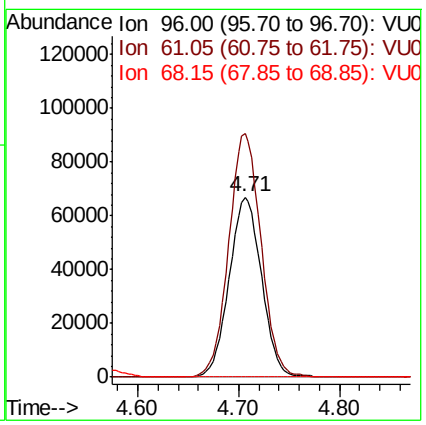


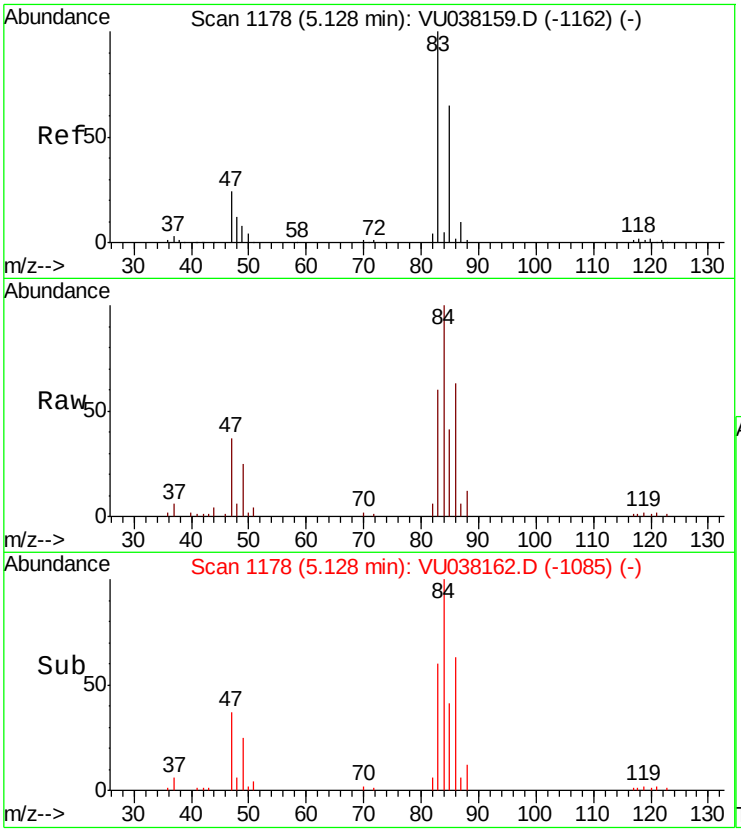


#22
cis-1,2-Dichloroethene
Concen: 5.235 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion: 96 Resp: 149505

Ion	Ratio	Lower	Upper
96	100		
61	135.5	95.3	176.9
68	0.0	0.0	0.0



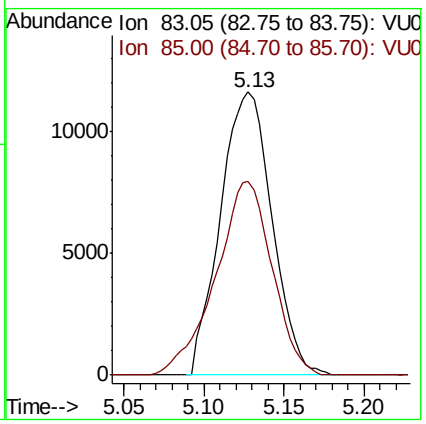


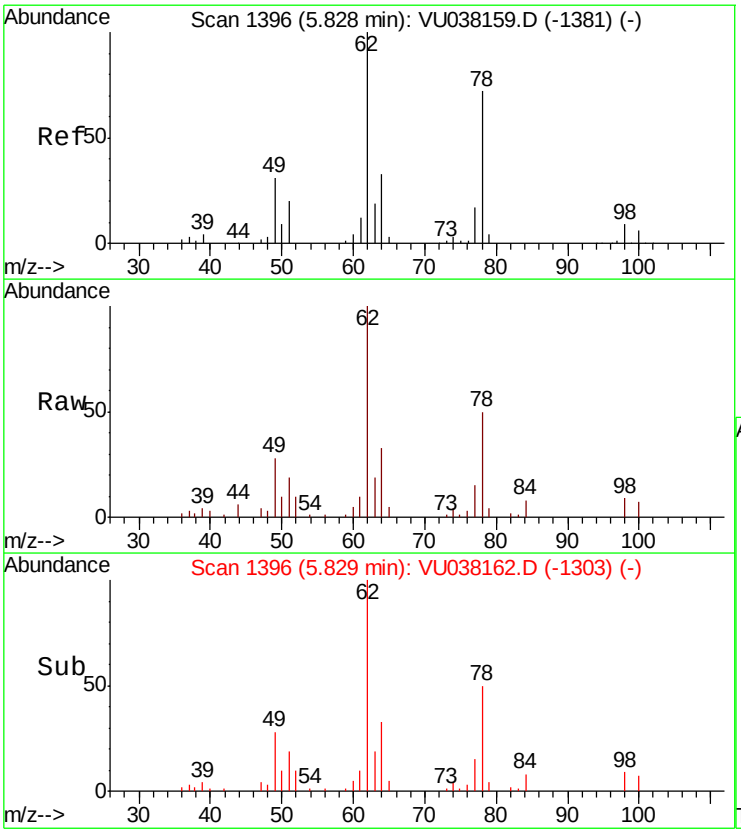
#25
Chloroform
Concen: 0.533 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 25717

Ion	Ratio	Lower	Upper
83	100		
85	68.3	46.2	85.8

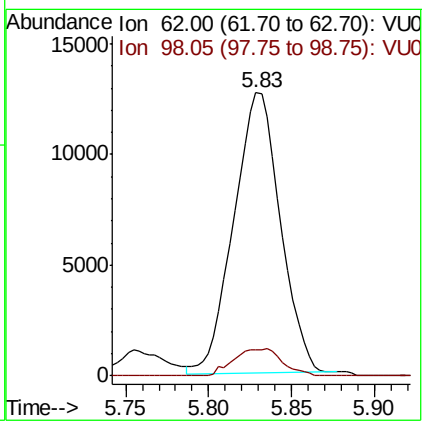


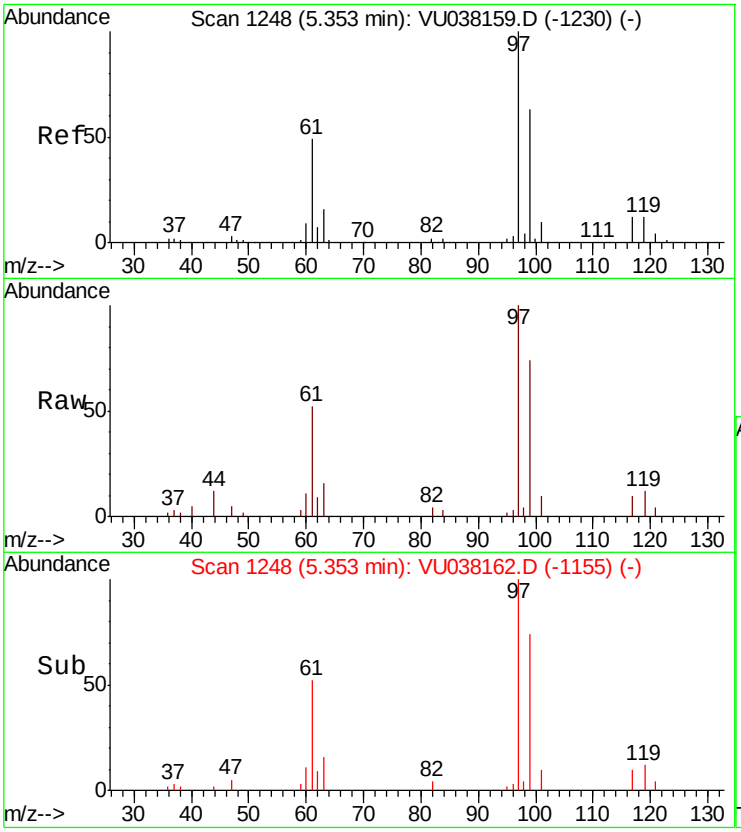


#27
1,2-Dichloroethane
Concen: 0.729 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion: 62 Resp: 24840

Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.8	11.8



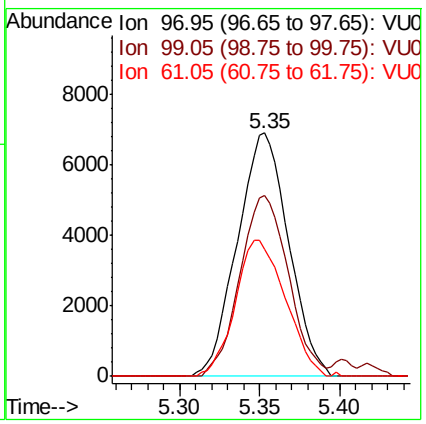


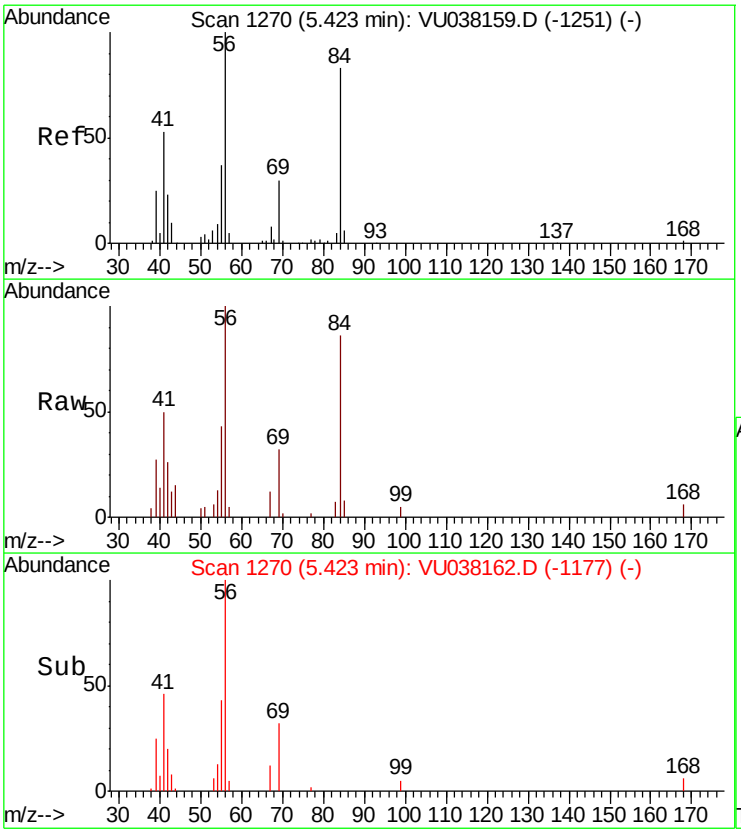
#29
1,1,1-Trichloroethane
Concen: 0.388 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 15137

Ion	Ratio	Lower	Upper
97	100		
99	70.4	51.0	76.4
61	54.5	38.2	57.4

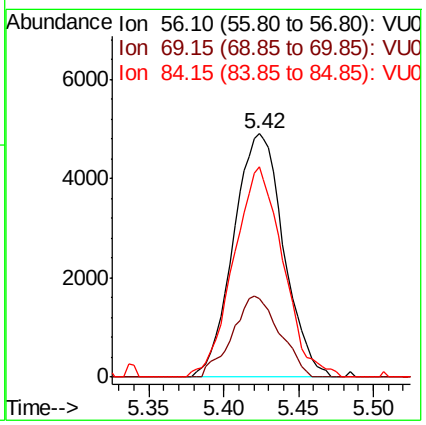


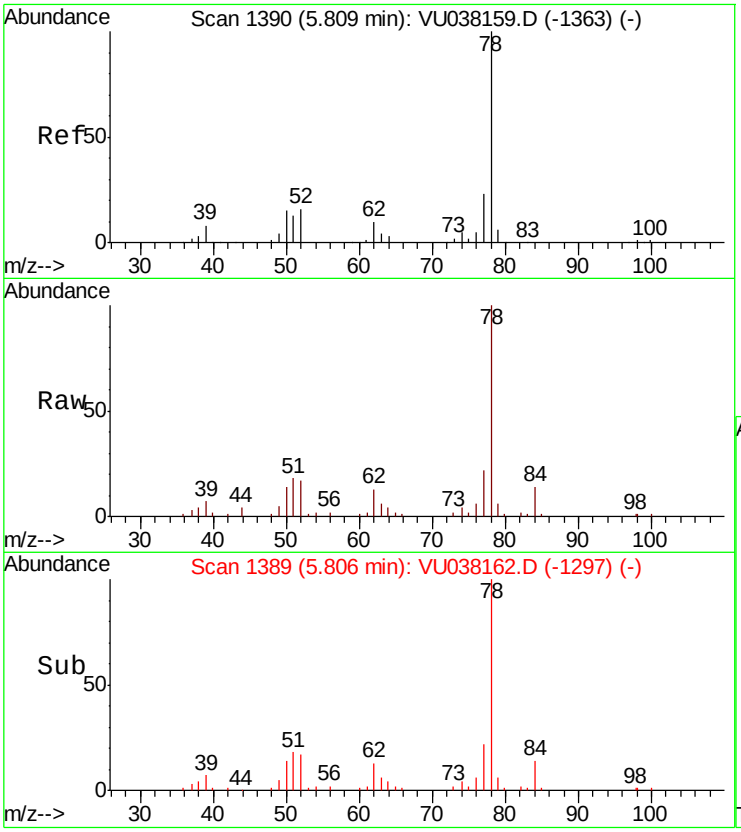


#30
Cyclohexane
Concen: 0.248 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion: 56 Resp: 11409

Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.2	36.4
84	85.4	68.5	102.7

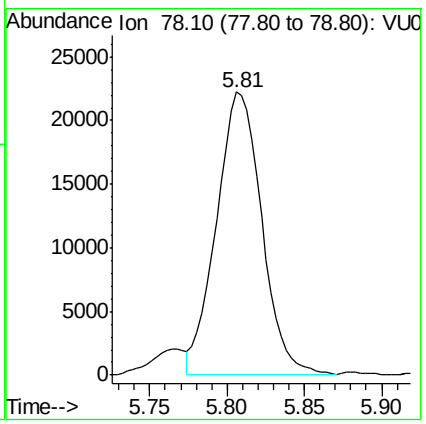


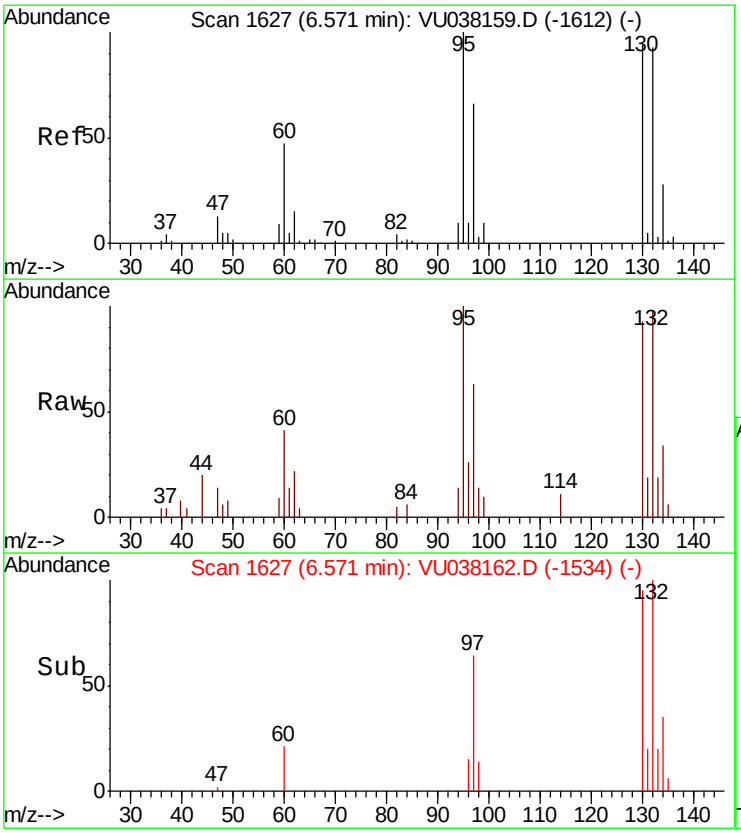


#33
Benzene
Concen: 0.416 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 45357

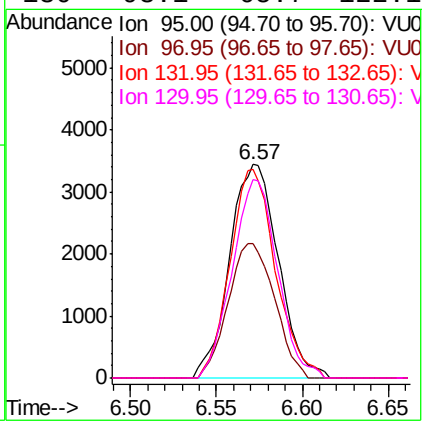


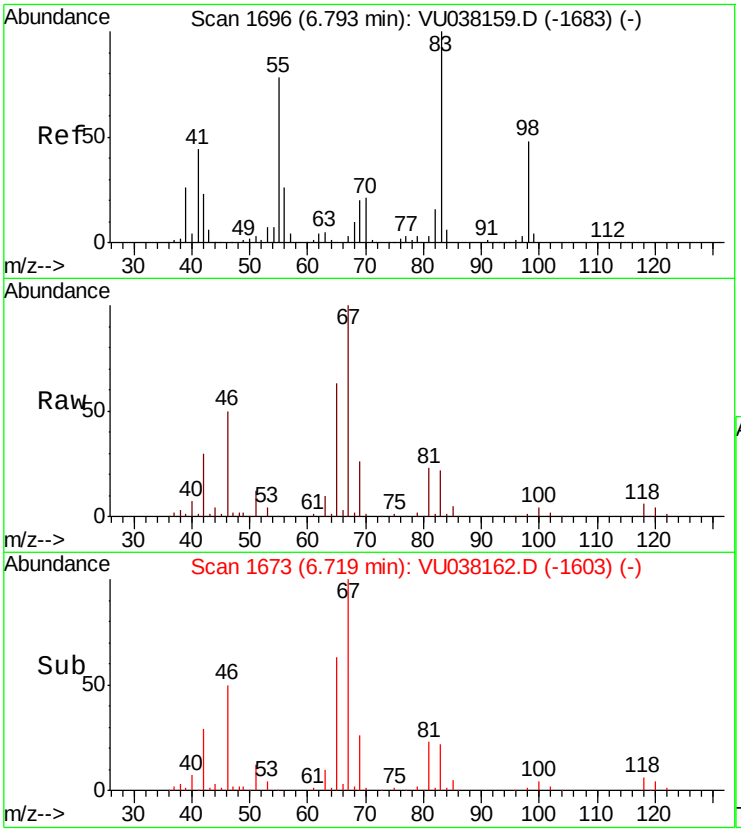


#34
Trichloroethene
Concen: 0.248 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion: 95 Resp: 6772

Ion	Ratio	Lower	Upper
95	100		
97	62.9	44.9	83.3
132	97.6	63.3	117.5
130	93.1	65.7	122.1



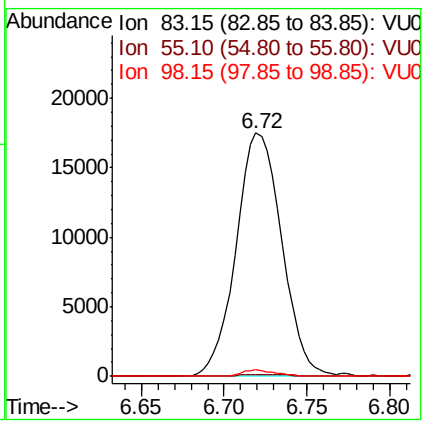


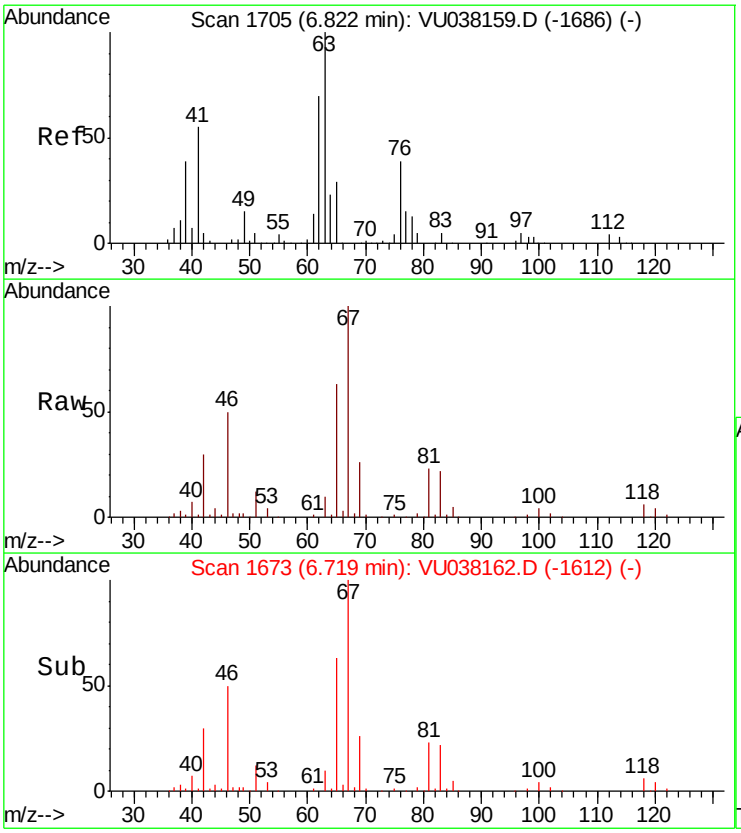
#35
Methylcyclohexane
Concen: 0.761 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 33611

Ion	Ratio	Lower	Upper
83	100		
55	0.5	66.7	100.1#
98	1.9	39.4	59.2#

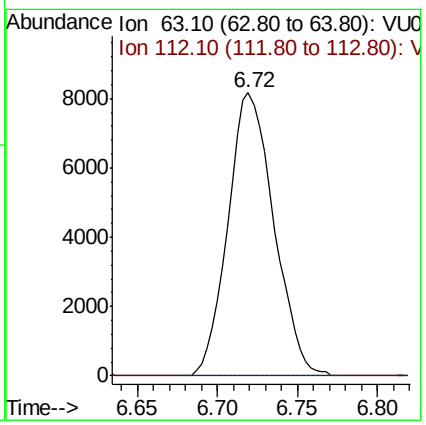


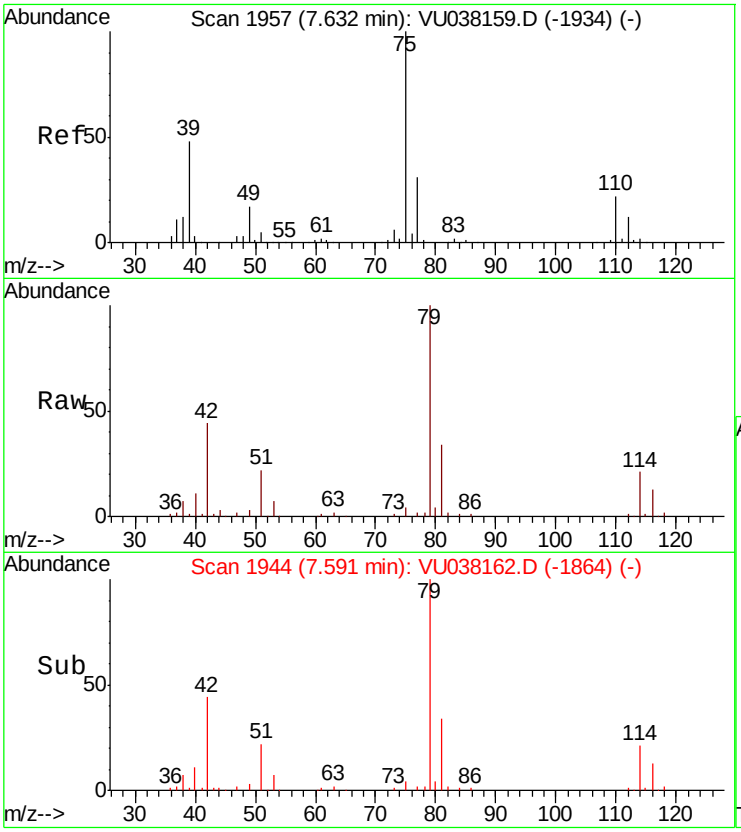


#37
1,2-Dichloropropane
Concen: 0.541 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion: 63 Resp: 16009

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#



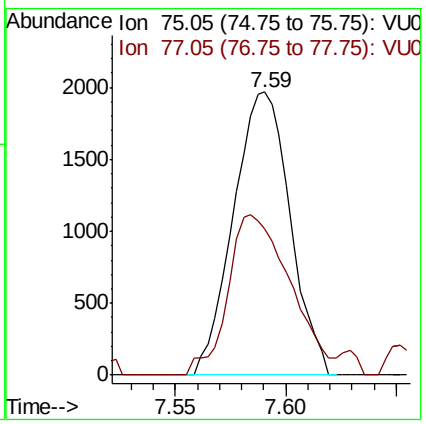


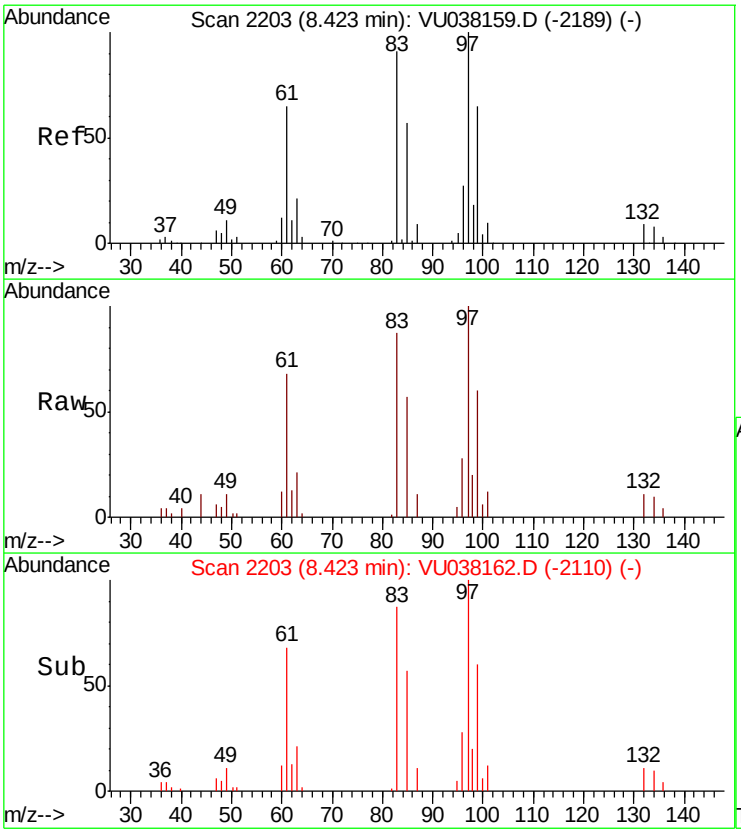
#39
cis-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 3502

Ion	Ratio	Lower	Upper
75	100		
77	51.9	22.4	41.6#

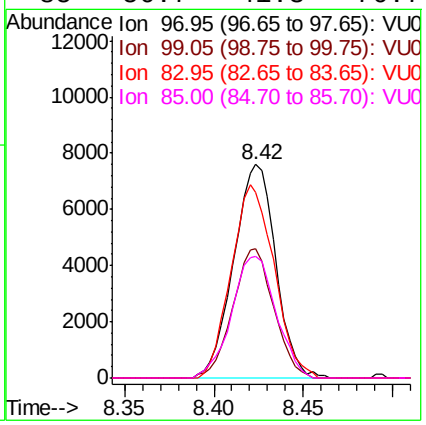


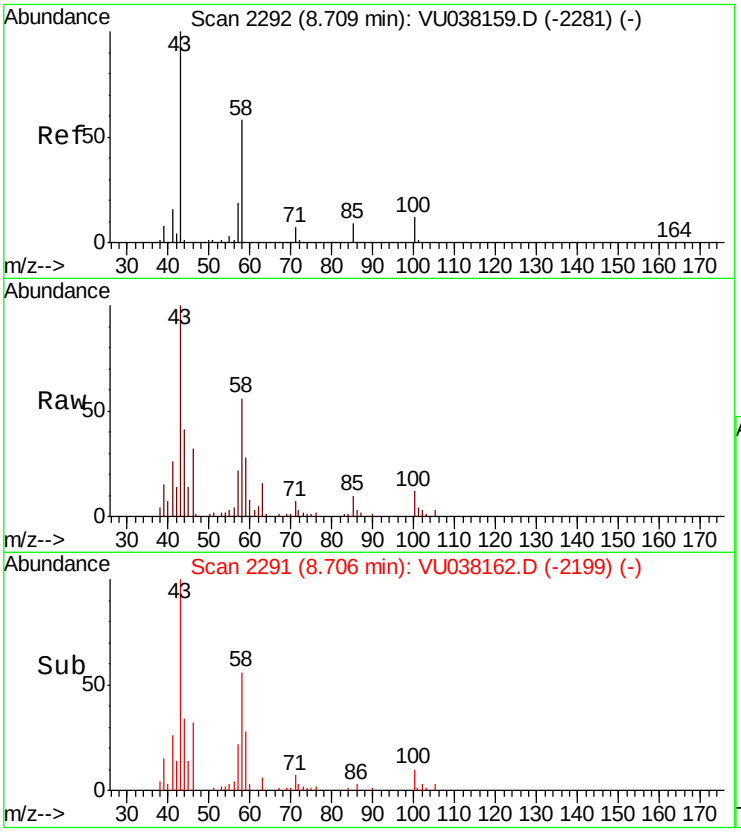


#45
1,1,2-Trichloroethane
Concen: 0.606 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion: 97 Resp: 12457

Ion	Ratio	Lower	Upper
97	100		
99	60.4	44.0	81.6
83	86.8	59.6	110.8
85	56.7	41.3	76.7



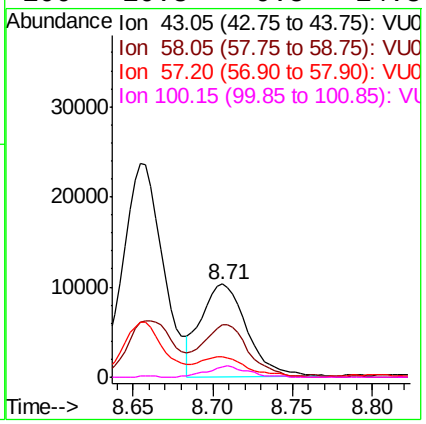


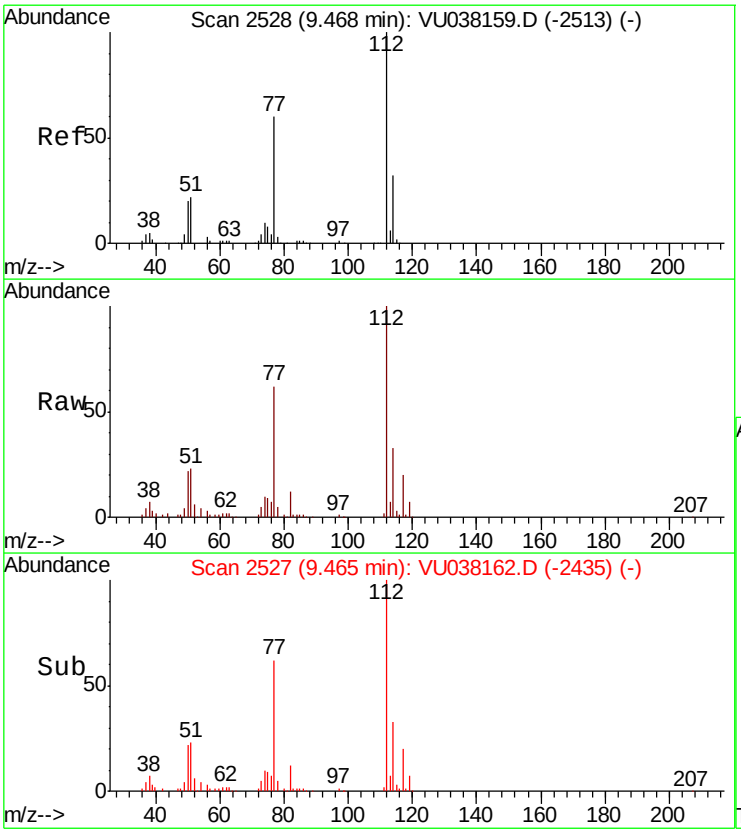
#48
2-Hexanone
Concen: 1.351 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 20307

Ion	Ratio	Lower	Upper
43	100		
58	57.9	45.2	67.8
57	22.9	15.5	23.3
100	10.8	9.5	14.3

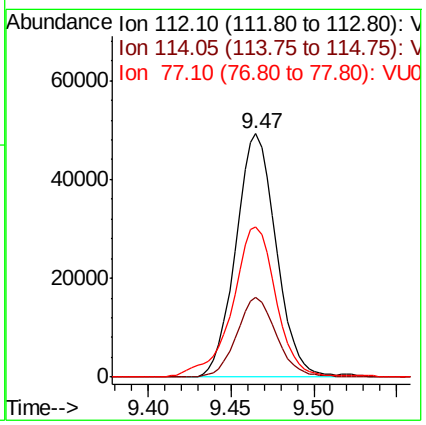


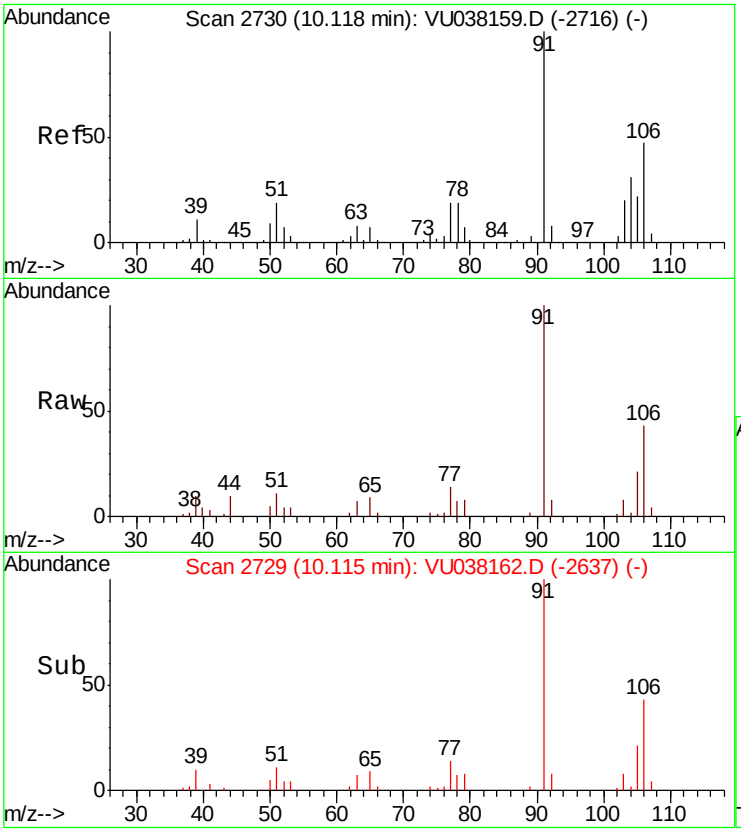


#51
Chlorobenzene
Concen: 1.167 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion:112 Resp: 83334

Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.5	41.7
77	61.7	49.9	74.9



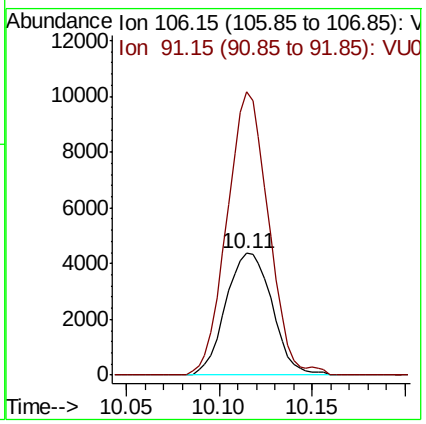


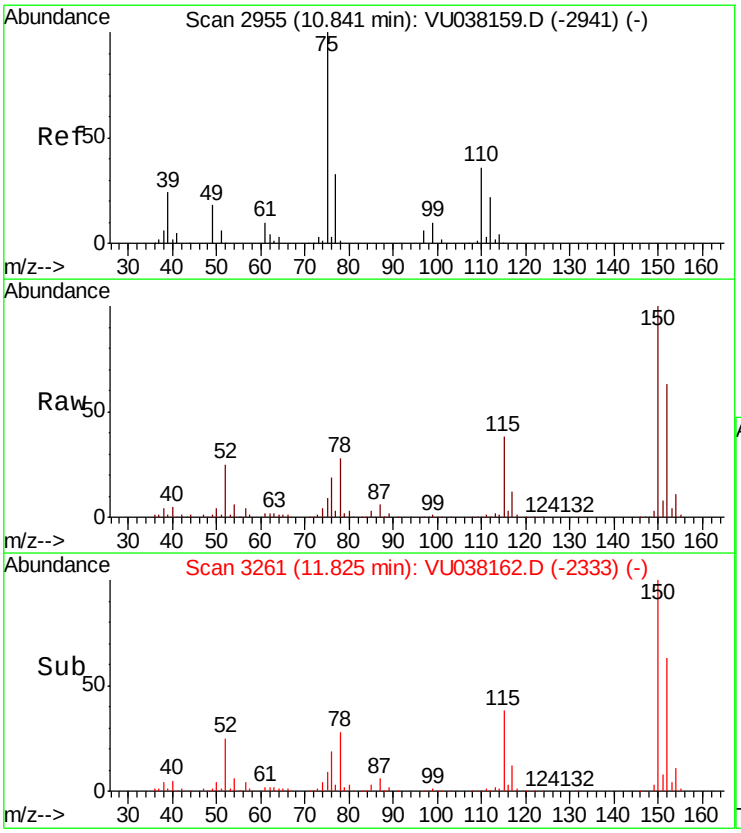
#54
o-Xylene
Concen: 0.164 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 7581

Ion	Ratio	Lower	Upper
106	100		
91	232.7	148.5	275.9

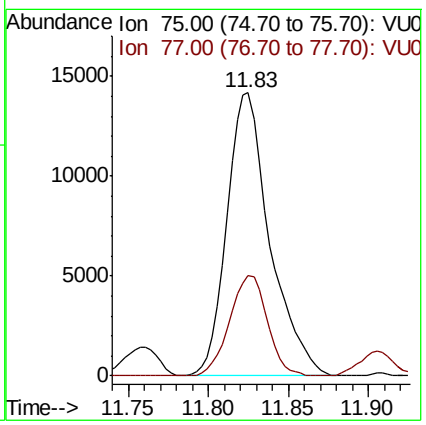


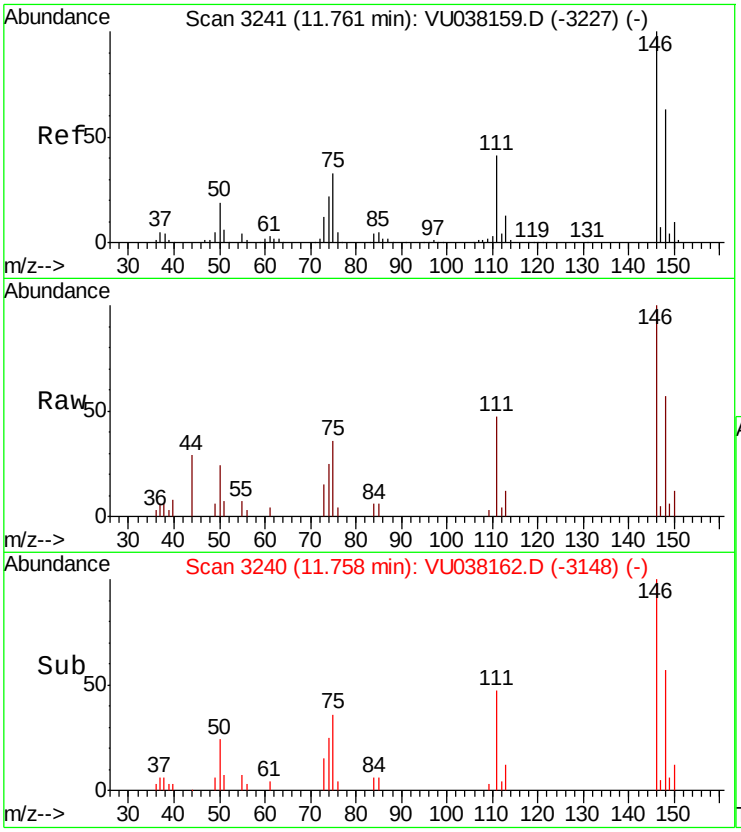


#59
1,2,3-Trichloropropane
Concen: 1.305 ug/L
RT: 11.83 min Scan# 3261
Delta R.T. 0.98 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion: 75 Resp: 25944

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0



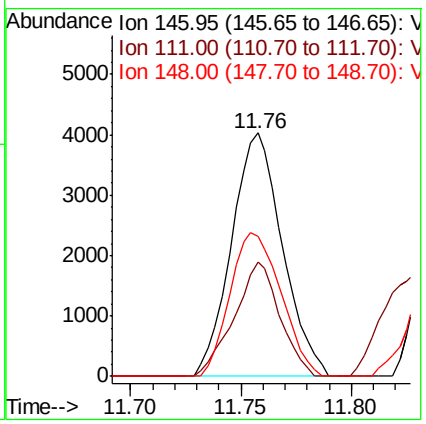


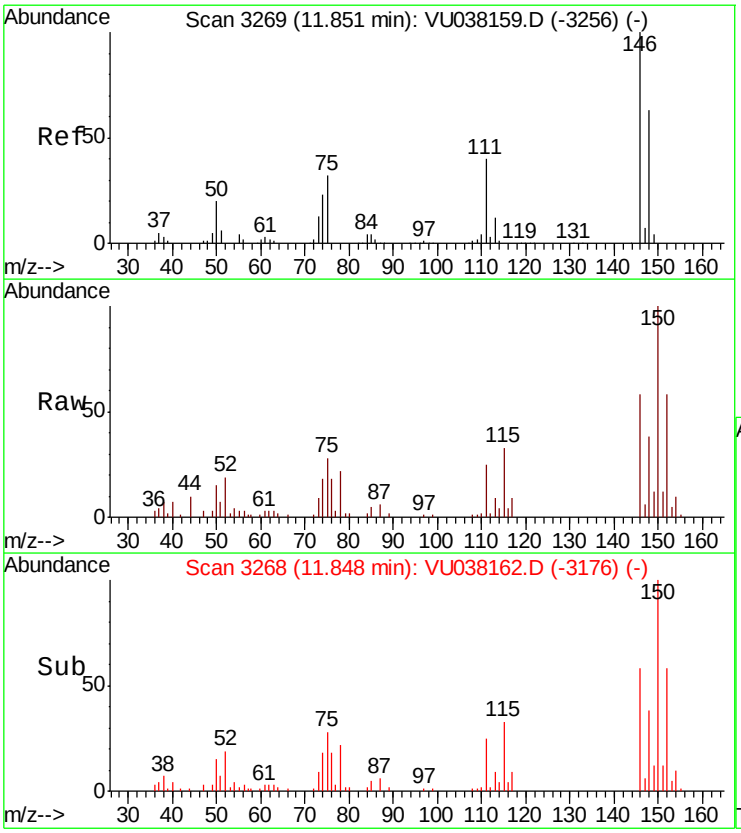
#62
1,3-Dichlorobenzene
Concen: 0.121 ug/L
RT: 11.76 min Scan# 3240
Delta R.T. -0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 6452

Ion	Ratio	Lower	Upper
146	100		
111	46.8	28.6	53.2
148	57.3	45.2	84.0

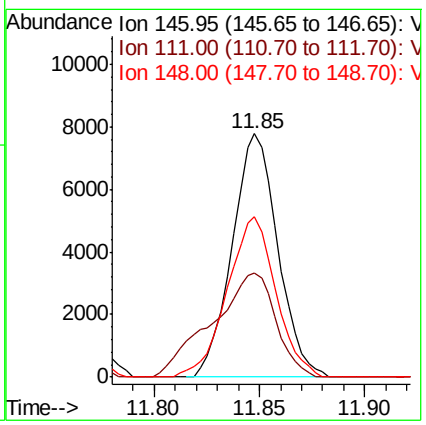


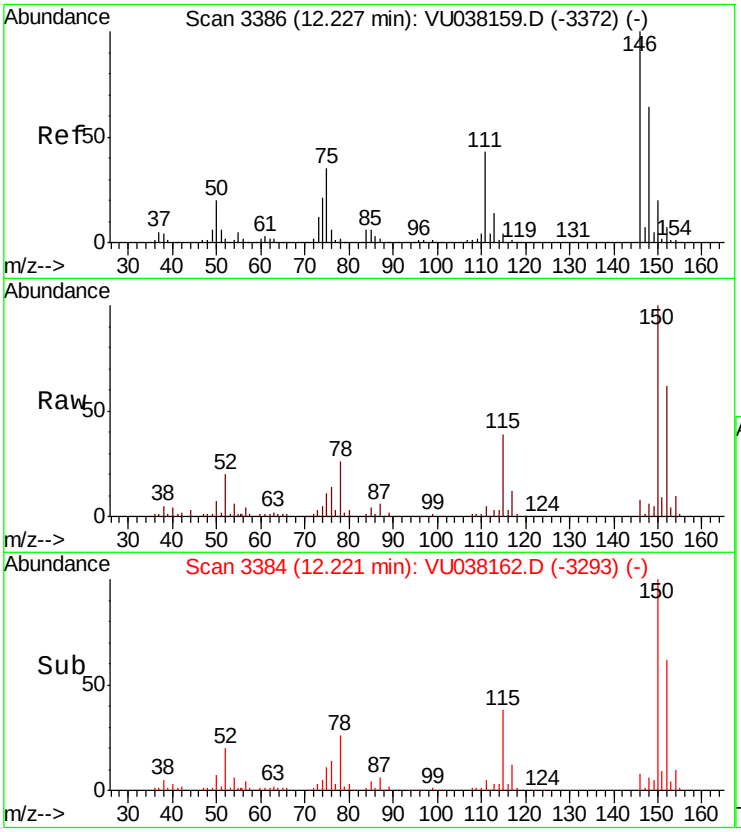


#63
1,4-Dichlorobenzene
Concen: 0.217 ug/L
RT: 11.85 min Scan# 3268
Delta R.T. -0.00 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion:146 Resp: 11669

Ion	Ratio	Lower	Upper
146	100		
111	42.6	27.2	50.6
148	65.7	43.8	81.3



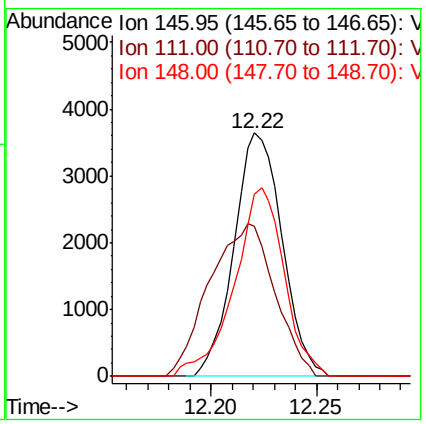


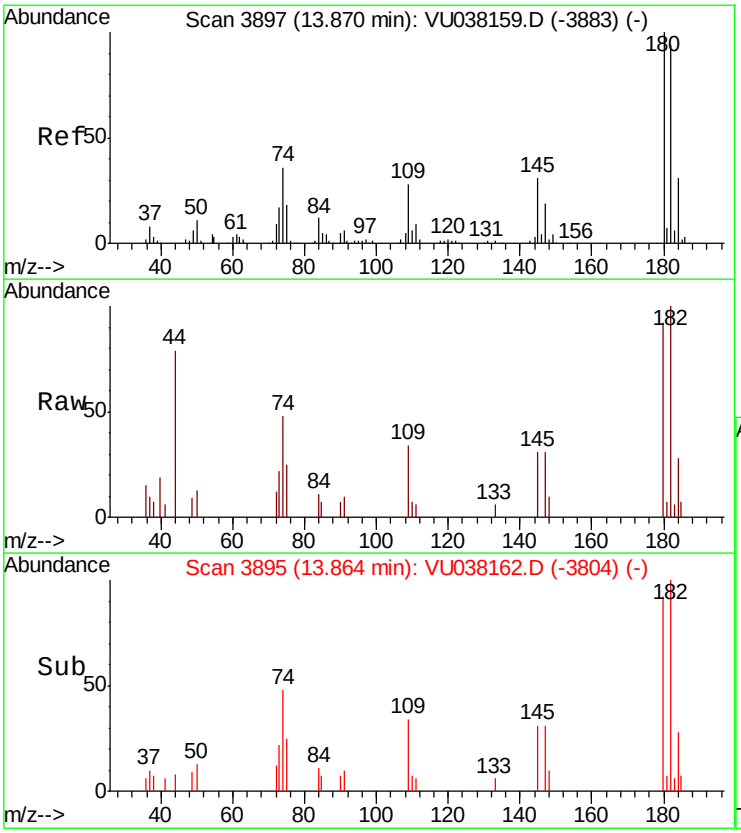
#65
1,2-Dichlorobenzene
Concen: 0.113 ug/L
RT: 12.22 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 5776

Ion	Ratio	Lower	Upper
146	100		
111	61.8	35.3	52.9#
148	75.0	51.0	76.4





#68
1,2,4-trichlorobenzene
Concen: 0.087 ug/L
RT: 13.86 min Scan# 3895
Delta R.T. -0.01 min
Lab File: VU038162.D
Acq: 14 May 2020 12:28

Tgt Ion:180 Resp: 3056

Ion	Ratio	Lower	Upper
180	100		
182	99.5	75.0	112.6
145	33.2	24.8	37.2