Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042120\

Quantitation Report (Not Reviewed)

Data File : VU037823.D
Acq On : 21 Apr 2020 13:47
Operator : JC/MD
Sample : VSTD200
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD20036

Quant Time: Apr 21 14:04:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 21 13:31:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	496988	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	496853	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	260066	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	880993	202.78	ug/L	0.00
7) Chloroethane-d5	1.92	69	711364	202.60	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.59	63	1492672	210.83	ug/L	0.00
21) 2-Butanone-d5	4.66	46	1465065	416.20	ug/L	0.00
24) Chloroform-d	5.10	84	1449259	221.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	976556	220.17	ug/L	0.00
32) Benzene-d6	5.76	84	2996818	205.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	1008010	207.17	ug/L	0.00
41) Toluene-d8	7.92	98	2773212	204.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	520626	197.94	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	1119455	401.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1478431	215.11	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	1070635	197.82	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	841518	216.153	ug/L	97
3) Chloromethane	1.54	50	879275	193.112	ug/L	99
5) Vinyl chloride	1.62	62	1010117	211.995	ug/L	99
6) Bromomethane	1.85	94	438385	174.813	ug/L	98
8) Chloroethane	1.94	64	573012	202.573	ug/L	99
9) Trichlorofluoromethane	2.15	101	1096409	213.075	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	630764	201.338	ug/L	99
12) 1,1-Dichloroethene	2.60	96	634327	199.658	ug/L	98
13) Acetone	2.66	43	848538	408.155	ug/L	99
14) Carbon disulfide	2.82	76	2098809	192.843	ug/L	100
15) Methyl Acetate	2.98	43	1031571	208.657	ug/L	100
16) Methylene chloride	3.08	84	743705	204.899	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	689377	202.261	ug/L	97
18) Methyl tert-butyl Ether	3.40	73	2490802	211.698	ug/L	100
19) 1,1-Dichloroethane	3.91	63	1438004	215.204	ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	780931	208.381	ug/L	97
22) 2-Butanone	4.75	43	1516308	416.707	ug/L	100
23) Bromochloromethane	5.02	128	371670	203.494	ug/L	98
25) Chloroform	5.13	83	1330820	211.667	ug/L	98
27) 1,2-Dichloroethane	5.83	62	1145086	220.196	ug/L	100
29) Cyclohexane	5.42	56	1397031	204.468	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	1159312	205.855	ug/L	99
31) Carbon tetrachloride	5.56	117	952896	208.433	ug/L	99
33) Benzene	5.81	78	3073884	203.294	ug/L	100
34) Trichloroethene	6.57	95	757494	203.509	ug/L	99
35) Methylcyclohexane	6.79	83	1322264	200.211	ug/L	99
37) 1,2-Dichloropropane	6.82	63	867030	208.687	ug/L	100
38) Bromodichloromethane	7.13	83	1072744	209.744	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	1425613	209.639	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	3084759	418.060	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042120\

Quantitation Report (Not Reviewed)

Data File : VU037823.D
Acq On : 21 Apr 2020 13:47
Operator : JC/MD
Sample : VSTD200
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD20036

Quant Time: Apr 21 14:04:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 21 13:31:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	3308075	205.956	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	1376059	208.756	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	758932	204.725	ug/L	99
46) Tetrachloroethene	8.57	164	553340	199.805	ug/L	99
48) 2-Hexanone	8.71	43	2416941	414.830	ug/L	100
49) Dibromochloromethane	8.83	129	828151	208.328	ug/L	99
50) 1,2-Dibromoethane	8.95	107	827164	206.227	ug/L	99
51) Chlorobenzene	9.47	112	2084169	207.776	ug/L	98
52) Ethylbenzene	9.59	91	3808599	211.490	ug/L	99
53) m,p-Xylene	9.71	106	1425881	208.527	ug/L	98
54) o-xylene	10.12	106	1413773	208.469	ug/L	100
55) Styrene	10.13	104	2485692	211.396	ug/L	99
56) Isopropylbenzene	10.50	105	3751695	212.464	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	1407131	212.576	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	1200211	212.646	ug/L	99
61) Bromoform	10.31	173	658344	199.745	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	1690490	201.945	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	1695092	201.825	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	1658975	201.093	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	375179	196.319	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	1251004	204.387	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	1196442	202.664	ug/L	100
69) Naphthalene	14.11	128	4154586	190.728	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	1173514	199.506	ug/L	99

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

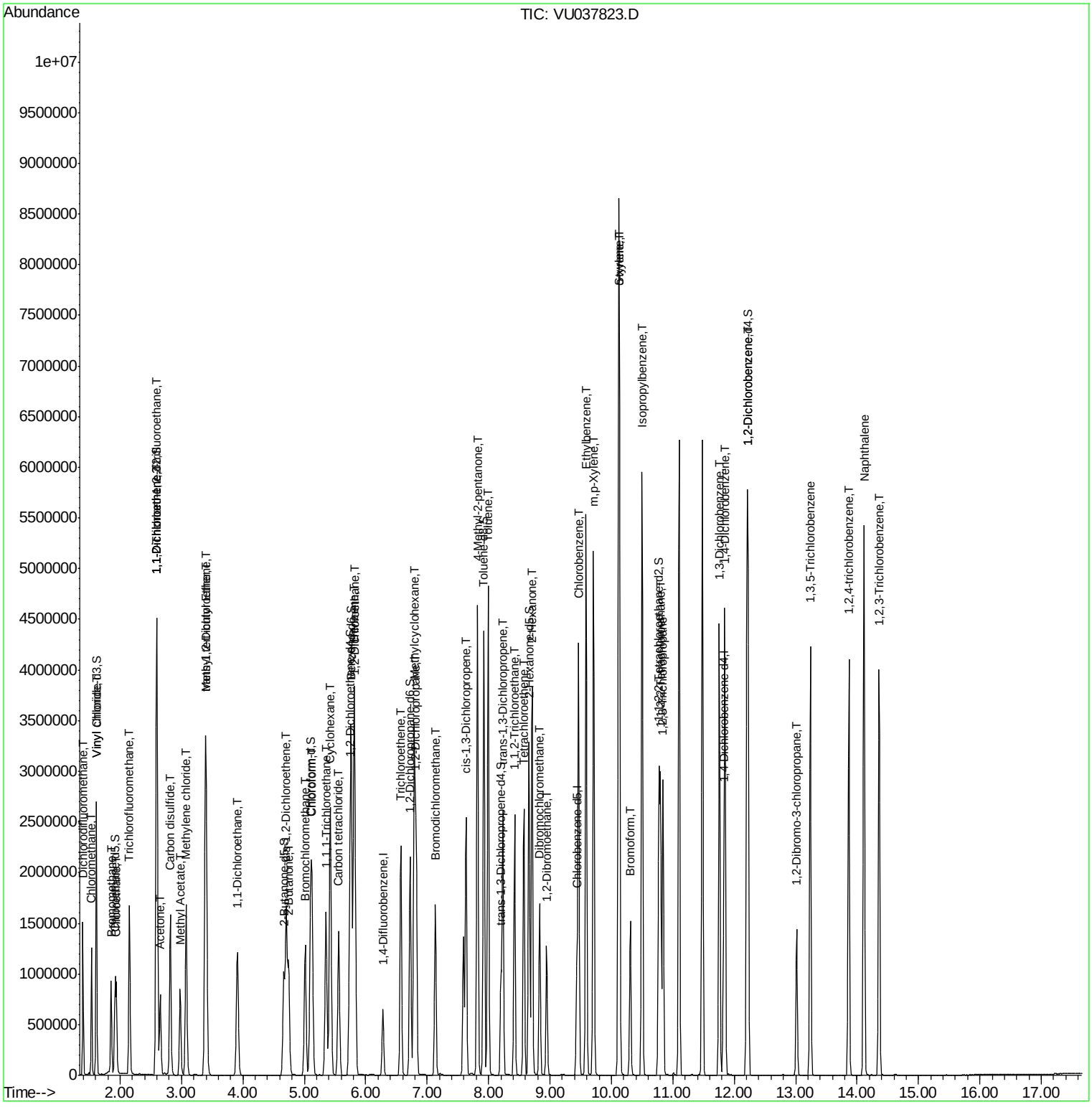
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042120\

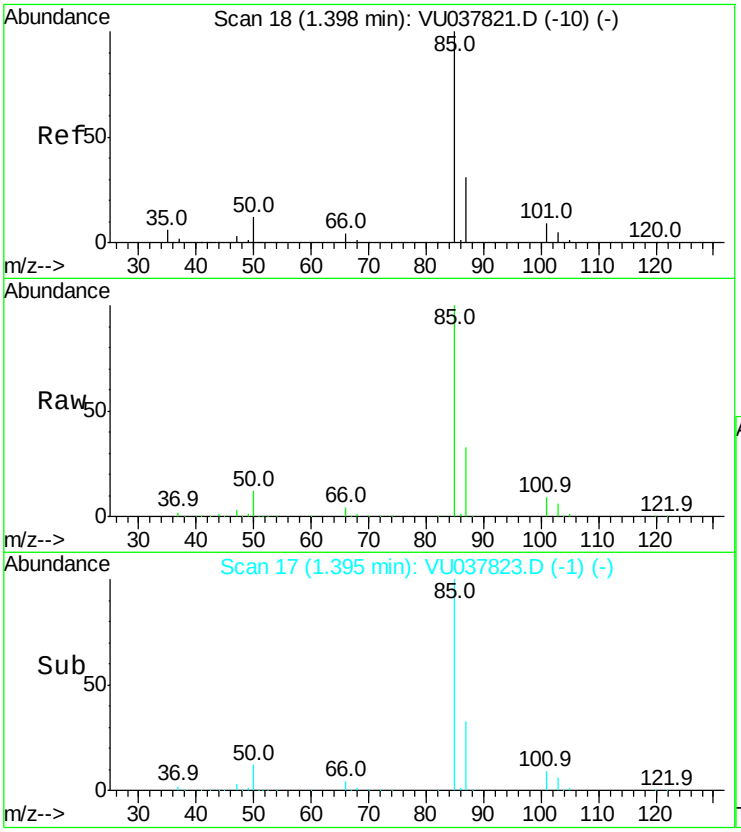
Quantitation Report (Not Reviewed)

Data File : VU037823.D
Acq On : 21 Apr 2020 13:47
Operator : JC/MD
Sample : VSTD200
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Quant Time: Apr 21 14:04:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 21 13:31:46 2020
Response via : Initial Calibration



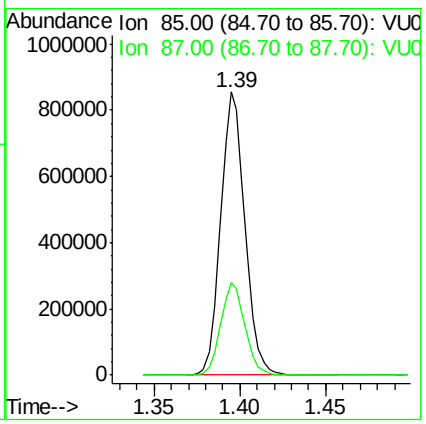


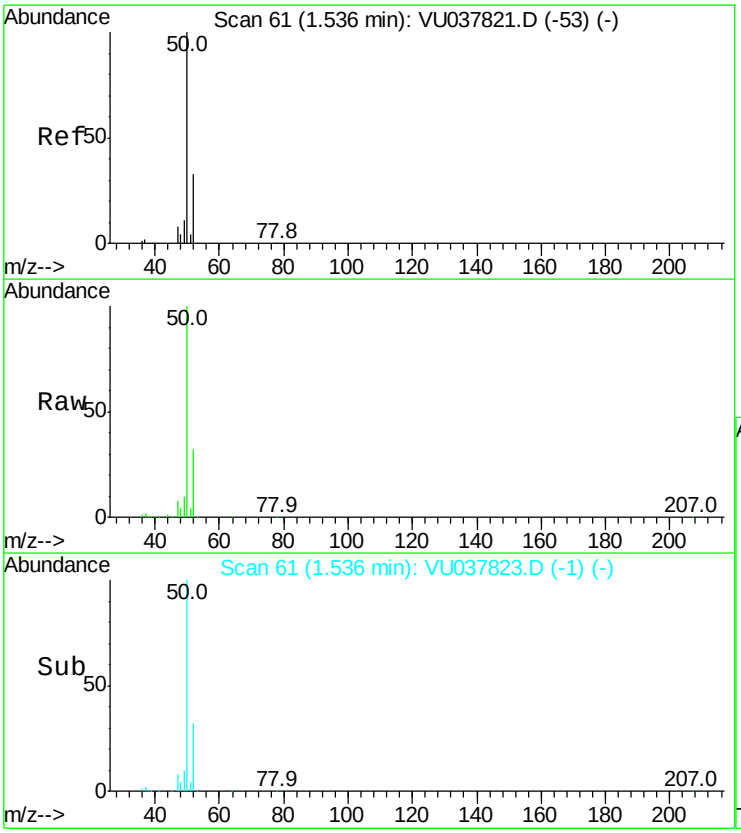
#2
Dichlorodifluoromethane
Concen: 216.153 ug/L
RT: 1.39 min Scan# 17
Delta R.T. -0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Tgt Ion: 85 Resp: 841518

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.0	37.6

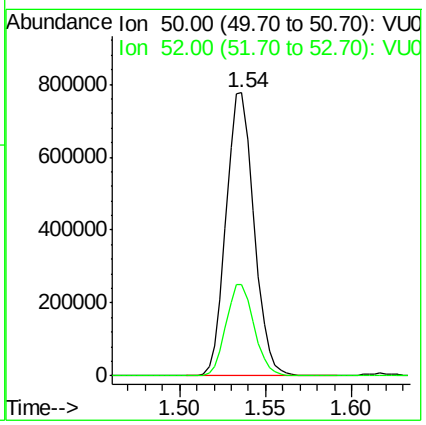


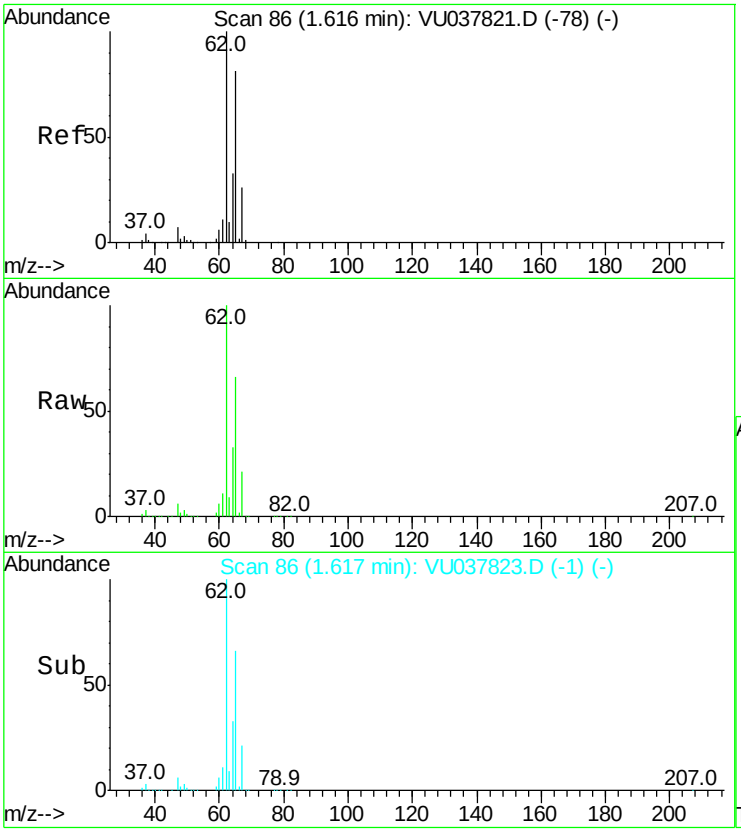


#3
Chloromethane
Concen: 193.112 ug/L
RT: 1.54 min Scan# 61
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 50 Resp: 879275

Ion	Ratio	Lower	Upper
50	100		
52	32.4	23.2	43.2



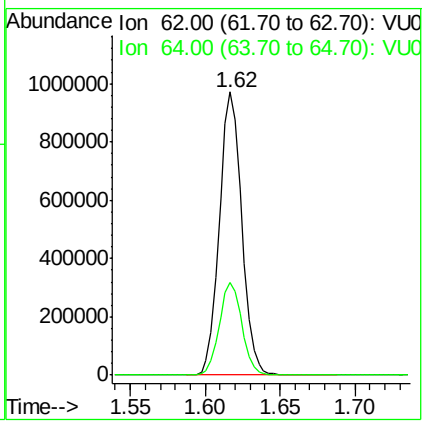


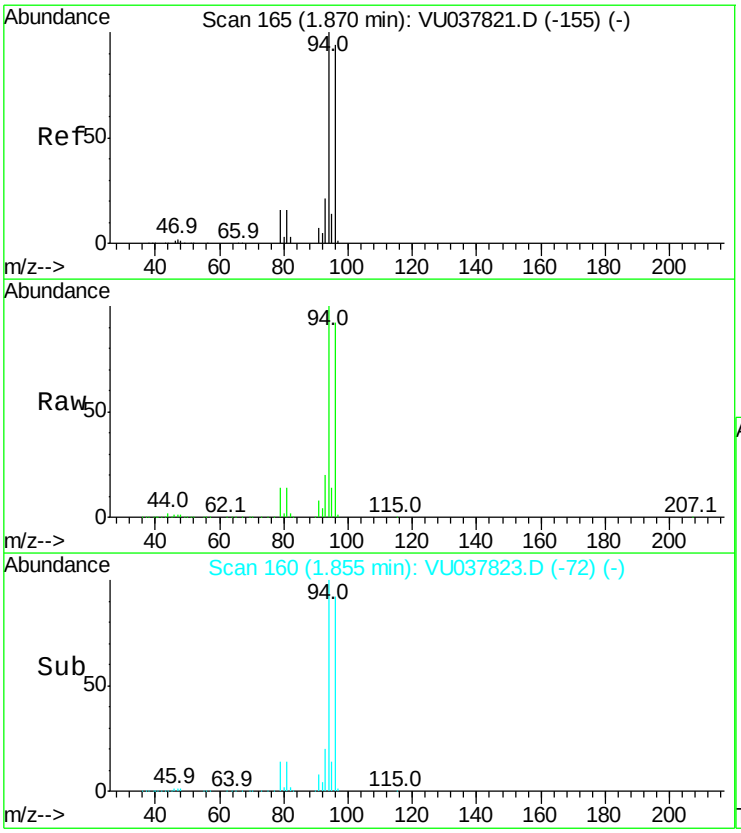
#5
Vinyl chloride
Concen: 211.995 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Tgt Ion: 62 Resp: 1010117

Ion	Ratio	Lower	Upper
62	100		
64	32.9	23.6	43.8

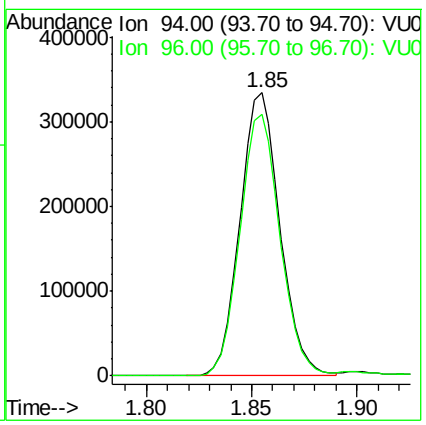


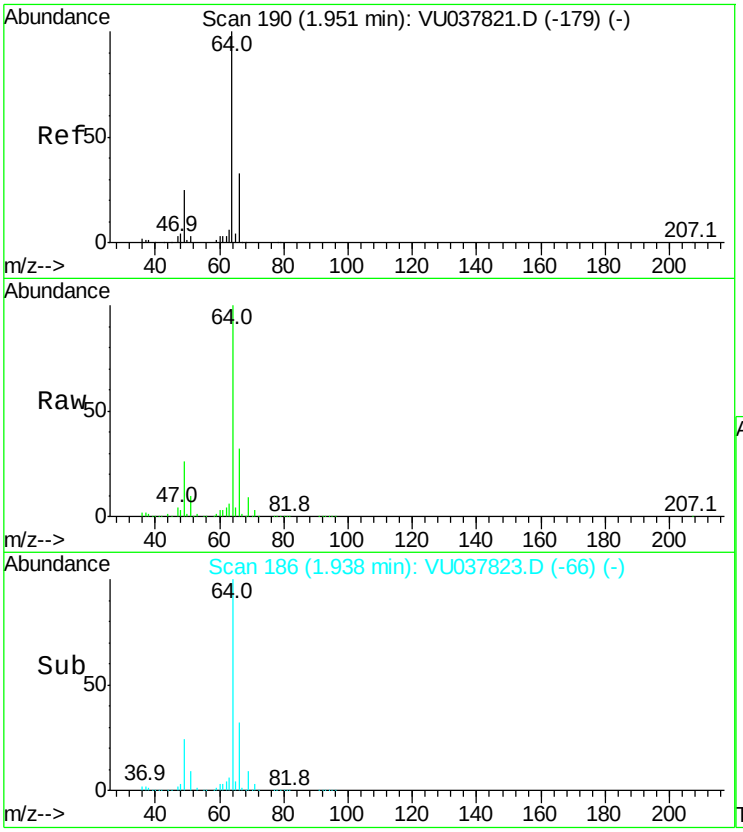


#6
Bromomethane
Concen: 174.813 ug/L
RT: 1.85 min Scan# 160
Delta R.T. -0.02 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 94 Resp: 438385

Ion	Ratio	Lower	Upper
94	100		
96	92.4	66.0	122.6



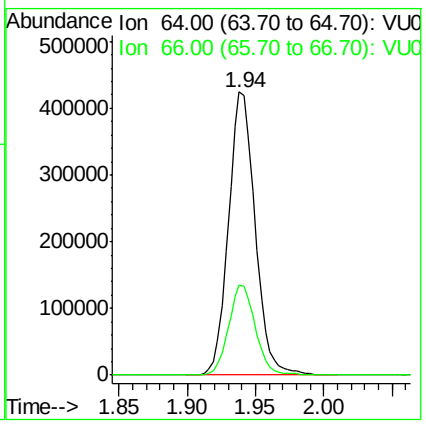


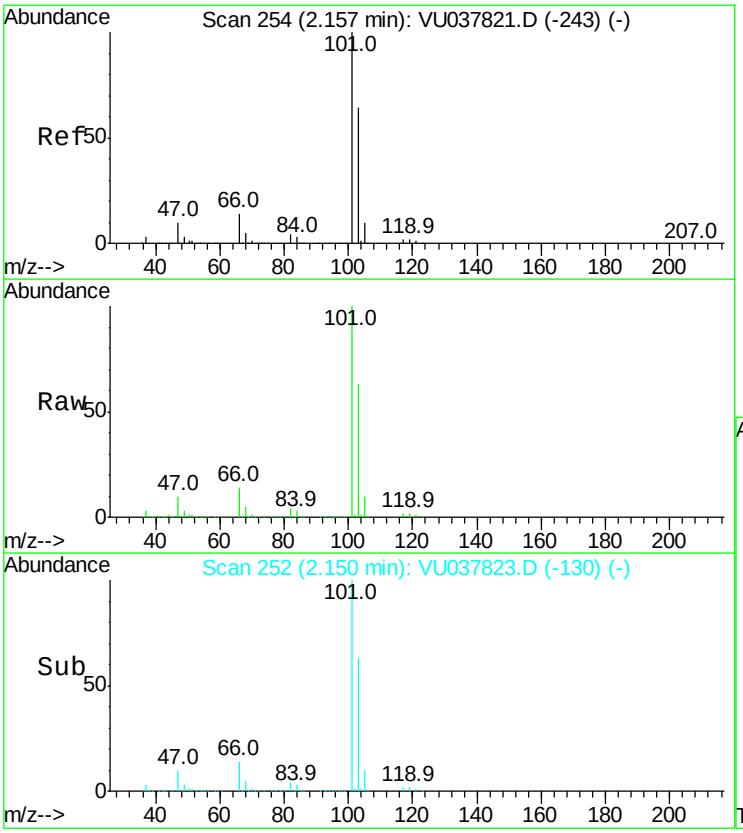
#8
Chloroethane
Concen: 202.573 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Tgt Ion: 64 Resp: 573012

Ion	Ratio	Lower	Upper
64	100		
66	31.7	22.6	42.0

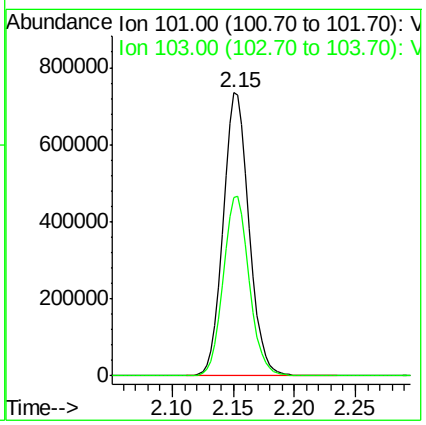


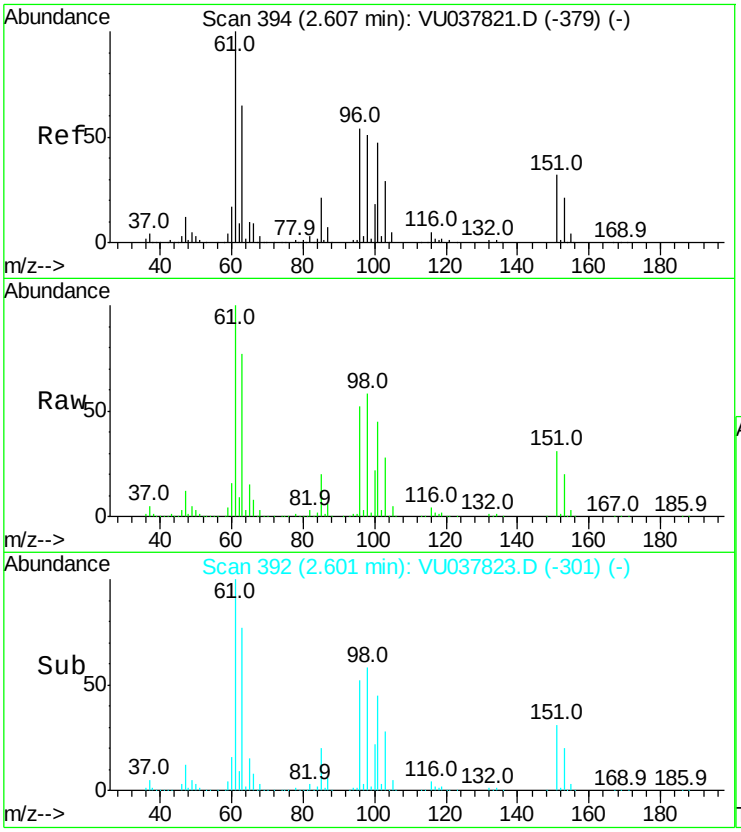


#9
Trichlorofluoromethane
Concen: 213.075 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.01 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion:101 Resp: 1096409

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.7	77.5



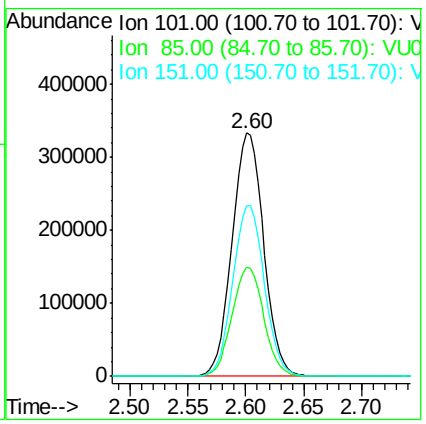


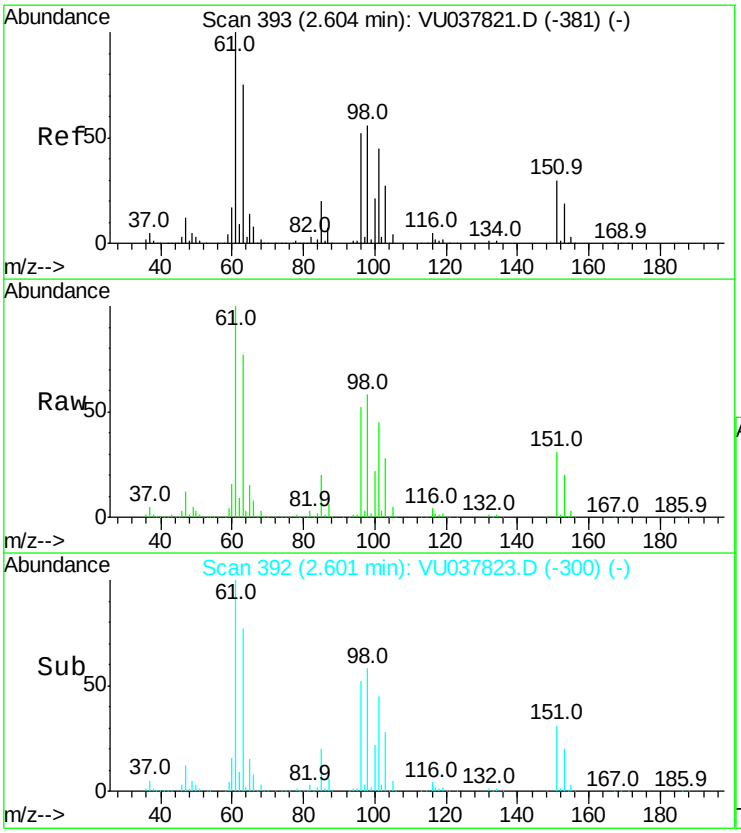
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 201.338 ug/L
RT: 2.60 min Scan# 392
Delta R.T. -0.01 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Tgt Ion:101 Resp: 630764

Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.3	52.9
151	70.2	55.2	82.8

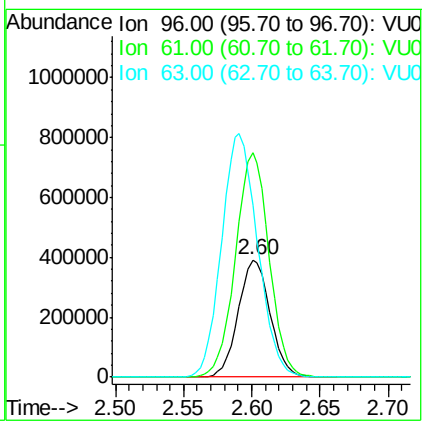


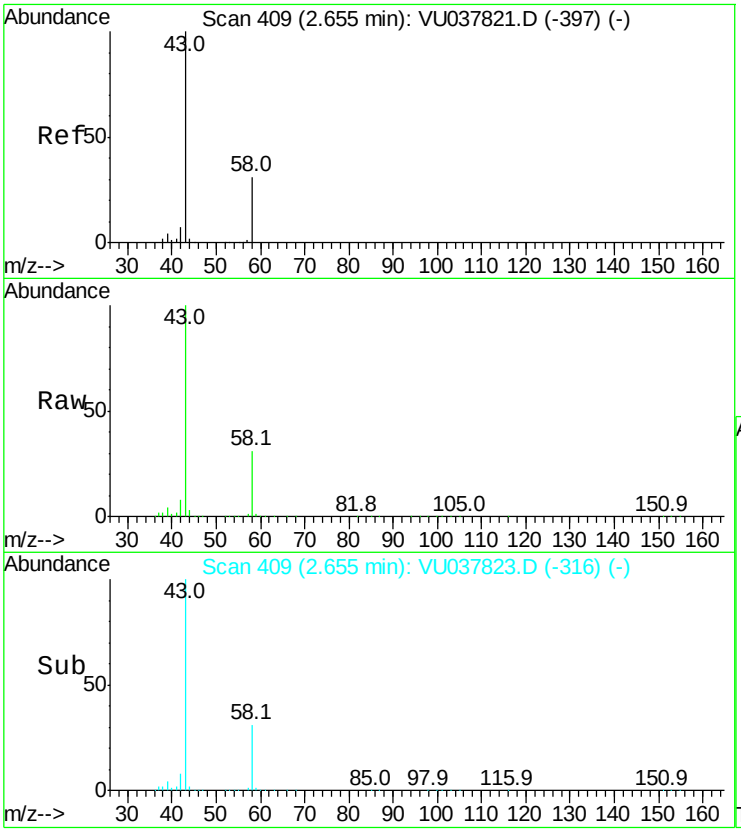


#12
1,1-Dichloroethene
Concen: 199.658 ug/L
RT: 2.60 min Scan# 392
Delta R.T. -0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 96 Resp: 634327

Ion	Ratio	Lower	Upper
96	100		
61	191.2	134.5	249.7
63	146.4	106.6	198.0



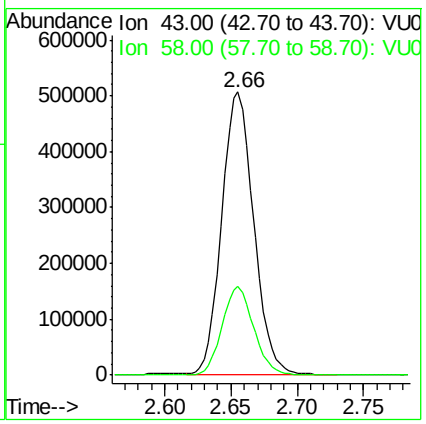


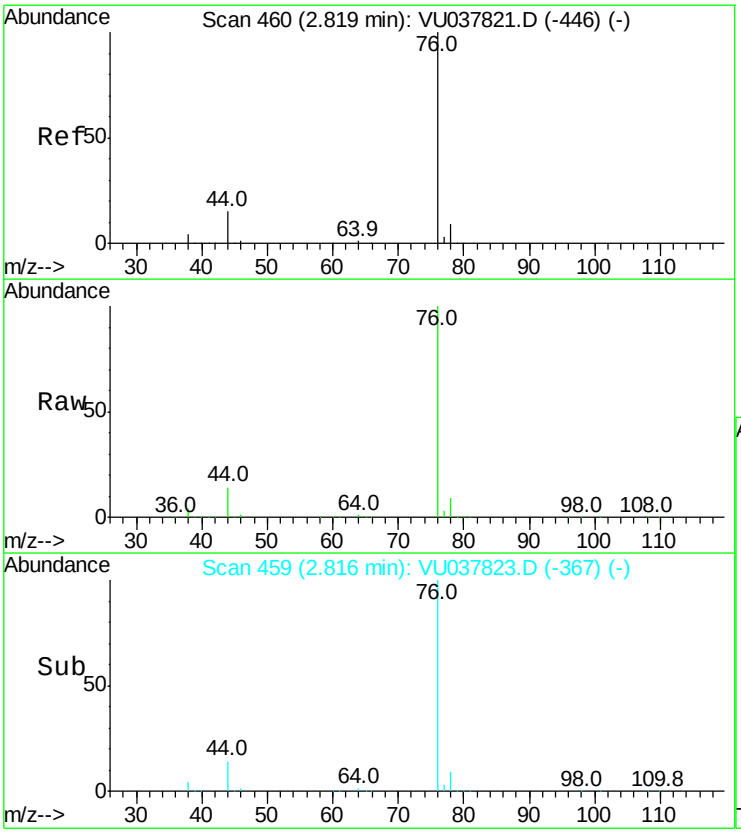
#13
Acetone
Concen: 408.155 ug/L
RT: 2.66 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Tgt Ion: 43 Resp: 848538

Ion	Ratio	Lower	Upper
43	100		
58	30.9	0.0	63.0

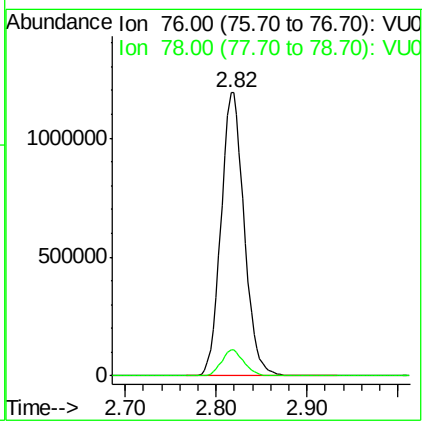


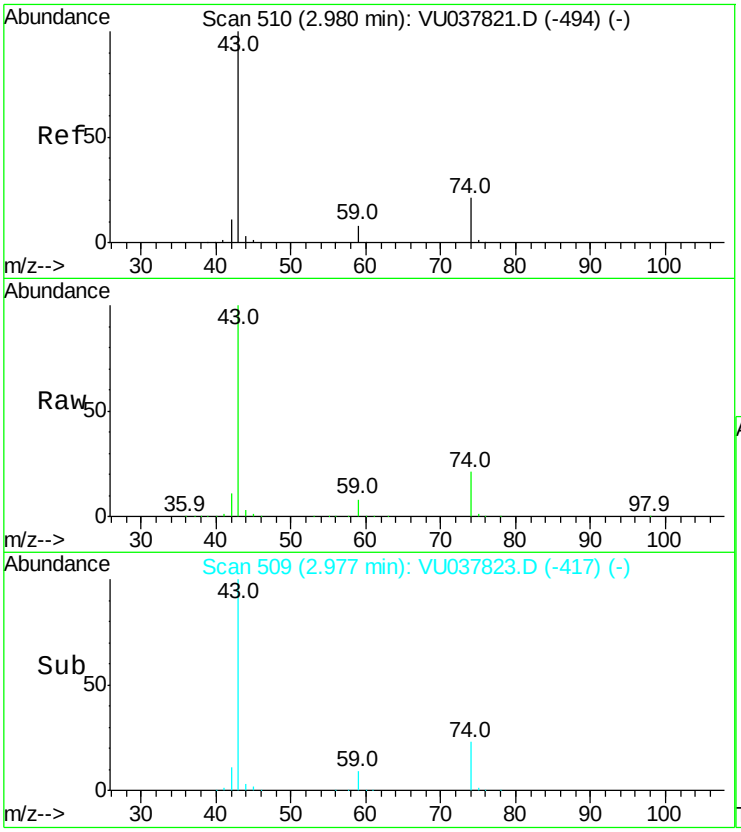


#14
Carbon disulfide
Concen: 192.843 ug/L
RT: 2.82 min Scan# 459
Delta R.T. -0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 76 Resp: 2098809

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8



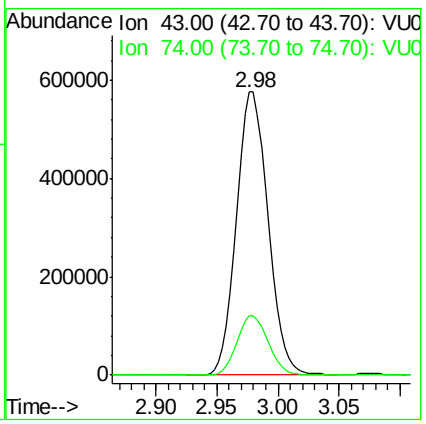


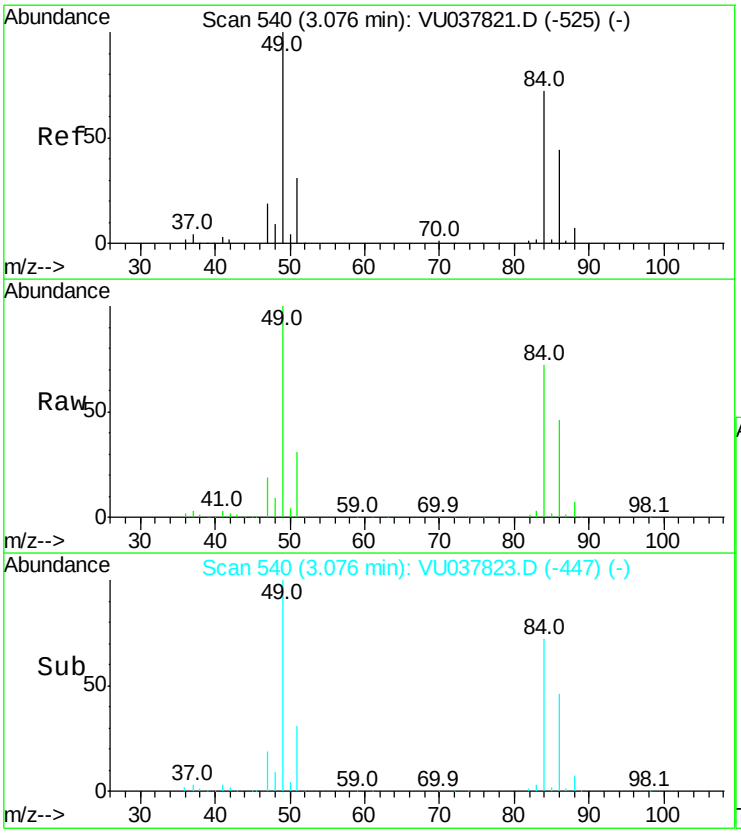
#15
Methyl Acetate
Concen: 208.657 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Tgt Ion: 43 Resp: 1031571

Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.6	24.8

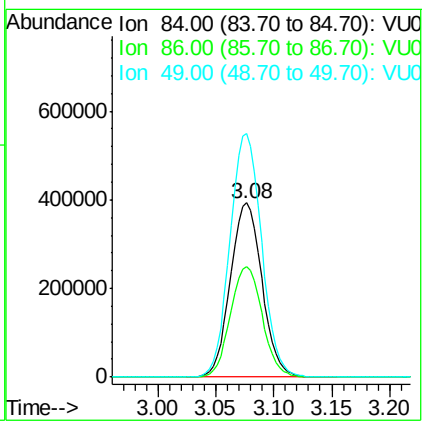


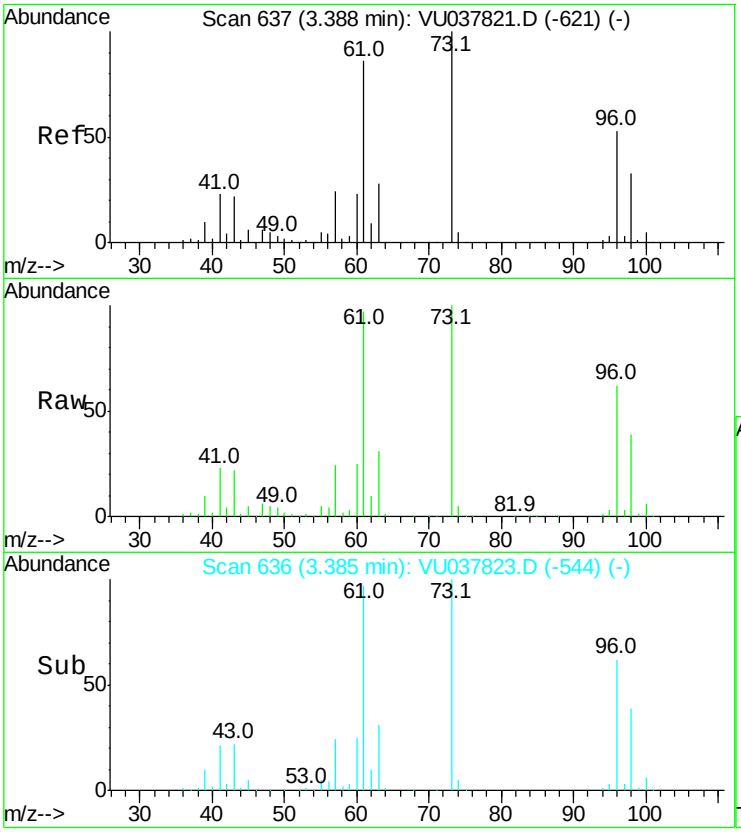


#16
Methylene chloride
Concen: 204.899 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 84 Resp: 743705

Ion	Ratio	Lower	Upper
84	100		
86	63.7	43.2	80.2
49	139.7	97.8	181.6



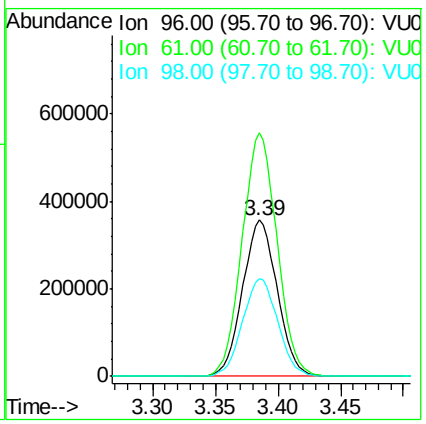


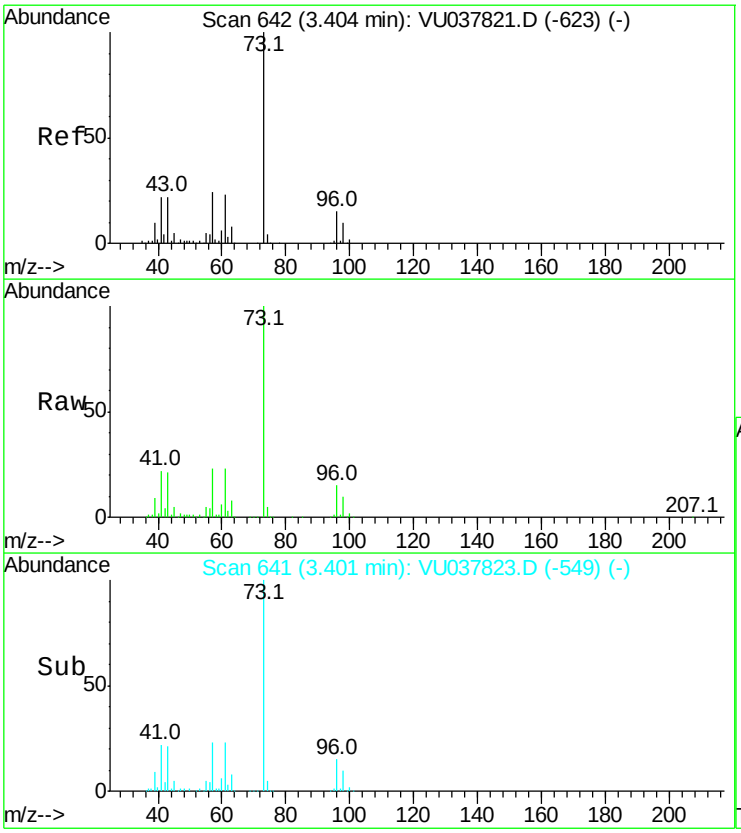
#17
trans-1,2-Dichloroethene
Concen: 202.261 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Tgt Ion: 96 Resp: 689377

Ion	Ratio	Lower	Upper
96	100		
61	156.1	113.1	210.1
98	62.9	43.5	80.7

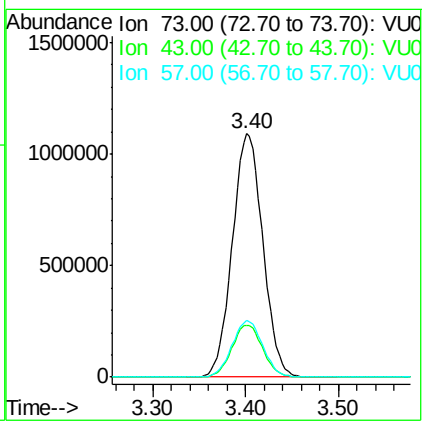


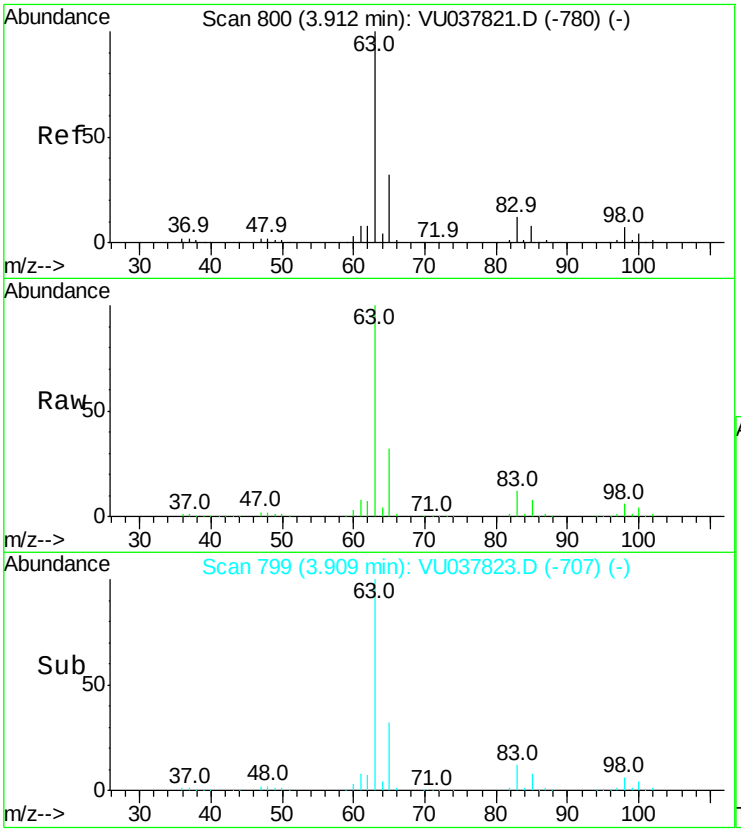


#18
Methyl tert-butyl Ether
Concen: 211.698 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 73 Resp: 2490802

Ion	Ratio	Lower	Upper
73	100		
43	21.5	17.2	25.8
57	23.4	18.9	28.3



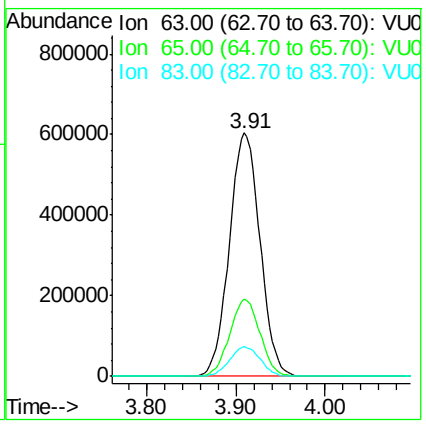


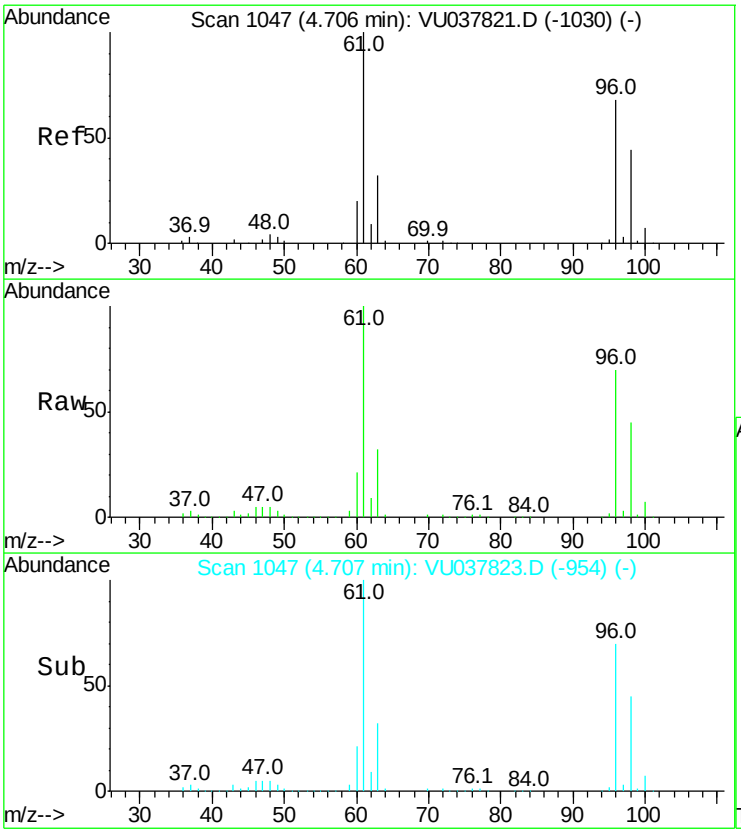
#19
1,1-Dichloroethane
Concen: 215.204 ug/L
RT: 3.91 min Scan# 799
Delta R.T. -0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument : MSVOA_U
ClientSampleId : VSTD20036

Tgt Ion: 63 Resp: 1438004

Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.3	41.5
83	12.3	8.7	16.1

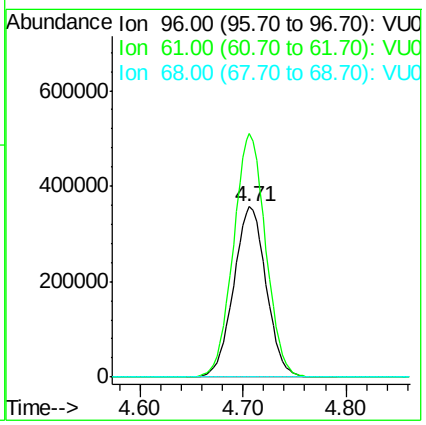


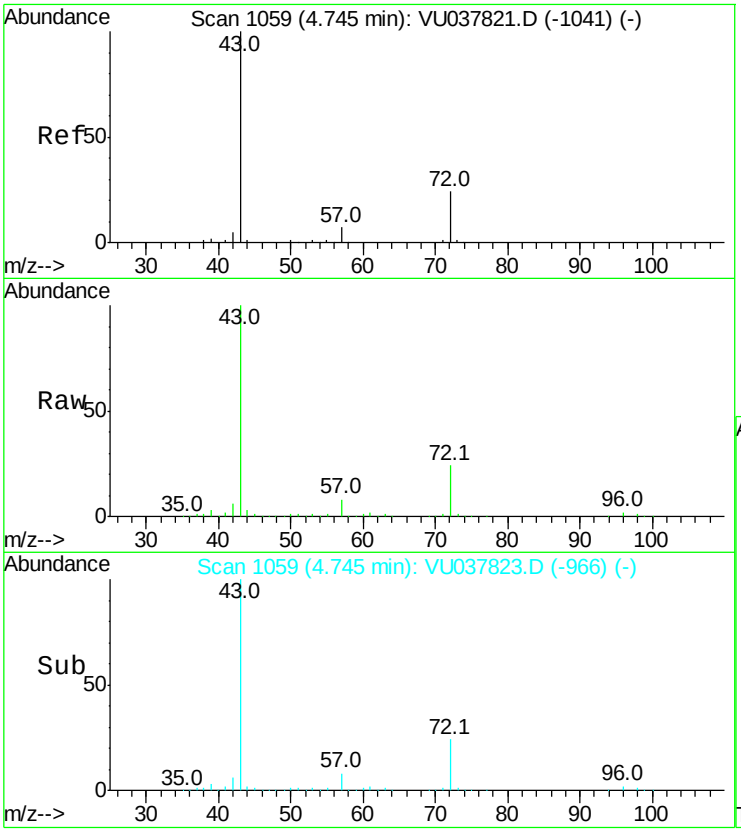


#20
cis-1,2-Dichloroethene
Concen: 208.381 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 96 Resp: 780931

Ion	Ratio	Lower	Upper
96	100		
61	142.8	102.6	190.5
68	0.0	0.0	0.0



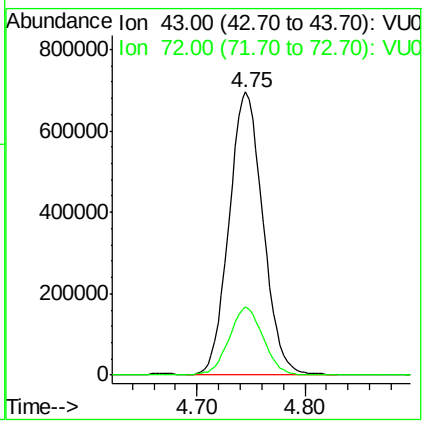


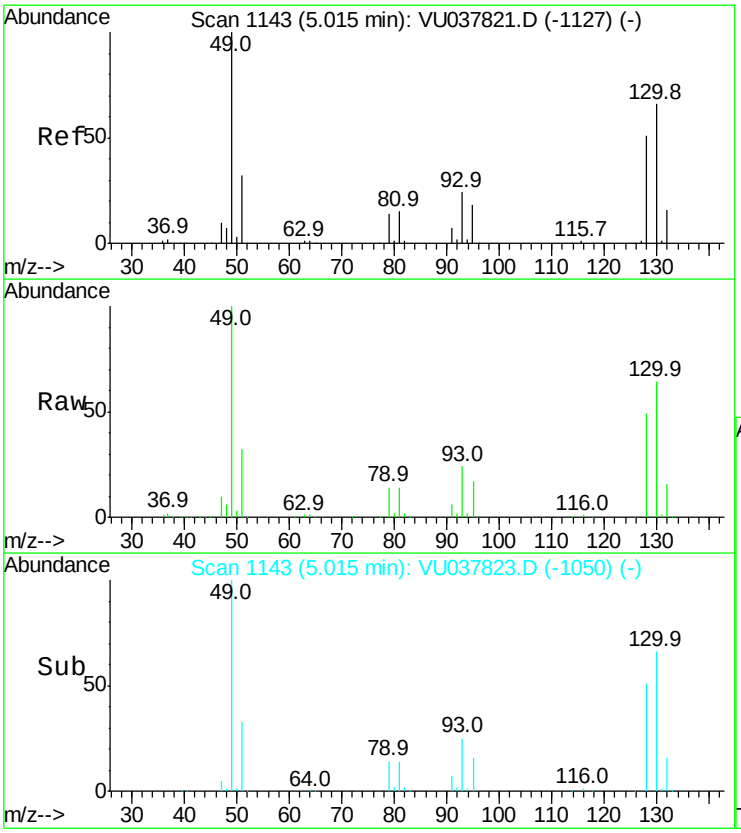
#22
2-Butanone
Concen: 416.707 ug/L
RT: 4.75 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Tgt Ion: 43 Resp: 1516308

Ion	Ratio	Lower	Upper
43	100		
72	24.5	12.2	36.4

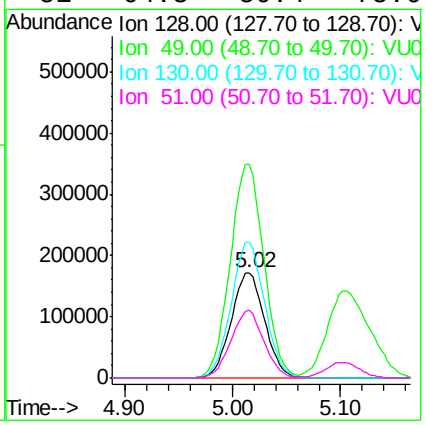


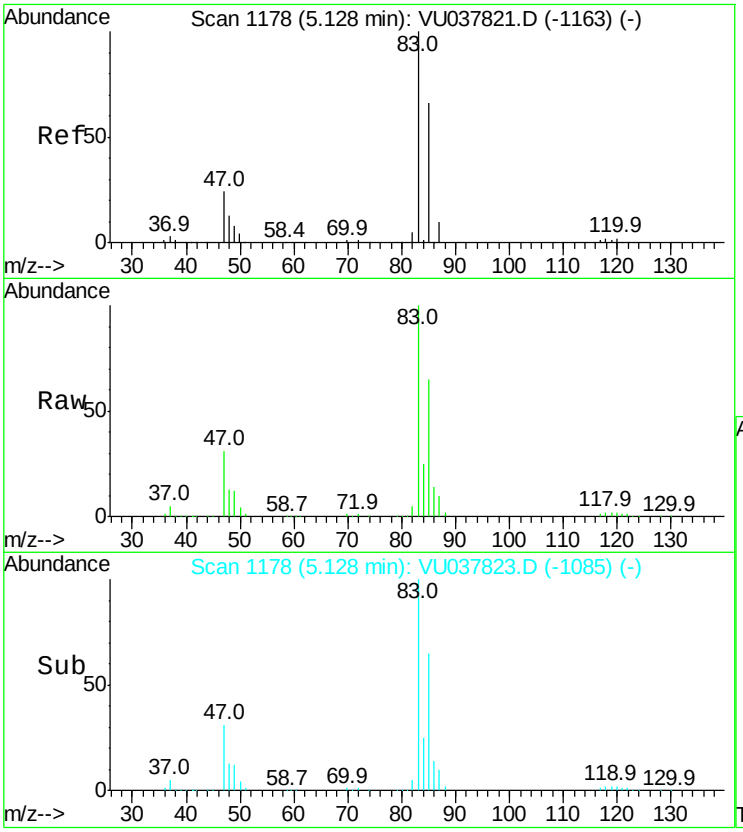


#23
Bromochloromethane
Concen: 203.494 ug/L
RT: 5.02 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion:128 Resp: 371670

Ion	Ratio	Lower	Upper
128	100		
49	202.3	138.3	256.9
130	128.8	91.1	169.1
51	64.3	50.4	75.6



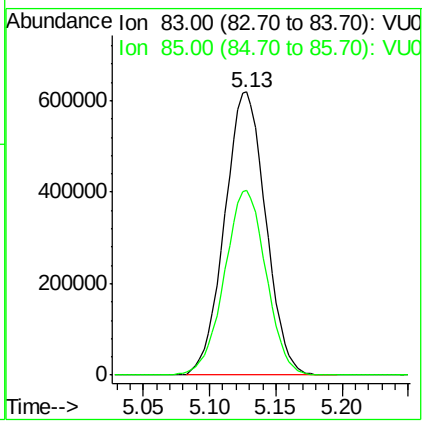


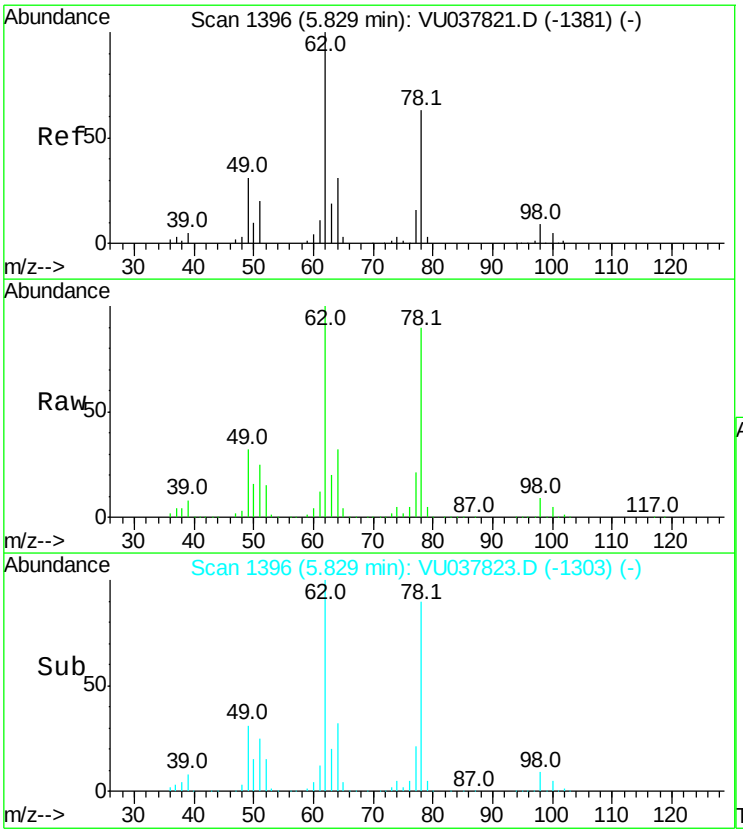
#25
Chloroform
Concen: 211.667 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument : MSVOA_U
ClientSampleId : VSTD20036

Tgt Ion: 83 Resp: 1330820

Ion	Ratio	Lower	Upper
83	100		
85	65.2	46.9	87.1

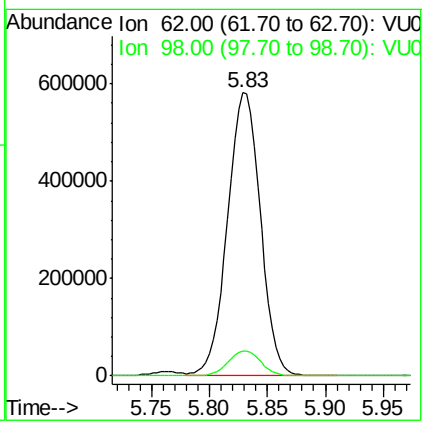


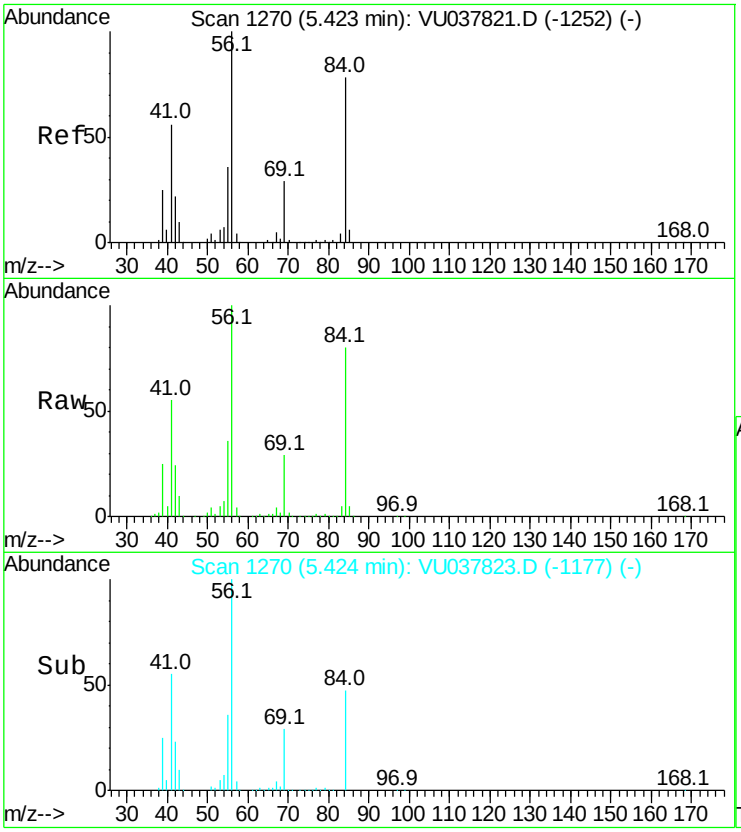


#27
1,2-Dichloroethane
Concen: 220.196 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 62 Resp: 1145086

Ion	Ratio	Lower	Upper
62	100		
98	8.8	7.0	10.6



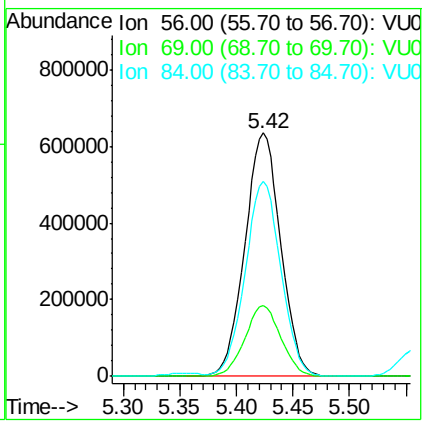


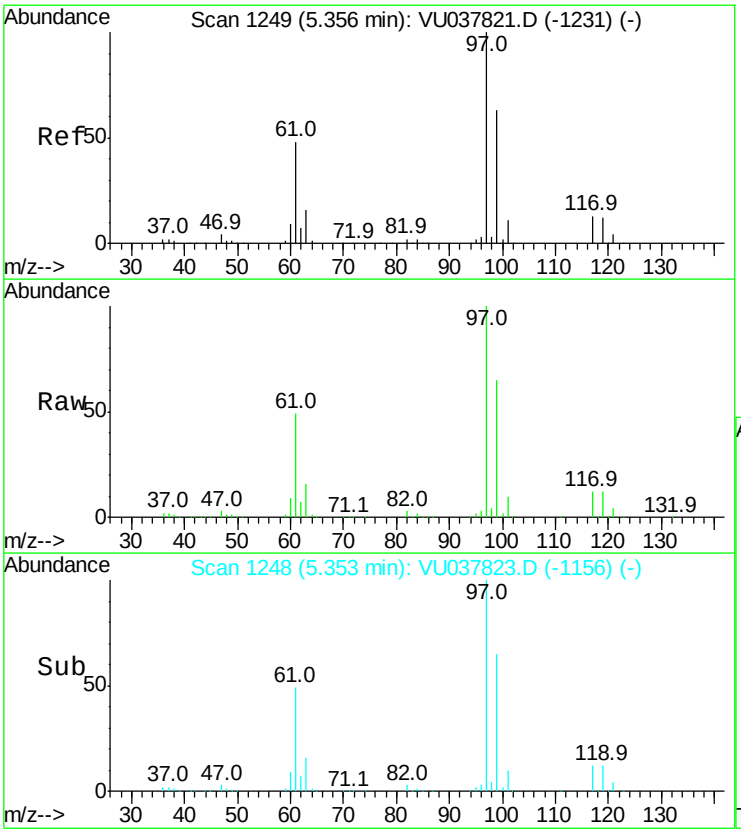
#29
Cyclohexane
Concen: 204.468 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument : MSVOA_U
ClientSampleId : VSTD20036

Tgt Ion: 56 Resp: 1397031

Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.3	34.9
84	79.9	63.8	95.8

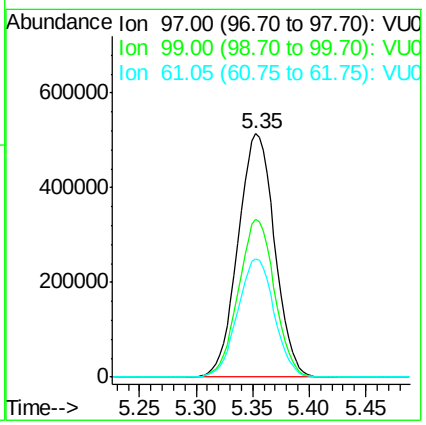


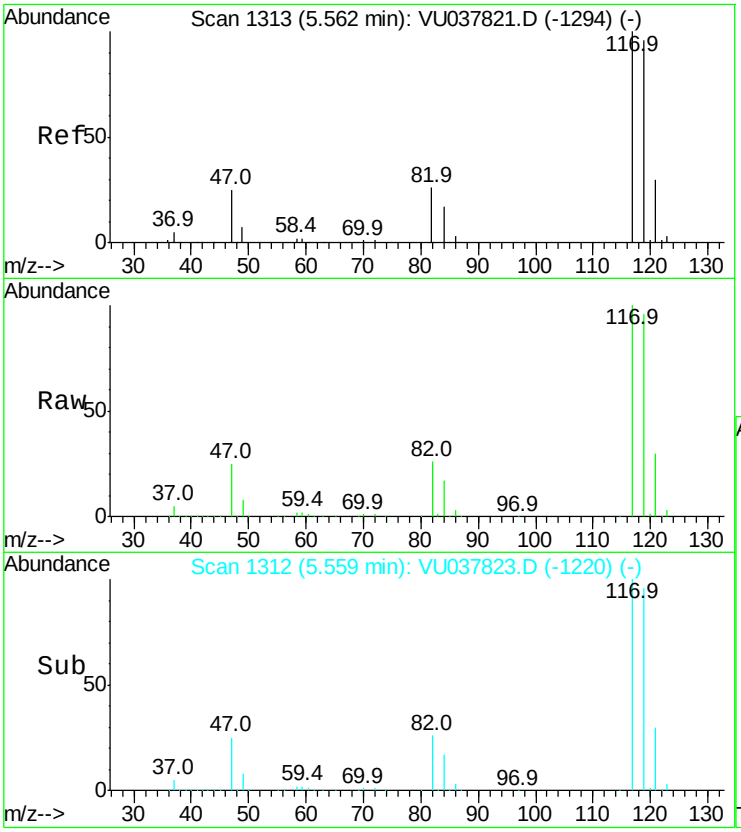


#30
1,1,1-Trichloroethane
Concen: 205.855 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 97 Resp: 1159312

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.7	76.1
61	48.3	38.3	57.5



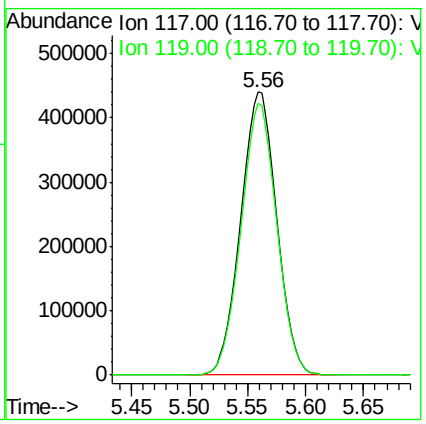


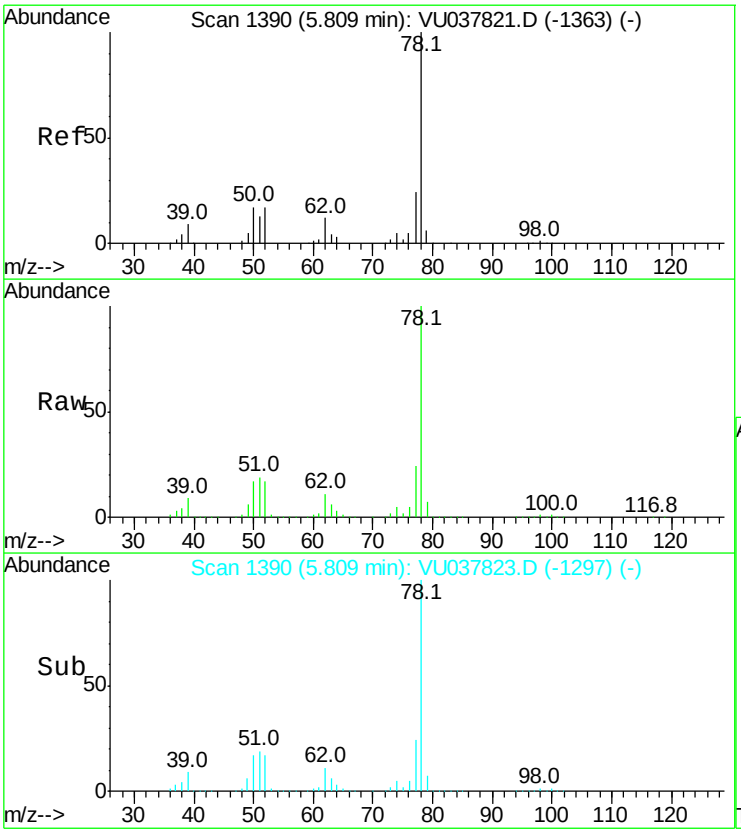
#31
Carbon tetrachloride
Concen: 208.433 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Tgt Ion:117 Resp: 952896

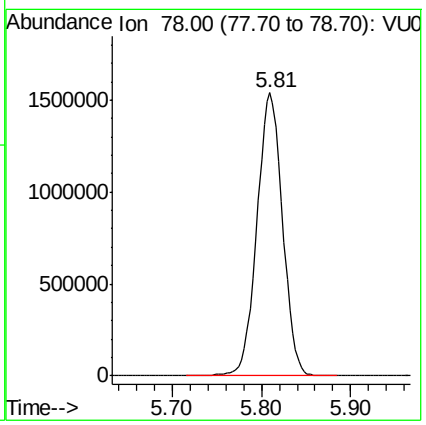
Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.8	113.8

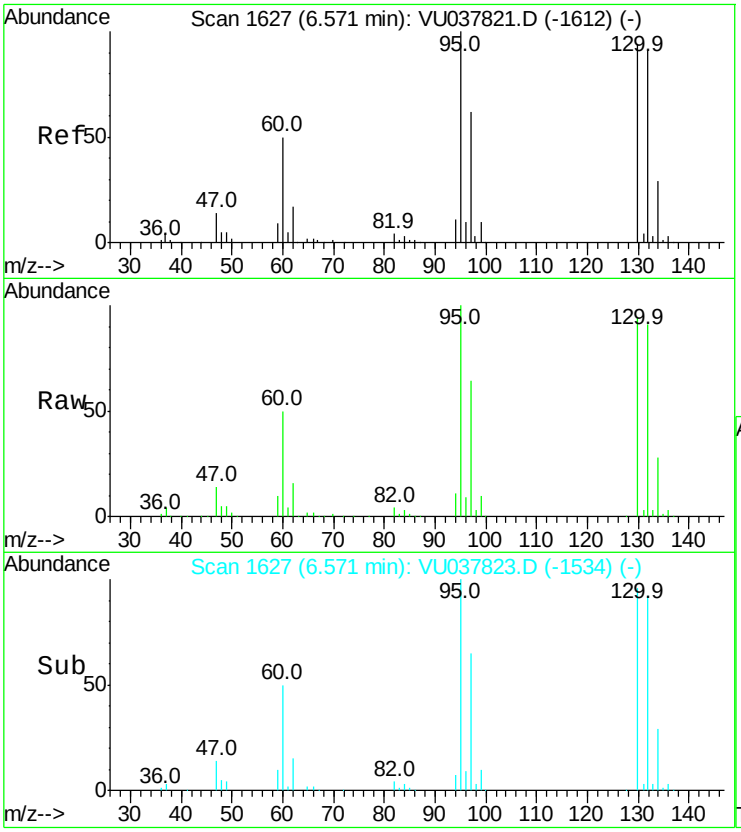




#33
Benzene
Concen: 203.294 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 78 Resp: 3073884



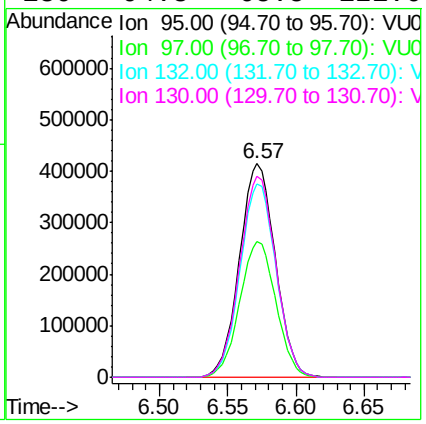


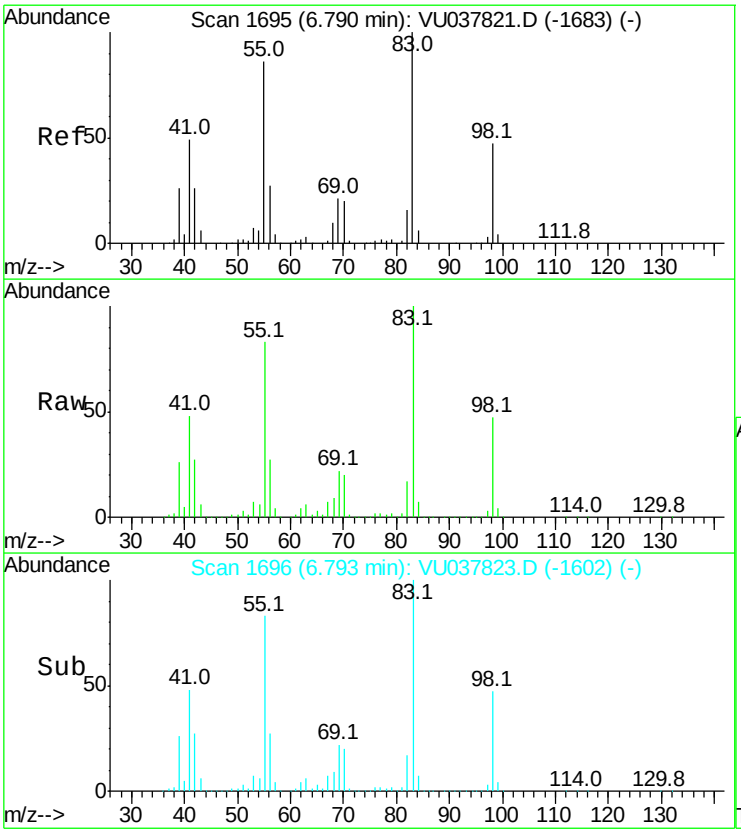
#34
Trichloroethene
Concen: 203.509 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD20036

Tgt Ion: 95 Resp: 757494

Ion	Ratio	Lower	Upper
95	100		
97	63.7	43.1	80.1
132	90.6	63.6	118.2
130	94.3	65.5	121.6





#35
Methylcyclohexane
Concen: 200.211 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU037823.D
Acq: 21 Apr 2020 13:47

Tgt Ion: 83 Resp: 1322264

Ion	Ratio	Lower	Upper
83	100		
55	82.5	67.3	100.9
98	46.8	36.9	55.3