Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061520\

Quantitation Report (Not Reviewed)

Data File : VU038888.D
Acq On : 15 Jun 2020 12:58
Operator : SY/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD00505

Quant Time: Jun 15 13:38:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 15 12:21:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	305143	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	302153	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	160166	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	70090	4.21	ug/L	0.00
7) Chloroethane-d5	1.93	69	65389	4.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	166988	4.41	ug/L	0.00
20) 2-Butanone-d5	4.68	46	252735	48.42	ug/L	0.00
24) Chloroform-d	5.10	84	171061	4.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	94450	4.54	ug/L	0.00
32) Benzene-d6	5.76	84	318825	4.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	96751	4.58	ug/L	0.00
41) Toluene-d8	7.92	98	292584	4.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	43173	4.60	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	216007	51.83	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	88311	4.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	114998	4.41	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	138364	4.655	ug/L	98
3) Chloromethane	1.53	50	115254	4.700	ug/L	99
5) Vinyl chloride	1.62	62	122980	4.721	ug/L	97
6) Bromomethane	1.87	94	73548	4.920	ug/L	98
8) Chloroethane	1.95	64	86389	5.369	ug/L	99
9) Trichlorofluoromethane	2.16	101	206882	5.351	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	107413	4.857	ug/L	98
12) 1,1-Dichloroethene	2.60	96	100612	4.708	ug/L	91
13) Acetone	2.68	43	224267	52.961	ug/L	100
14) Carbon disulfide	2.82	76	336362	4.624	ug/L	98
15) Methyl Acetate	2.99	43	52852	5.109	ug/L	97
16) Methylene chloride	3.08	84	114125	4.645	ug/L	94
17) Methyl tert-butyl Ether	3.40	73	266244	4.835	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	107990	4.706	ug/L	98
19) 1,1-Dichloroethane	3.91	63	202416	4.901	ug/L	98
21) 2-Butanone	4.76	43	367260	52.797	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	115171	4.819	ug/L	99
23) Bromochloromethane	5.01	128	54850	4.896	ug/L	95
25) Chloroform	5.12	83	209099	4.911	ug/L	97
27) 1,2-Dichloroethane	5.83	62	148269	4.994	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	181345	4.863	ug/L	99
30) Cyclohexane	5.42	56	166157	4.598	ug/L	97
31) Carbon tetrachloride	5.56	117	154359	4.904	ug/L	100
33) Benzene	5.81	78	442025	4.841	ug/L	100
34) Trichloroethene	6.57	95	114320	4.795	ug/L	97
35) Methylcyclohexane	6.79	83	167299	4.513	ug/L	98
37) 1,2-Dichloropropane	6.82	63	114317	4.970	ug/L	100
38) Bromodichloromethane	7.13	83	151915	5.091	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	164354	4.821	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	803780	52.219	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061520\

Quantitation Report (Not Reviewed)

Data File : VU038888.D
Acq On : 15 Jun 2020 12:58
Operator : SY/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD00505

Quant Time: Jun 15 13:38:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 15 12:21:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	469232	4.868	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	153906	5.068	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	88370	5.038	ug/L	97
47) Tetrachloroethene	8.57	164	85677	4.668	ug/L	97
48) 2-Hexanone	8.71	43	625642	52.911	ug/L	99
49) Dibromochloromethane	8.83	129	100774	5.146	ug/L	98
50) 1,2-Dibromoethane	8.94	107	84400	4.929	ug/L	97
51) Chlorobenzene	9.47	112	295647	4.763	ug/L	98
52) Ethylbenzene	9.59	91	499535	4.704	ug/L	99
53) m,p-Xylene	9.71	106	194966	4.859	ug/L	98
54) o-Xylene	10.12	106	183718	4.769	ug/L	97
55) Styrene	10.13	104	331970	5.007	ug/L	99
56) Isopropylbenzene	10.50	105	490001	4.758	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	110388	5.061	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	86701	5.082	ug/L	100
61) Bromoform	10.31	173	58682	5.087	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	238199	4.607	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	241764	4.584	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	230664	4.742	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	20631	5.229	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	172859	4.564	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	152639	4.554	ug/L	97
69) Naphthalene	14.11	128	295406	4.643	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	145871	4.761	ug/L	99

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

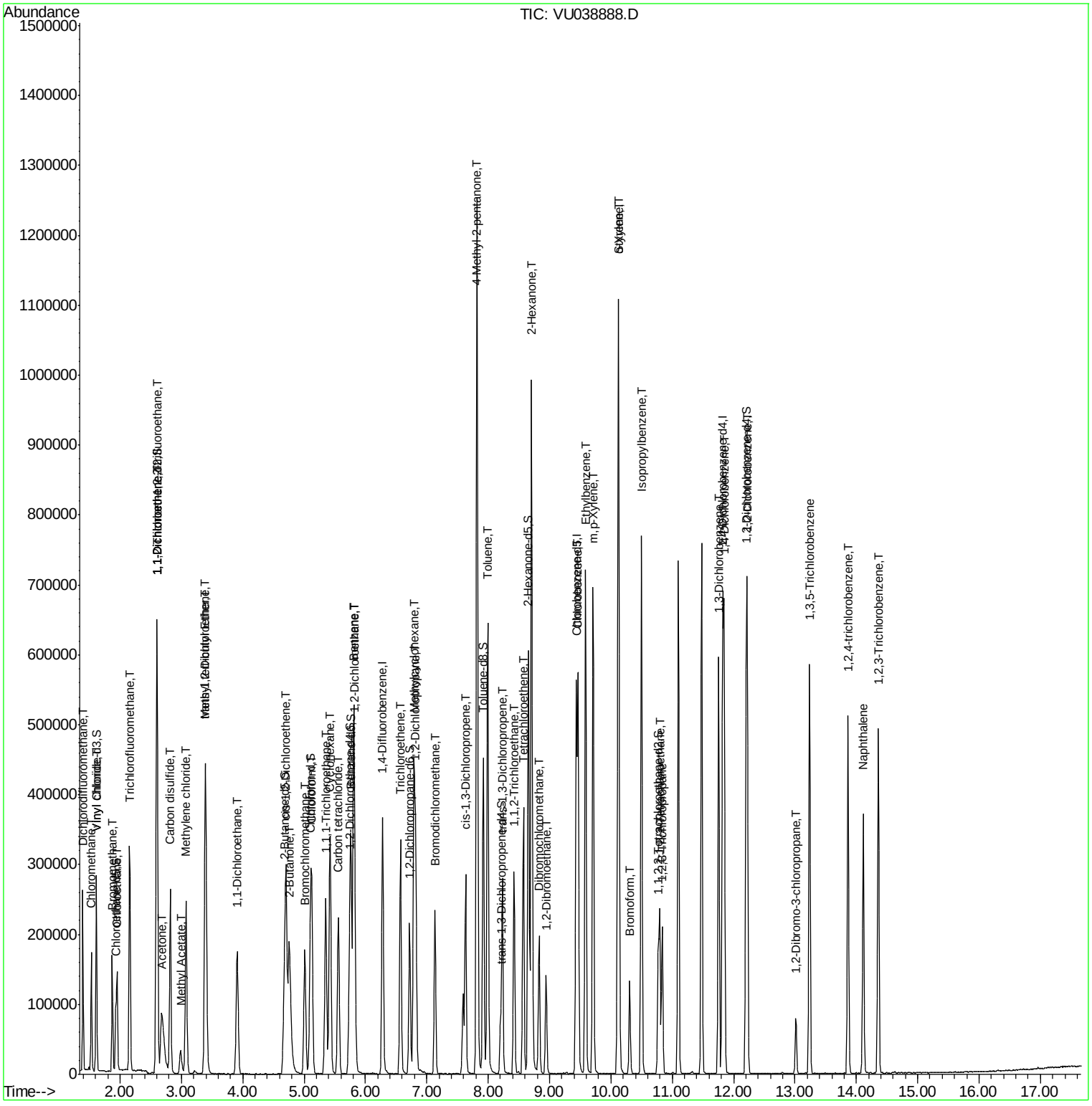
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061520\

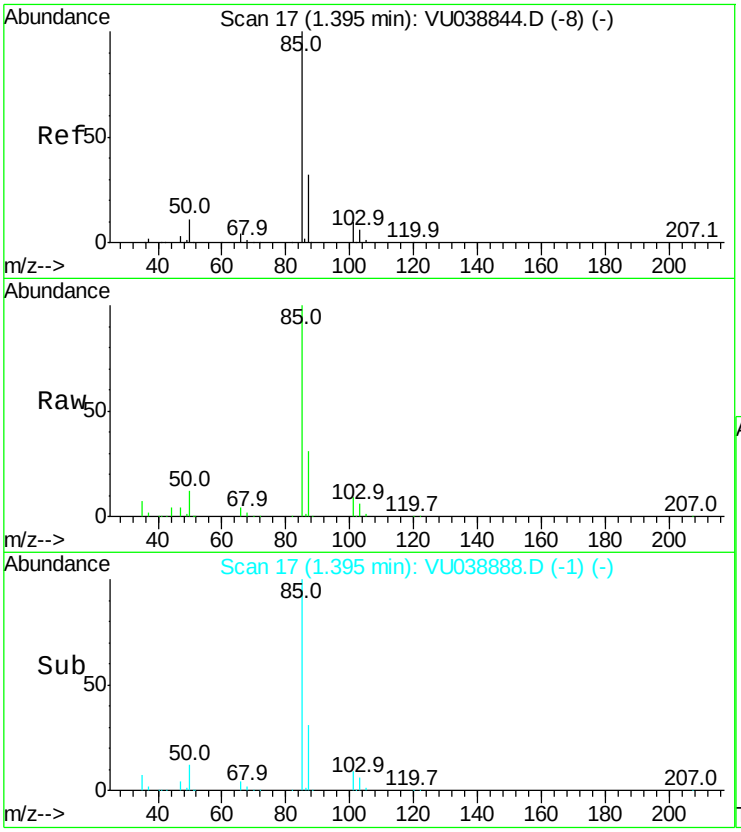
Quantitation Report (Not Reviewed)

Data File : VU038888.D
Acq On : 15 Jun 2020 12:58
Operator : SY/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD00505

Quant Time: Jun 15 13:38:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 15 12:21:37 2020
Response via : Initial Calibration



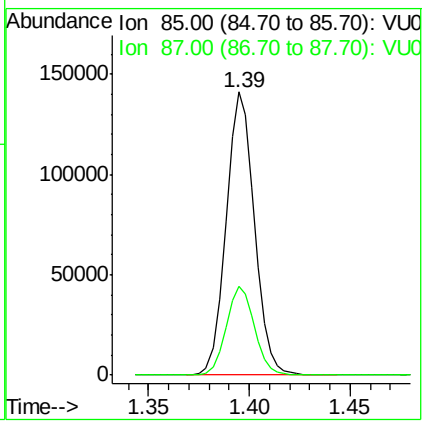


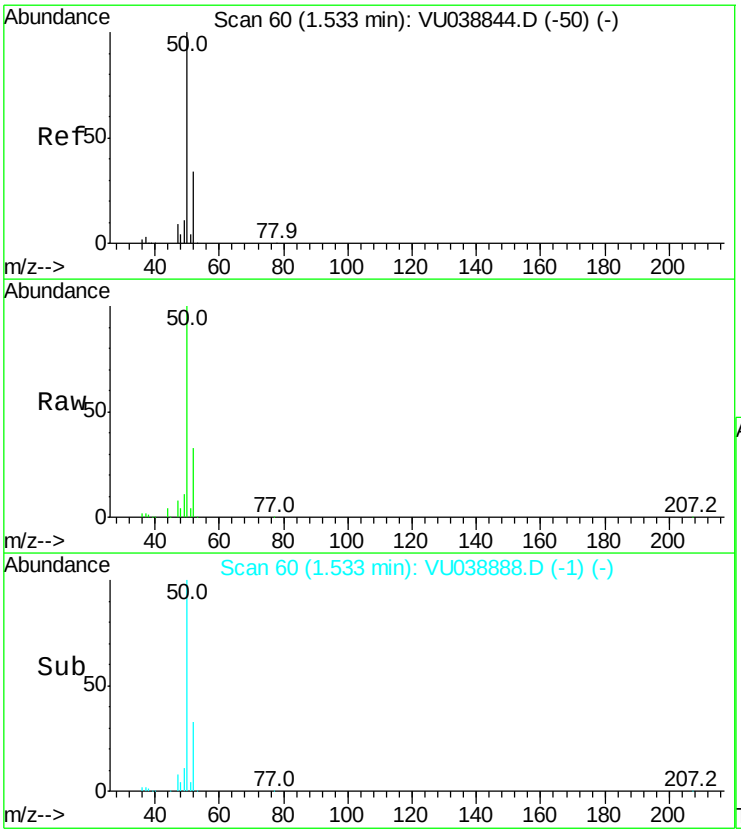
#2
Dichlorodifluoromethane
Concen: 4.655 ug/L
RT: 1.39 min Scan# 17
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 85 Resp: 138364

Ion	Ratio	Lower	Upper
85	100		
87	31.3	25.9	38.9

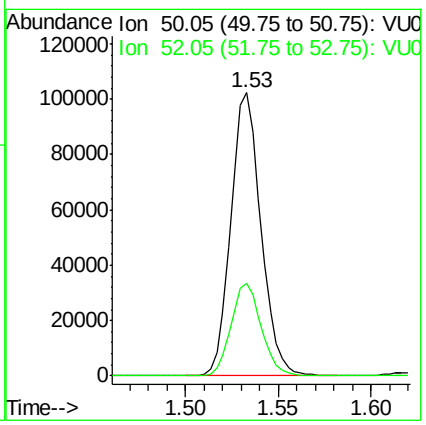


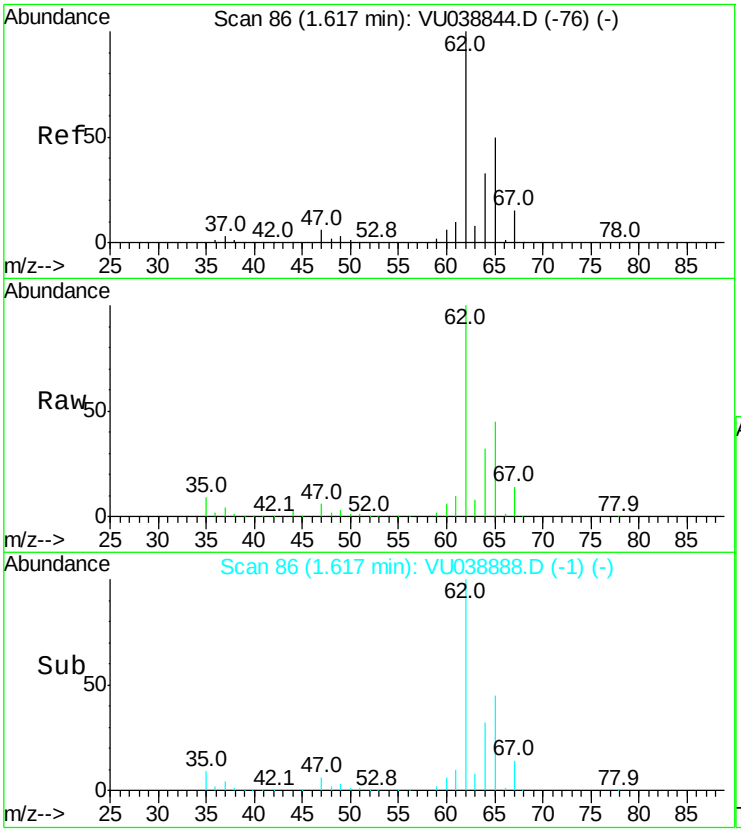


#3
Chloromethane
Concen: 4.700 ug/L
RT: 1.53 min Scan# 60
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 50 Resp: 115254

Ion	Ratio	Lower	Upper
50	100		
52	32.8	22.7	42.3



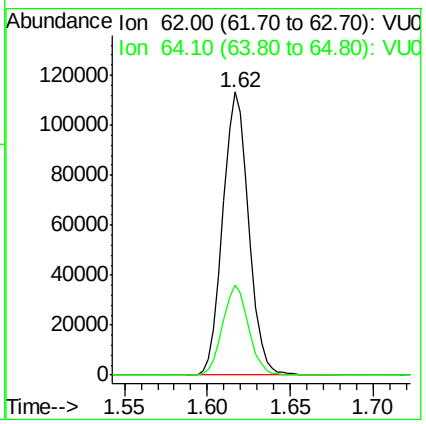


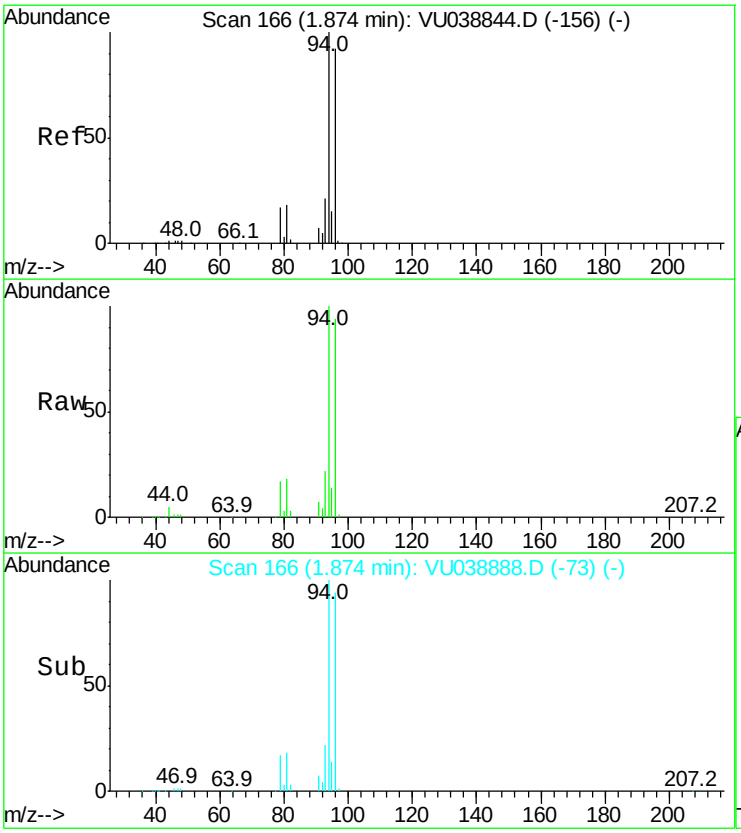
#5
Vinyl chloride
Concen: 4.721 ug/L
RT: 1.62 min Scan# 86
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 62 Resp: 122980

Ion	Ratio	Lower	Upper
62	100		
64	31.7	23.4	43.6

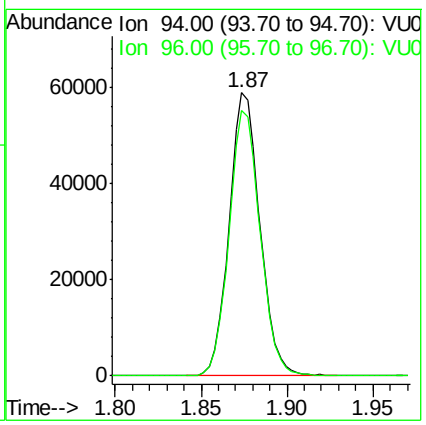


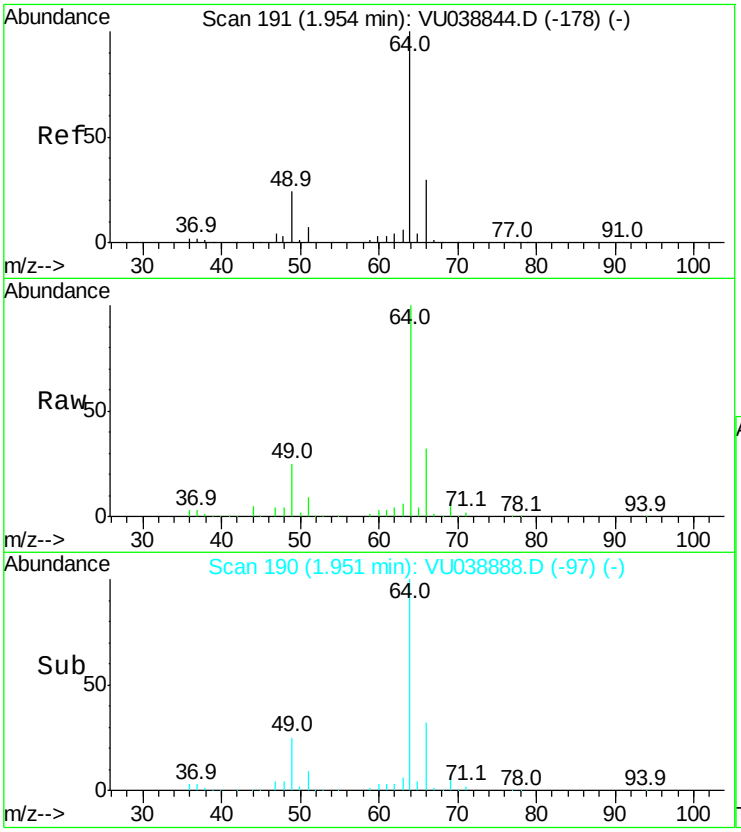


#6
Bromomethane
Concen: 4.920 ug/L
RT: 1.87 min Scan# 166
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 94 Resp: 73548

Ion	Ratio	Lower	Upper
94	100		
96	93.6	66.8	124.2



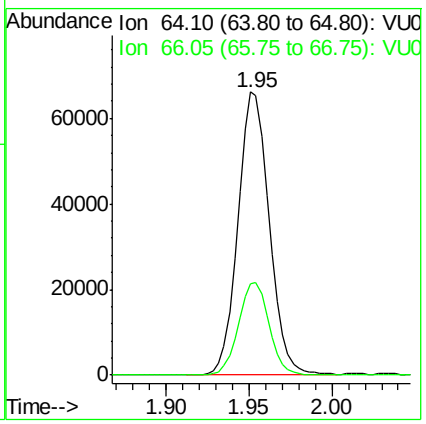


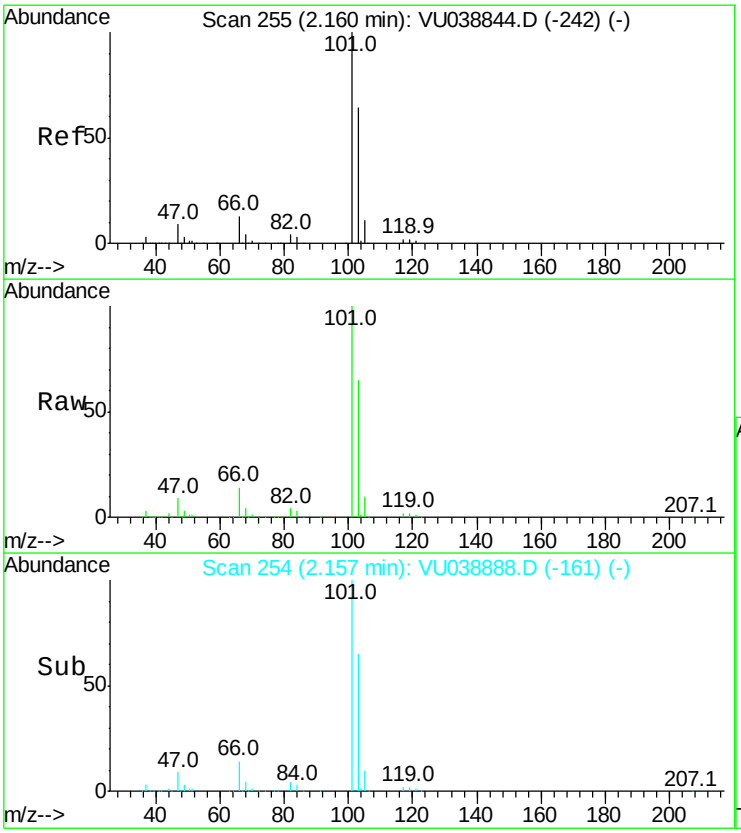
#8
Chloroethane
Concen: 5.369 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 64 Resp: 86389

Ion	Ratio	Lower	Upper
64	100		
66	32.3	22.9	42.5

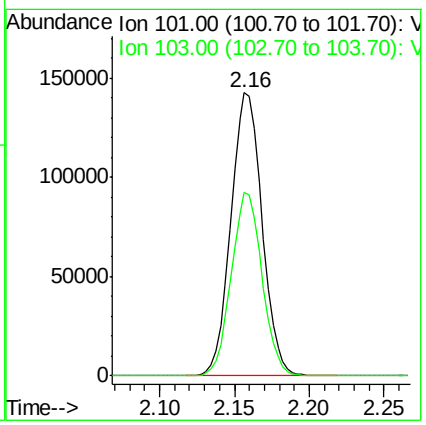


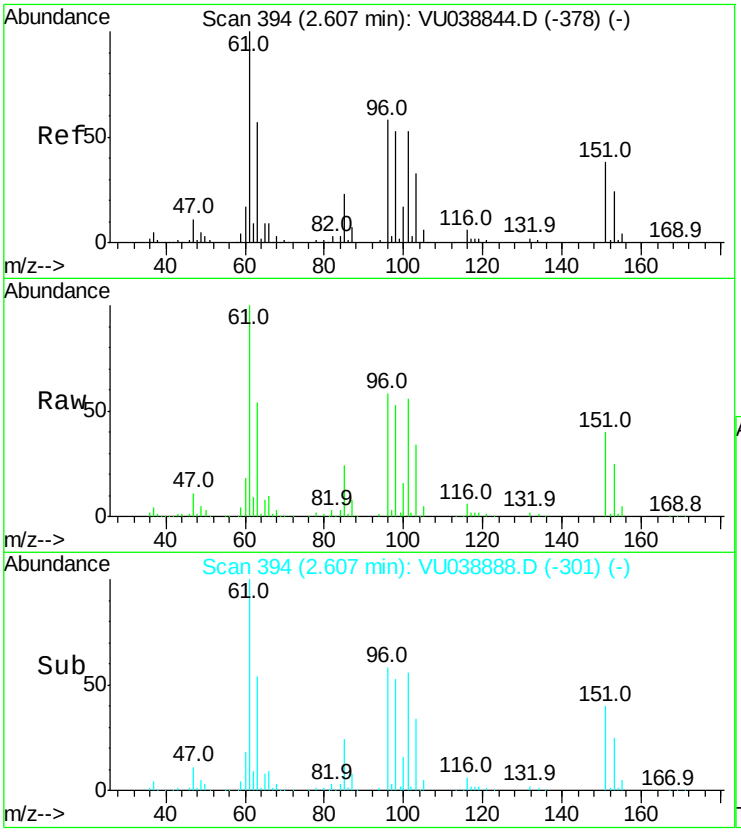


#9
Trichlorofluoromethane
Concen: 5.351 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion:101 Resp: 206882

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.5	77.3



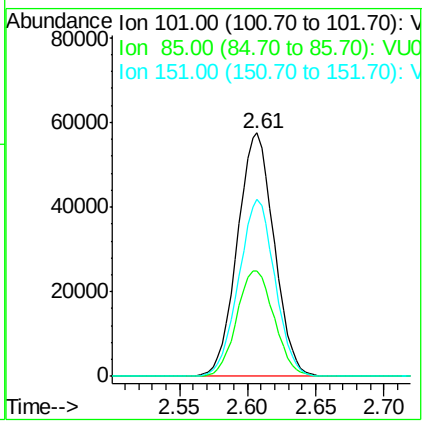


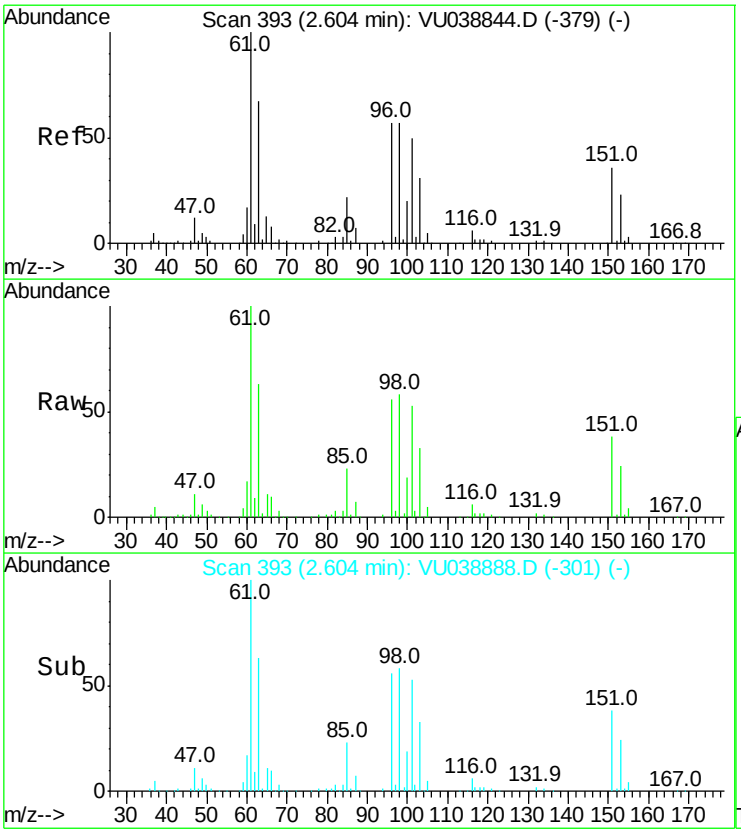
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.857 ug/L
RT: 2.61 min Scan# 394
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:101 Resp: 107413

Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.5	51.7
151	71.8	56.5	84.7

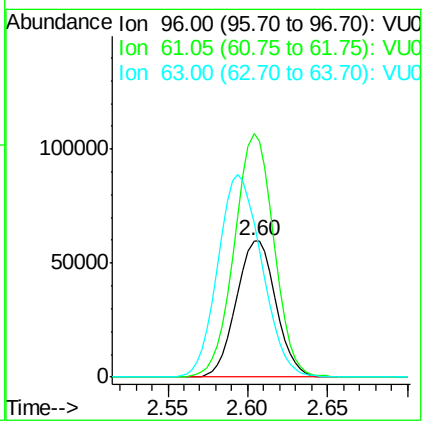


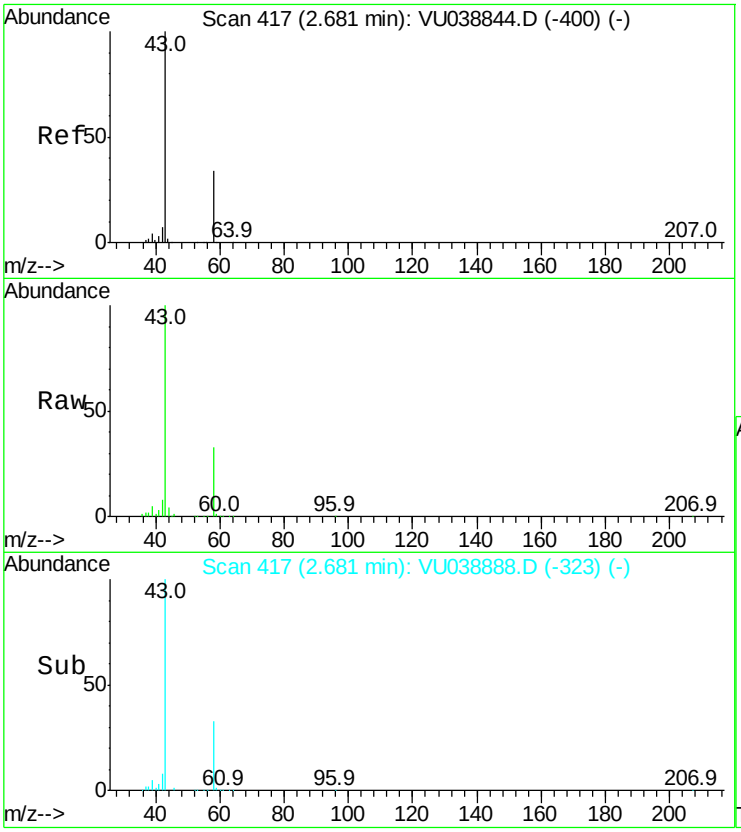


#12
1,1-Dichloroethene
Concen: 4.708 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 96 Resp: 100612

Ion	Ratio	Lower	Upper
96	100		
61	178.5	120.2	223.2
63	113.0	90.1	167.3



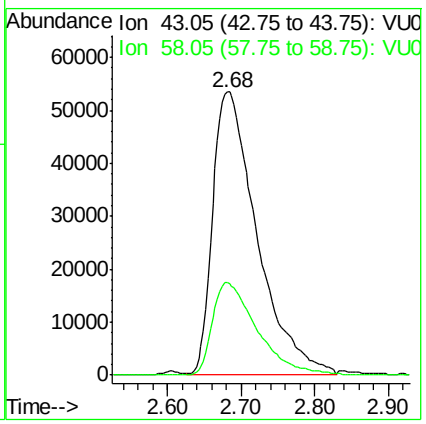


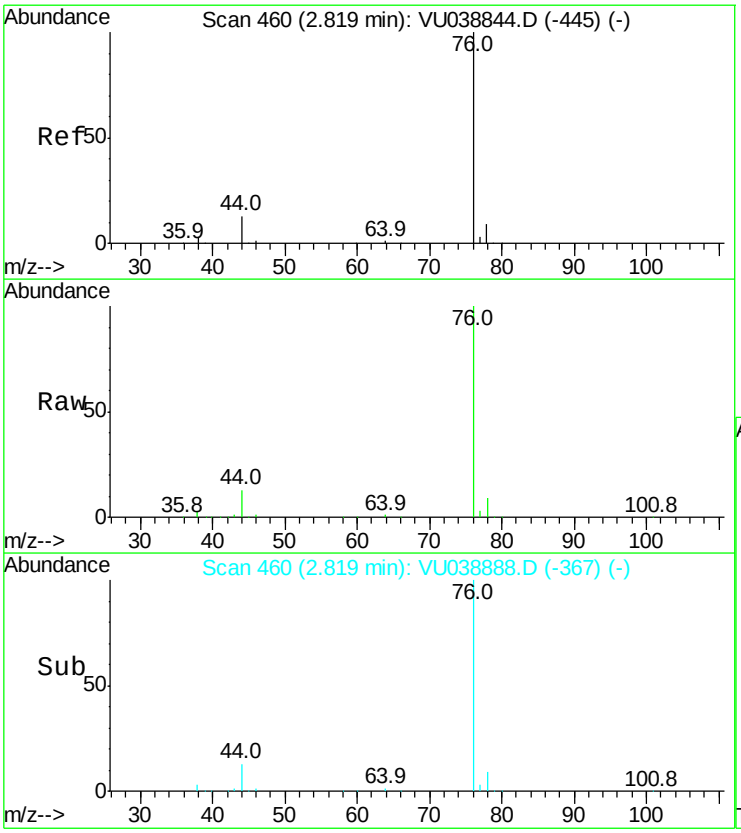
#13
Acetone
Concen: 52.961 ug/L
RT: 2.68 min Scan# 417
Delta R.T. 0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument : MSVOA_U
ClientSampleId : VSTD00505

Tgt Ion: 43 Resp: 224267

Ion	Ratio	Lower	Upper
43	100		
58	32.8	0.0	66.0

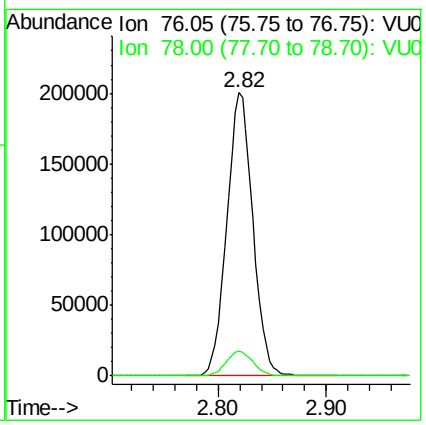


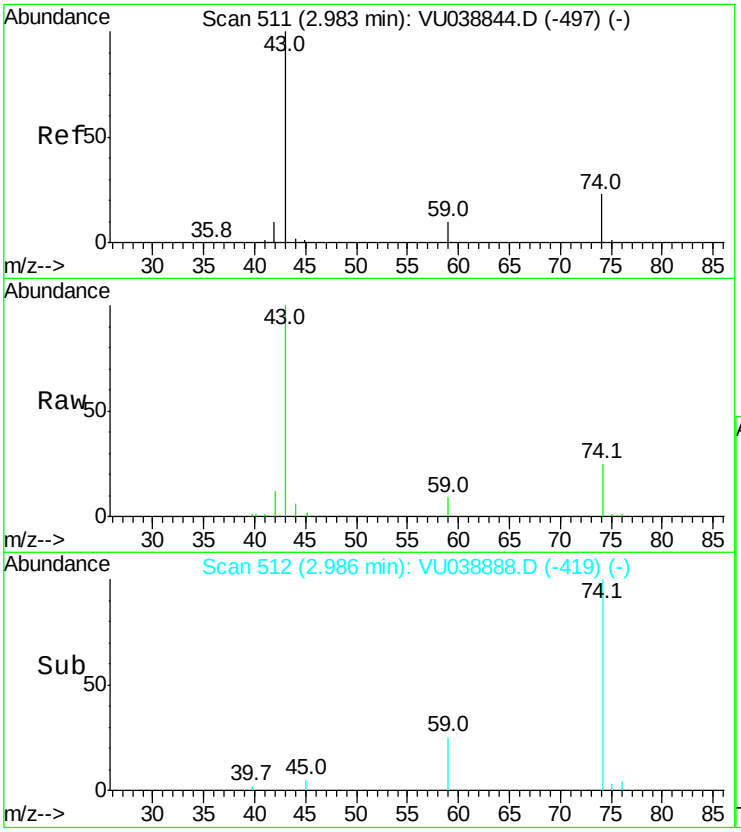


#14
Carbon disulfide
Concen: 4.624 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 76 Resp: 336362

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4



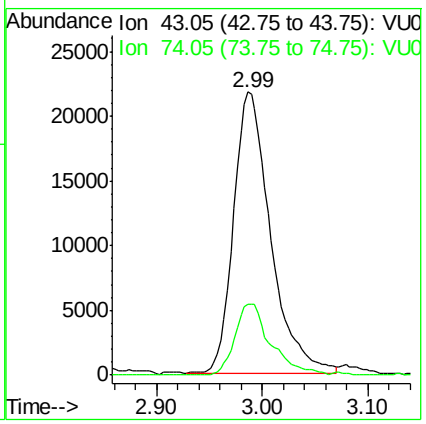


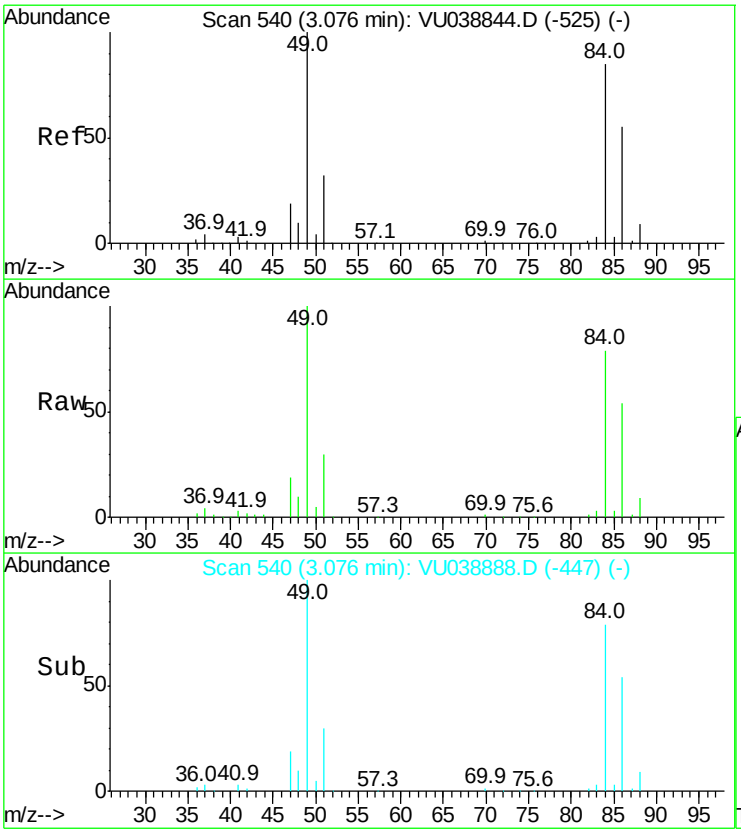
#15
Methyl Acetate
Concen: 5.109 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument : MSVOA_U
ClientSampleId : VSTD00505

Tgt Ion: 43 Resp: 52852

Ion	Ratio	Lower	Upper
43	100		
74	24.6	21.0	31.4

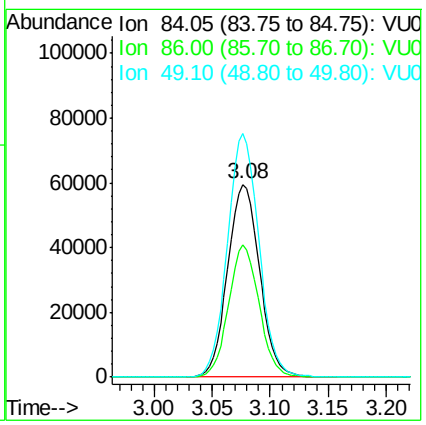


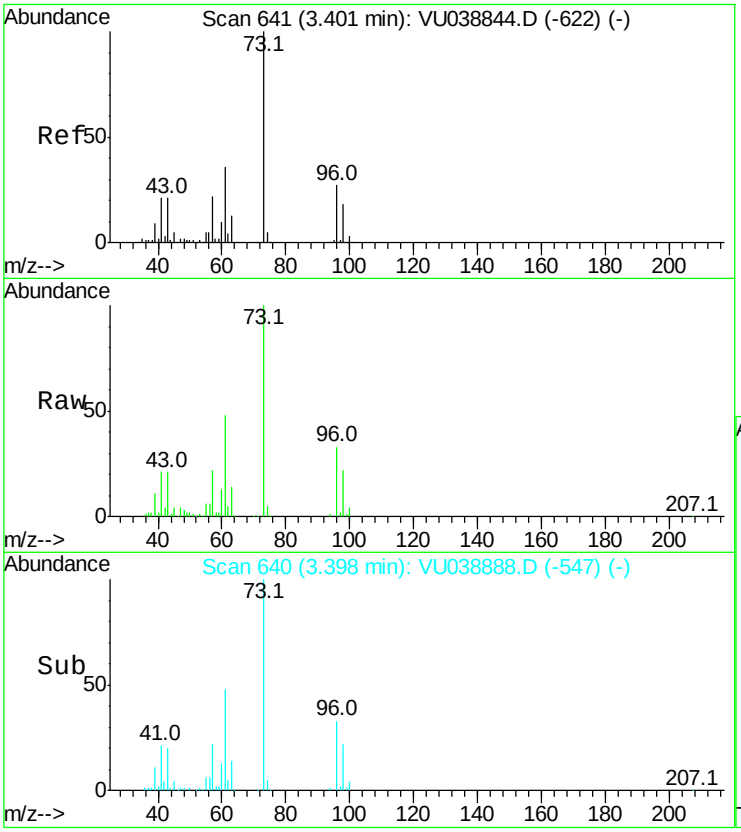


#16
Methylene chloride
Concen: 4.645 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 84 Resp: 114125

Ion	Ratio	Lower	Upper
84	100		
86	68.5	43.0	80.0
49	126.3	85.0	157.8



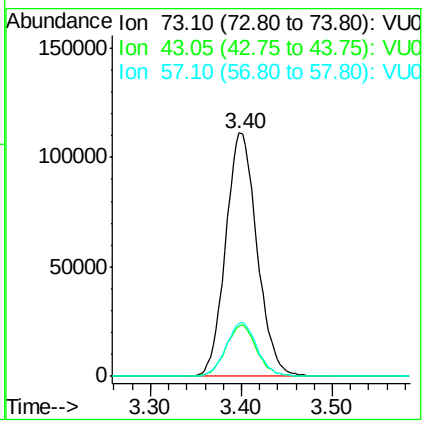


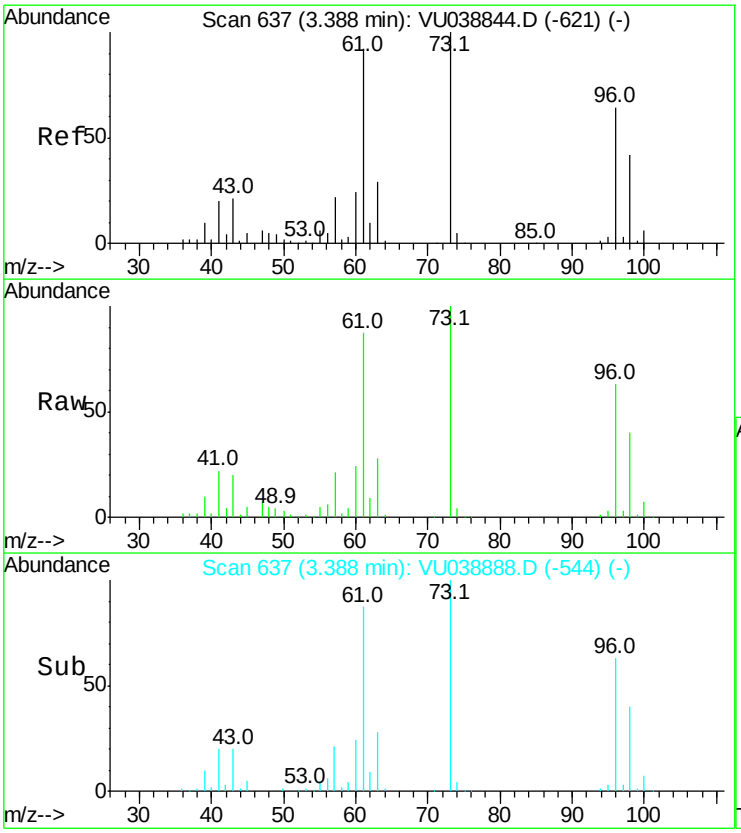
#17
Methyl tert-butyl Ether
Concen: 4.835 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 73 Resp: 266244

Ion	Ratio	Lower	Upper
73	100		
43	20.7	15.9	23.9
57	21.9	17.5	26.3

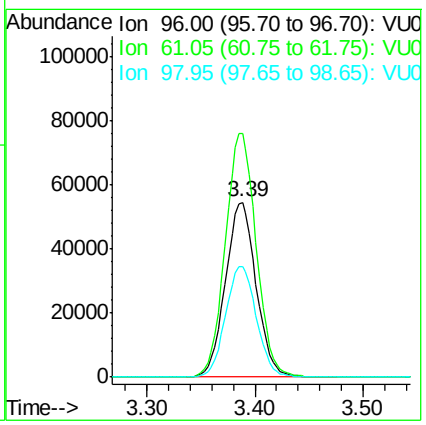


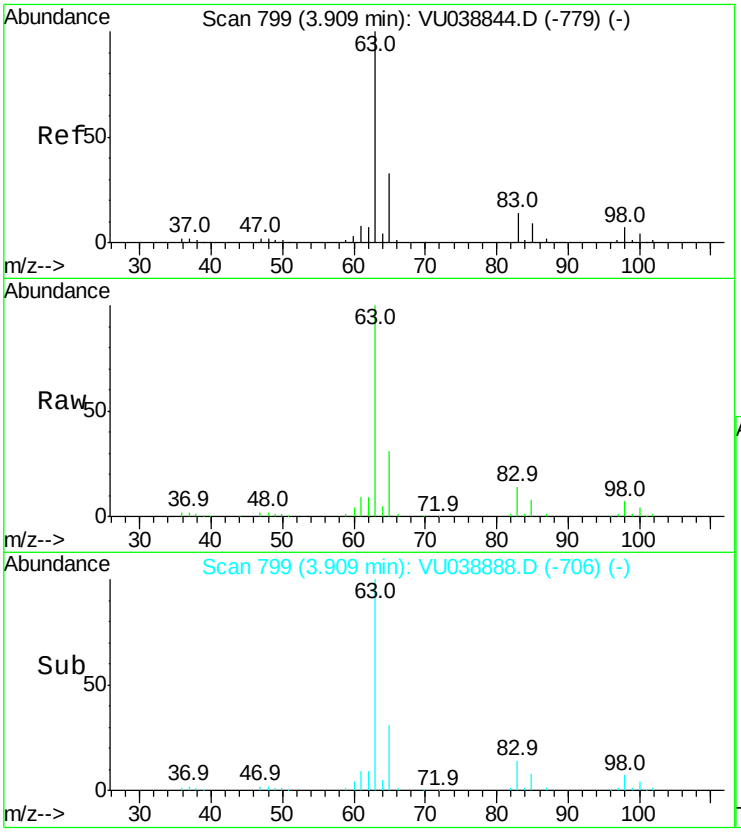


#18
trans-1,2-Dichloroethene
Concen: 4.706 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 96 Resp: 107990

Ion	Ratio	Lower	Upper
96	100		
61	139.5	99.3	184.5
98	63.6	43.9	81.5



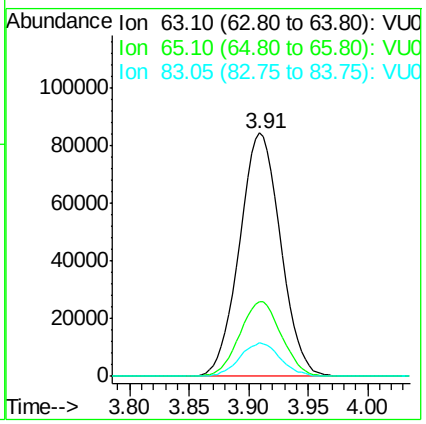


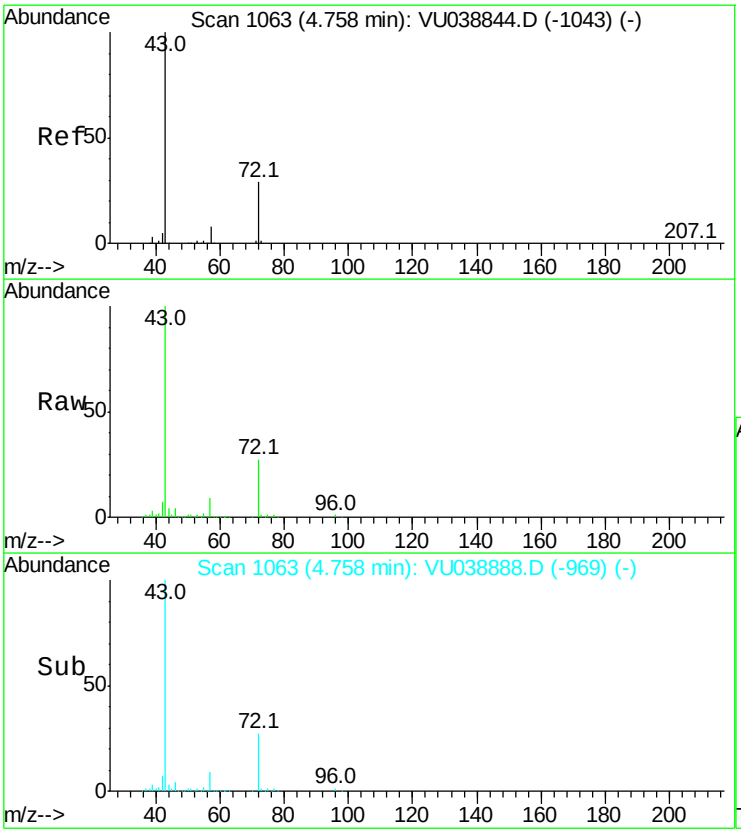
#19
1,1-Dichloroethane
Concen: 4.901 ug/L
RT: 3.91 min Scan# 799
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 63 Resp: 202416

Ion	Ratio	Lower	Upper
63	100		
65	30.5	22.3	41.5
83	13.6	10.1	18.9

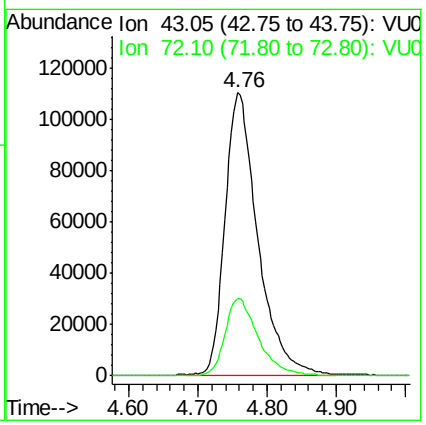


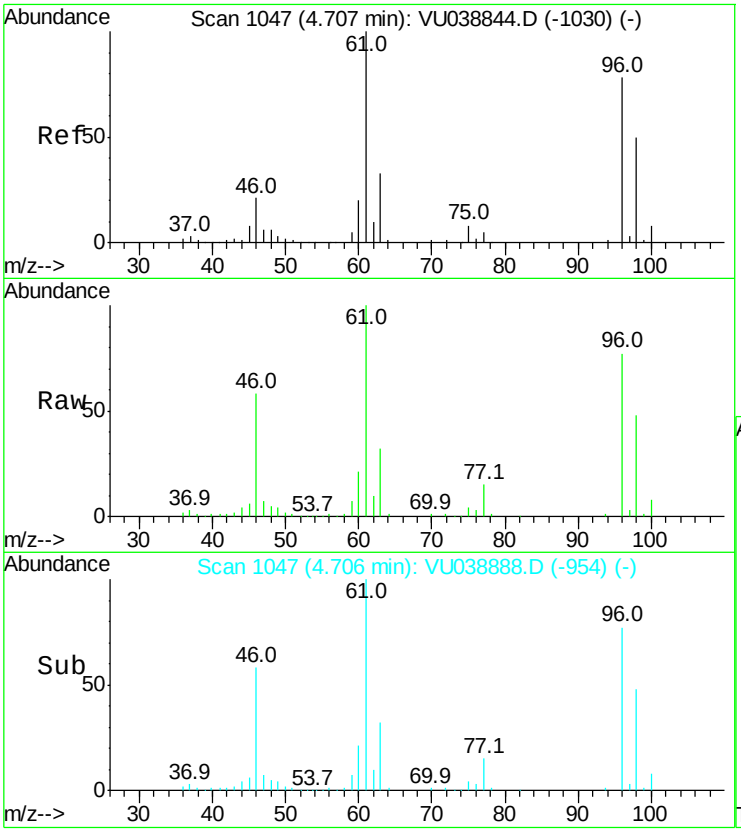


#21
2-Butanone
Concen: 52.797 ug/L
RT: 4.76 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 43 Resp: 367260

Ion	Ratio	Lower	Upper
43	100		
72	27.9	14.2	42.8



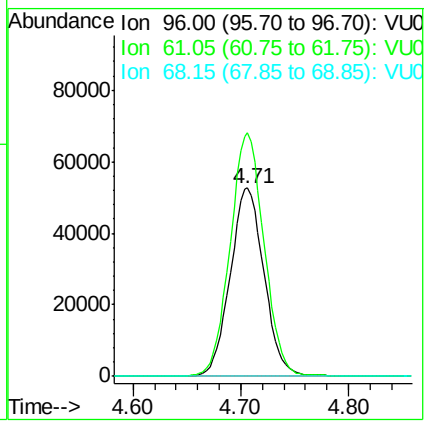


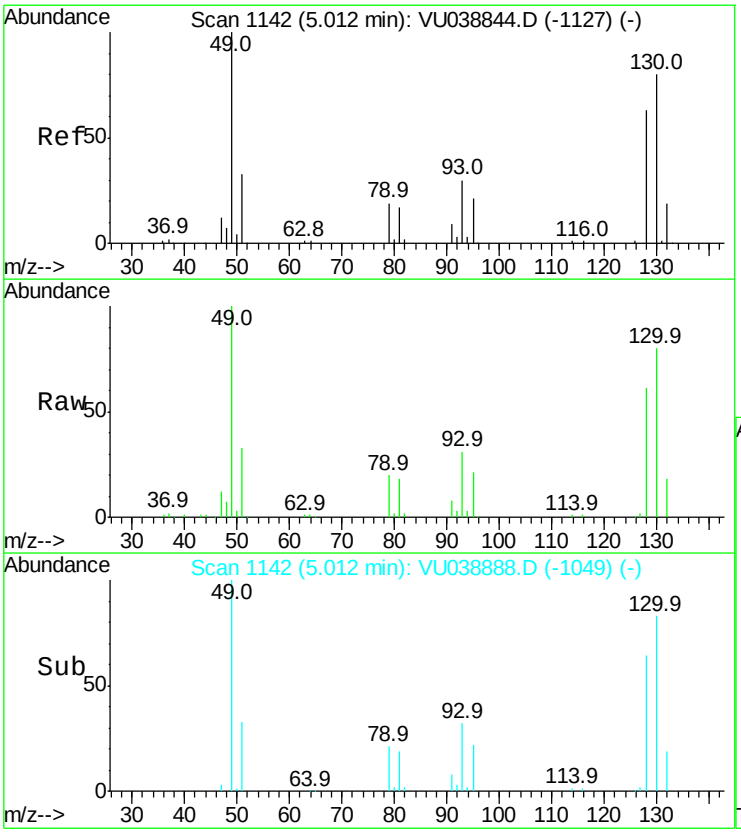
#22
cis-1,2-Dichloroethene
Concen: 4.819 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 96 Resp: 115171

Ion	Ratio	Lower	Upper
96	100		
61	129.3	89.7	166.7
68	0.0	0.0	0.0

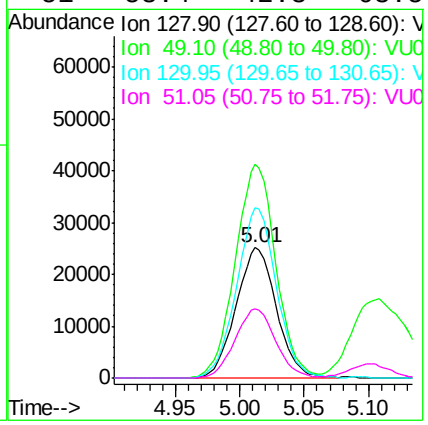


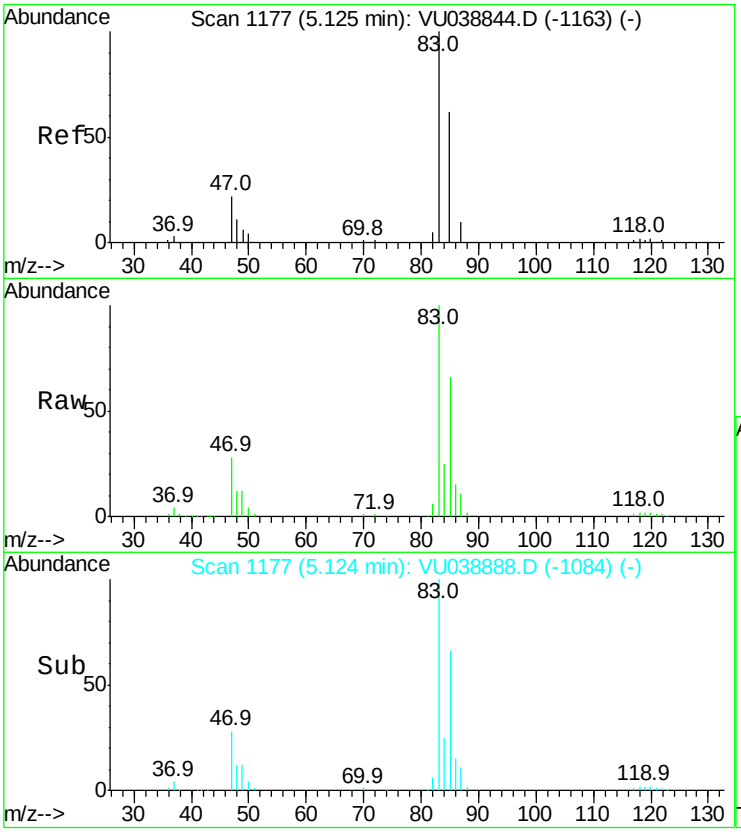


#23
Bromochloromethane
Concen: 4.896 ug/L
RT: 5.01 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion:128 Resp: 54850

Ion	Ratio	Lower	Upper
128	100		
49	164.0	110.8	205.8
130	131.0	86.6	160.8
51	53.4	42.3	63.5



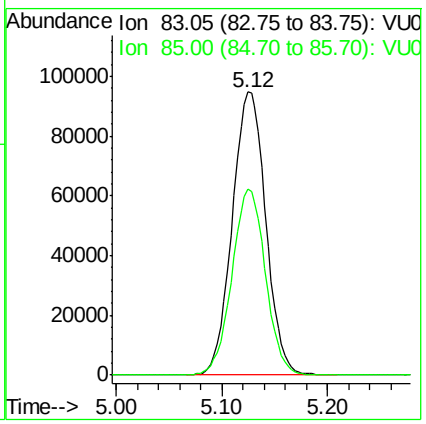


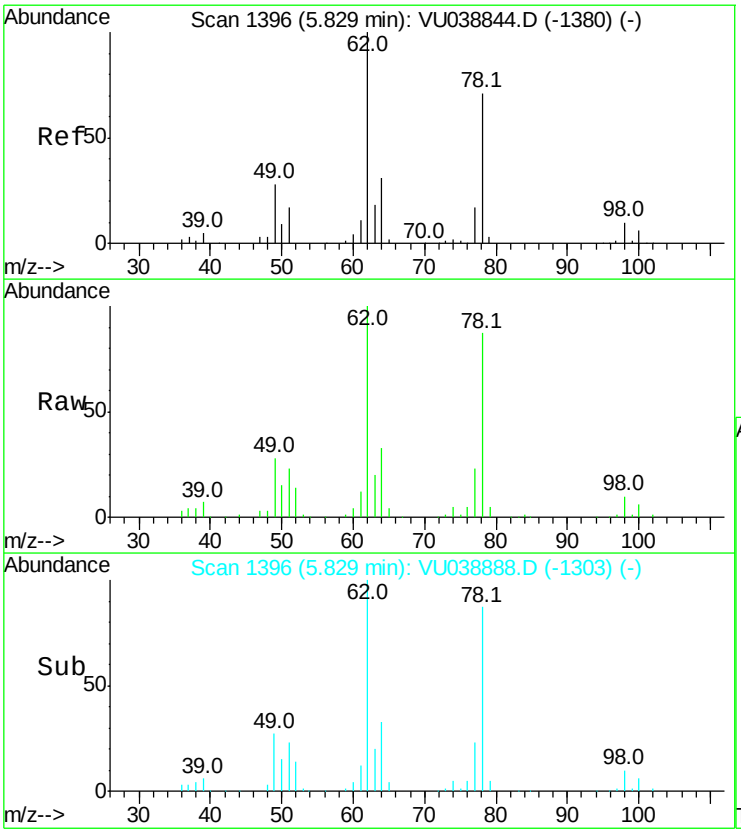
#25
Chloroform
Concen: 4.911 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 83 Resp: 209099

Ion	Ratio	Lower	Upper
83	100		
85	65.5	44.1	81.9

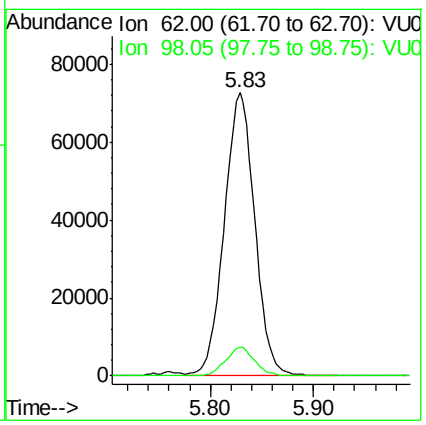


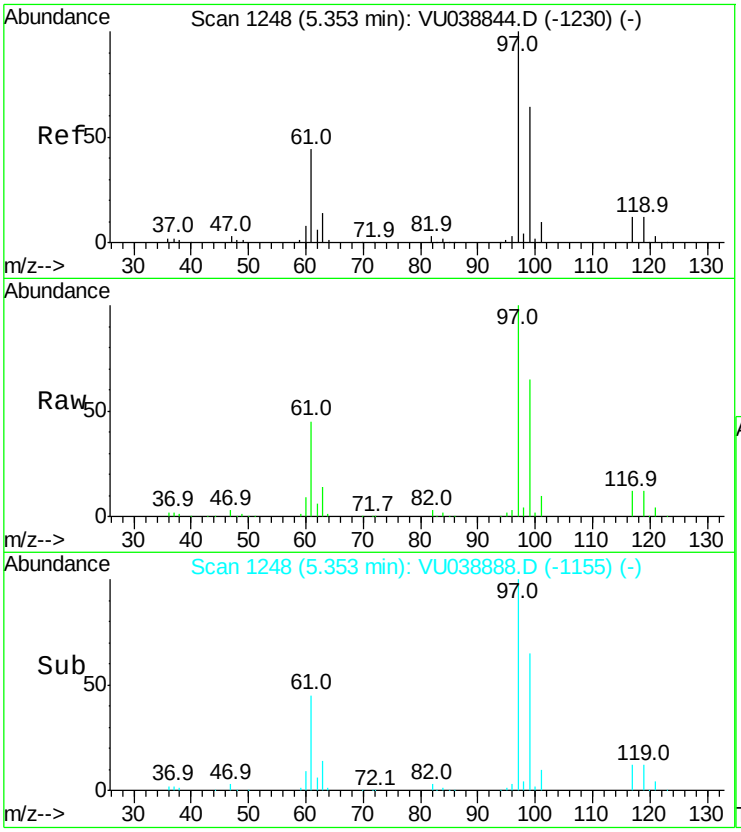


#27
1,2-Dichloroethane
Concen: 4.994 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 62 Resp: 148269

Ion	Ratio	Lower	Upper
62	100		
98	10.3	8.2	12.4



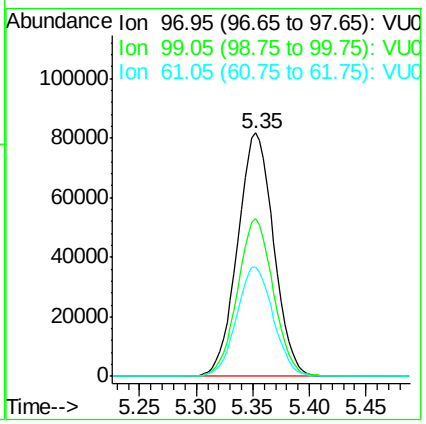


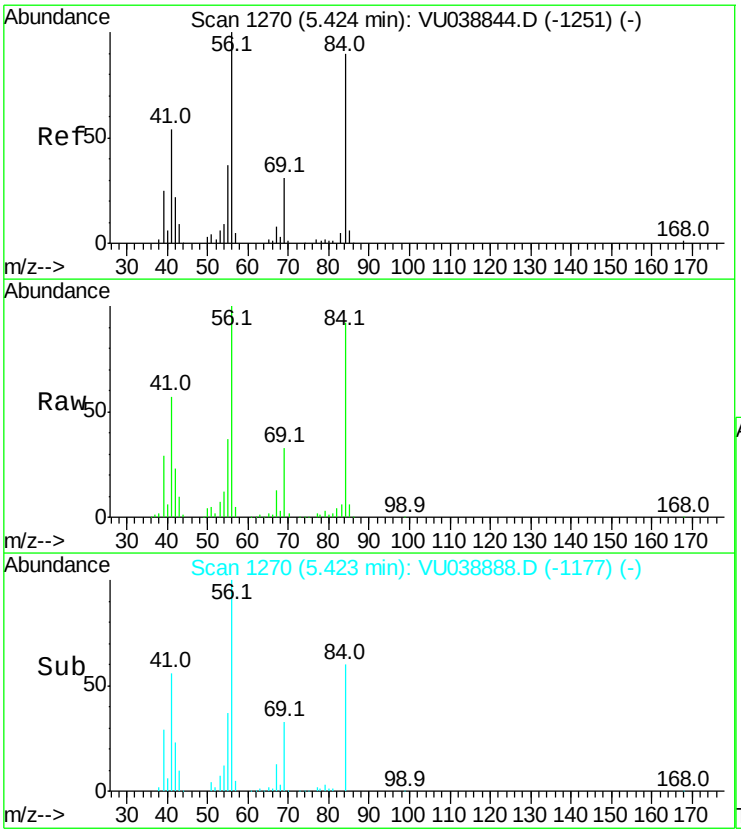
#29
1,1,1-Trichloroethane
Concen: 4.863 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 97 Resp: 181345

Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.1	78.1
61	45.4	35.9	53.9

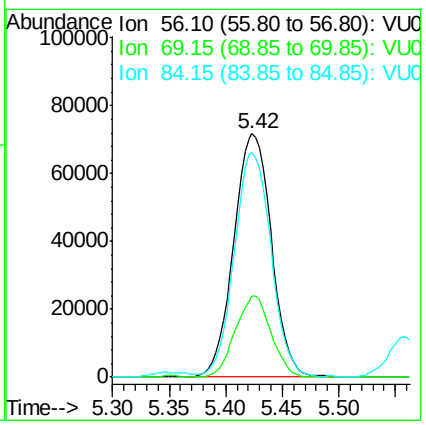


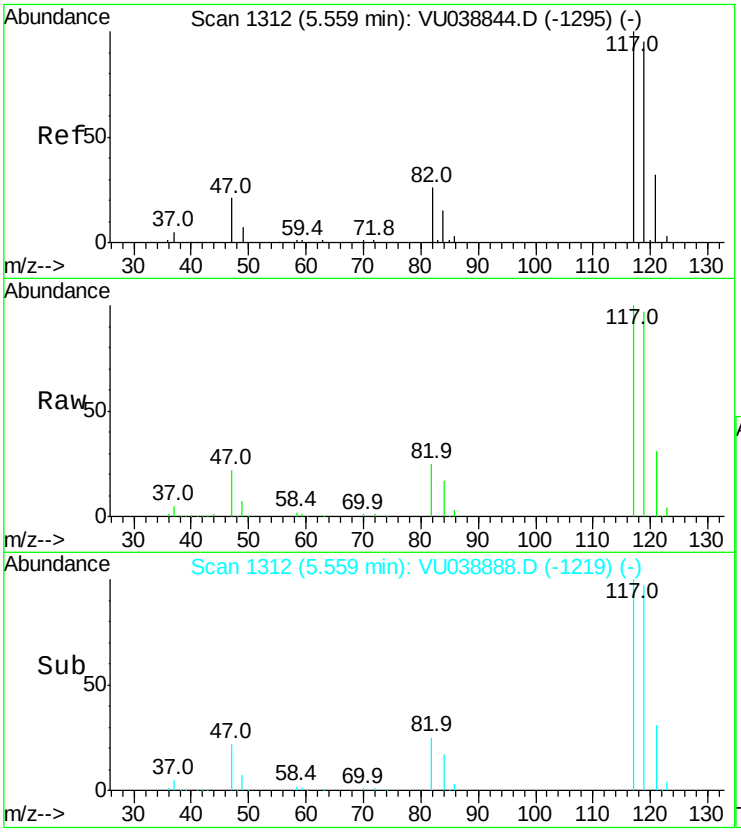


#30
Cyclohexane
Concen: 4.598 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 56 Resp: 166157

Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.1	37.7
84	90.1	69.5	104.3



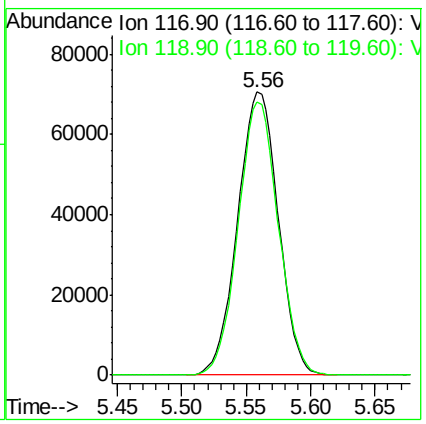


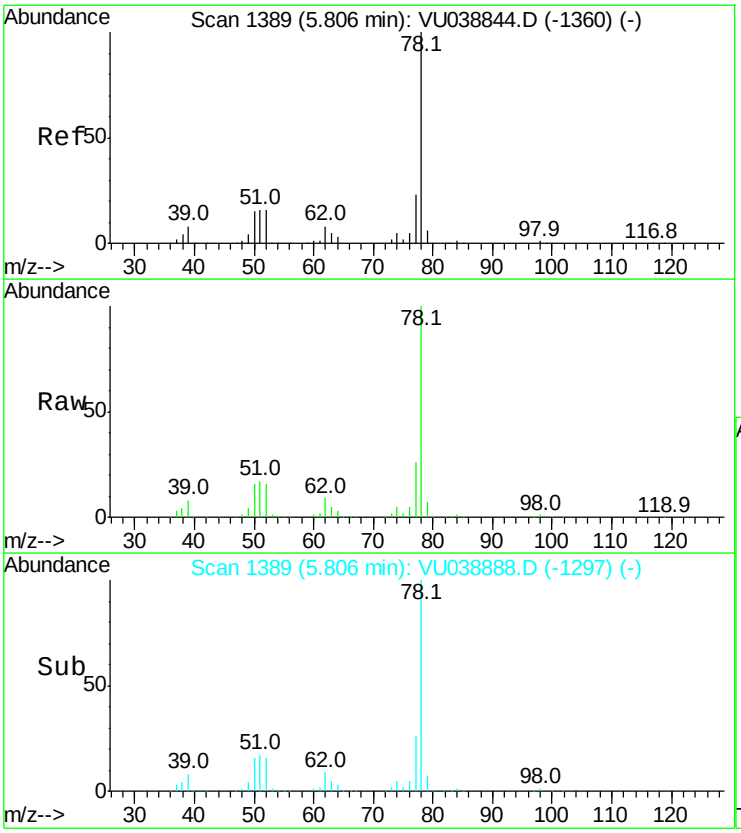
#31
Carbon tetrachloride
Concen: 4.904 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:117 Resp: 154359

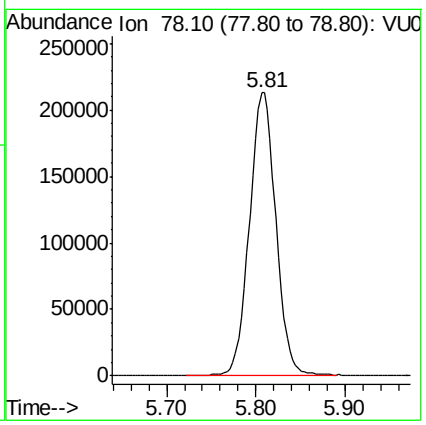
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.2

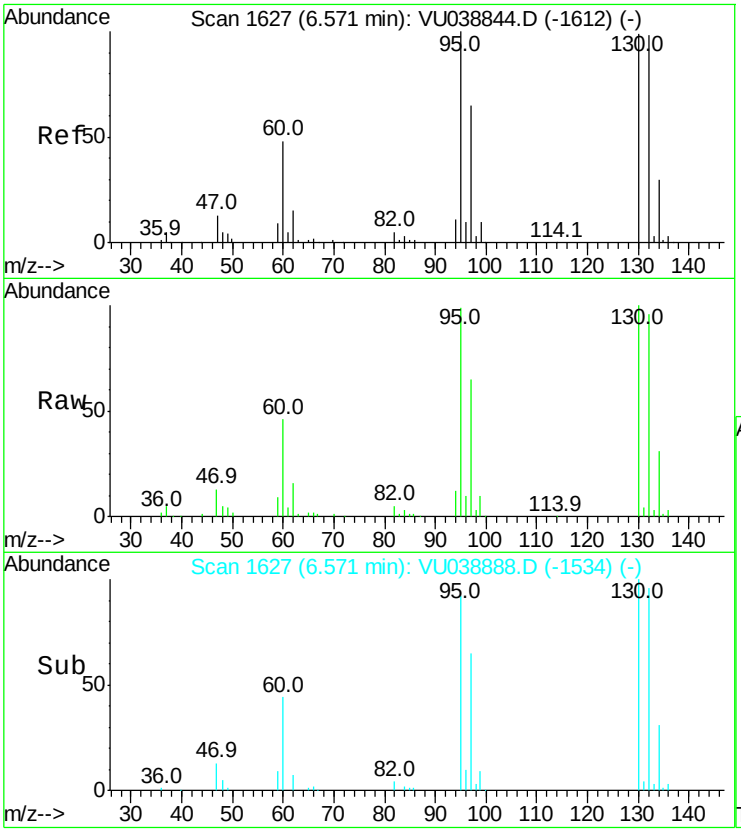




#33
Benzene
Concen: 4.841 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 78 Resp: 442025



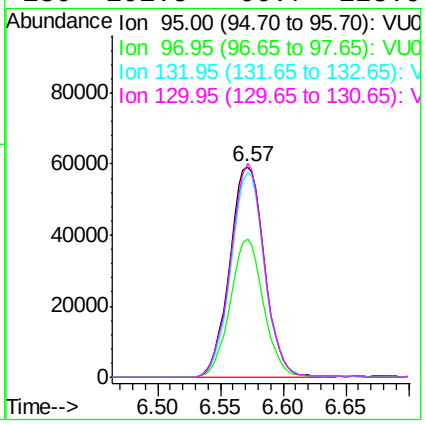


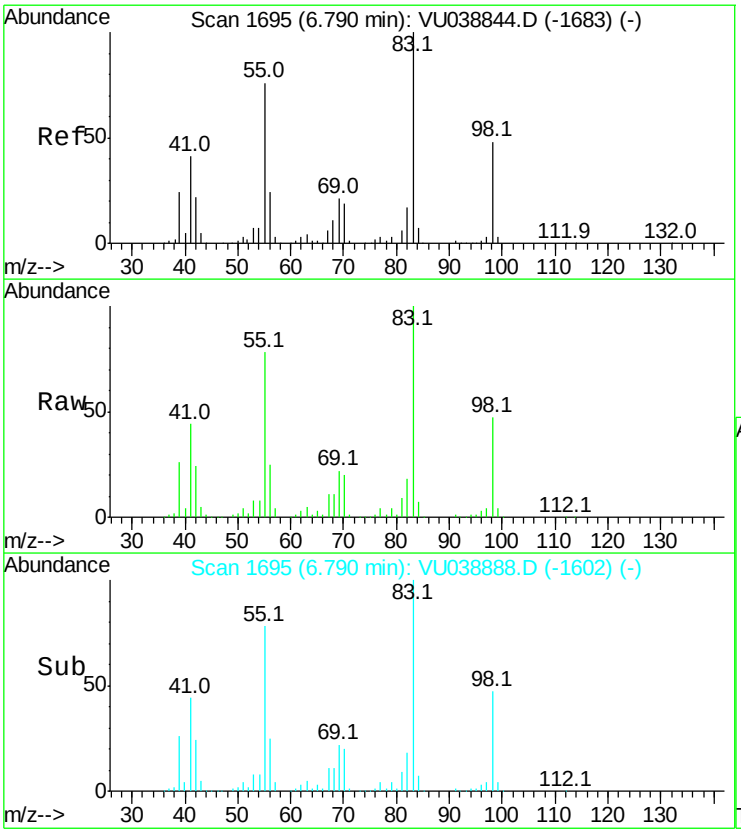
#34
Trichloroethene
Concen: 4.795 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 95 Resp: 114320

Ion	Ratio	Lower	Upper
95	100		
97	65.8	46.1	85.5
132	97.4	67.5	125.3
130	101.5	66.7	123.9





#35
Methylcyclohexane
Concen: 4.513 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU038888.D
Acq: 15 Jun 2020 12:58

Tgt Ion: 83 Resp: 167299

Ion	Ratio	Lower	Upper
83	100		
55	79.5	64.2	96.2
98	48.6	40.5	60.7