Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040920\

Quantitation Report (Not Reviewed)

Data File : VU037611.D
Acq On : 09 Apr 2020 11:19
Operator : JC/MD
Sample : VSTD200
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD20035

Quant Time: Apr 09 11:42:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 09 10:58:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	589181	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	581238	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	296426	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	1001850	209.37	ug/L	0.00
7) Chloroethane-d5	1.91	69	797671	207.48	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.59	63	1614068	200.67	ug/L	0.00
21) 2-Butanone-d5	4.67	46	1597646	444.23	ug/L	0.00
24) Chloroform-d	5.10	84	1520493	188.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	997557	186.37	ug/L	0.00
32) Benzene-d6	5.76	84	3217056	191.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	1071833	189.07	ug/L	0.00
41) Toluene-d8	7.92	98	2993316	190.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	577962	187.77	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	1252602	417.03	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1577170	194.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	1151583	190.38	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	900099	236.310	ug/L	100
3) Chloromethane	1.53	50	1091698	270.199	ug/L	99
5) Vinyl chloride	1.62	62	1119804	279.108	ug/L	99
6) Bromomethane	1.85	94	610410	308.483	ug/L	100
8) Chloroethane	1.94	64	655007	276.812	ug/L	99
9) Trichlorofluoromethane	2.15	101	1192944	209.578	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	711508	219.149	ug/L	100
12) 1,1-Dichloroethene	2.60	96	736732	233.761	ug/L	99
13) Acetone	2.66	43	932506	448.564	ug/L	100
14) Carbon disulfide	2.82	76	2517239	276.505	ug/L	99
15) Methyl Acetate	2.98	43	1136260	241.201	ug/L	100
16) Methylene chloride	3.07	84	851918	222.850	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	787325	231.994	ug/L	97
18) Methyl tert-butyl Ether	3.40	73	2757548	231.799	ug/L	100
19) 1,1-Dichloroethane	3.91	63	1564342	235.269	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	875607	224.046	ug/L	98
22) 2-Butanone	4.75	43	1665072	490.723	ug/L	100
23) Bromochloromethane	5.02	128	428250	228.301	ug/L	99
25) Chloroform	5.13	83	1449028	209.018	ug/L	99
27) 1,2-Dichloroethane	5.83	62	1203703	224.979	ug/L	100
29) Cyclohexane	5.42	56	1508237	247.601	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	1270777	206.254	ug/L	99
31) Carbon tetrachloride	5.56	117	1035467	204.197	ug/L	99
33) Benzene	5.81	78	3397632	223.094	ug/L	100
34) Trichloroethene	6.57	95	836621	210.087	ug/L	99
35) Methylcyclohexane	6.79	83	1460982	237.445	ug/L	99
37) 1,2-Dichloropropane	6.82	63	934881	215.445	ug/L	100
38) Bromodichloromethane	7.13	83	1161757	205.848	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	1567889	231.335	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	3360986	477.311	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040920\

Quantitation Report (Not Reviewed)

Data File : VU037611.D
Acq On : 09 Apr 2020 11:19
Operator : JC/MD
Sample : VSTD200
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD20035

Quant Time: Apr 09 11:42:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 09 10:58:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Toluene	7.99	91	3627672	220.115 ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	1511403	226.447 ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	835304	210.838 ug/L	99
46) Tetrachloroethene	8.57	164	627308	234.610 ug/L	97
48) 2-Hexanone	8.71	43	2638407	481.821 ug/L	99
49) Dibromochloromethane	8.83	129	915078	207.081 ug/L	98
50) 1,2-Dibromoethane	8.95	107	910551	208.981 ug/L	98
51) Chlorobenzene	9.47	112	2310611	226.035 ug/L	100
52) Ethylbenzene	9.59	91	4136249	221.929 ug/L	100
53) m,p-Xylene	9.71	106	1579753	227.239 ug/L	100
54) o-xylene	10.12	106	1565751	233.678 ug/L	99
55) Styrene	10.13	104	2772855	233.714 ug/L	99
56) Isopropylbenzene	10.50	105	4080186	224.593 ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	1547403	216.657 ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	1297461	232.588 ug/L	100
61) Bromoform	10.31	173	746771	220.375 ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	1848648	215.985 ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	1858379	215.125 ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	1810558	213.638 ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	417118	205.190 ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	1373237	231.148 ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	1317695	232.662 ug/L	100
69) Naphthalene	14.11	128	4667890	194.543 ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	1293926	226.153 ug/L	99

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

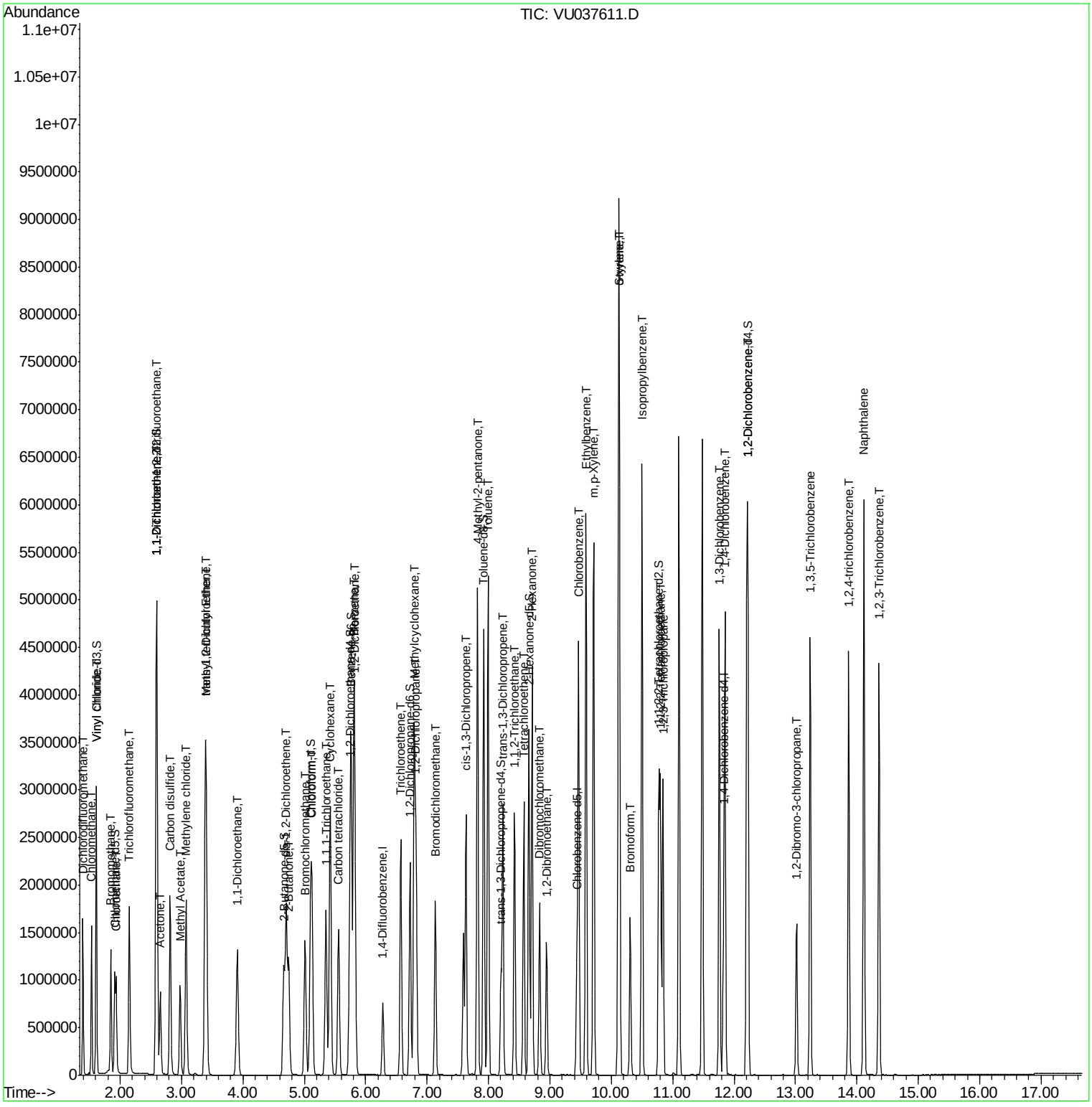
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040920\

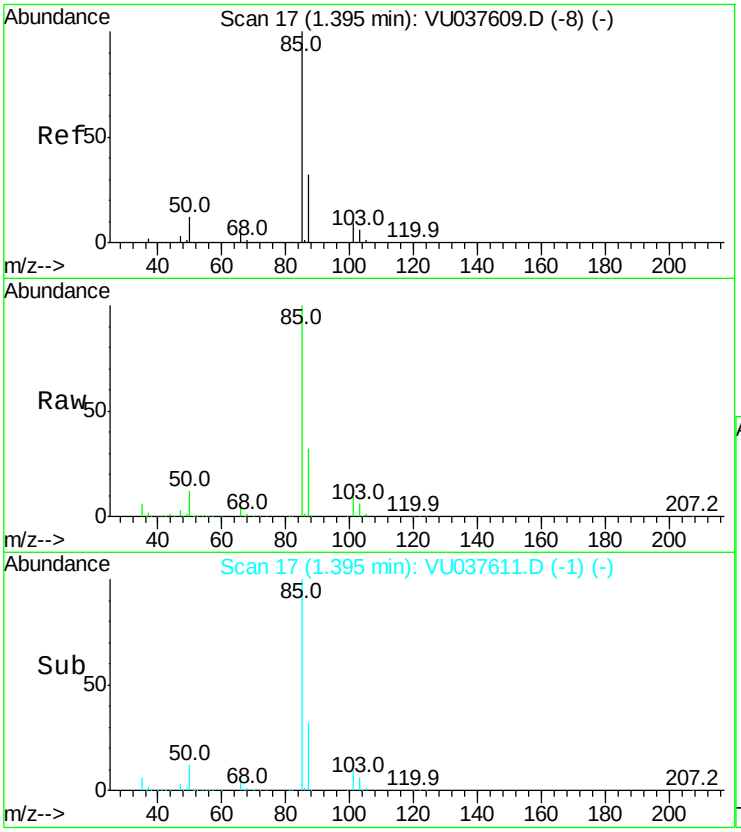
Quantitation Report (Not Reviewed)

Data File : VU037611.D
Acq On : 09 Apr 2020 11:19
Operator : JC/MD
Sample : VSTD200
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

Quant Time: Apr 09 11:42:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 09 10:58:31 2020
Response via : Initial Calibration



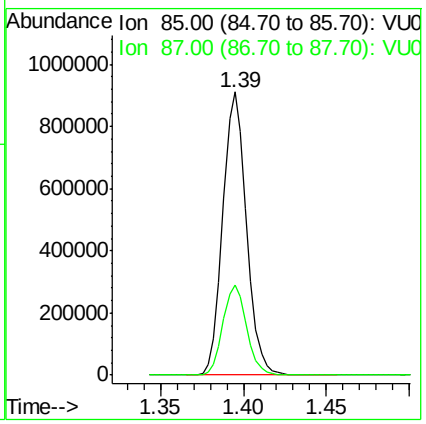


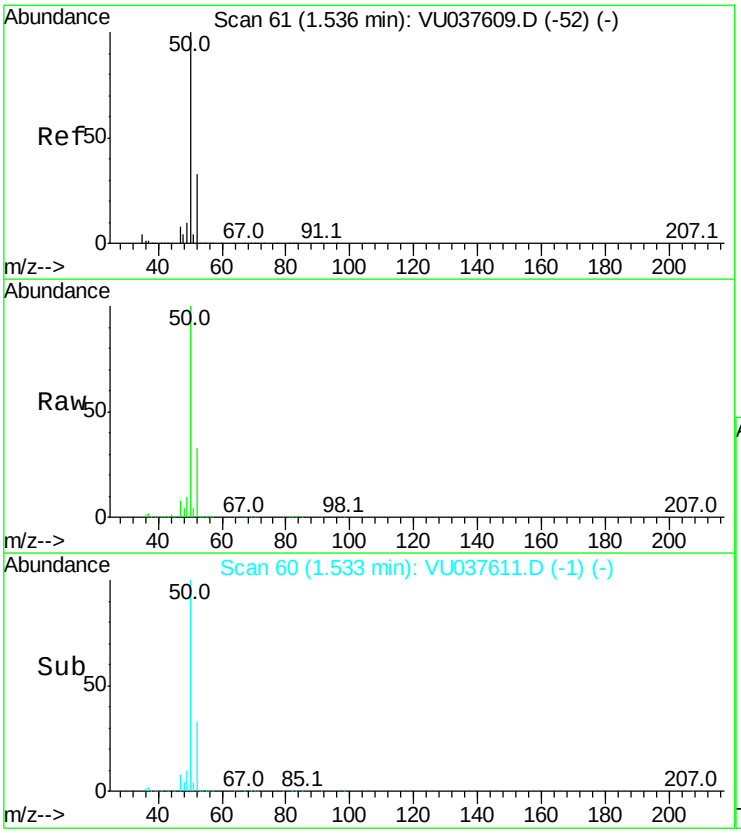
#2
Dichlorodifluoromethane
Concen: 236.310 ug/L
RT: 1.39 min Scan# 17
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

Tgt Ion: 85 Resp: 900099

Ion	Ratio	Lower	Upper
85	100		
87	32.0	25.4	38.2

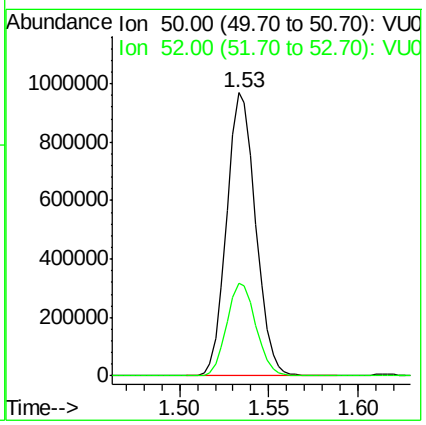


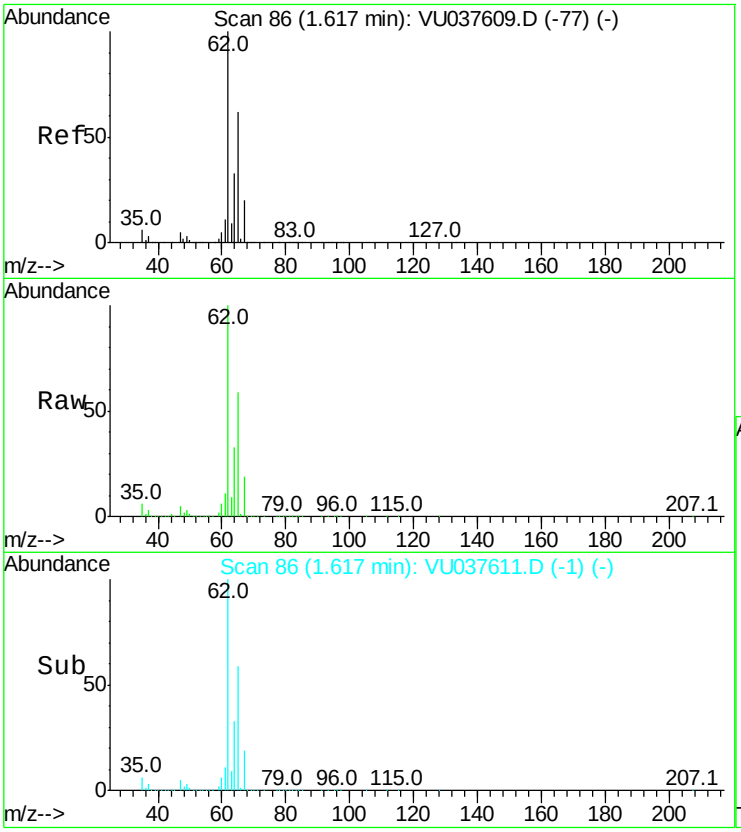


#3
Chloromethane
Concen: 270.199 ug/L
RT: 1.53 min Scan# 60
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion: 50 Resp: 1091698

Ion	Ratio	Lower	Upper
50	100		
52	32.9	23.3	43.3



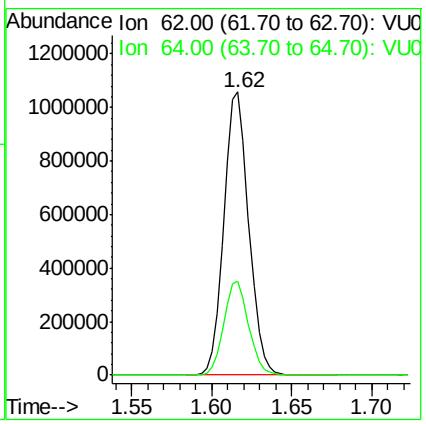


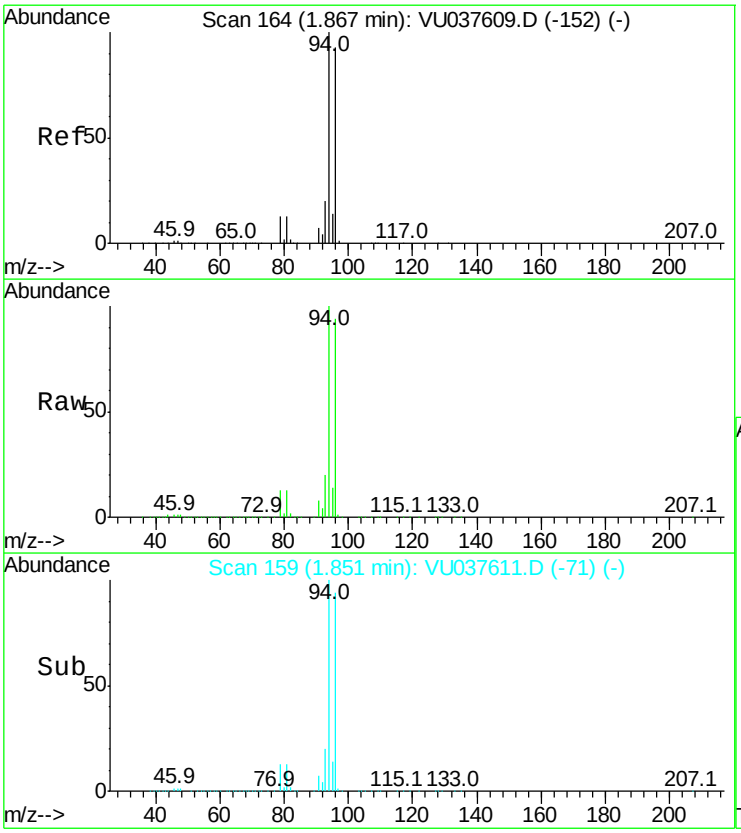
#5
Vinyl chloride
Concen: 279.108 ug/L
RT: 1.62 min Scan# 86
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

Tgt Ion: 62 Resp: 1119804

Ion	Ratio	Lower	Upper
62	100		
64	33.2	22.8	42.4

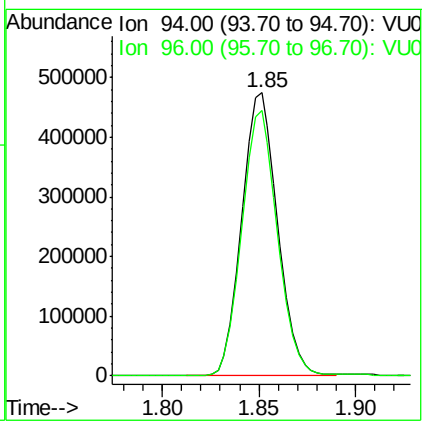


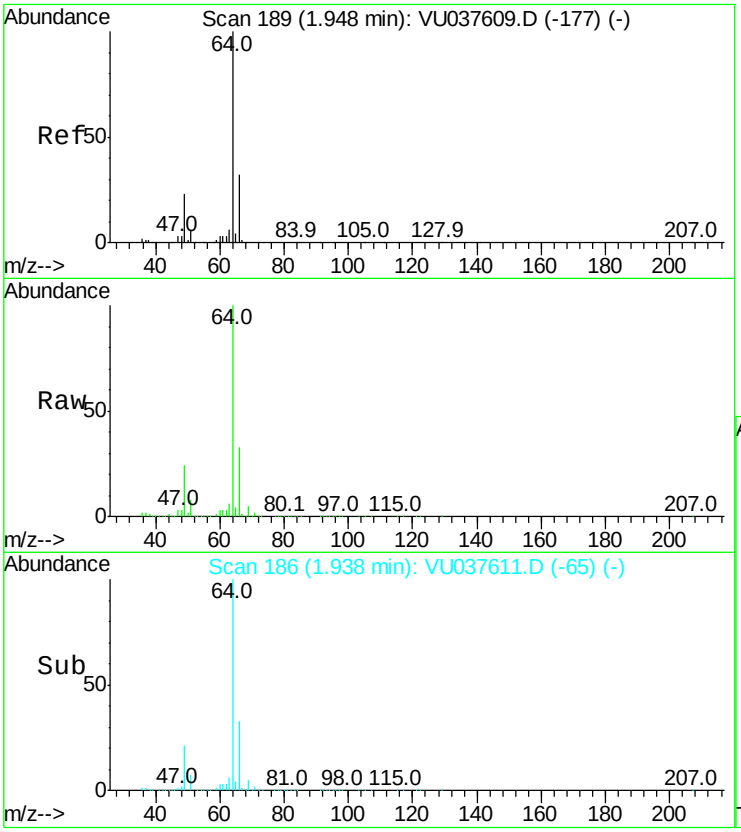


#6
Bromomethane
Concen: 308.483 ug/L
RT: 1.85 min Scan# 159
Delta R.T. -0.02 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion: 94 Resp: 610410

Ion	Ratio	Lower	Upper
94	100		
96	93.6	65.2	121.2



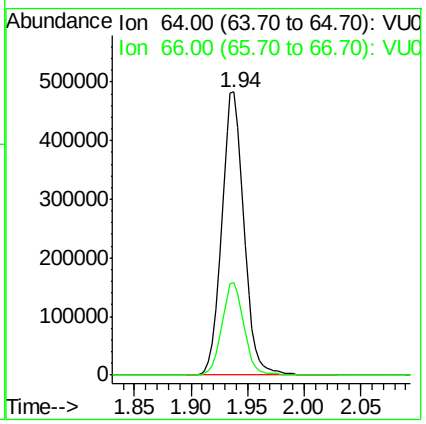


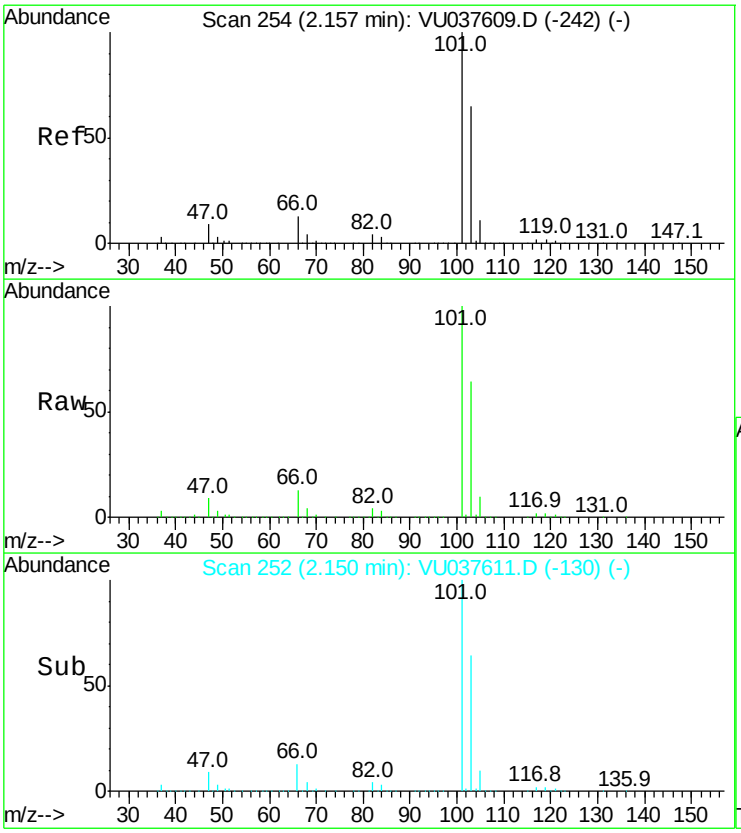
#8
Chloroethane
Concen: 276.812 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

Tgt Ion: 64 Resp: 655007

Ion	Ratio	Lower	Upper
64	100		
66	32.7	22.6	42.0

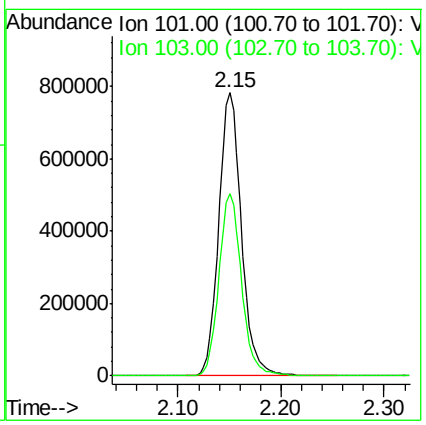


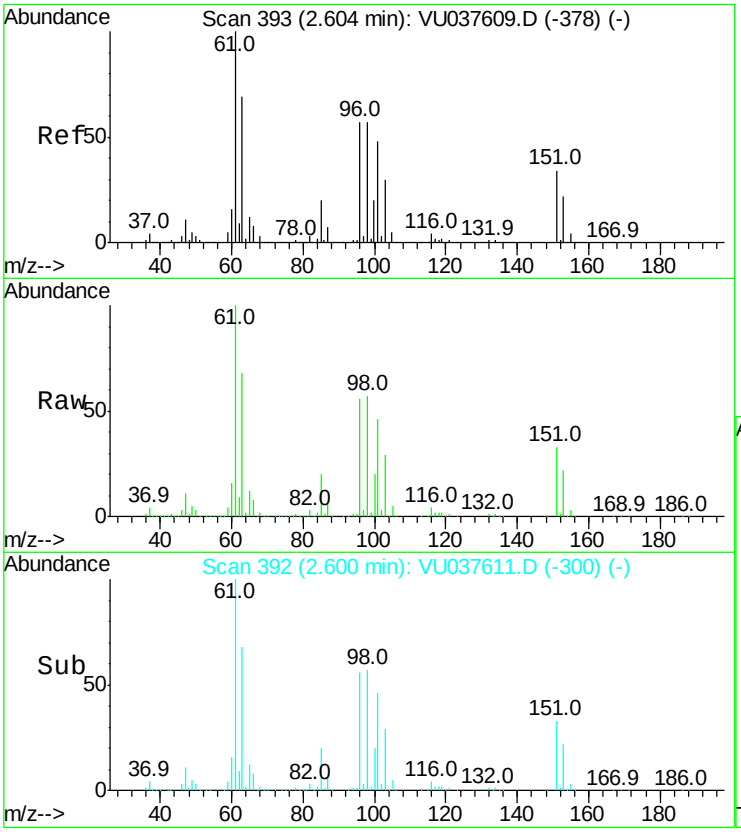


#9
Trichlorofluoromethane
Concen: 209.578 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.01 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion:101 Resp: 1192944

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.2	78.2



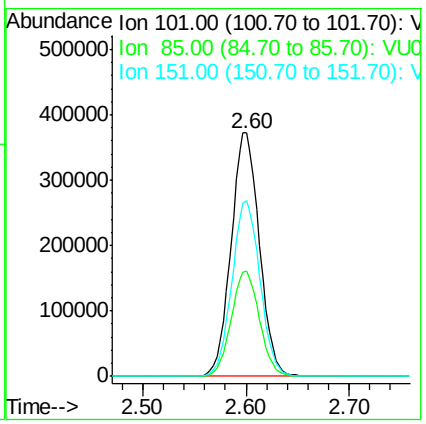


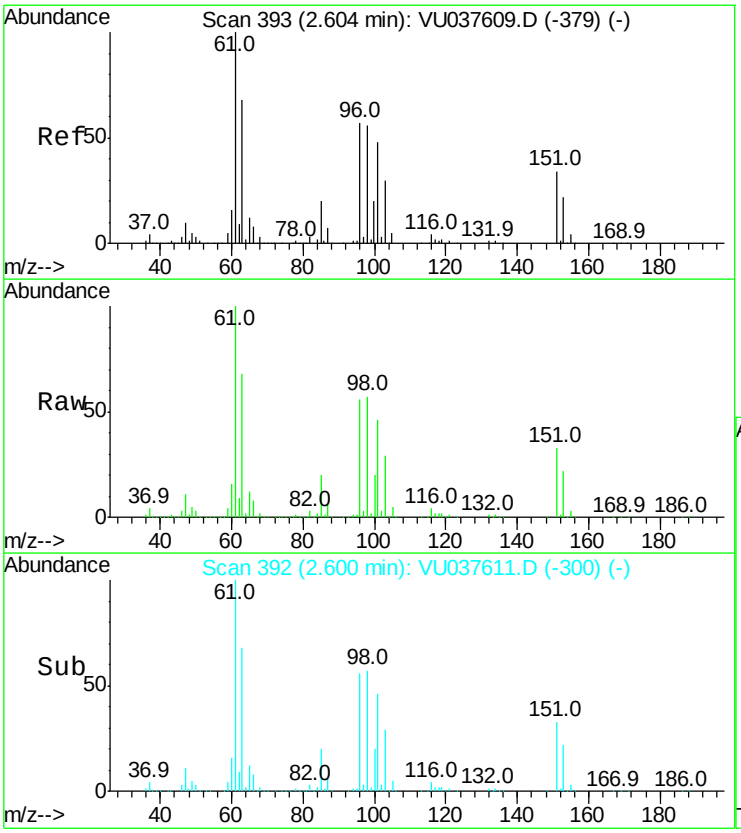
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 219.149 ug/L
RT: 2.60 min Scan# 392
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument : MSVOA_U
ClientSampleId : VSTD20035

Tgt Ion:101 Resp: 711508

Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.5	51.7
151	71.4	56.8	85.2

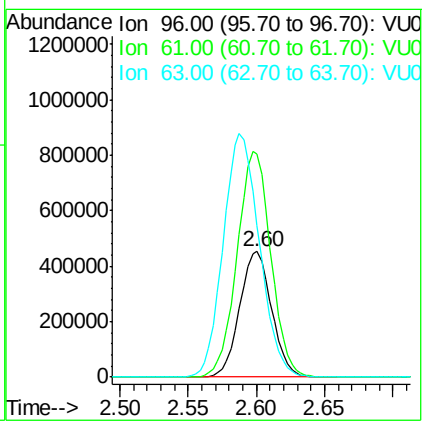


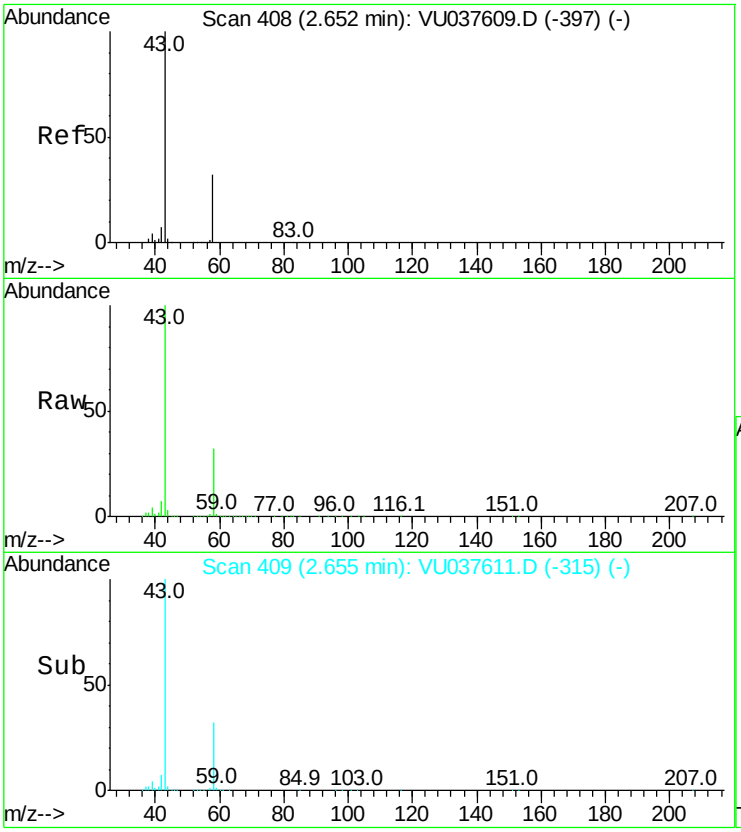


#12
1,1-Dichloroethene
Concen: 233.761 ug/L
RT: 2.60 min Scan# 392
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion: 96 Resp: 736732

Ion	Ratio	Lower	Upper
96	100		
61	178.3	123.6	229.6
63	120.7	85.7	159.1



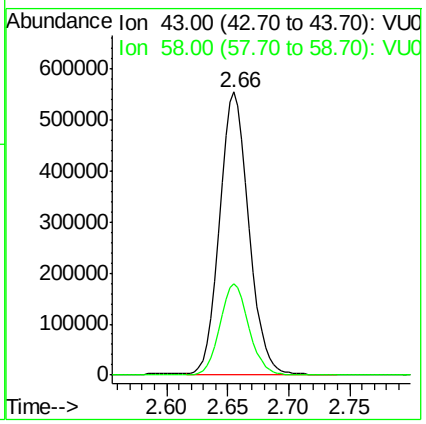


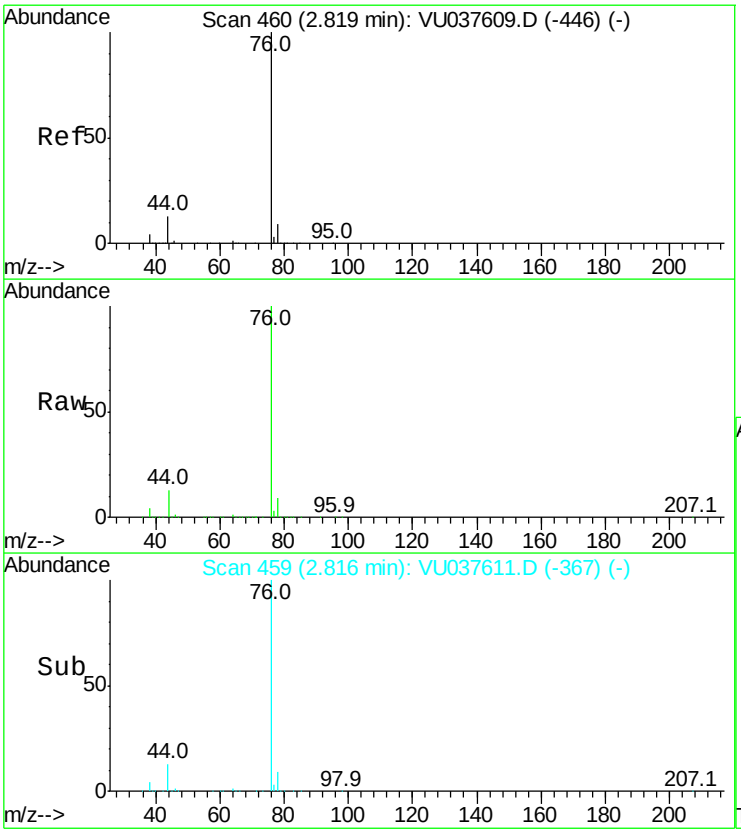
#13
Acetone
Concen: 448.564 ug/L
RT: 2.66 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument : MSVOA_U
ClientSampleId : VSTD20035

Tgt Ion: 43 Resp: 932506

Ion	Ratio	Lower	Upper
43	100		
58	31.7	0.0	63.2

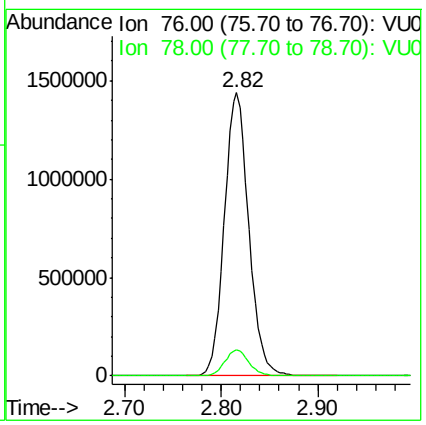


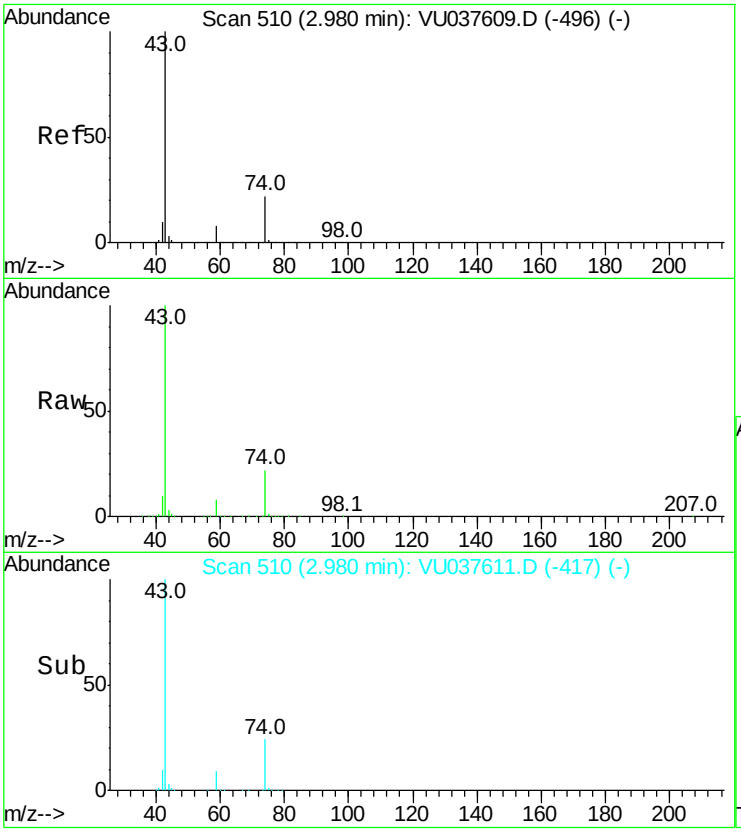


#14
Carbon disulfide
Concen: 276.505 ug/L
RT: 2.82 min Scan# 459
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion: 76 Resp: 2517239

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6



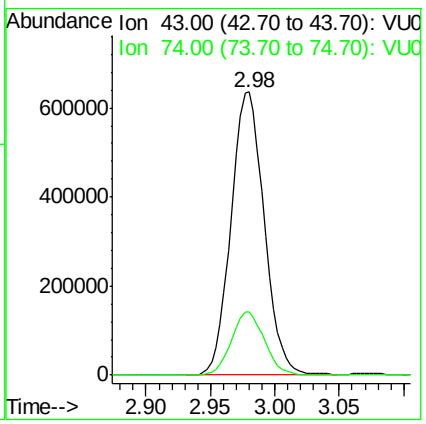


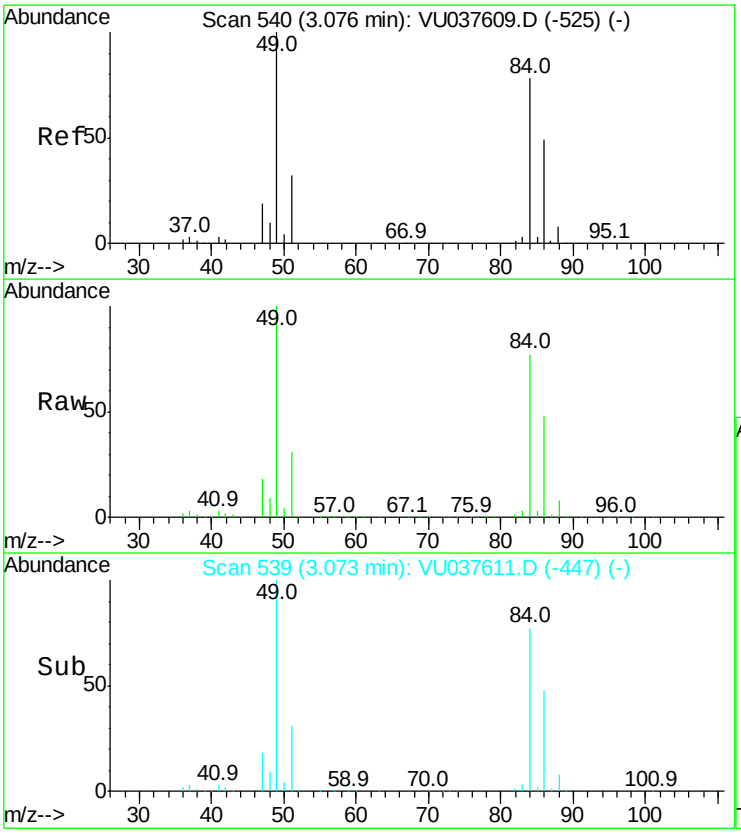
#15
Methyl Acetate
Concen: 241.201 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

Tgt Ion: 43 Resp: 1136260

Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.9	26.9

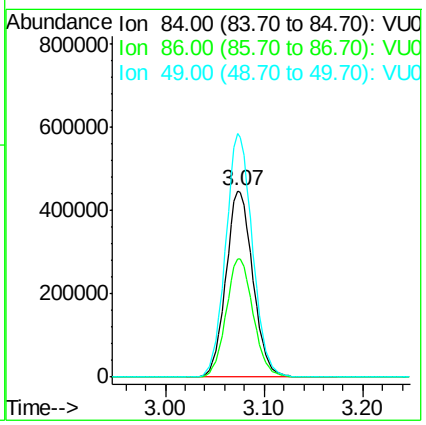


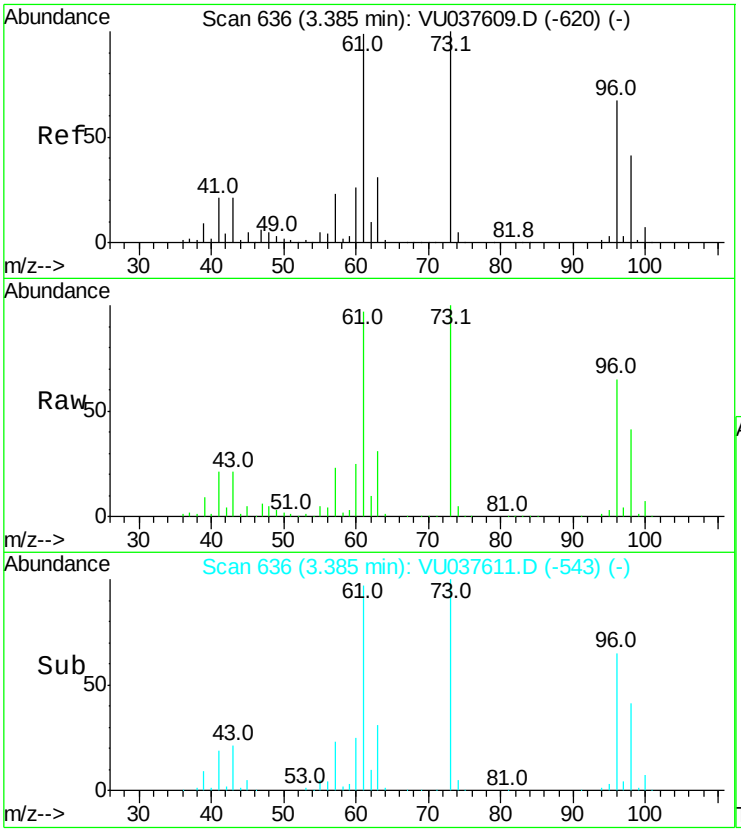


#16
Methylene chloride
Concen: 222.850 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion: 84 Resp: 851918

Ion	Ratio	Lower	Upper
84	100		
86	63.3	44.1	81.9
49	130.5	90.3	167.7



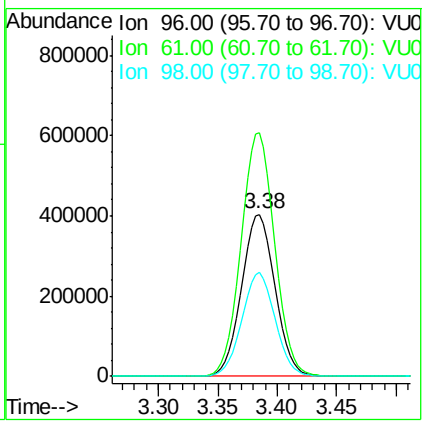


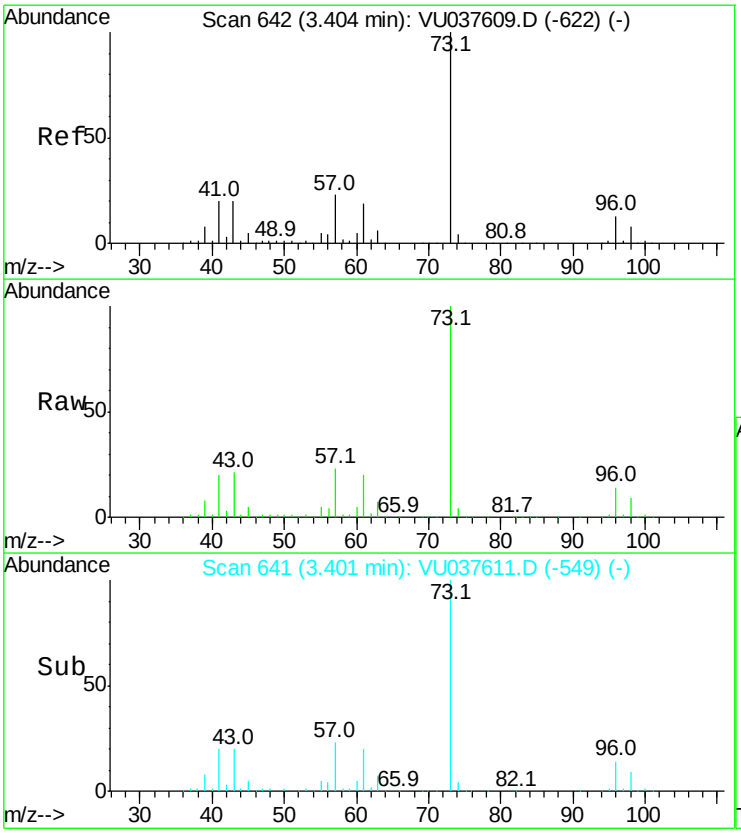
#17
trans-1,2-Dichloroethene
Concen: 231.994 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

Tgt Ion: 96 Resp: 787325

Ion	Ratio	Lower	Upper
96	100		
61	150.5	103.2	191.6
98	64.0	43.1	80.1

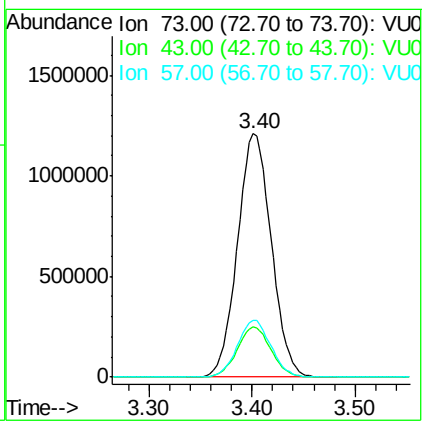


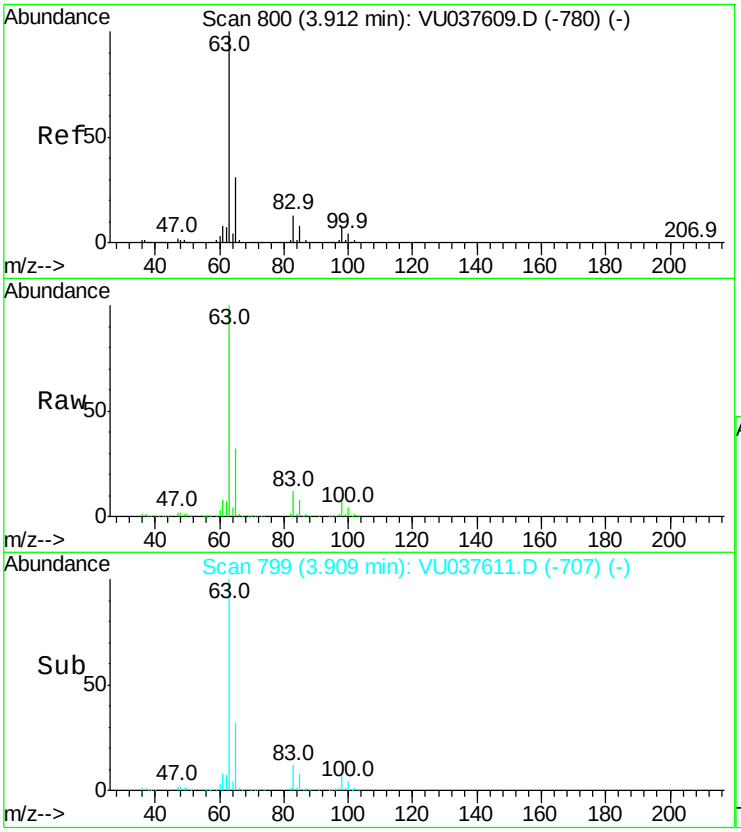


#18
Methyl tert-butyl Ether
Concen: 231.799 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion: 73 Resp: 2757548

Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.3	24.5
57	23.1	18.3	27.5



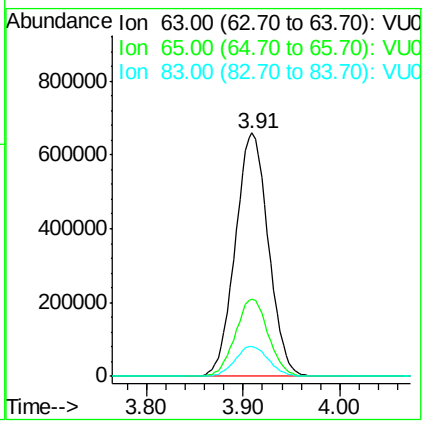


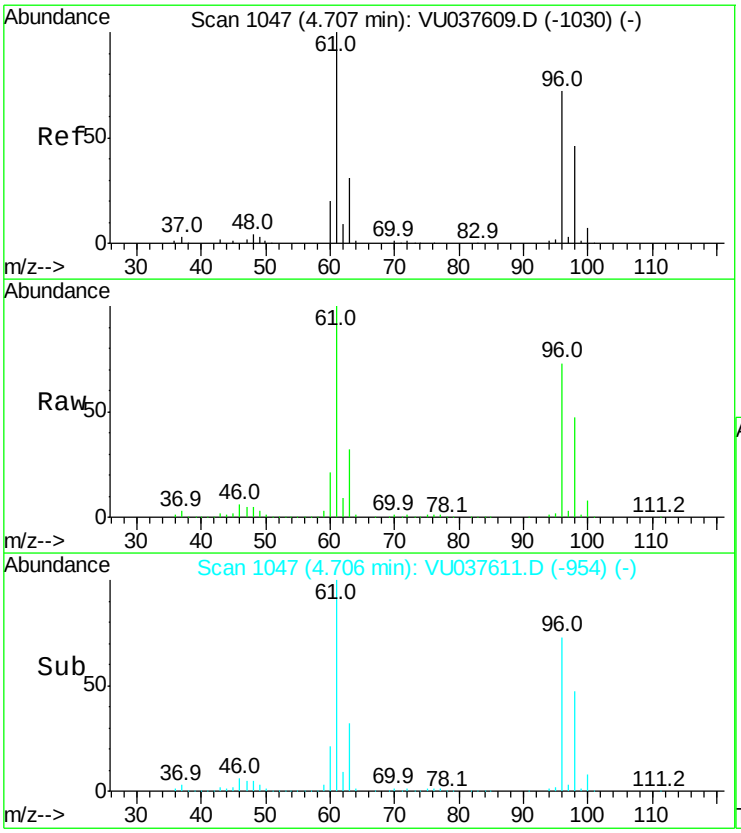
#19
1,1-Dichloroethane
Concen: 235.269 ug/L
RT: 3.91 min Scan# 799
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument : MSVOA_U
ClientSampleId : VSTD20035

Tgt Ion: 63 Resp: 1564342

Ion	Ratio	Lower	Upper
63	100		
65	31.7	21.9	40.7
83	12.3	9.0	16.6

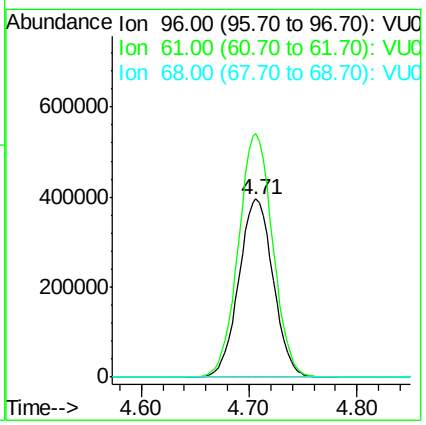


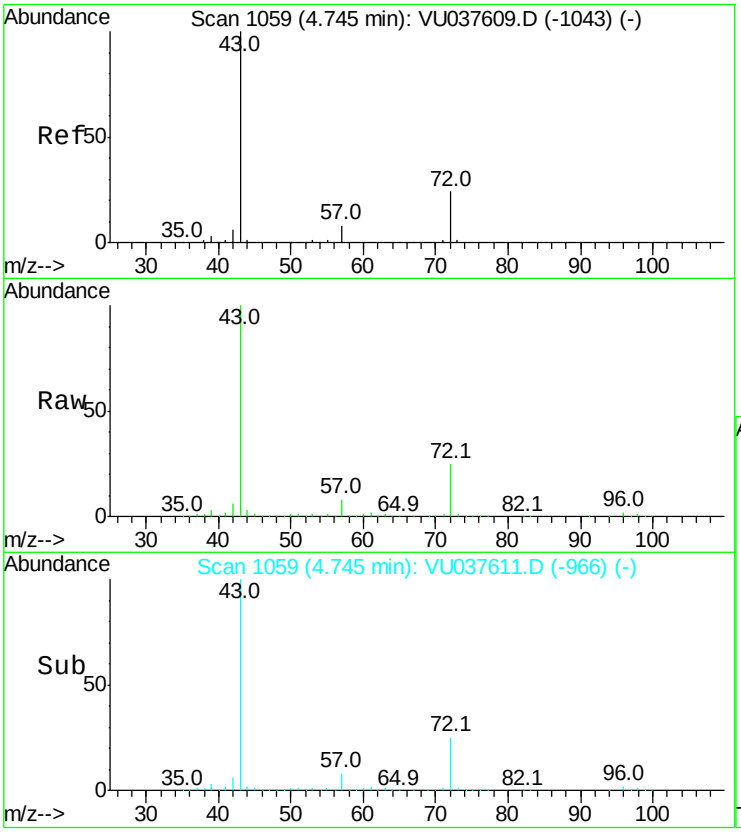


#20
cis-1,2-Dichloroethene
Concen: 224.046 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion: 96 Resp: 875607

Ion	Ratio	Lower	Upper
96	100		
61	136.6	97.5	181.1
68	0.0	0.0	0.0



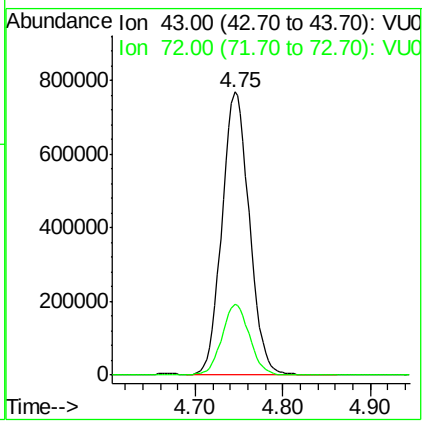


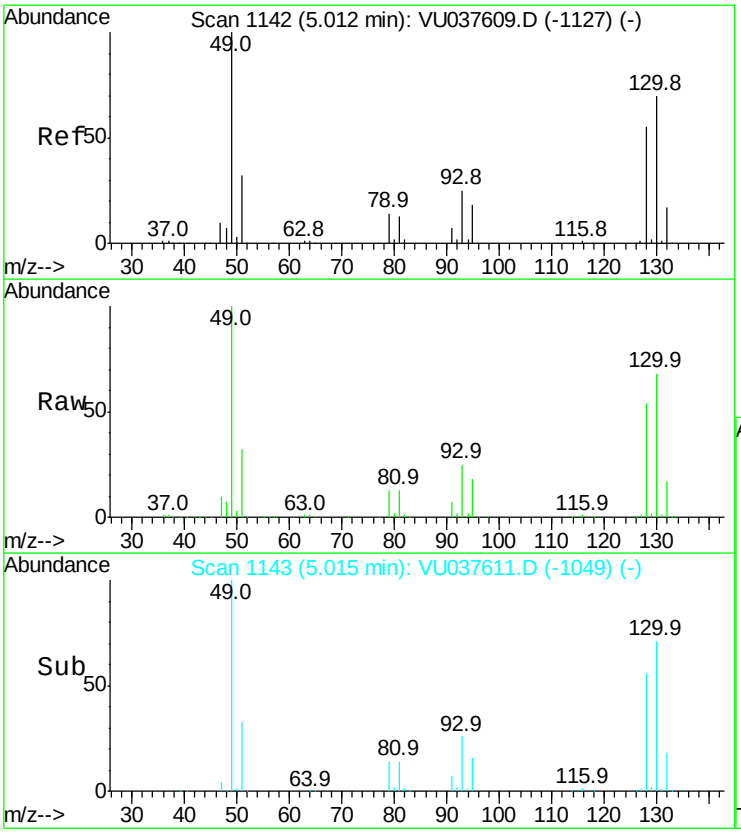
#22
2-Butanone
Concen: 490.723 ug/L
RT: 4.75 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

Tgt Ion: 43 Resp: 1665072

Ion	Ratio	Lower	Upper
43	100		
72	25.4	12.8	38.4

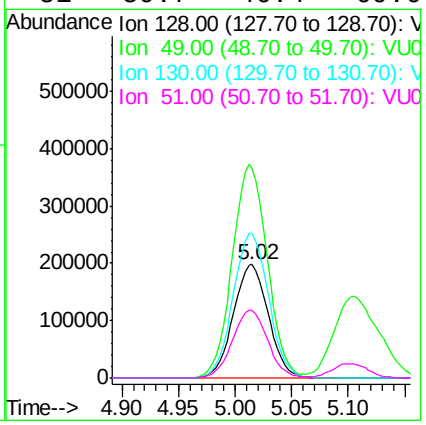


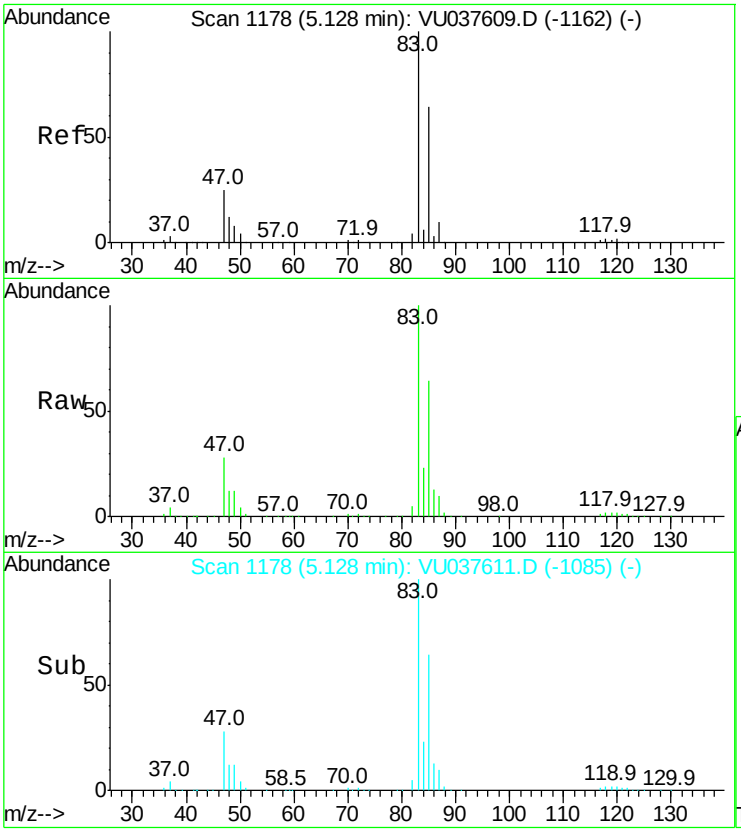


#23
Bromochloromethane
Concen: 228.301 ug/L
RT: 5.02 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion:128 Resp: 428250

Ion	Ratio	Lower	Upper
128	100		
49	185.5	128.7	238.9
130	127.1	89.9	167.0
51	59.7	46.4	69.6



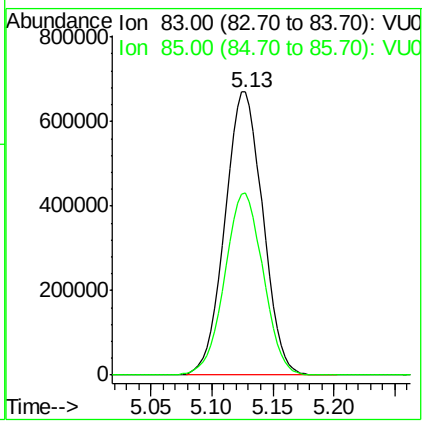


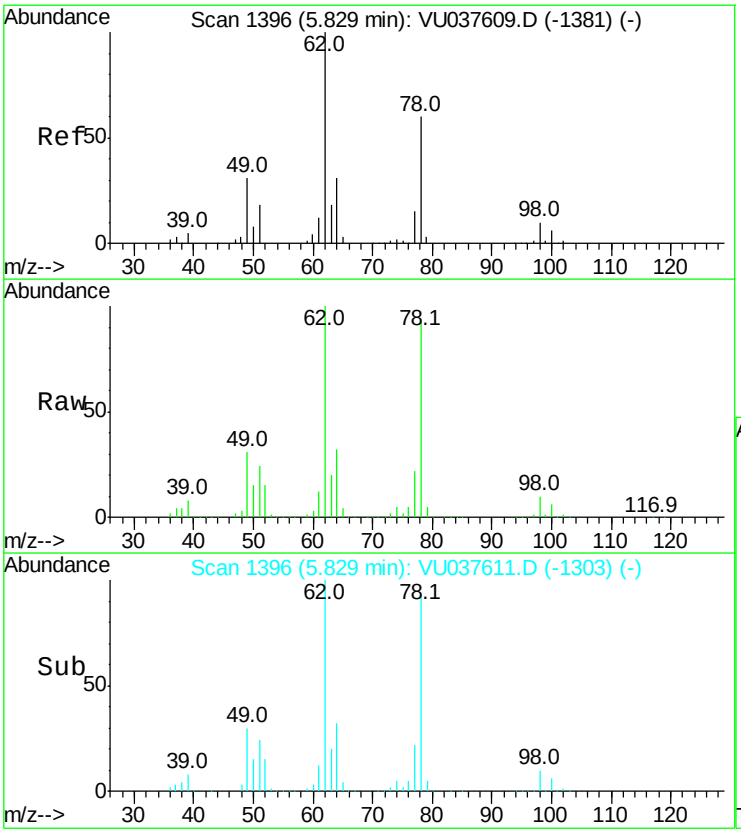
#25
Chloroform
Concen: 209.018 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

Tgt Ion: 83 Resp: 1449028

Ion	Ratio	Lower	Upper
83	100		
85	64.3	45.5	84.5

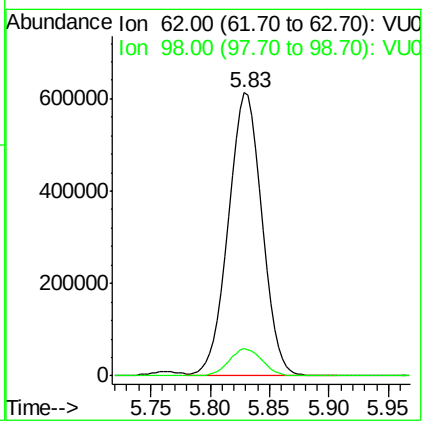


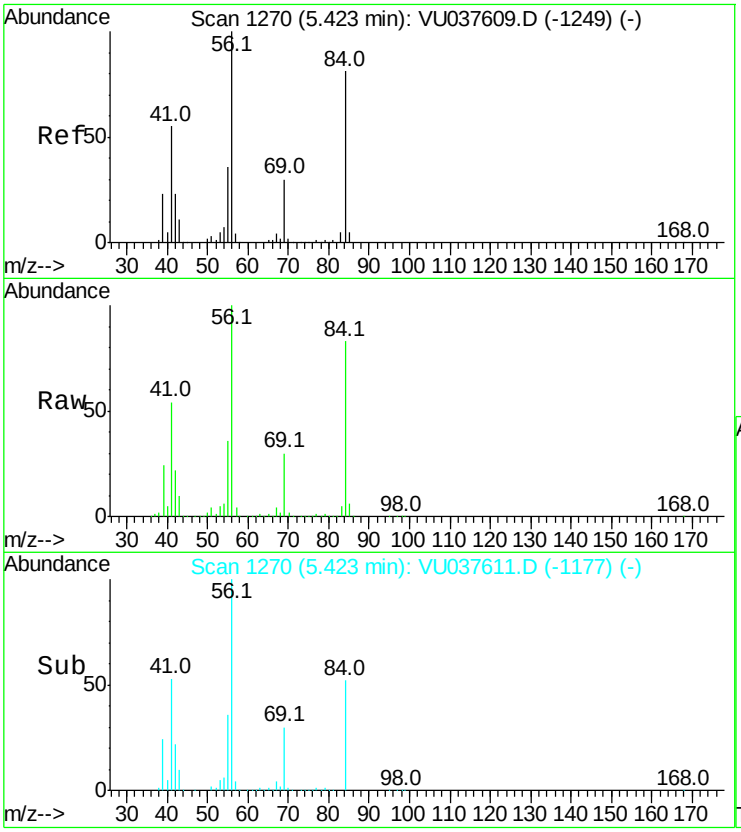


#27
1,2-Dichloroethane
Concen: 224.979 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion: 62 Resp: 1203703

Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.8	11.6



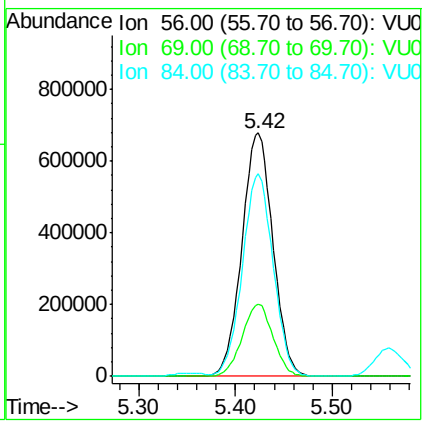


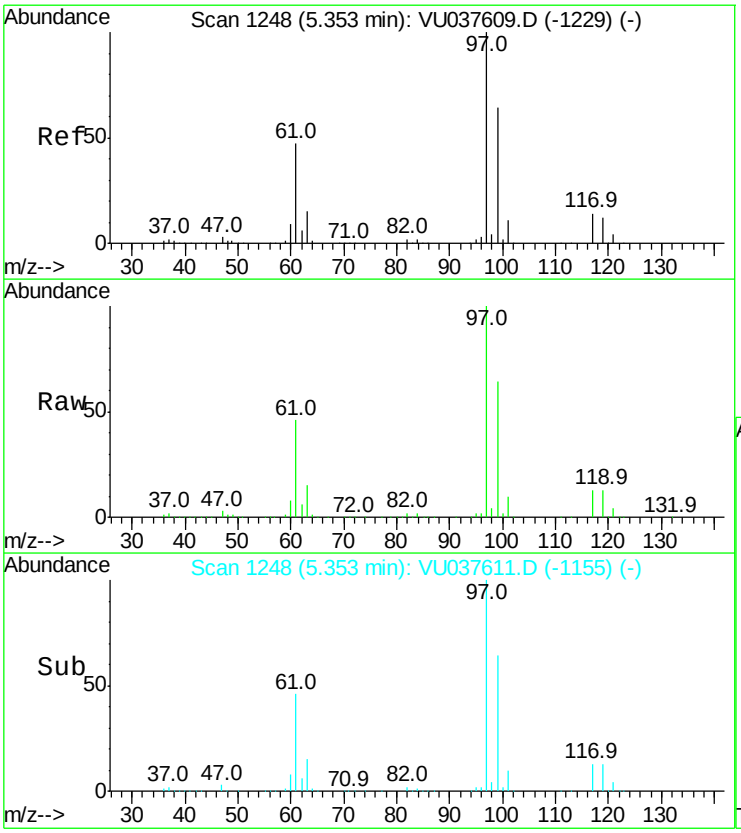
#29
Cyclohexane
Concen: 247.601 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Instrument : MSVOA_U
ClientSampleId : VSTD20035

Tgt Ion: 56 Resp: 1508237

Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.0	36.0
84	82.6	66.3	99.5





#30
1,1,1-Trichloroethane
Concen: 206.254 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037611.D
Acq: 09 Apr 2020 11:19

Tgt Ion: 97 Resp: 1270777

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.9	77.9
61	46.0	37.1	55.7