Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110419\

Quantitation Report (Not Reviewed)

Data File : VU035602.D
Acq On : 04 Nov 2019 11:22
Operator : JC/SP
Sample : VSTD00504
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD00504

Quant Time: Nov 05 01:21:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 01:18:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	253246	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	272561	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	157196	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	128982	4.02	ug/L	0.00
7) Chloroethane-d5	1.93	69	106565	4.06	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	218243	4.11	ug/L	0.00
20) 2-Butanone-d5	4.71	46	289233	44.99	ug/L	0.00
24) Chloroform-d	5.11	84	209845	4.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	106899	4.23	ug/L	0.00
32) Benzene-d6	5.77	84	437738	4.69	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	138210	4.54	ug/L	0.00
41) Toluene-d8	7.93	98	413330	4.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	55219	4.67	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	226738	49.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	116379	4.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	149974	4.74	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.40	85	139223	4.197	ug/L	100
3) Chloromethane	1.53	50	158317	4.127	ug/L	100
5) Vinyl chloride	1.62	62	165002	4.302	ug/L	100
6) Bromomethane	1.88	94	91484	4.505	ug/L	100
8) Chloroethane	1.95	64	95807	4.233	ug/L	100
9) Trichlorofluoromethane	2.16	101	202570	4.494	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	118213	4.628	ug/L	100
12) 1,1-Dichloroethene	2.61	96	110994	4.653	ug/L	100
13) Acetone	2.68	43	205344	42.165	ug/L	100
14) Carbon disulfide	2.82	76	368362	4.413	ug/L	100
15) Methyl Acetate	3.00	43	47497	4.226	ug/L	100
16) Methylene chloride	3.08	84	128182	4.182	ug/L	100
17) Methyl tert-butyl Ether	3.43	73	266476	4.626	ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	117477	4.554	ug/L	100
19) 1,1-Dichloroethane	3.92	63	217429	4.321	ug/L	100
21) 2-Butanone	4.79	43	319743	44.946	ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	128948	4.656	ug/L	100
23) Bromochloromethane	5.02	128	60542	4.687	ug/L	100
25) Chloroform	5.14	83	223855	4.206	ug/L	100
27) 1,2-Dichloroethane	5.84	62	132756	4.236	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	186846	4.631	ug/L	100
30) Cyclohexane	5.43	56	184302	4.506	ug/L	100
31) Carbon tetrachloride	5.57	117	170053	4.719	ug/L	100
33) Benzene	5.82	78	494180	4.641	ug/L	100
34) Trichloroethene	6.58	95	125365	4.744	ug/L	100
35) Methylcyclohexane	6.80	83	192571	4.714	ug/L	100
37) 1,2-Dichloropropane	6.84	63	127959	4.542	ug/L	100
38) Bromodichloromethane	7.15	83	155947	4.475	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	182662	4.647	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	752094	45.751	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110419\

Quantitation Report (Not Reviewed)

Data File : VU035602.D
Acq On : 04 Nov 2019 11:22
Operator : JC/SP
Sample : VSTD00504
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD00504

Quant Time: Nov 05 01:21:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 01:18:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	534637	4.897	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	150325	4.817	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	93296	4.728	ug/L	100
47) Tetrachloroethene	8.58	164	111191	5.040	ug/L	100
48) 2-Hexanone	8.73	43	554287	50.101	ug/L	100
49) Dibromochloromethane	8.84	129	115447	4.949	ug/L	100
50) 1,2-Dibromoethane	8.96	107	88840	4.839	ug/L	100
51) Chlorobenzene	9.48	112	347654	4.983	ug/L	100
52) Ethylbenzene	9.60	91	550161	4.822	ug/L	100
53) m,p-Xylene	9.72	106	213773	5.106	ug/L	100
54) o-Xylene	10.13	106	207800	5.084	ug/L	100
55) Styrene	10.14	104	350986	5.262	ug/L	100
56) Isopropylbenzene	10.51	105	546937	5.114	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	120059	4.678	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	85516	4.692	ug/L	100
61) Bromoform	10.32	173	70072	4.554	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	265669	4.938	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	258094	4.829	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	251833	4.855	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	15540	4.559	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	179510	5.376	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	97540	5.237	ug/L	100
69) Naphthalene	14.11	128	107622	4.269	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	96834	5.252	ug/L	100

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

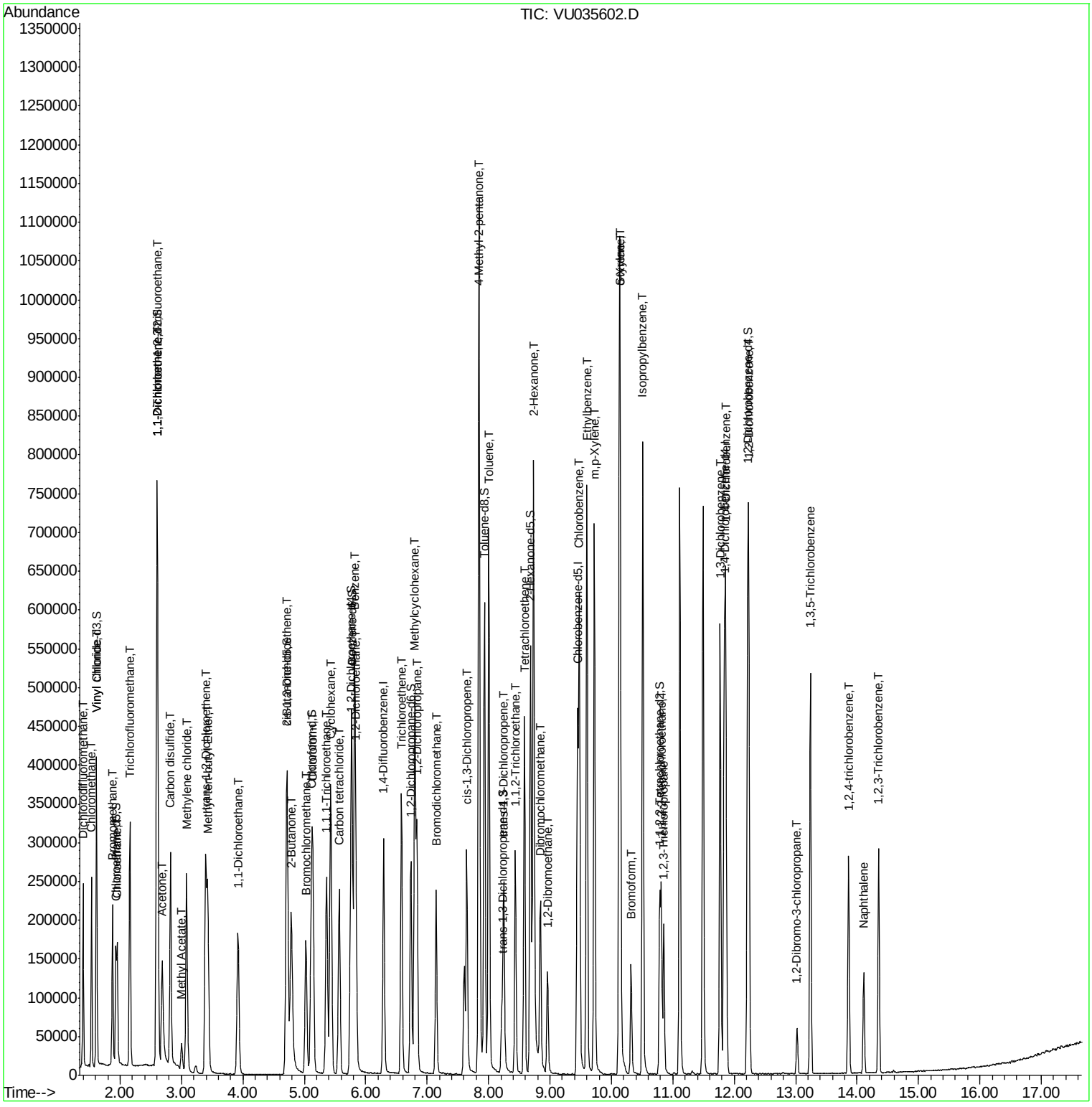
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110419\

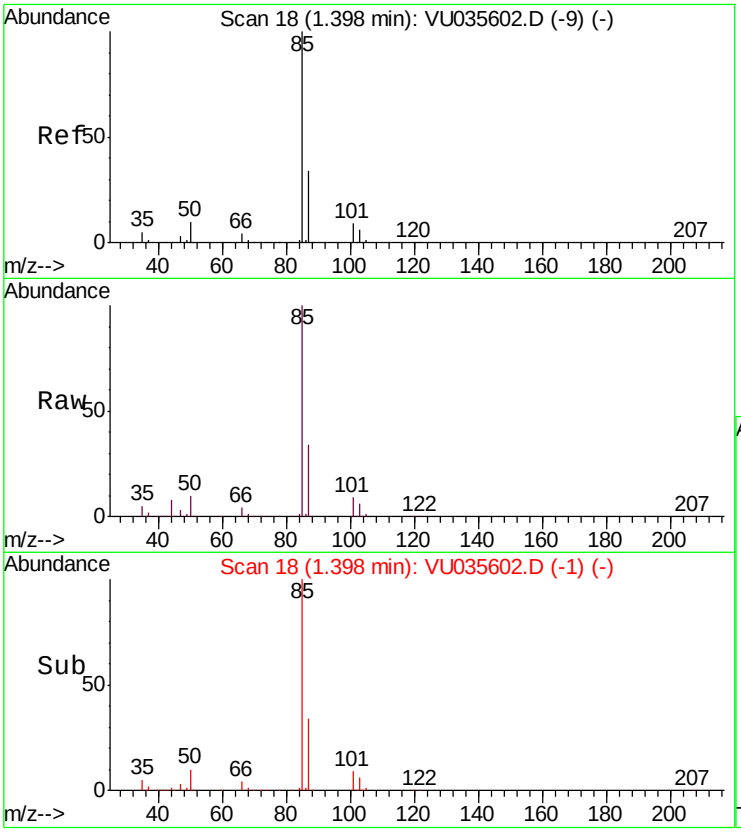
Quantitation Report (Not Reviewed)

Data File : VU035602.D
Acq On : 04 Nov 2019 11:22
Operator : JC/SP
Sample : VSTD00504
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Quant Time: Nov 05 01:21:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 01:18:09 2019
Response via : Initial Calibration



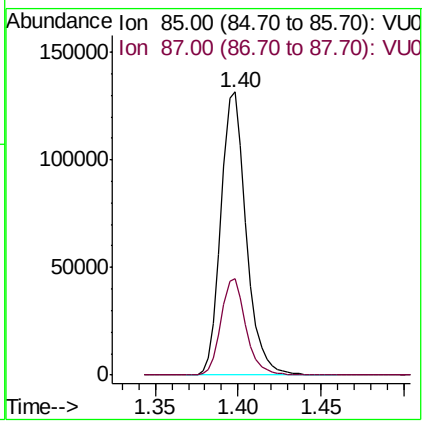


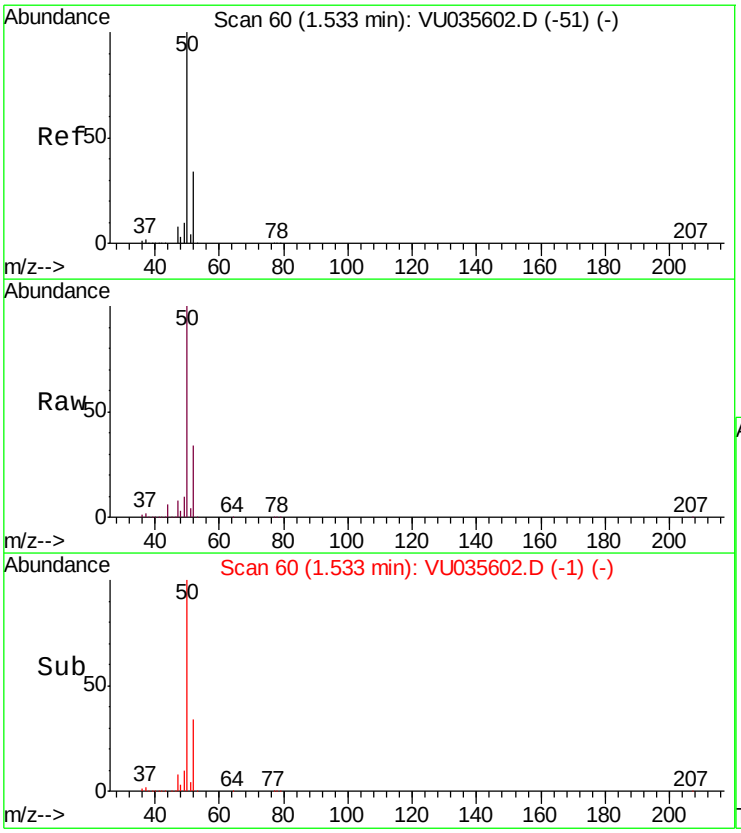
#2
Dichlorodifluoromethane
Concen: 4.197 ug/L
RT: 1.40 min Scan# 18
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument : MSVOA_U
ClientSampleId : VSTD00504

Tgt Ion: 85 Resp: 139223

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.8	40.2

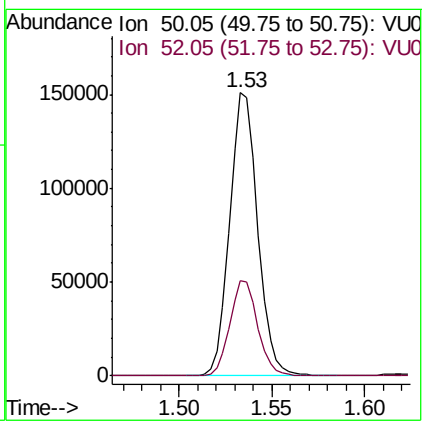


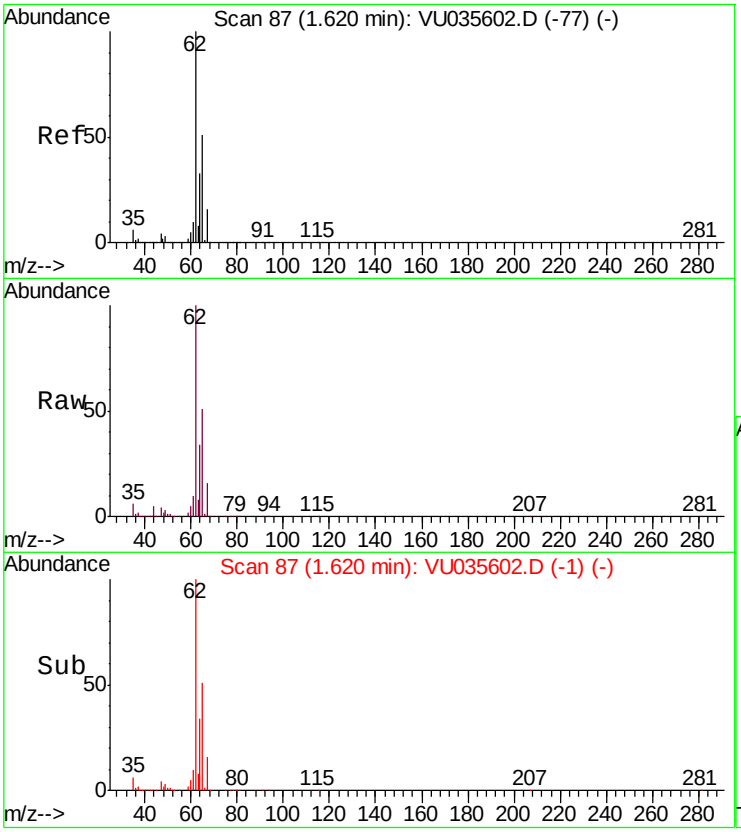


#3
Chloromethane
Concen: 4.127 ug/L
RT: 1.53 min Scan# 60
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 50 Resp: 158317

Ion	Ratio	Lower	Upper
50	100		
52	33.5	23.4	43.6



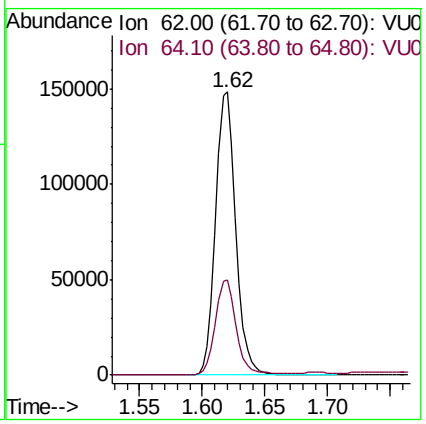


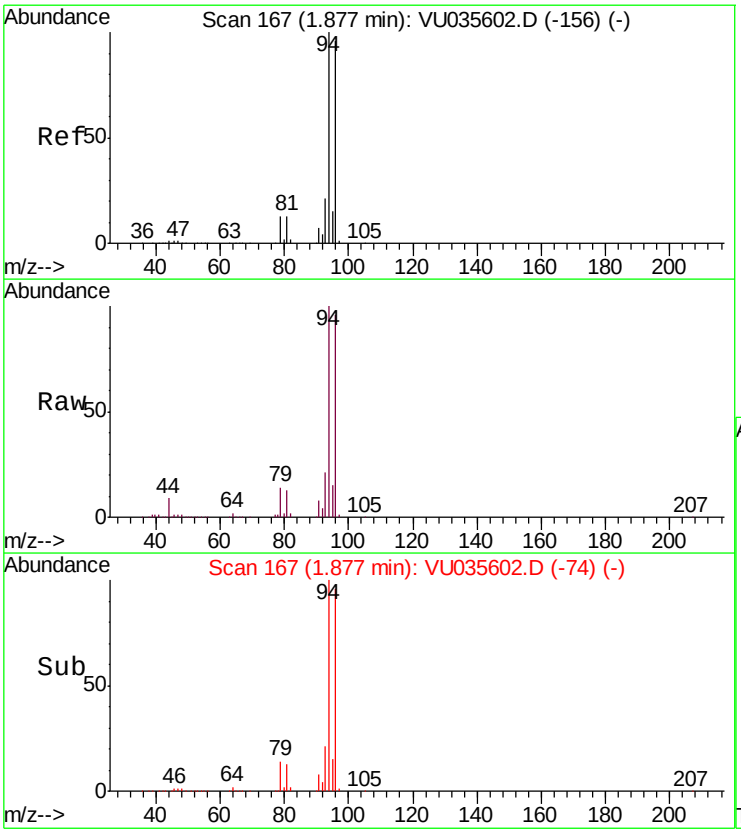
#5
Vinyl chloride
Concen: 4.302 ug/L
RT: 1.62 min Scan# 87
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 62 Resp: 165002

Ion	Ratio	Lower	Upper
62	100		
64	33.6	23.5	43.7

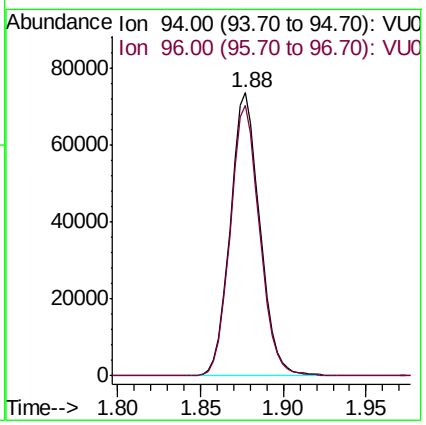


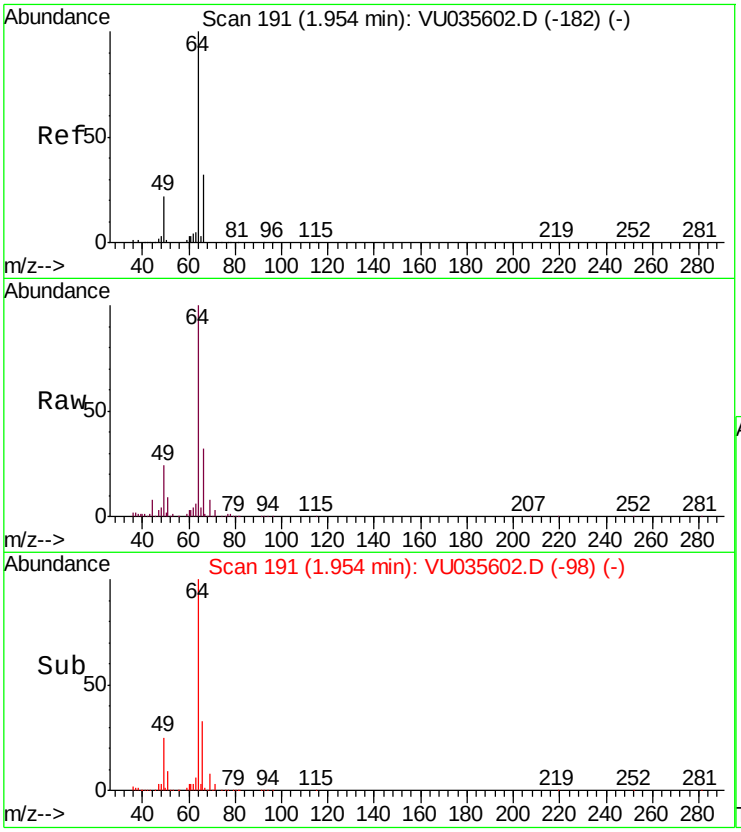


#6
Bromomethane
Concen: 4.505 ug/L
RT: 1.88 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 94 Resp: 91484

Ion	Ratio	Lower	Upper
94	100		
96	95.5	66.8	124.2



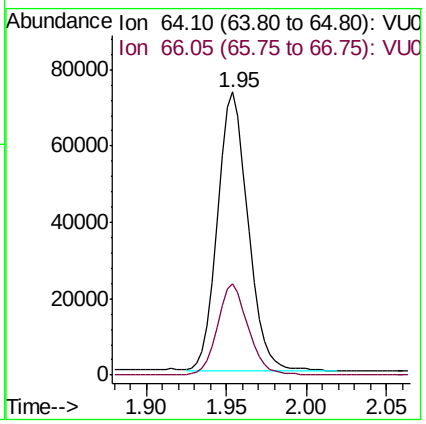


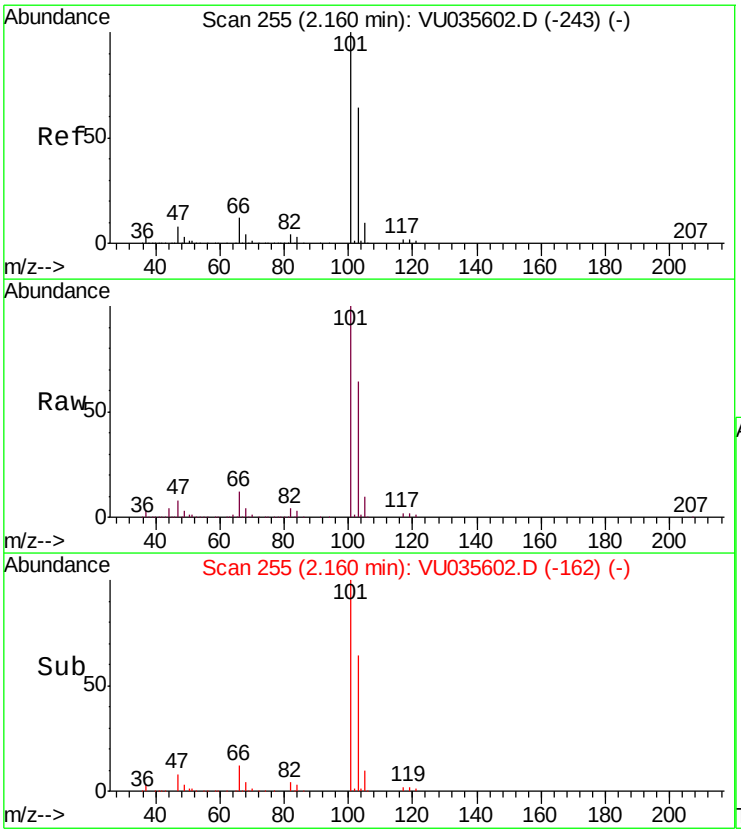
#8
Chloroethane
Concen: 4.233 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 64 Resp: 95807

Ion	Ratio	Lower	Upper
64	100		
66	32.1	22.5	41.7

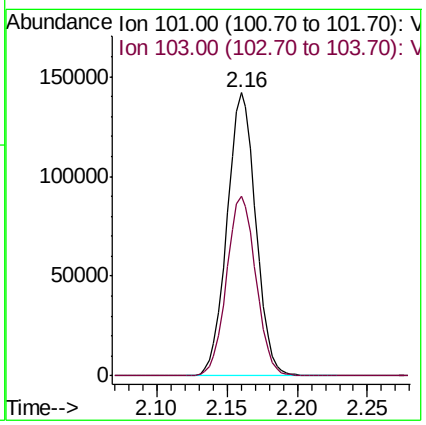


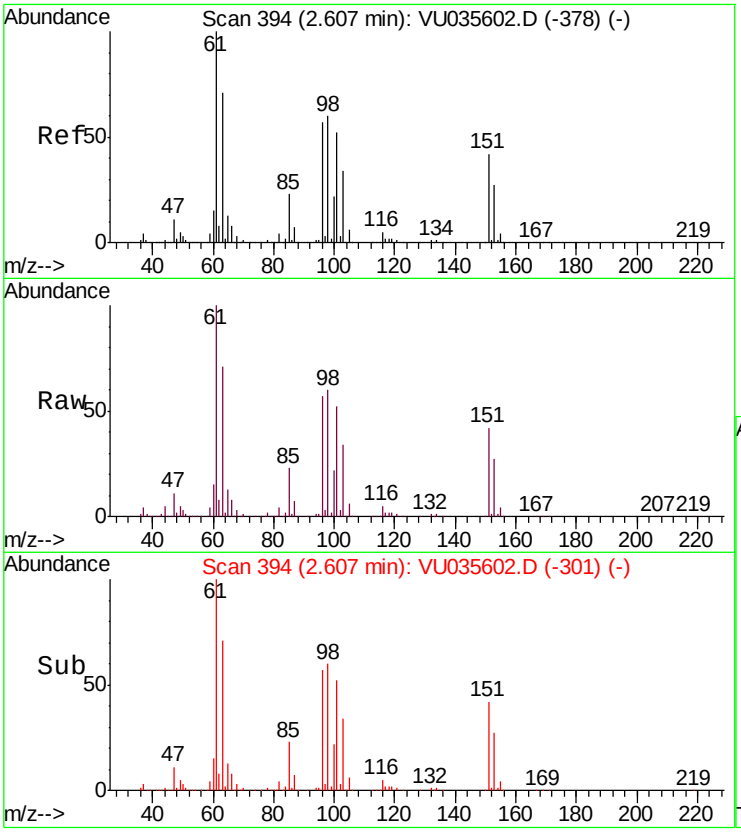


#9
Trichlorofluoromethane
Concen: 4.494 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion:101 Resp: 202570

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6



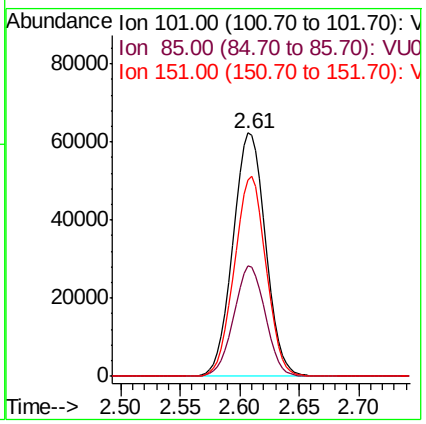


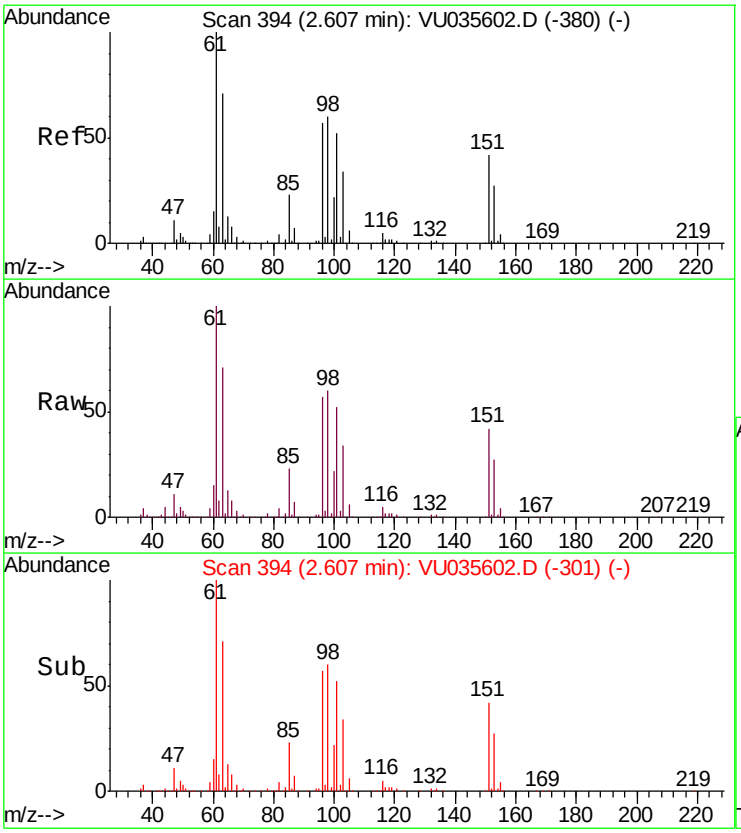
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.628 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion:101 Resp: 118213

Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.0	52.6
151	80.0	64.0	96.0

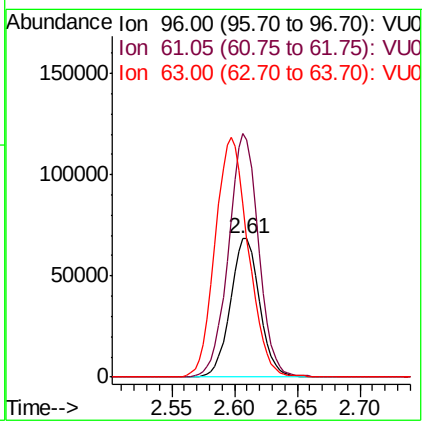


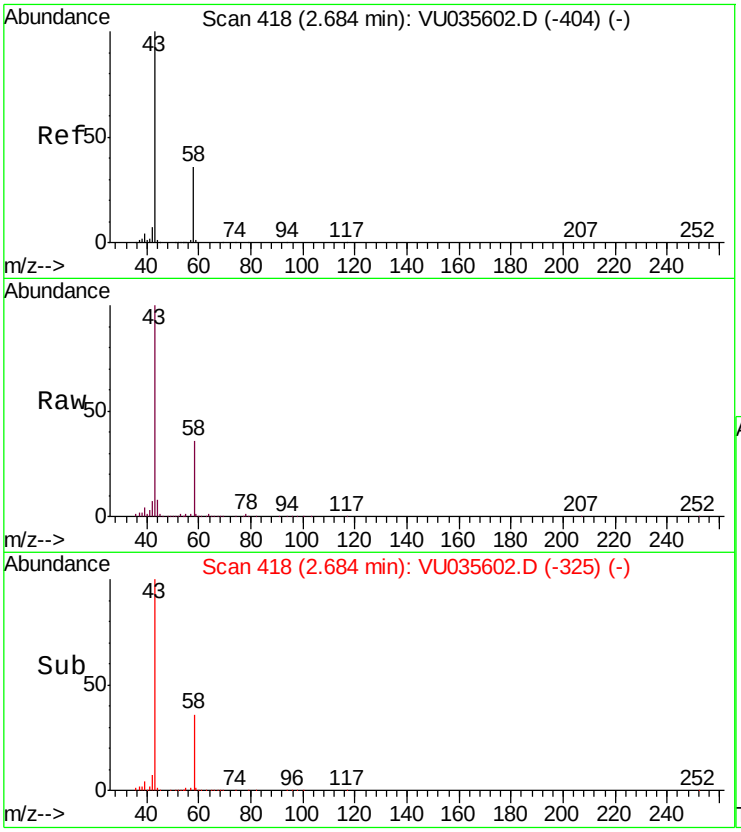


#12
1,1-Dichloroethene
Concen: 4.653 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 96 Resp: 110994

Ion	Ratio	Lower	Upper
96	100		
61	175.8	123.1	228.5
63	125.4	87.8	163.0



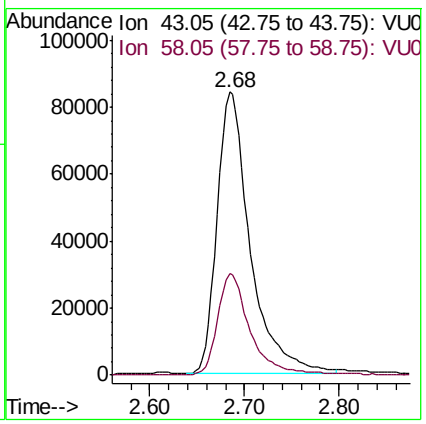


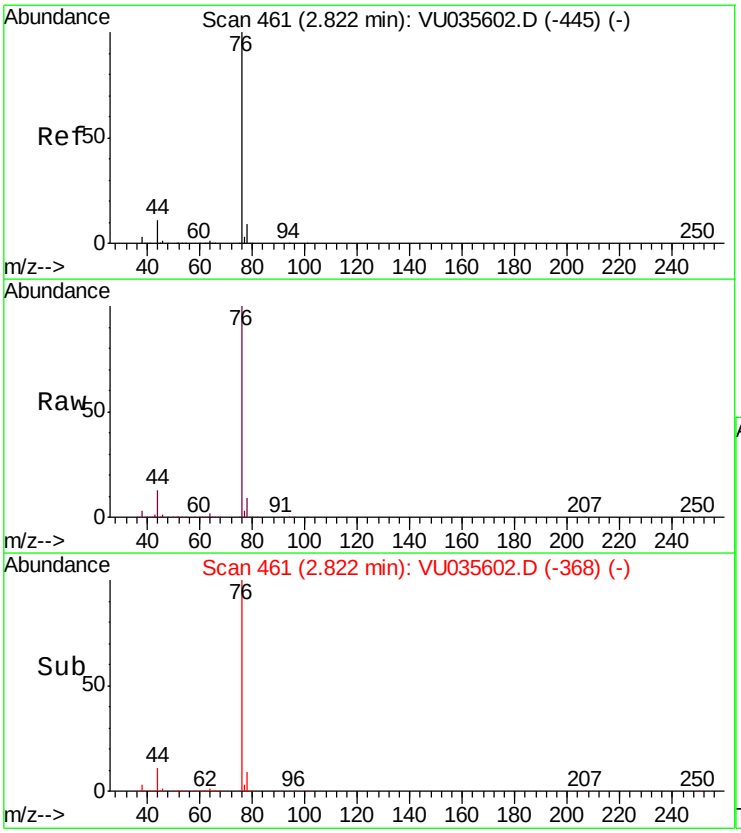
#13
Acetone
Concen: 42.165 ug/L
RT: 2.68 min Scan# 418
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument : MSVOA_U
ClientSampleId : VSTD00504

Tgt Ion: 43 Resp: 205344

Ion	Ratio	Lower	Upper
43	100		
58	34.9	0.0	69.8

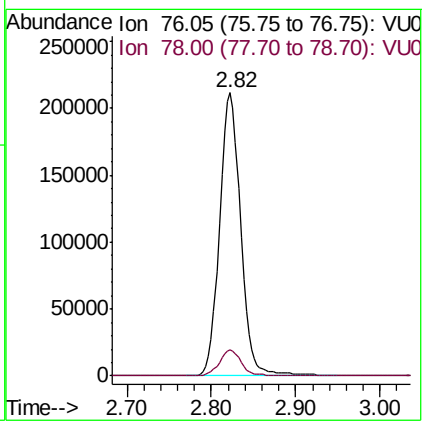


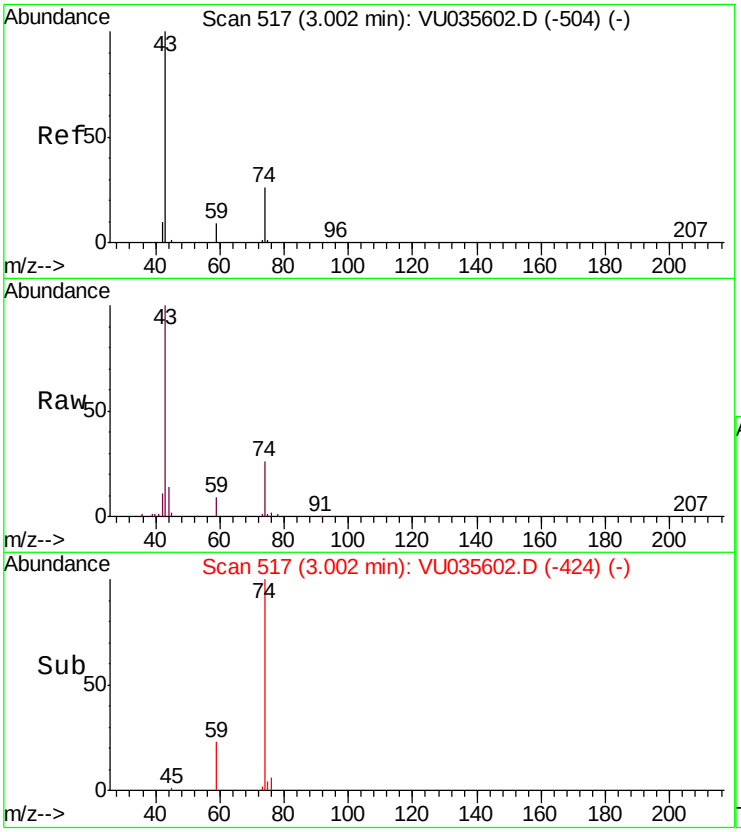


#14
Carbon disulfide
Concen: 4.413 ug/L
RT: 2.82 min Scan# 461
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 76 Resp: 368362

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0



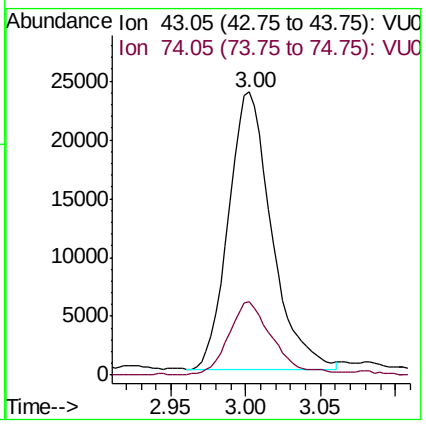


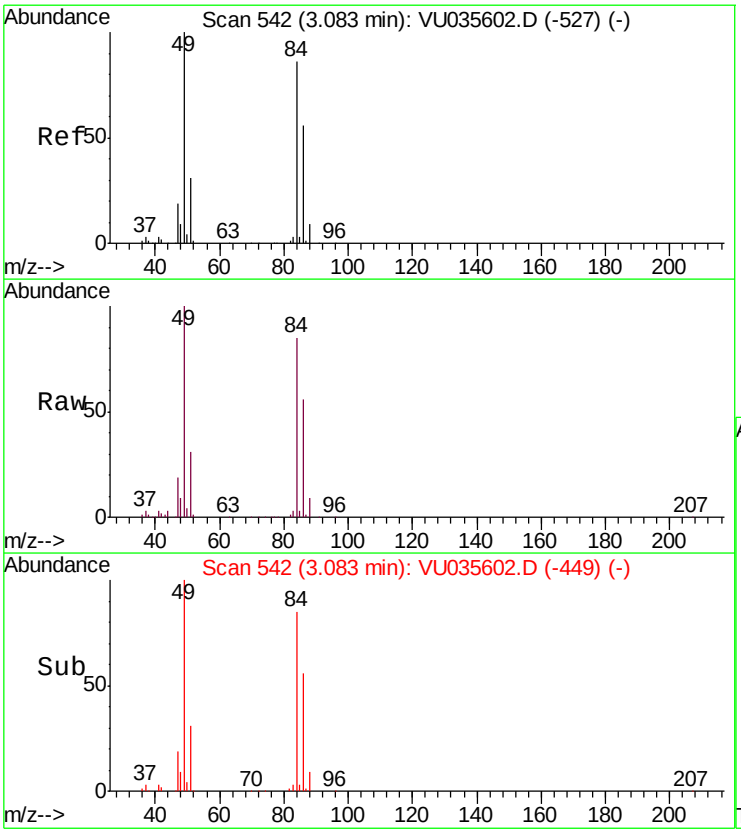
#15
Methyl Acetate
Concen: 4.226 ug/L
RT: 3.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument : MSVOA_U
ClientSampleId : VSTD00504

Tgt Ion: 43 Resp: 47497

Ion	Ratio	Lower	Upper
43	100		
74	26.3	21.0	31.6

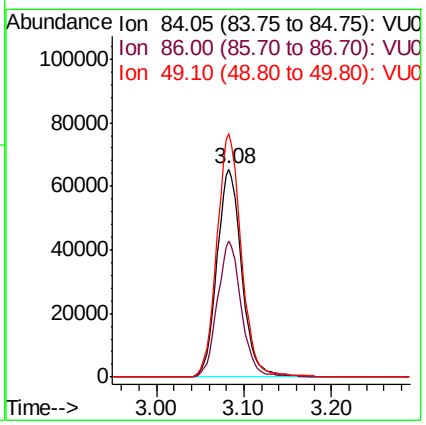


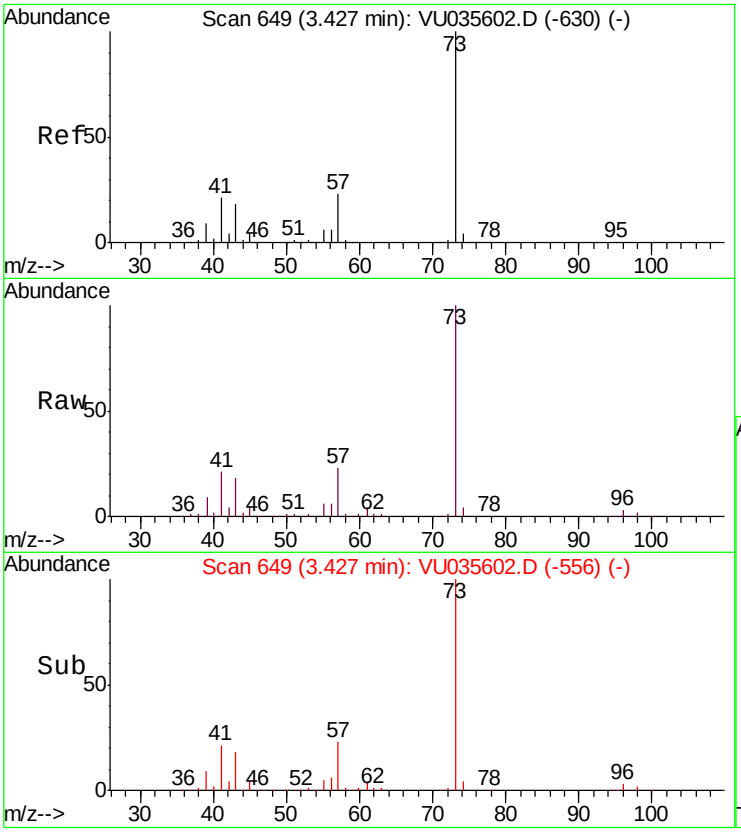


#16
Methylene chloride
Concen: 4.182 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 84 Resp: 128182

Ion	Ratio	Lower	Upper
84	100		
86	65.5	45.8	85.2
49	117.0	81.9	152.1



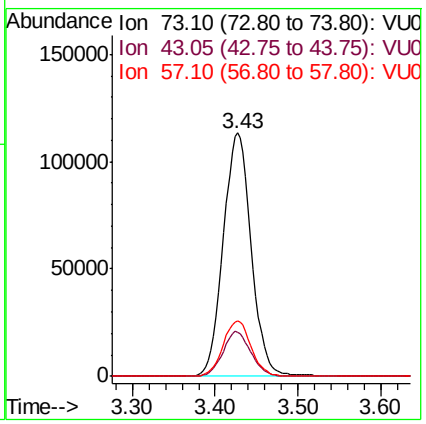


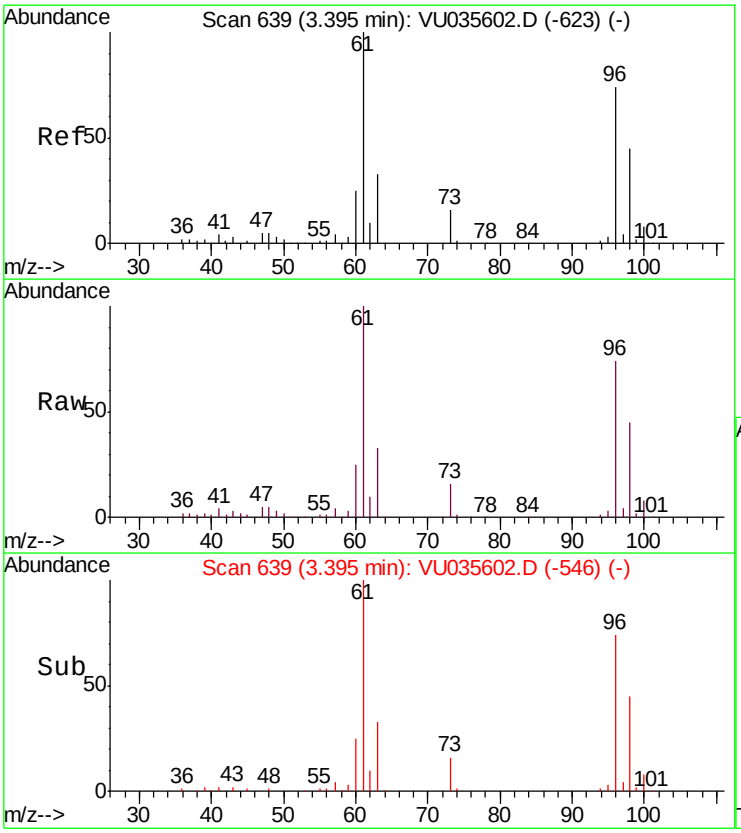
#17
Methyl tert-butyl Ether
Concen: 4.626 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 73 Resp: 266476

Ion	Ratio	Lower	Upper
73	100		
43	18.0	14.4	21.6
57	22.7	18.2	27.2

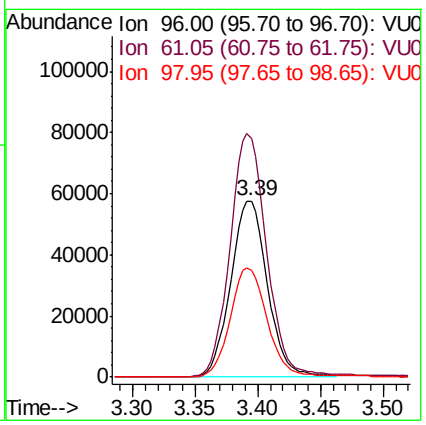


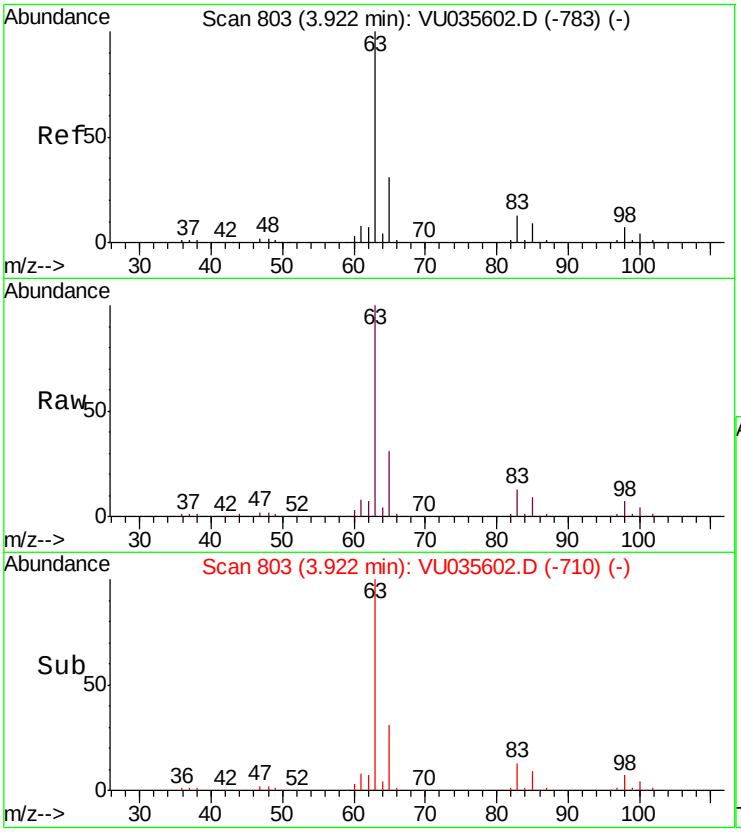


#18
trans-1,2-Dichloroethene
Concen: 4.554 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 96 Resp: 117477

Ion	Ratio	Lower	Upper
96	100		
61	135.7	95.0	176.4
98	60.7	42.5	78.9



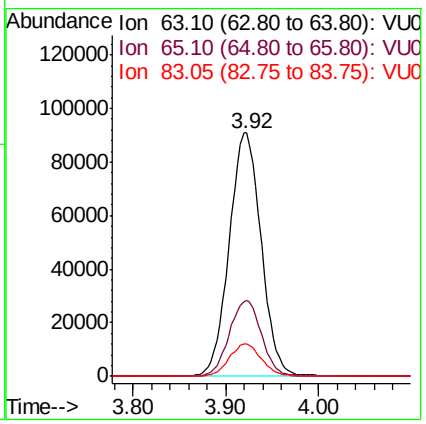


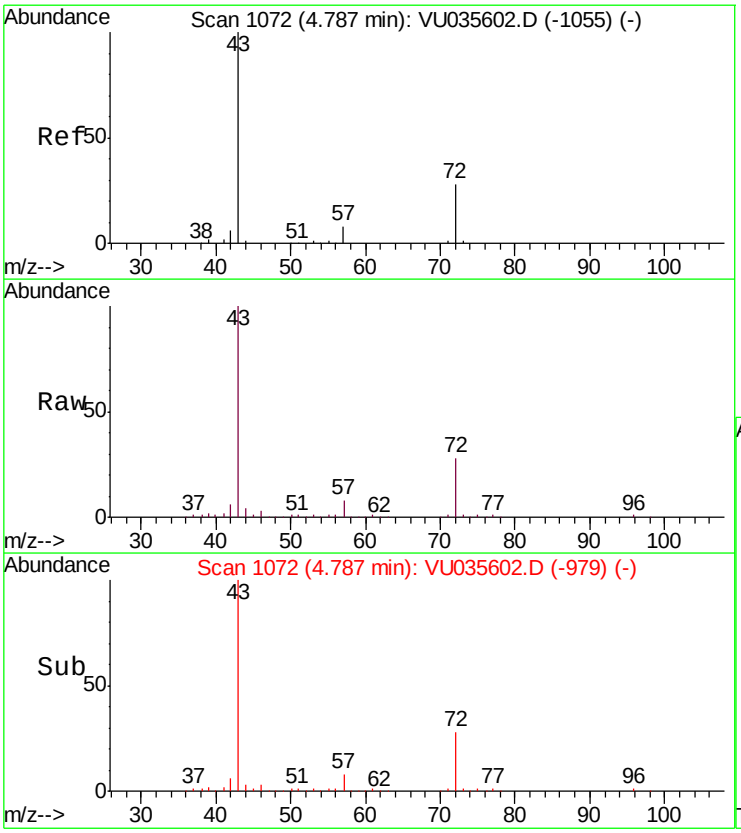
#19
1,1-Dichloroethane
Concen: 4.321 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 63 Resp: 217429

Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.0	40.8
83	13.3	9.3	17.3

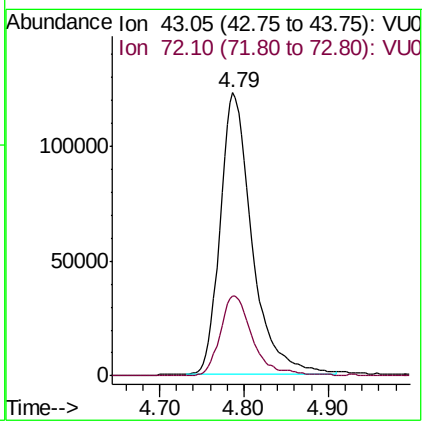


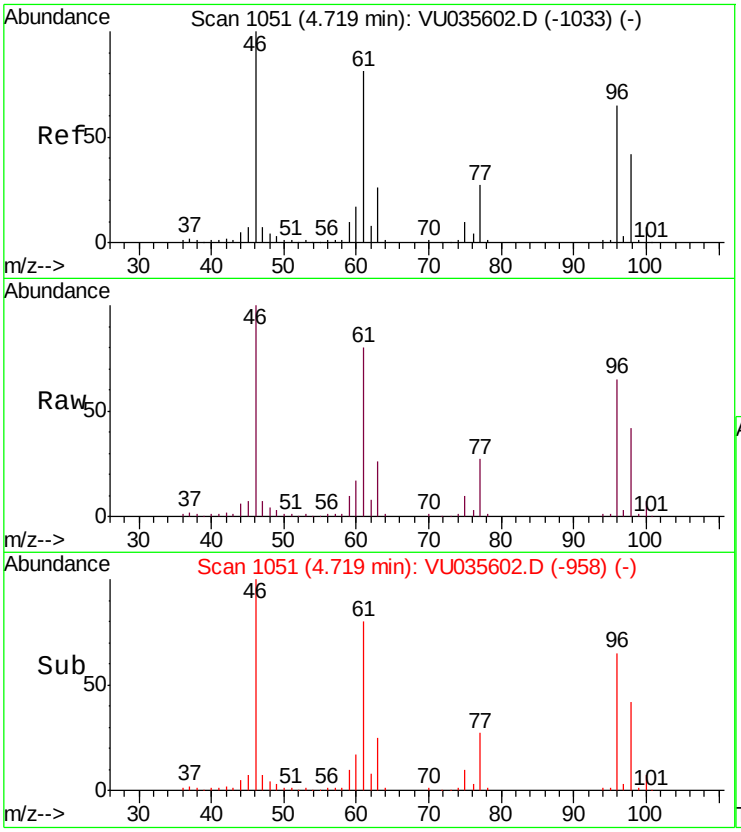


#21
2-Butanone
Concen: 44.946 ug/L
RT: 4.79 min Scan# 1072
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 43 Resp: 319743

Ion	Ratio	Lower	Upper
43	100		
72	28.6	14.3	42.9



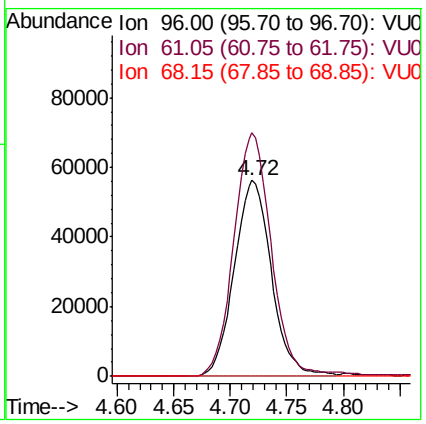


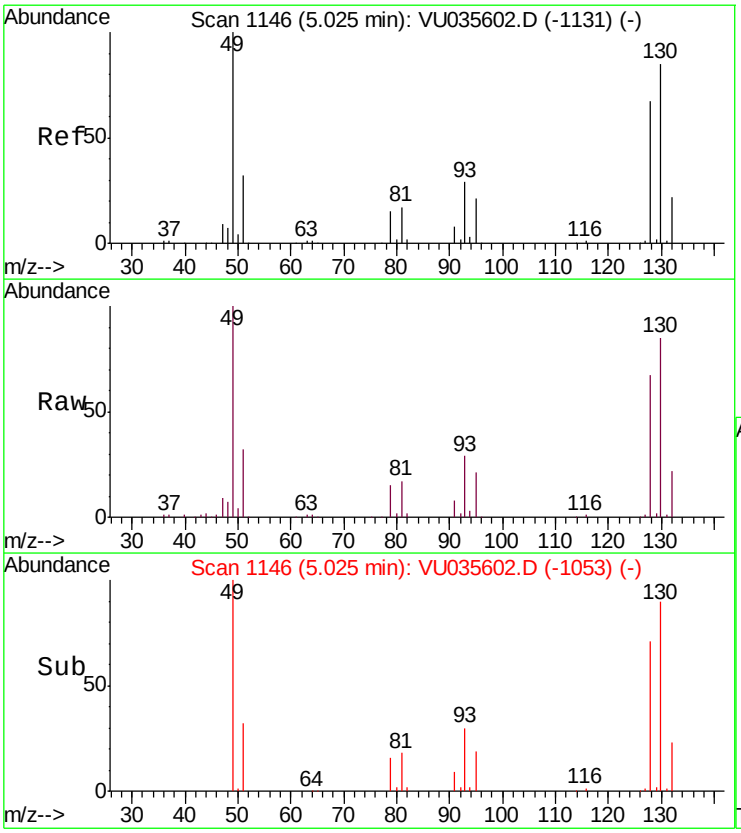
#22
cis-1,2-Dichloroethene
Concen: 4.656 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 96 Resp: 128948

Ion	Ratio	Lower	Upper
96	100		
61	124.3	87.0	161.6
68	0.0	0.0	0.0

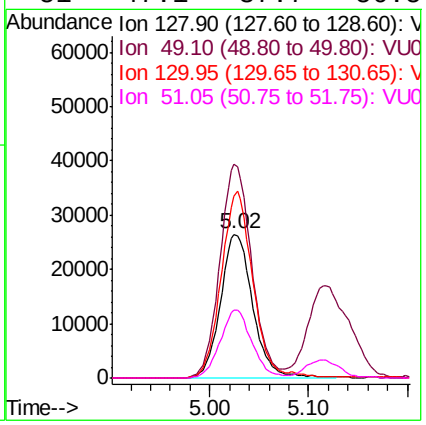


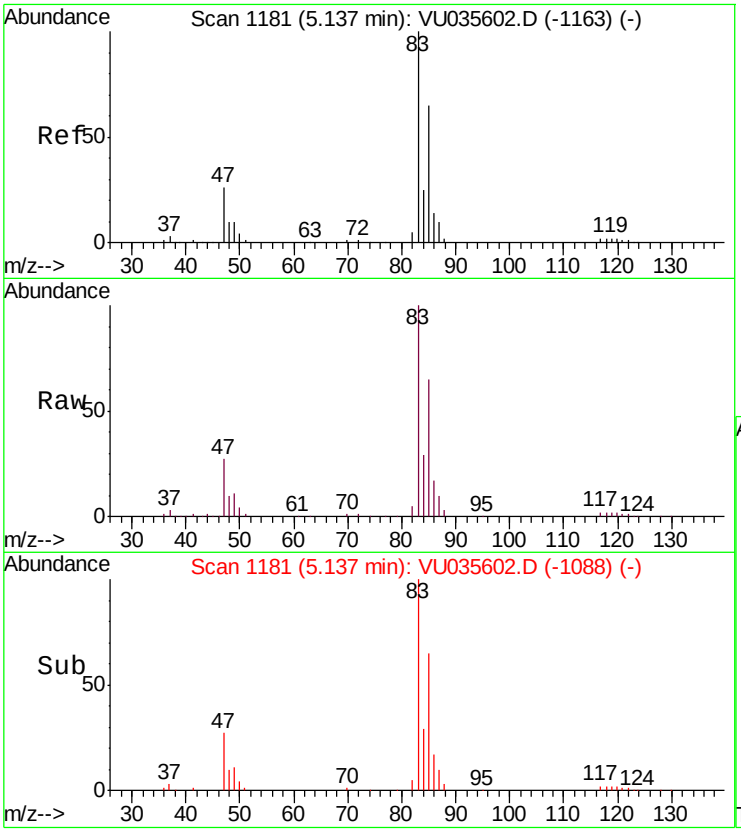


#23
Bromochloromethane
Concen: 4.687 ug/L
RT: 5.02 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion:128 Resp: 60542

Ion	Ratio	Lower	Upper
128	100		
49	148.7	104.1	193.3
130	126.3	88.4	164.2
51	47.1	37.7	56.5



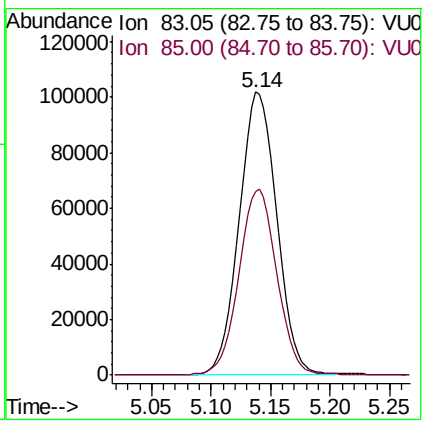


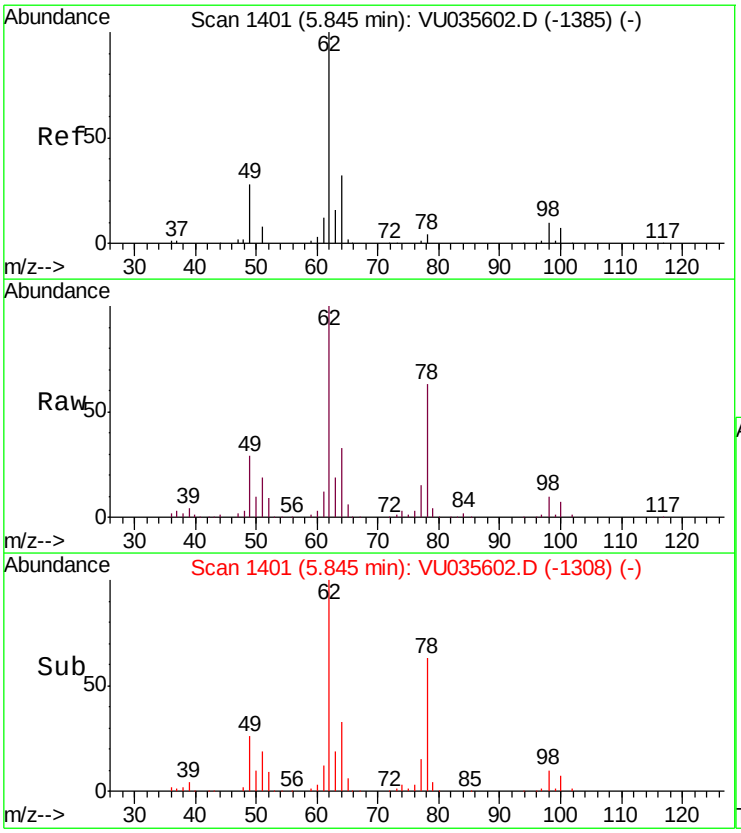
#25
Chloroform
Concen: 4.206 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 83 Resp: 223855

Ion	Ratio	Lower	Upper
83	100		
85	64.8	45.4	84.2

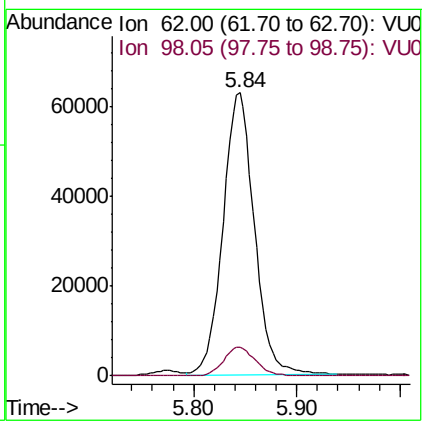


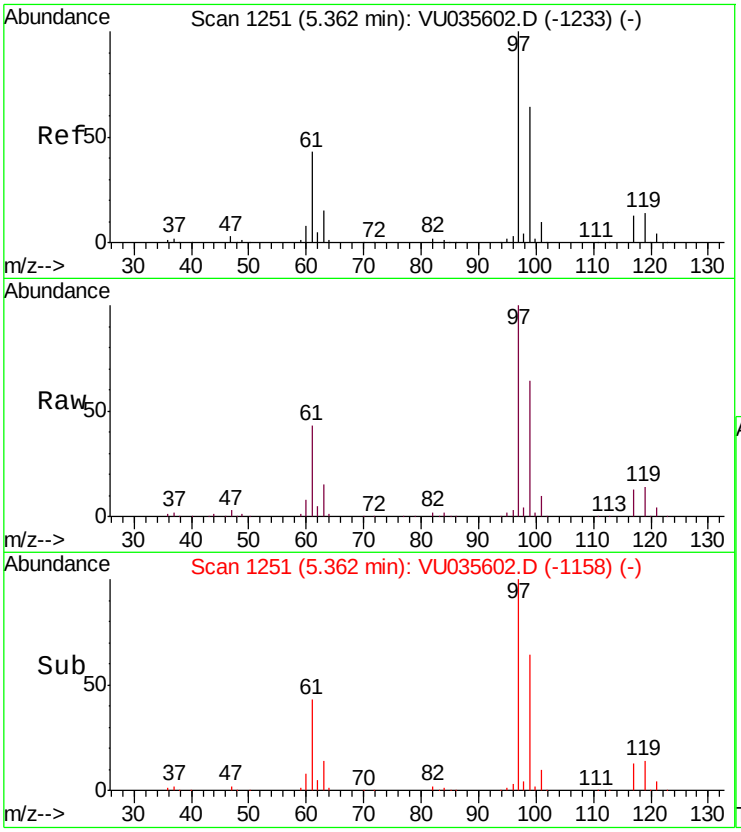


#27
1,2-Dichloroethane
Concen: 4.236 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 62 Resp: 132756

Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.0	12.0



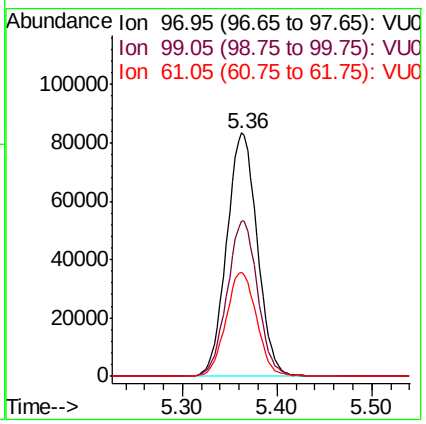


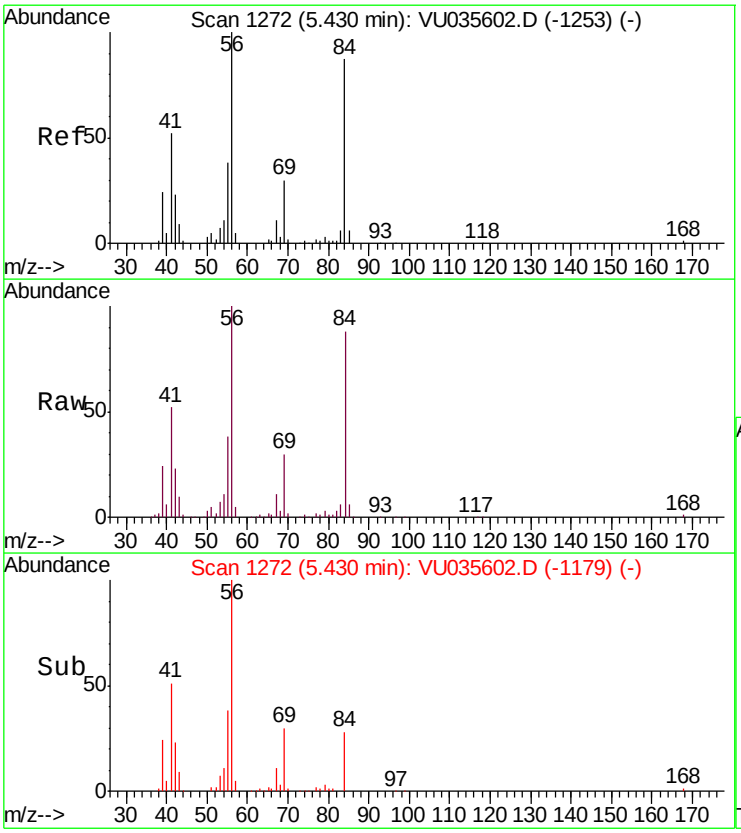
#29
1,1,1-Trichloroethane
Concen: 4.631 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 97 Resp: 186846

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	43.0	34.4	51.6

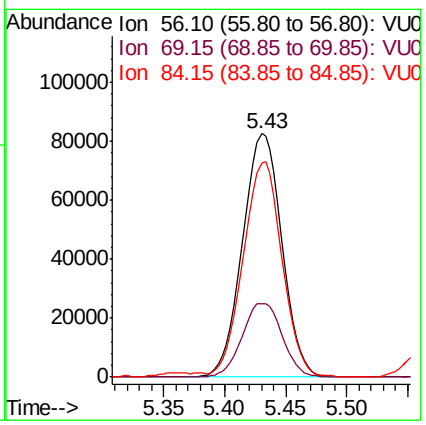


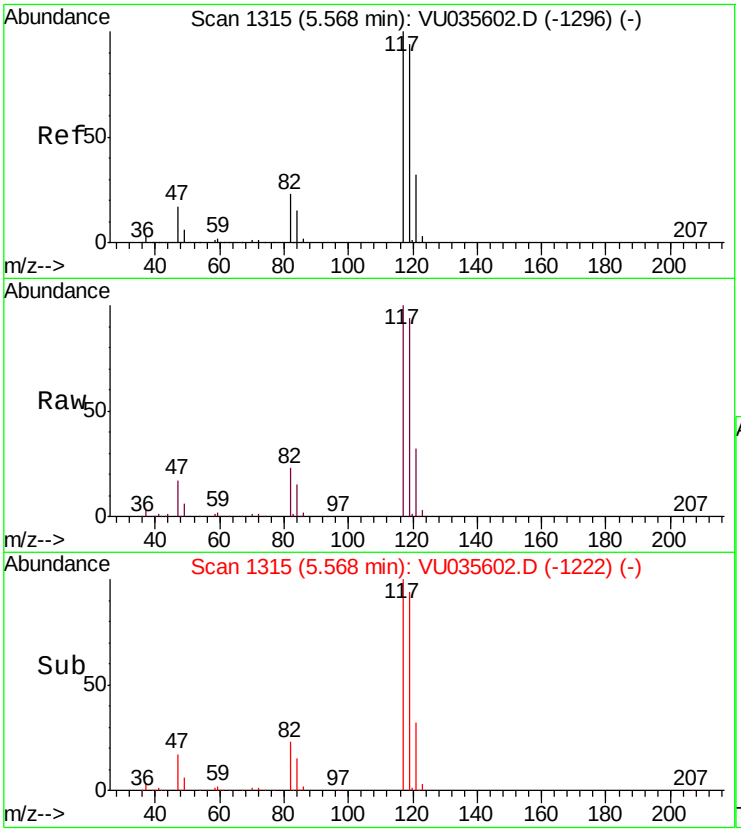


#30
Cyclohexane
Concen: 4.506 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 56 Resp: 184302

Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	87.1	69.7	104.5



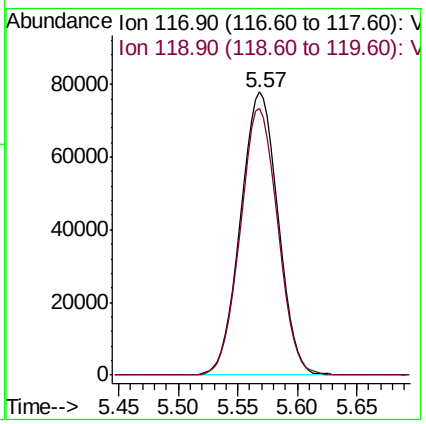


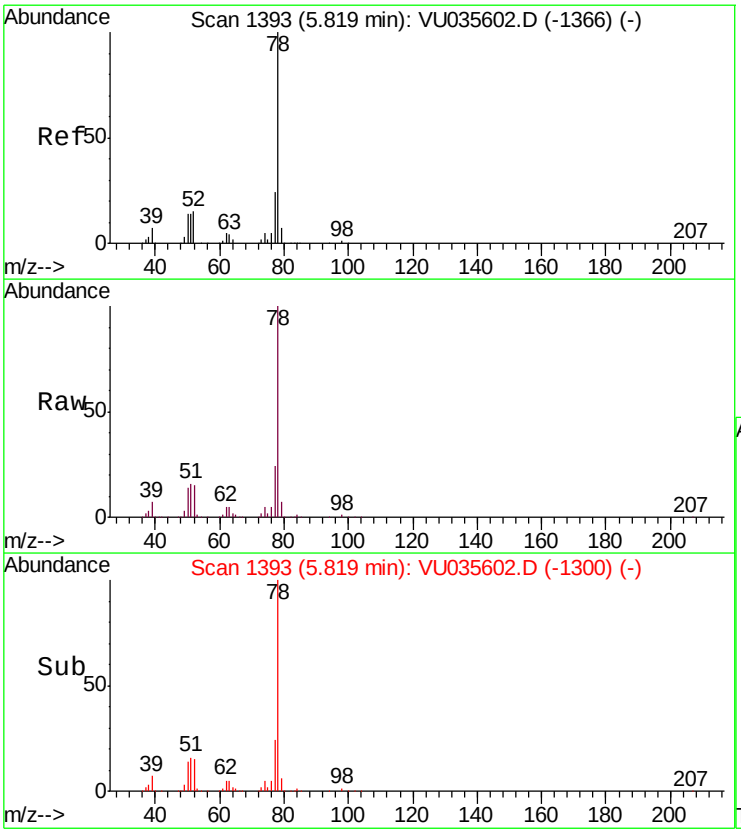
#31
Carbon tetrachloride
Concen: 4.719 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion:117 Resp: 170053

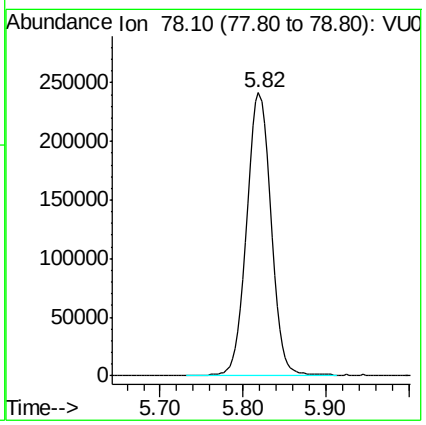
Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9

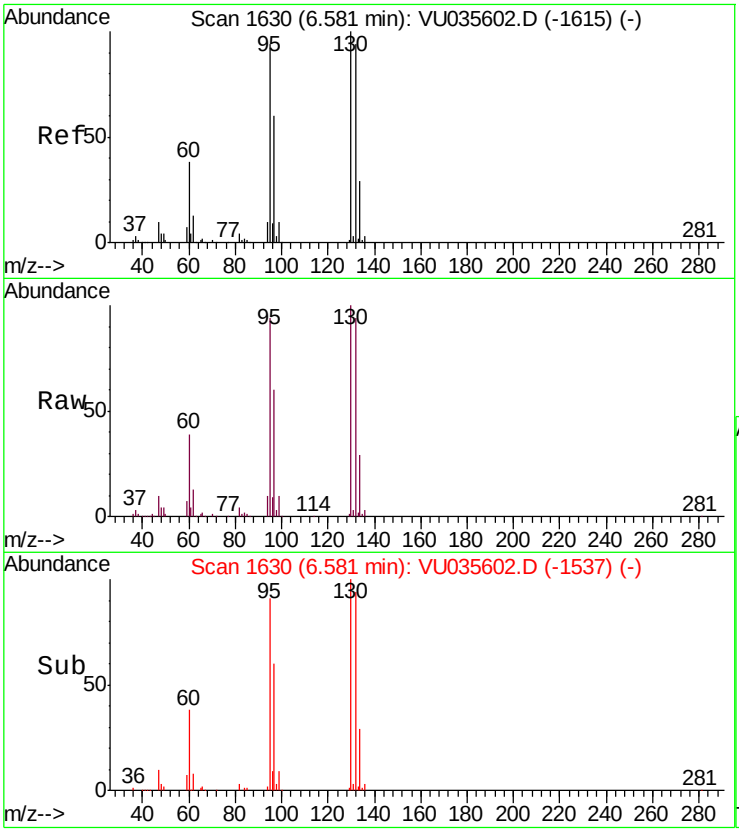




#33
Benzene
Concen: 4.641 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 78 Resp: 494180



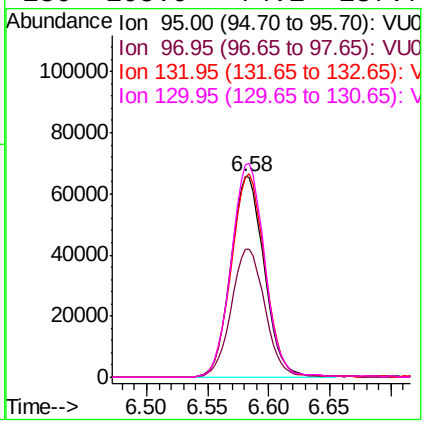


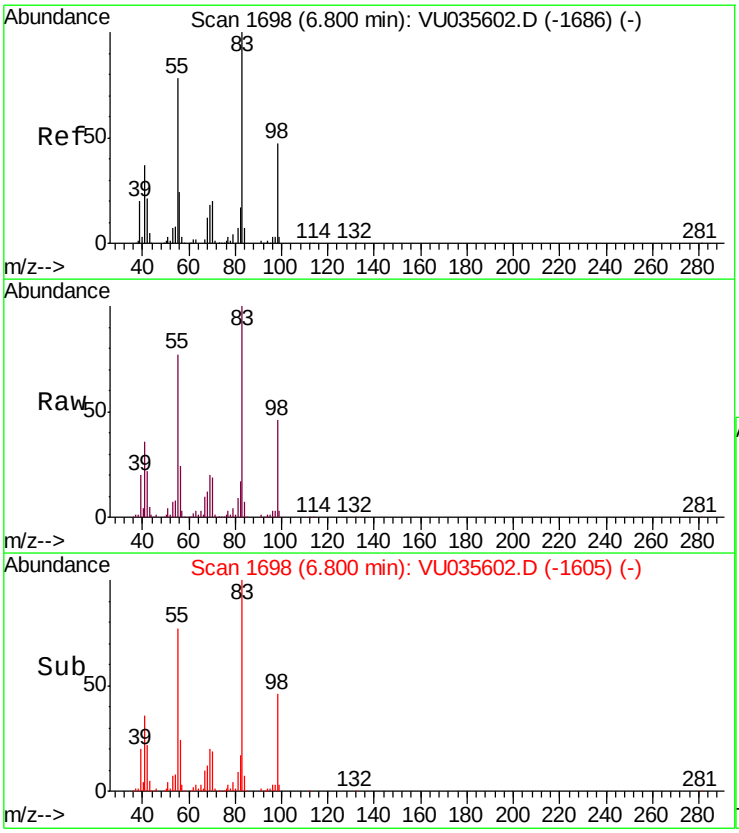
#34
Trichloroethene
Concen: 4.744 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 95 Resp: 125365

Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.5	82.7
132	99.8	69.9	129.7
130	105.9	74.1	137.7





#35
Methylcyclohexane
Concen: 4.714 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU035602.D
Acq: 04 Nov 2019 11:22

Tgt Ion: 83 Resp: 192571

Ion	Ratio	Lower	Upper
83	100		
55	78.2	62.6	93.8
98	46.5	37.2	55.8