Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073119\

Quantitation Report (Not Reviewed)

Data File : VU033534.D
Acq On : 31 Jul 2019 18:46
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD05042

Quant Time: Aug 01 07:27:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	306157	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	308008	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	171899	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	96893	43.53	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.06%			
7) Chloroethane-d5	1.67	69	85641	44.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.68%			
11) 1,1-Dichloroethene-d2	2.26	63	196045	48.53	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.06%			
21) 2-Butanone-d5	4.15	46	153604	104.19	ug/L	-0.01
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.19%			
24) Chloroform-d	4.62	84	183106	49.07	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.14%			
26) 1,2-Dichloroethane-d4	5.29	65	114944	48.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.30%			
32) Benzene-d6	5.32	84	356198	46.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.30%			
36) 1,2-Dichloropropane-d6	6.31	67	114647	47.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 95.80%			
41) Toluene-d8	7.55	98	334090	46.69	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.38%			
43) trans-1,3-Dichloropropene-	7.83	79	56331	47.44	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.88%			
47) 2-Hexanone-d5	8.29	63	115604	101.73	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 101.73%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	183510	49.72	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.44%			
64) 1,2-Dichlorobenzene-d4	11.84	152	140952	44.78	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	147219	50.991	ug/L	99
3) Chloromethane	1.32	50	150330	51.692	ug/L	100
5) Vinyl chloride	1.39	62	160205	51.388	ug/L	99
6) Bromomethane	1.61	94	98663	35.868	ug/L	100
8) Chloroethane	1.68	64	98064	51.766	ug/L	98
9) Trichlorofluoromethane	1.87	101	211556	51.876	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	107390	51.944	ug/L	99
12) 1,1-Dichloroethene	2.27	96	102638	51.769	ug/L	95
13) Acetone	2.31	43	135465	89.810	ug/L	99
14) Carbon disulfide	2.46	76	303706	48.839	ug/L	100
15) Methyl Acetate	2.60	43	126218	52.561	ug/L	99
16) Methylene chloride	2.68	84	118830	52.472	ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	105022	50.560	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	326694	51.575	ug/L	99
19) 1,1-Dichloroethane	3.42	63	202056	51.824	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	118512	50.831	ug/L	99
22) 2-Butanone	4.23	43	189351	105.153	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073119\

Quantitation Report (Not Reviewed)

Data File : VU033534.D
Acq On : 31 Jul 2019 18:46
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD05042

Quant Time: Aug 01 07:27:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	61626	50.659	ug/L	97
25) Chloroform	4.65	83	216315	52.721	ug/L	99
27) 1,2-Dichloroethane	5.38	62	168438	53.314	ug/L	99
29) Cyclohexane	4.97	56	167060	49.725	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	179188	50.561	ug/L	100
31) Carbon tetrachloride	5.11	117	157874	51.153	ug/L	99
33) Benzene	5.37	78	455137	51.222	ug/L	100
34) Trichloroethene	6.16	95	118340	50.489	ug/L	97
35) Methylcyclohexane	6.40	83	181472	49.615	ug/L	99
37) 1,2-Dichloropropane	6.41	63	121868	51.239	ug/L	100
38) Bromodichloromethane	6.74	83	157361	51.180	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	184719	49.759	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	343993	104.754	ug/L	100
42) Toluene	7.62	91	499104	52.238	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	170235	50.743	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	117547	52.060	ug/L	98
46) Tetrachloroethene	8.21	164	95601	49.960	ug/L	99
48) 2-Hexanone	8.34	43	273226	102.936	ug/L	99
49) Dibromochloromethane	8.46	129	130858	50.939	ug/L	98
50) 1,2-Dibromoethane	8.57	107	125834	50.312	ug/L	99
51) Chlorobenzene	9.10	112	318009	50.839	ug/L	99
52) Ethylbenzene	9.23	91	529924	51.507	ug/L	99
53) m,p-Xylene	9.36	106	205414	52.007	ug/L	97
54) o-xylene	9.76	106	200959	52.451	ug/L	95
55) Styrene	9.77	104	352534	54.175	ug/L	99
56) Isopropylbenzene	10.15	105	524636	52.407	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	209434	51.427	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	163613	52.116	ug/L	100
61) Bromoform	9.94	173	101174	48.724	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	259714	49.195	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	262729	47.902	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	265216	49.686	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	47573	48.238	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	199523	46.846	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	167932	46.145	ug/L	98
69) Naphthalene	13.73	128	495513	47.457	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	182236	47.614	ug/L	100

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

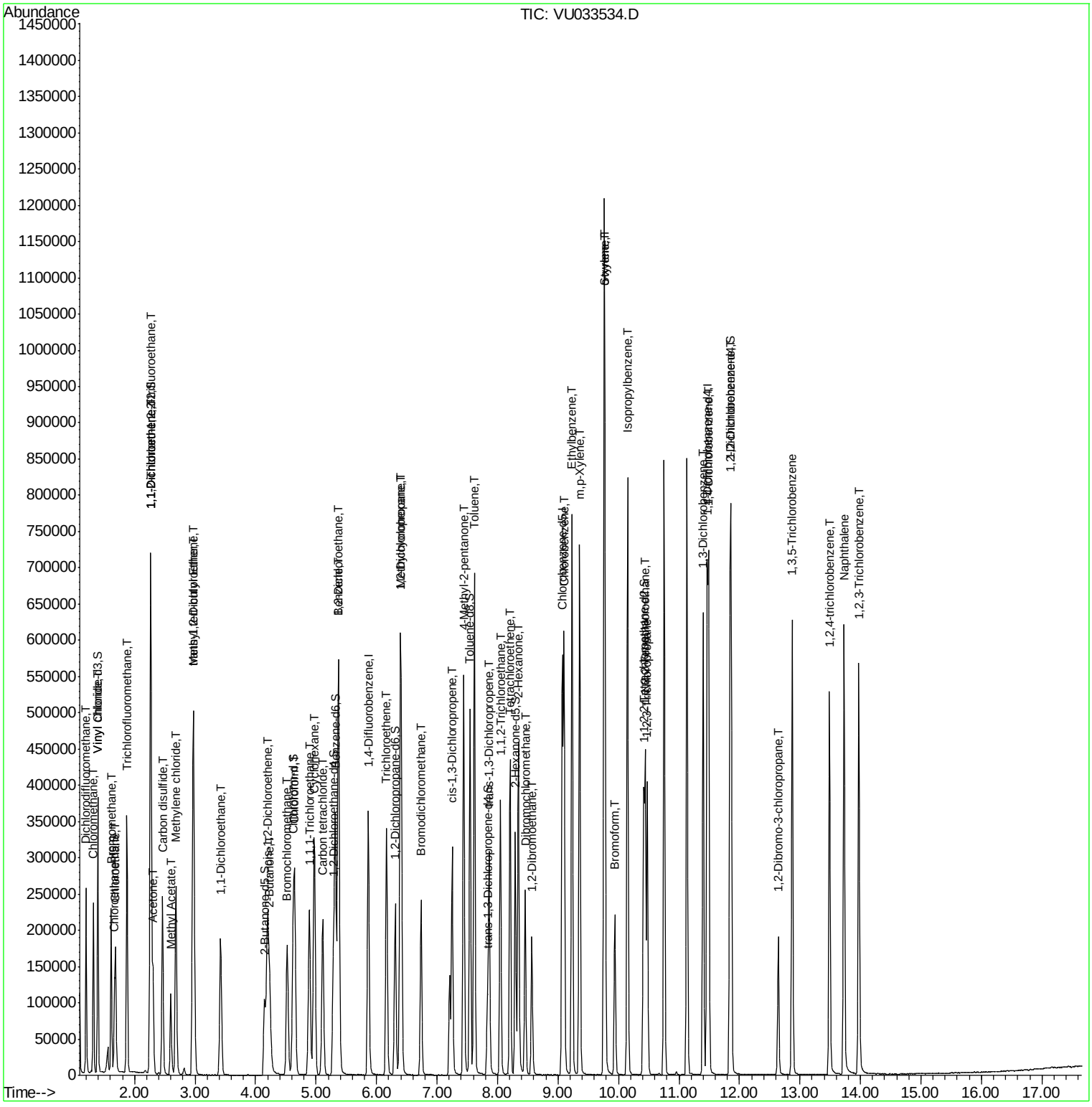
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073119\

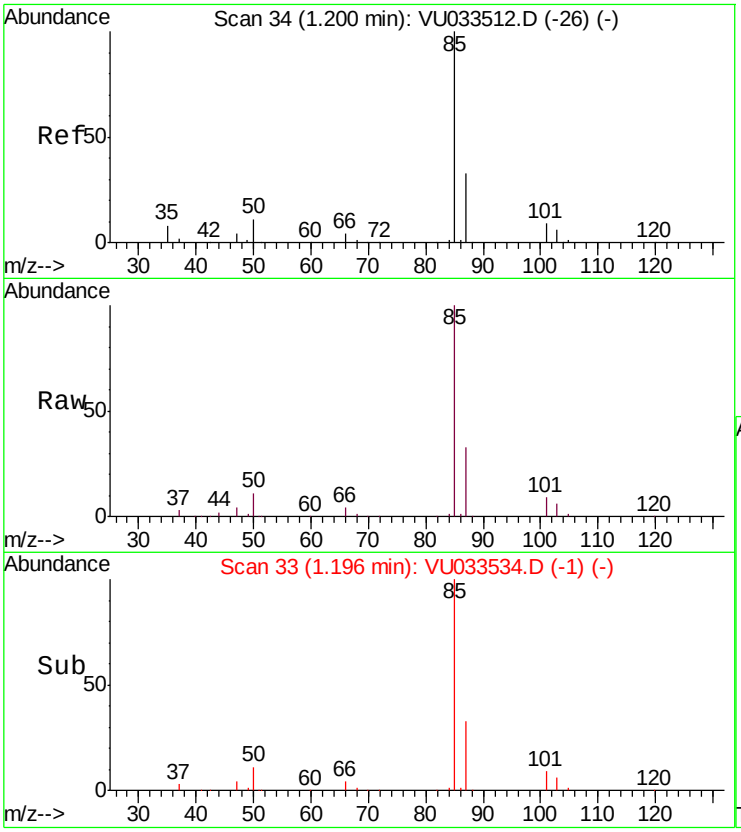
Quantitation Report (Not Reviewed)

Data File : VU033534.D
Acq On : 31 Jul 2019 18:46
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Quant Time: Aug 01 07:27:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration



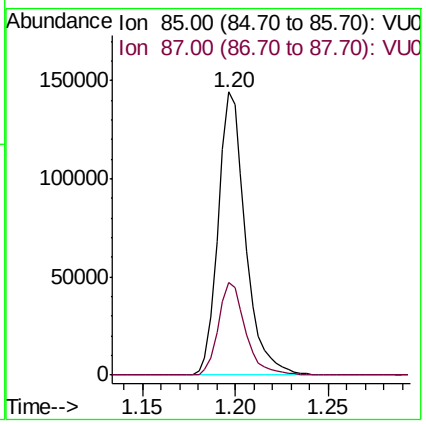


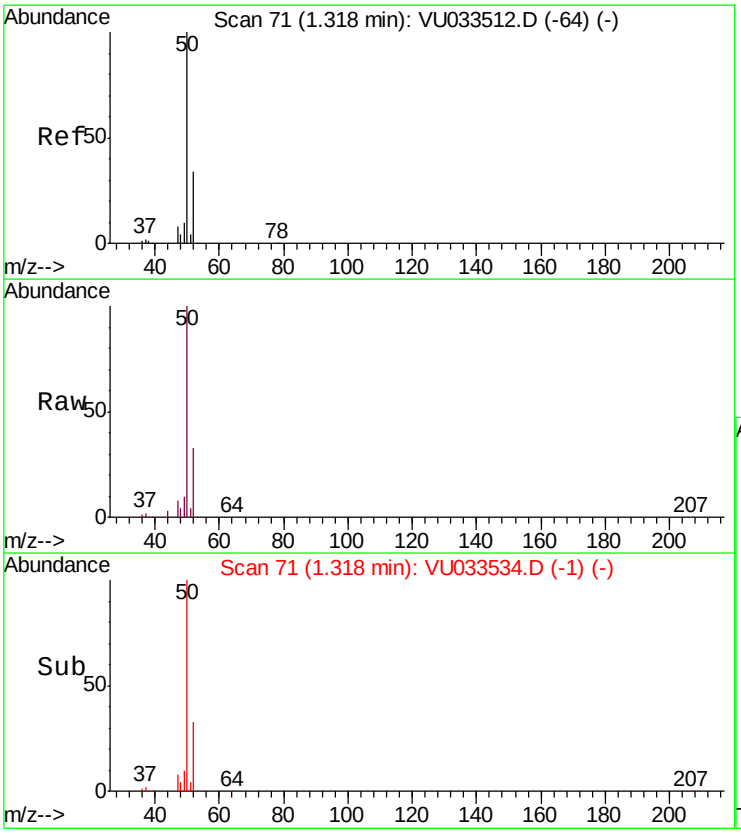
#2
Dichlorodifluoromethane
Concen: 50.991 ug/L
RT: 1.20 min Scan# 33
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 85 Resp: 147219

Ion	Ratio	Lower	Upper
85	100		
87	32.4	25.4	38.2

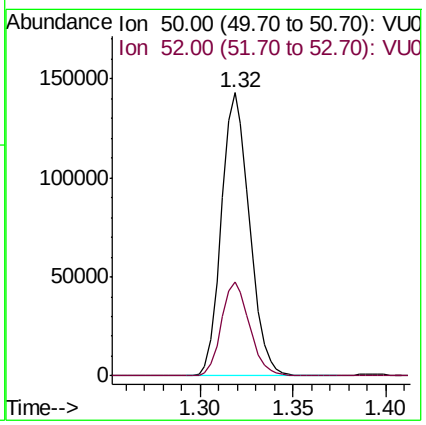


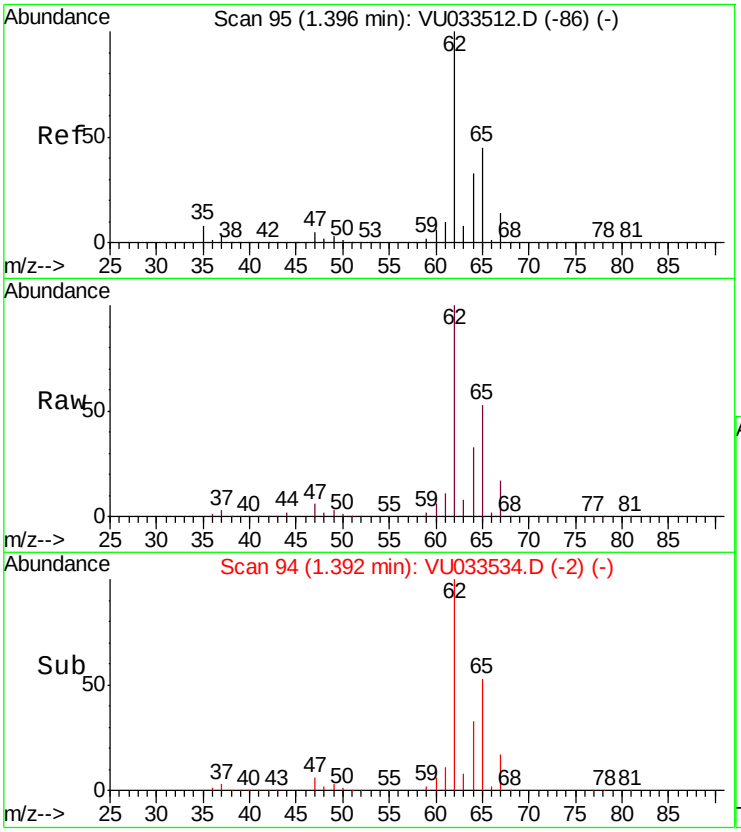


#3
Chloromethane
Concen: 51.692 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 50 Resp: 150330

Ion	Ratio	Lower	Upper
50	100		
52	33.1	23.1	42.9



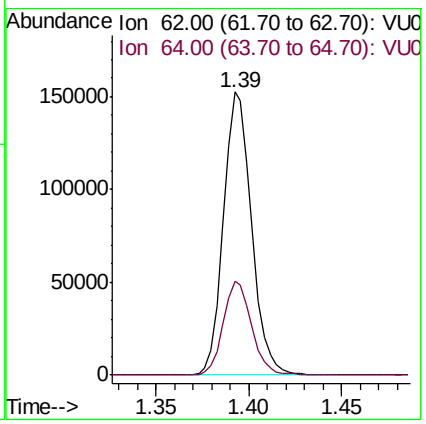


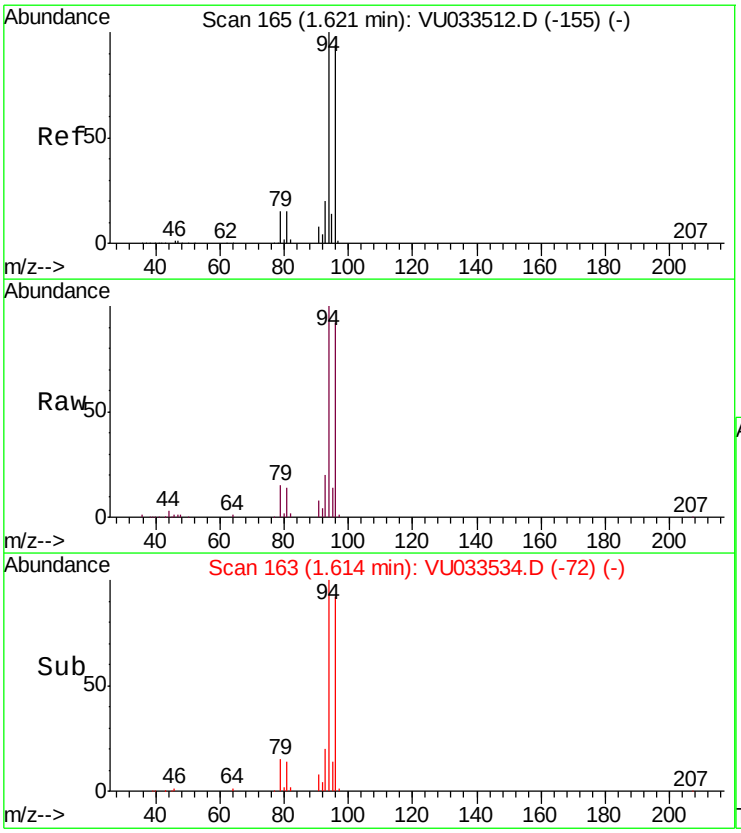
#5
Vinyl chloride
Concen: 51.388 ug/L
RT: 1.39 min Scan# 94
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 62 Resp: 160205

Ion	Ratio	Lower	Upper
62	100		
64	33.0	23.4	43.4

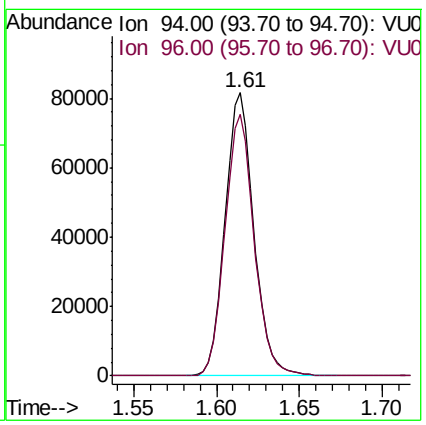


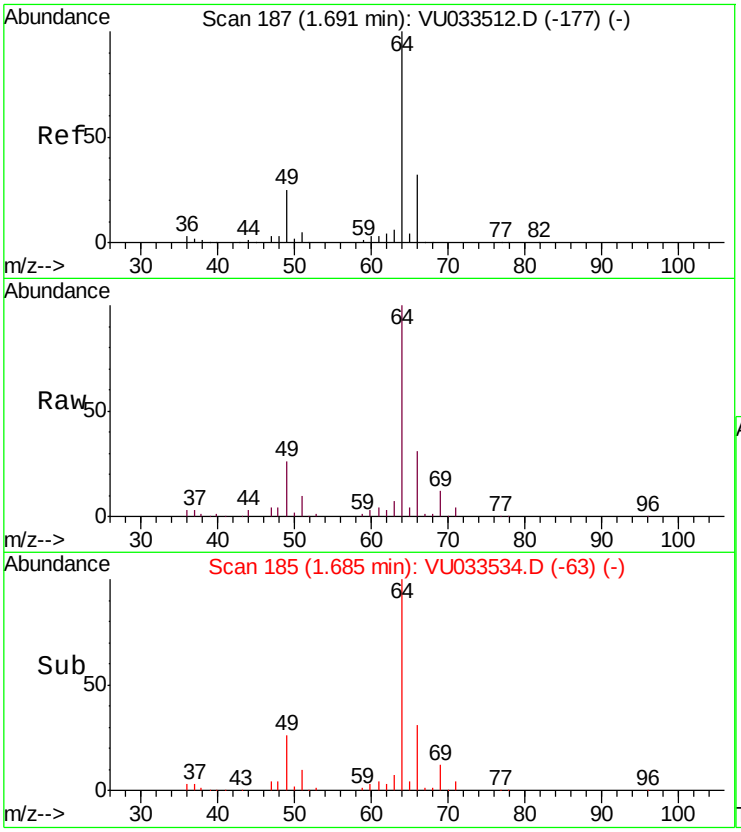


#6
Bromomethane
Concen: 35.868 ug/L
RT: 1.61 min Scan# 163
Delta R.T. -0.01 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 94 Resp: 98663

Ion	Ratio	Lower	Upper
94	100		
96	92.5	64.4	119.6



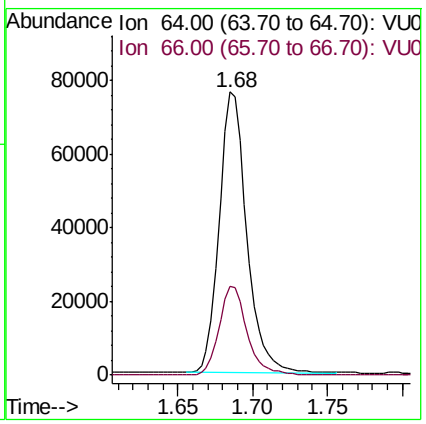


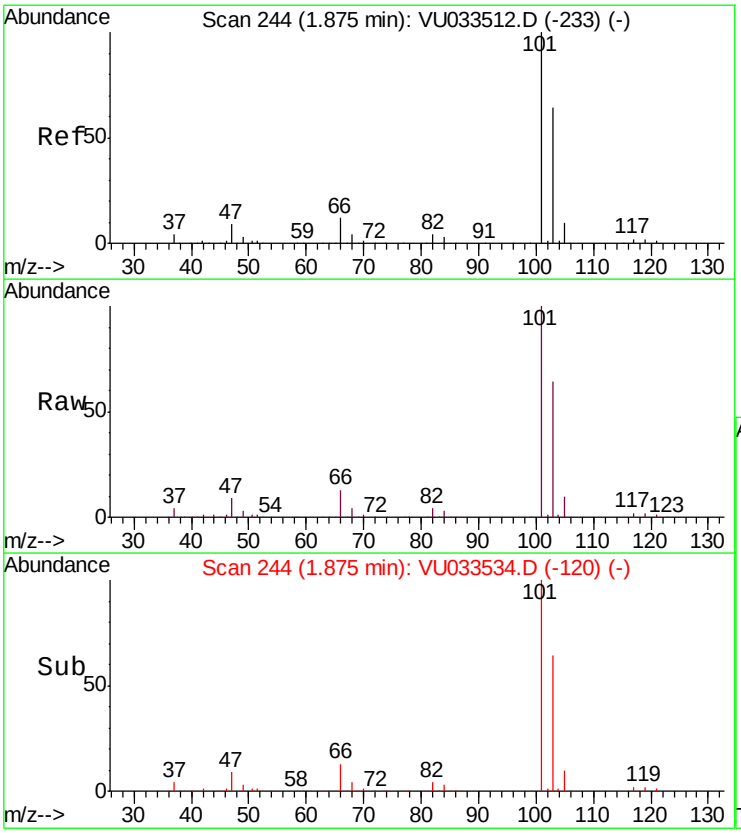
#8
Chloroethane
Concen: 51.766 ug/L
RT: 1.68 min Scan# 185
Delta R.T. -0.01 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument : MSVOA_U
ClientSampleId : VSTD05042

Tgt Ion: 64 Resp: 98064

Ion	Ratio	Lower	Upper
64	100		
66	31.5	21.1	39.3

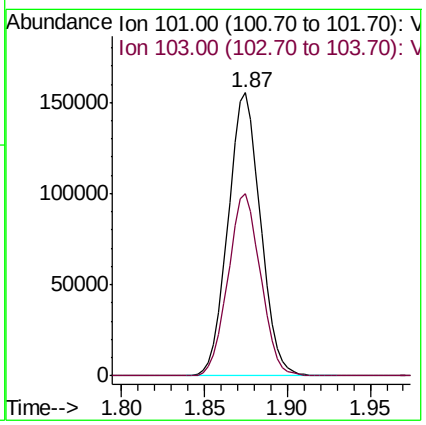


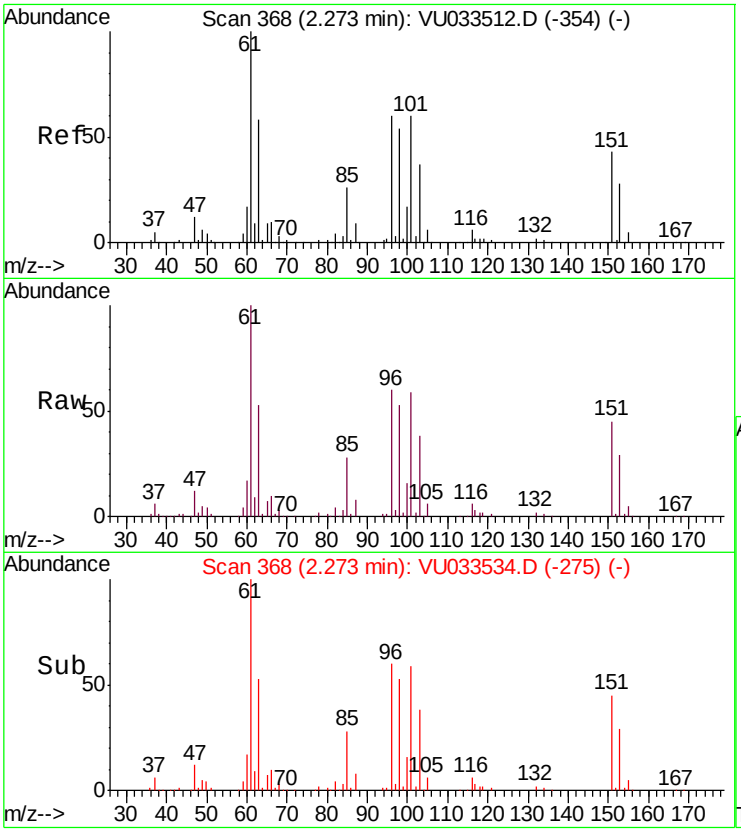


#9
Trichlorofluoromethane
Concen: 51.876 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion:101 Resp: 211556

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4



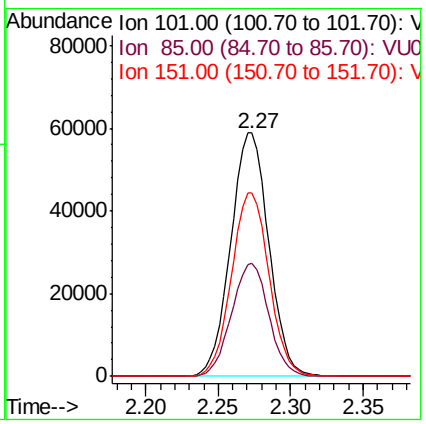


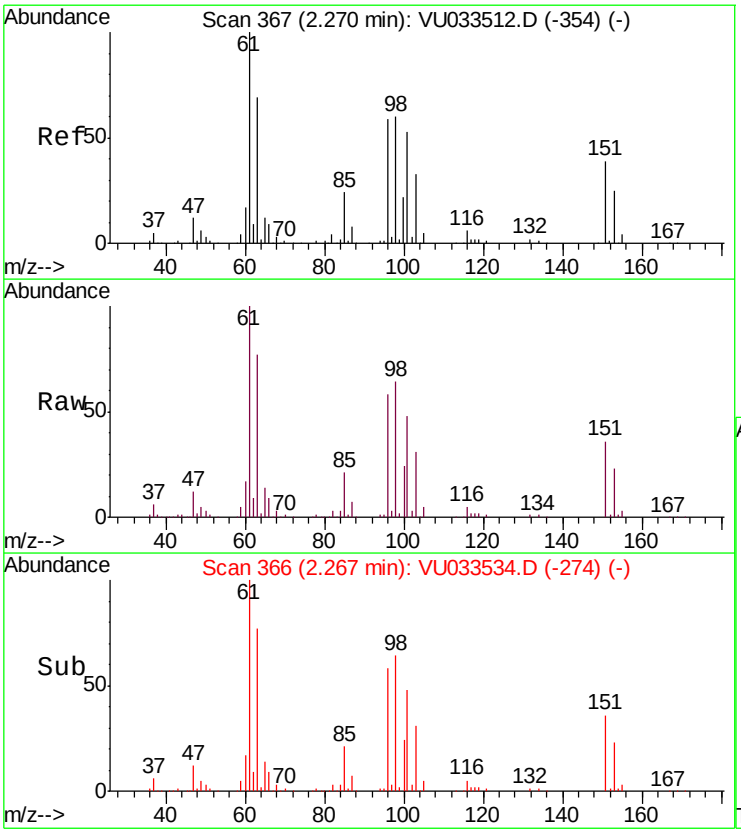
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 51.944 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion:101 Resp: 107390

Ion	Ratio	Lower	Upper
101	100		
85	45.3	35.8	53.8
151	74.4	60.1	90.1

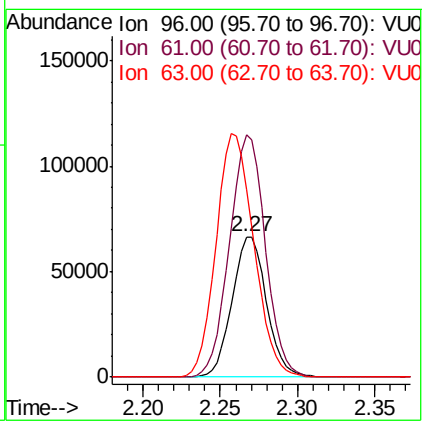


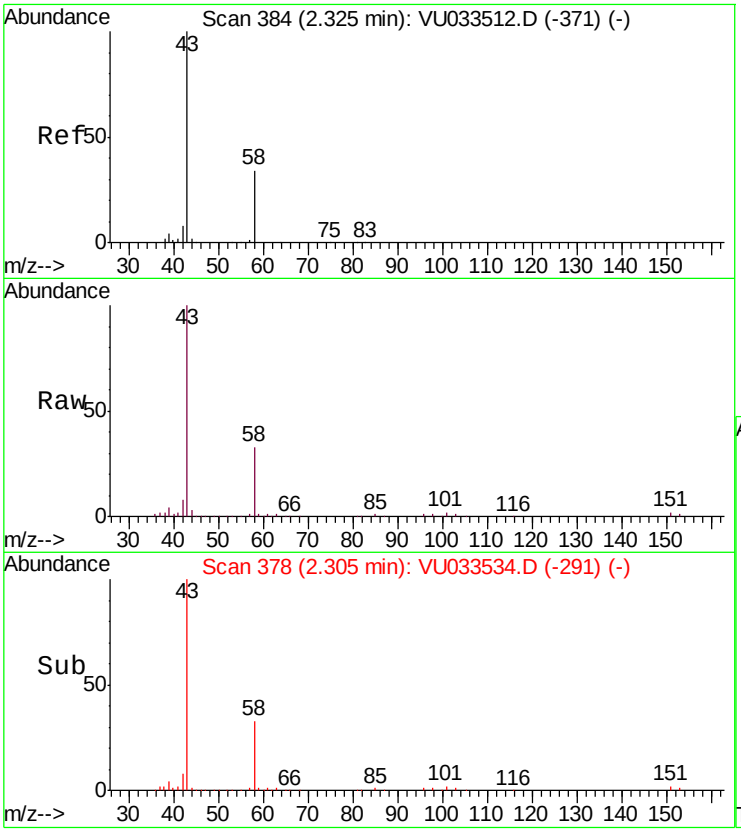


#12
1,1-Dichloroethene
Concen: 51.769 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 96 Resp: 102638

Ion	Ratio	Lower	Upper
96	100		
61	172.8	119.3	221.5
63	133.7	86.6	160.8



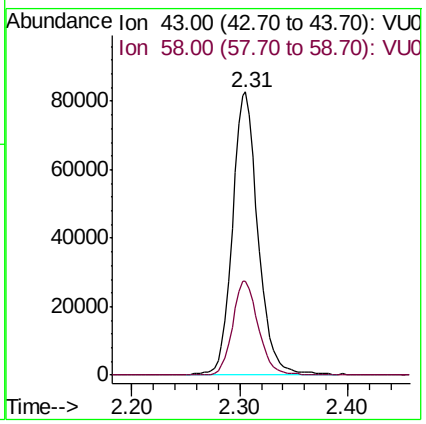


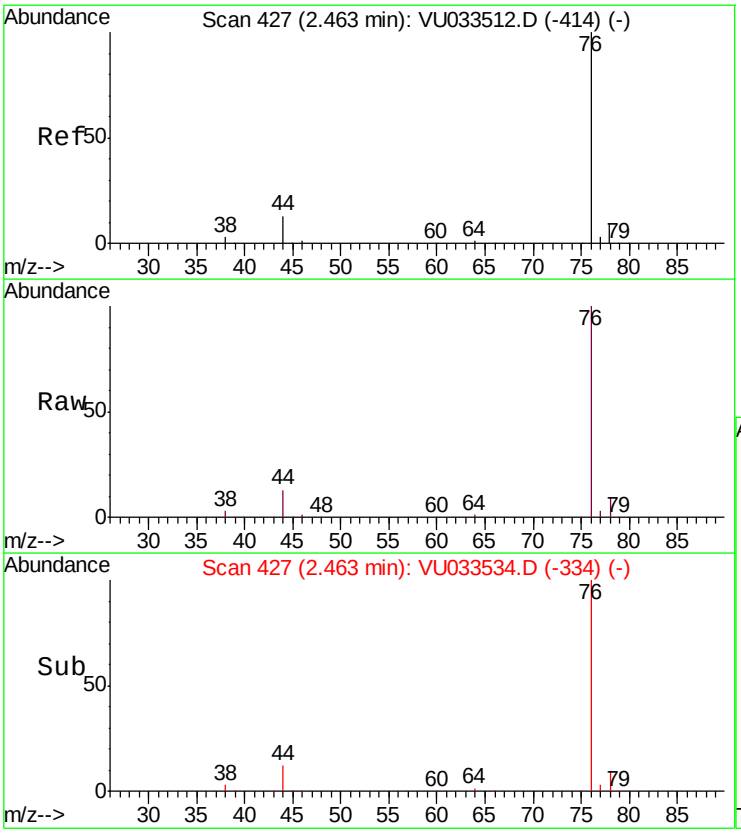
#13
Acetone
Concen: 89.810 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.02 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 43 Resp: 135465

Ion	Ratio	Lower	Upper
43	100		
58	33.7	0.0	66.2

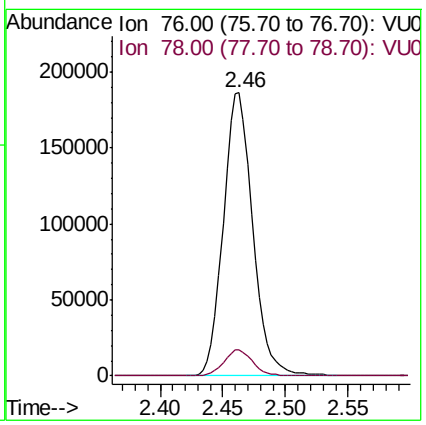


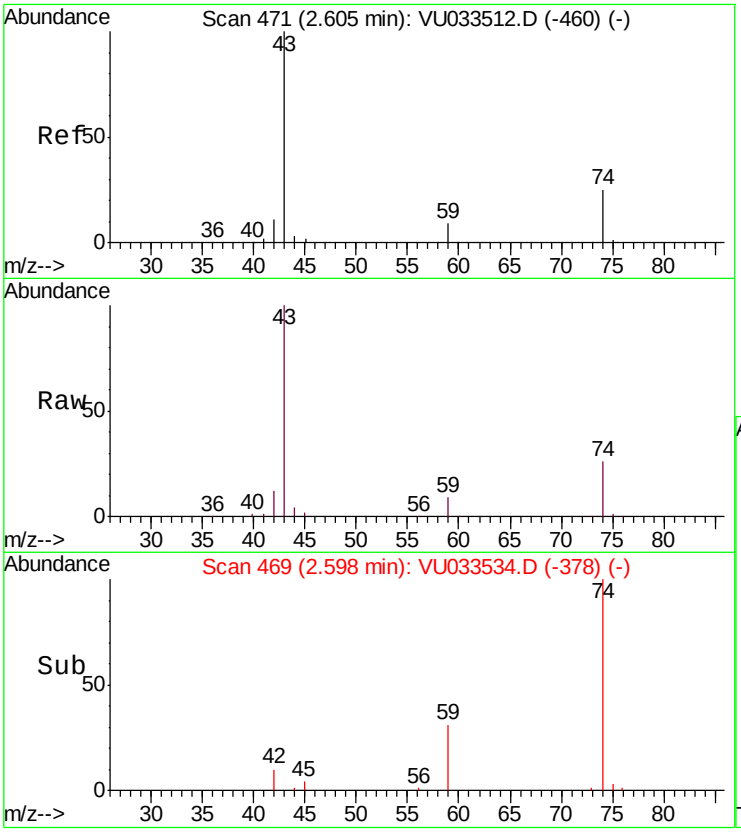


#14
Carbon disulfide
Concen: 48.839 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 76 Resp: 303706

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0



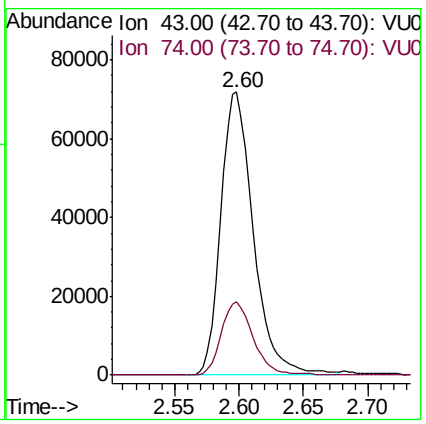


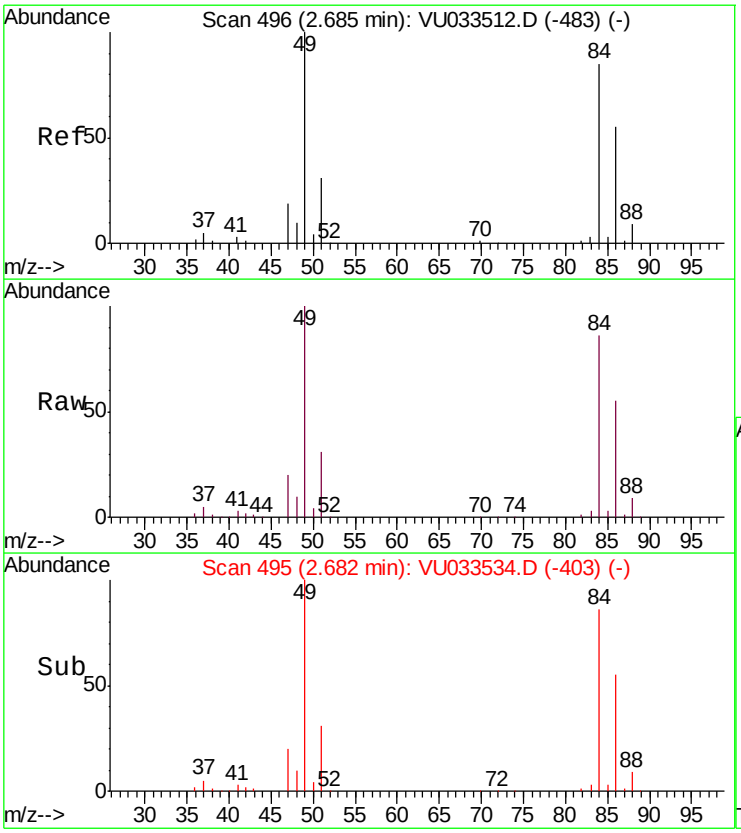
#15
Methyl Acetate
Concen: 52.561 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.01 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 43 Resp: 126218

Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.1	30.1

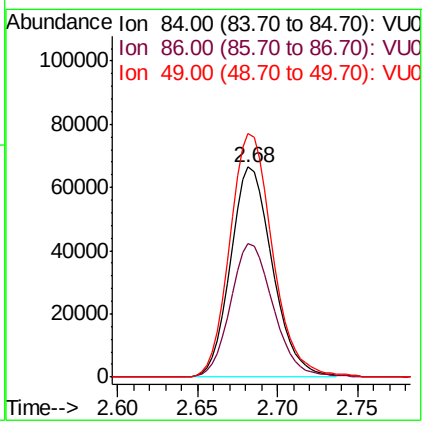


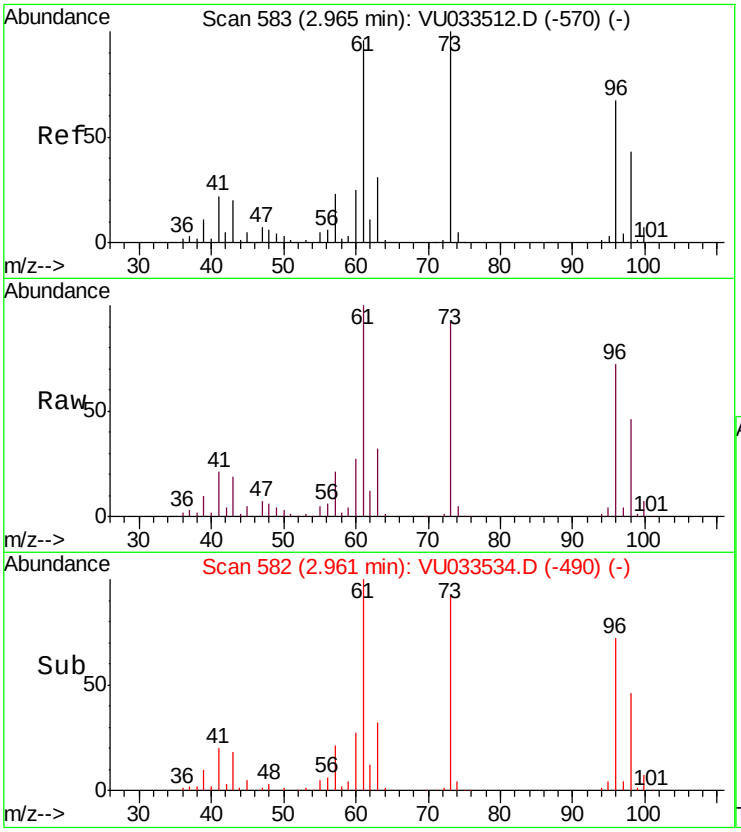


#16
Methylene chloride
Concen: 52.472 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 84 Resp: 118830

Ion	Ratio	Lower	Upper
84	100		
86	63.6	45.7	84.9
49	116.0	85.0	158.0



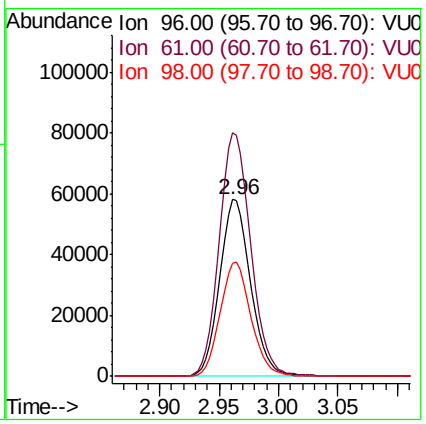


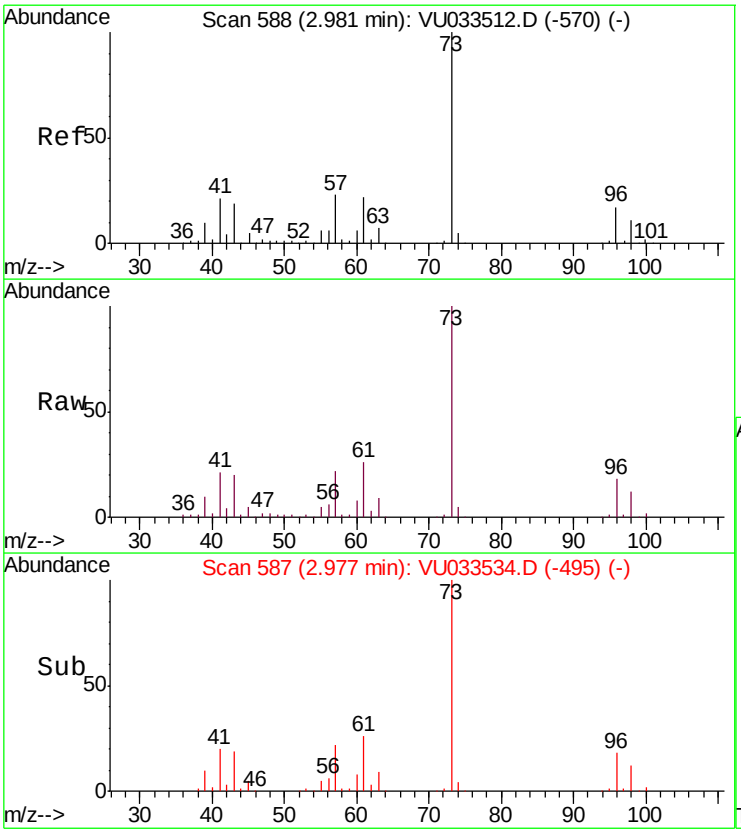
#17
trans-1,2-Dichloroethene
Concen: 50.560 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 96 Resp: 105022

Ion	Ratio	Lower	Upper
96	100		
61	137.9	98.3	182.5
98	63.7	44.3	82.3

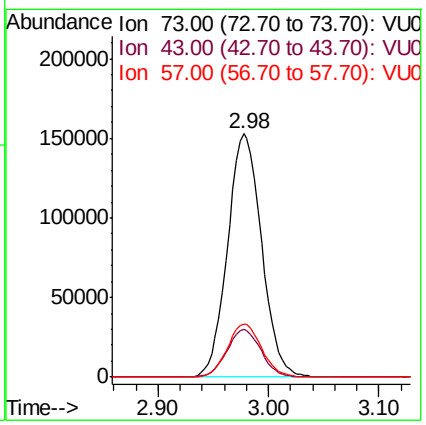


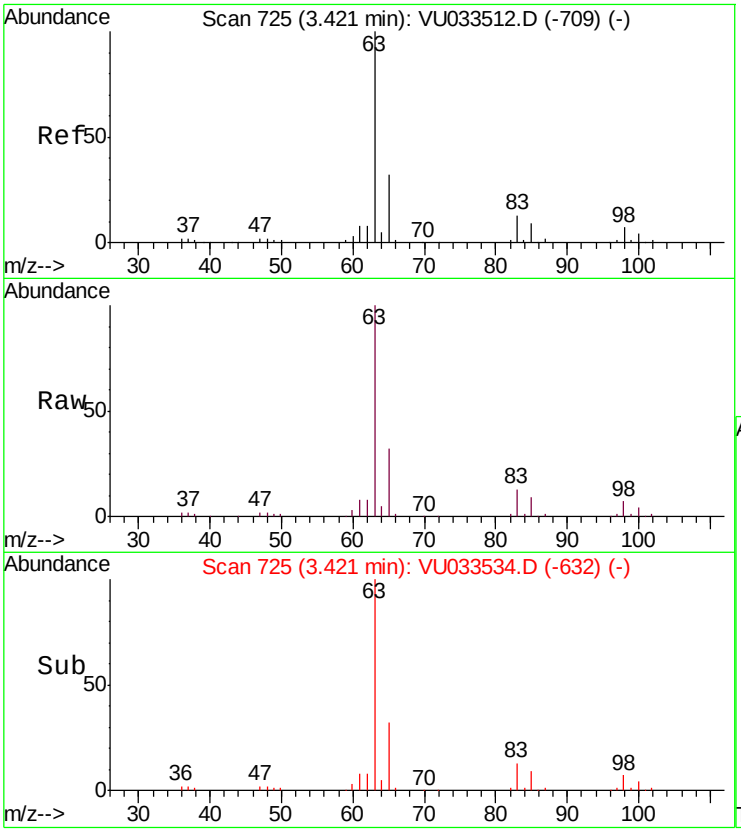


#18
Methyl tert-butyl Ether
Concen: 51.575 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 73 Resp: 326694

Ion	Ratio	Lower	Upper
73	100		
43	19.7	15.4	23.2
57	22.1	17.4	26.2



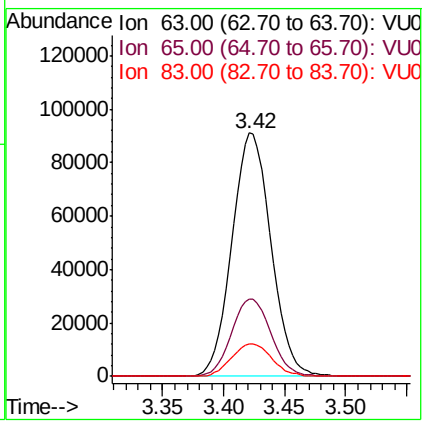


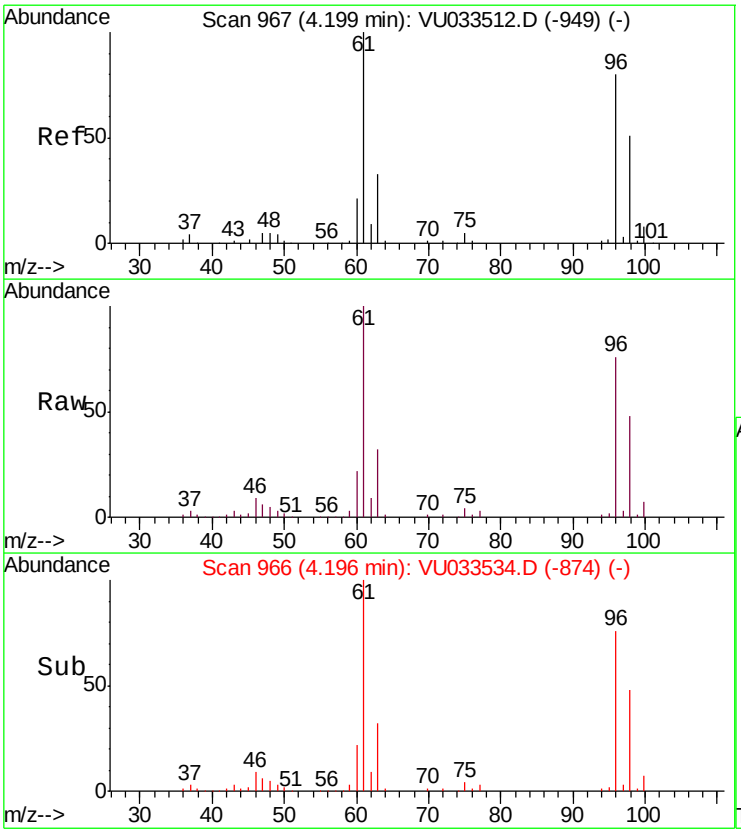
#19
1,1-Dichloroethane
Concen: 51.824 ug/L
RT: 3.42 min Scan# 725
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 63 Resp: 202056

Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.0	40.8
83	13.4	9.5	17.7

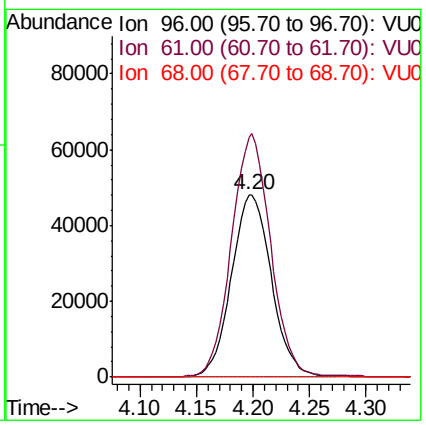


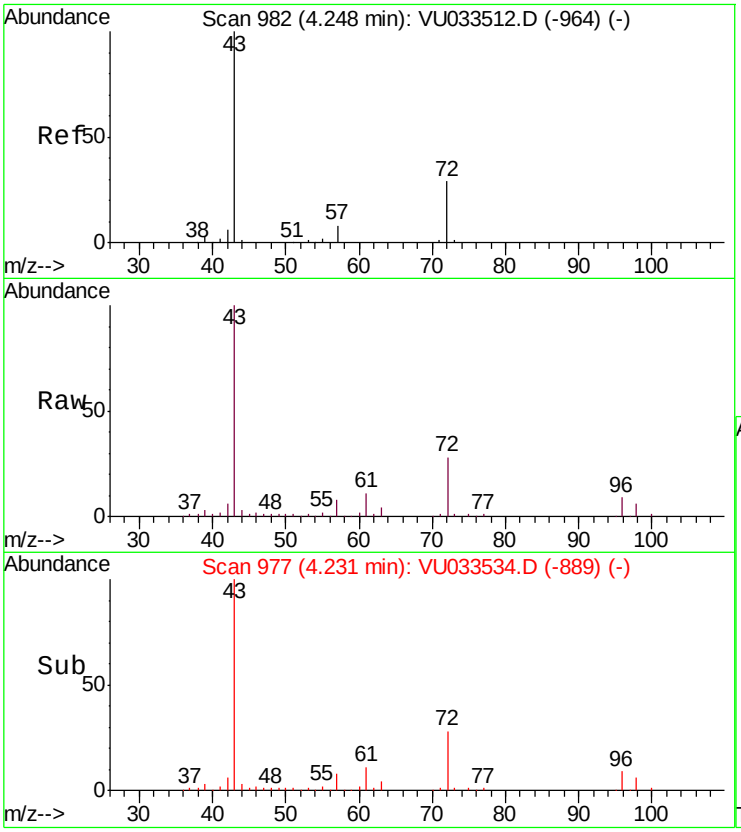


#20
cis-1,2-Dichloroethene
Concen: 50.831 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 96 Resp: 118512

Ion	Ratio	Lower	Upper
96	100		
61	131.4	91.3	169.6
68	0.0	0.0	0.0



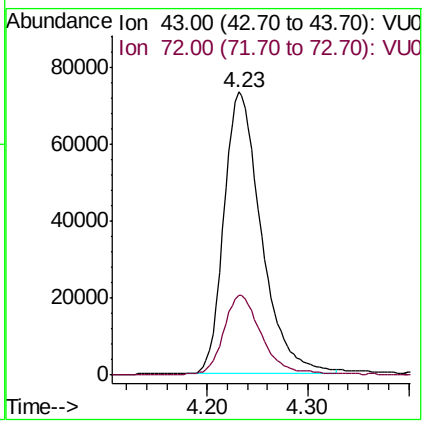


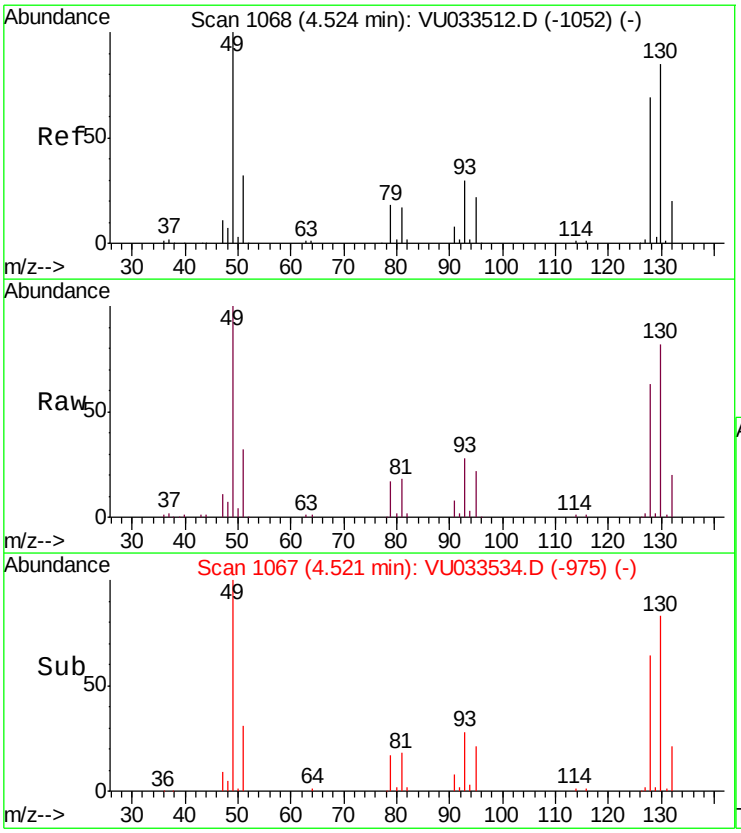
#22
2-Butanone
Concen: 105.153 ug/L
RT: 4.23 min Scan# 977
Delta R.T. -0.02 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 43 Resp: 189351

Ion	Ratio	Lower	Upper
43	100		
72	28.5	14.2	42.6

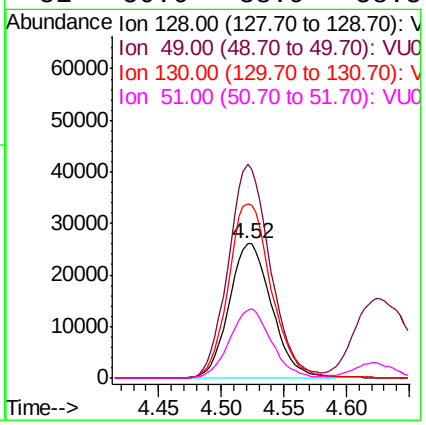


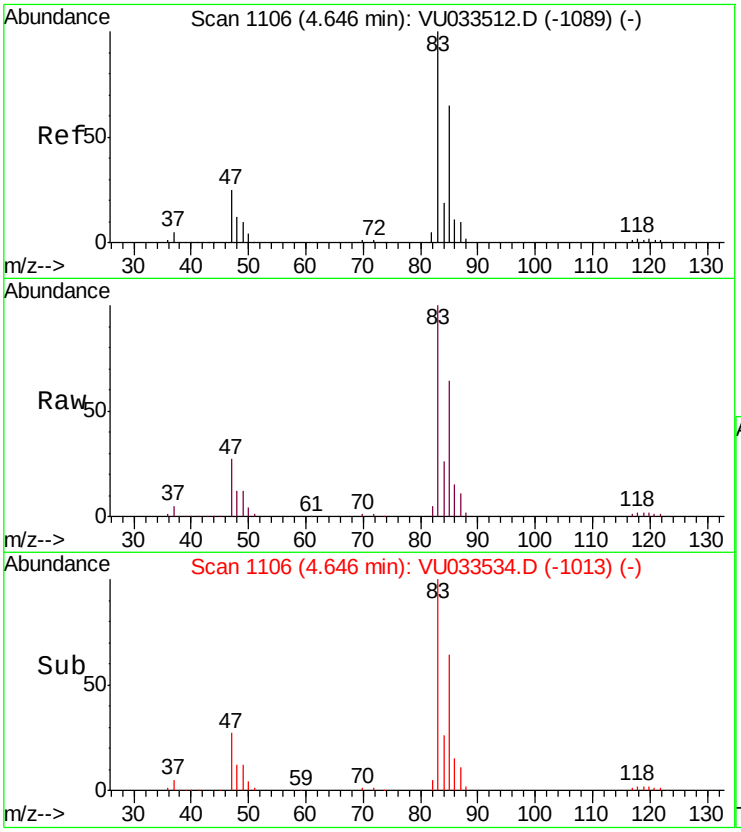


#23
Bromochloromethane
Concen: 50.659 ug/L
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion:128 Resp: 61626

Ion	Ratio	Lower	Upper
128	100		
49	159.2	108.4	201.2
130	129.9	89.7	166.5
51	50.6	38.9	58.3



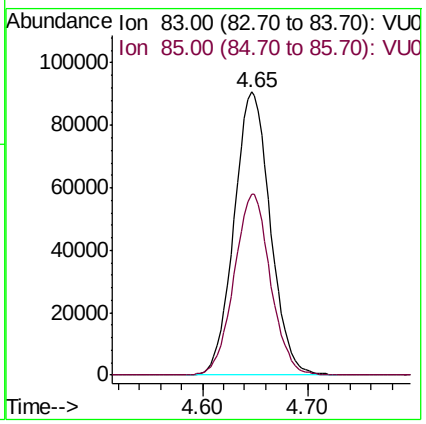


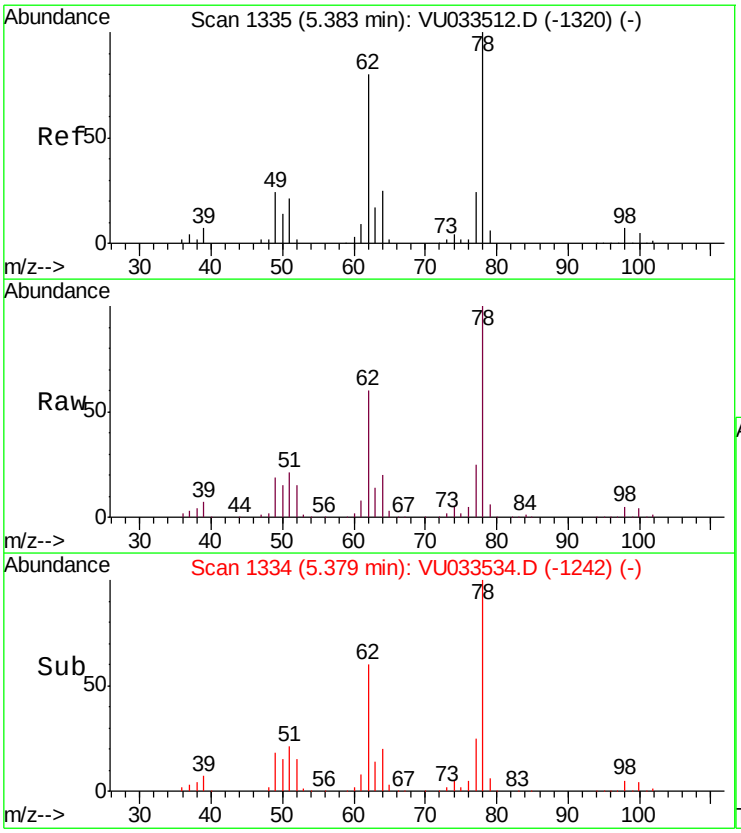
#25
Chloroform
Concen: 52.721 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 83 Resp: 216315

Ion	Ratio	Lower	Upper
83	100		
85	64.1	45.6	84.8

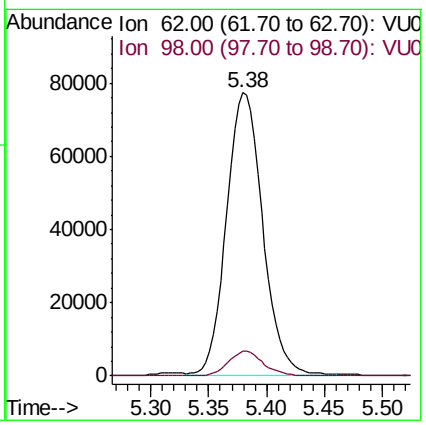


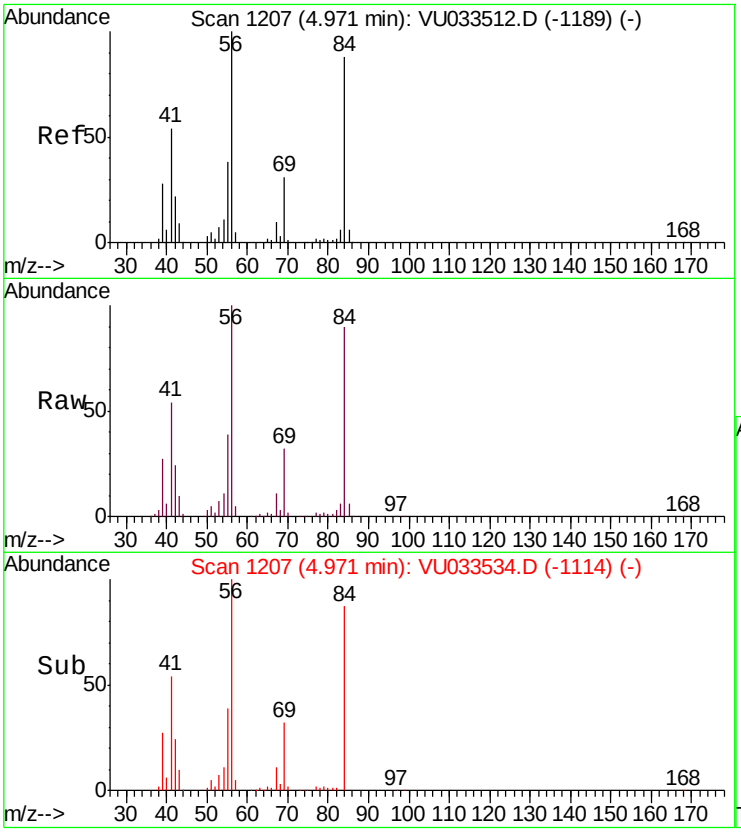


#27
1,2-Dichloroethane
Concen: 53.314 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 62 Resp: 168438

Ion	Ratio	Lower	Upper
62	100		
98	8.6	7.2	10.8



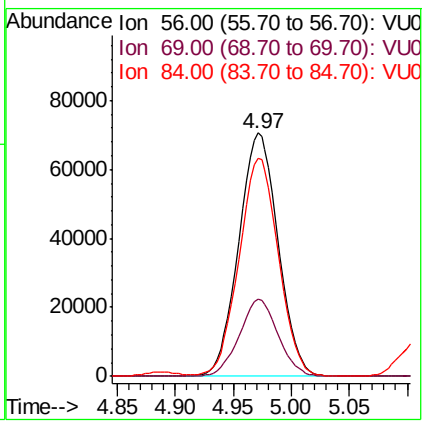


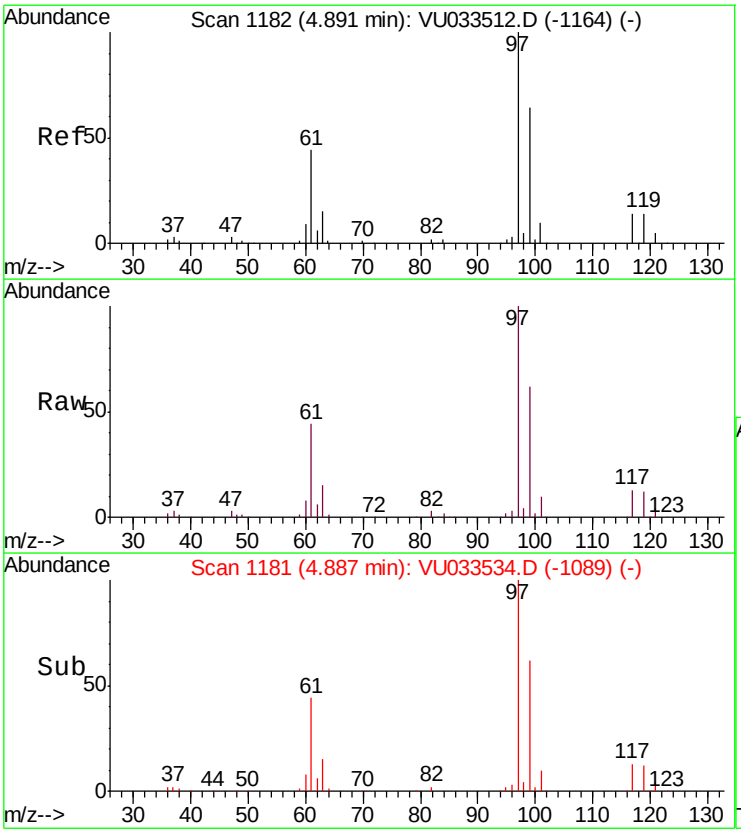
#29
Cyclohexane
Concen: 49.725 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 56 Resp: 167060

Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.0	37.6
84	89.8	71.6	107.4

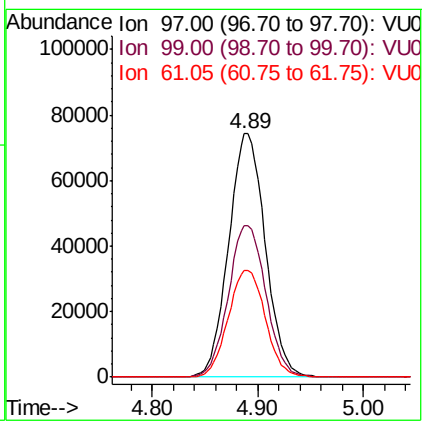


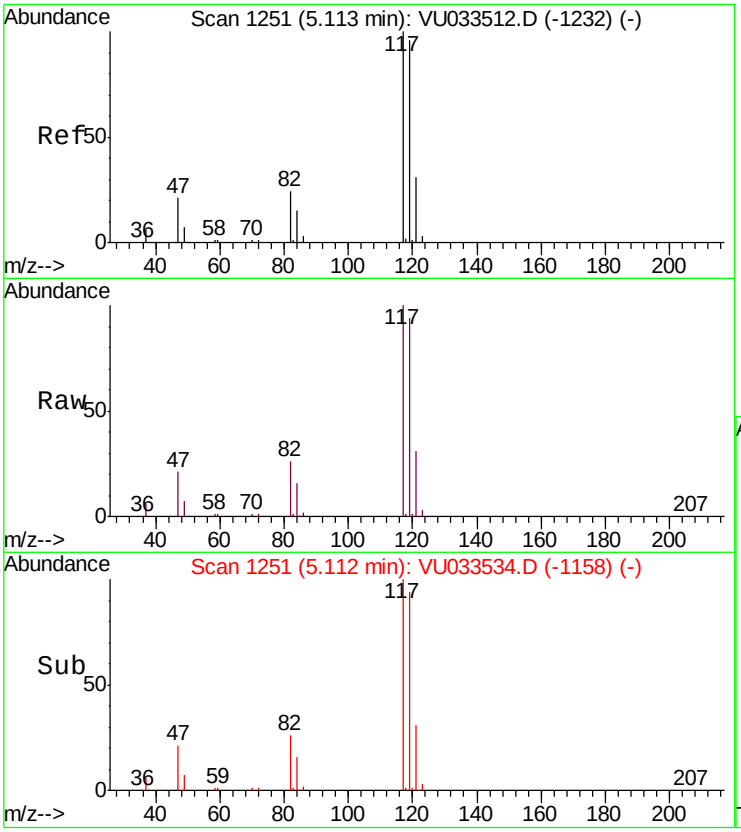


#30
1,1,1-Trichloroethane
Concen: 50.561 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 97 Resp: 179188

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	44.4	35.5	53.3



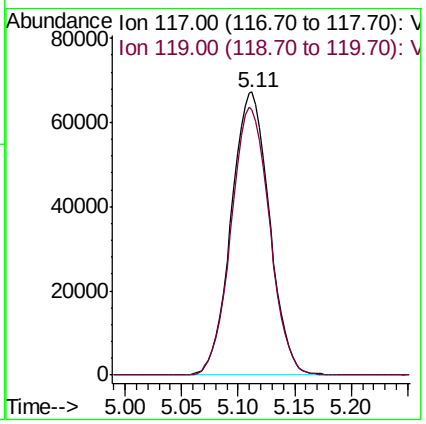


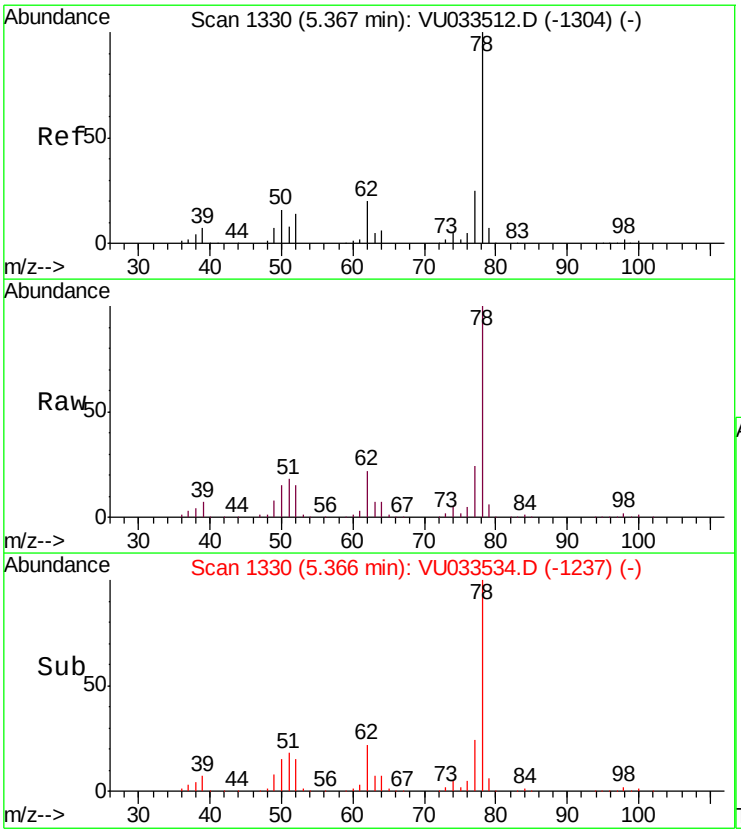
#31
Carbon tetrachloride
Concen: 51.153 ug/L
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion:117 Resp: 157874

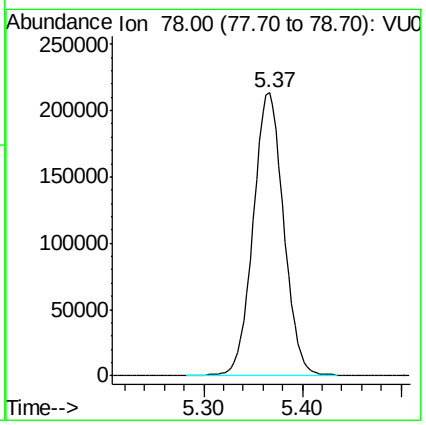
Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.0	115.4

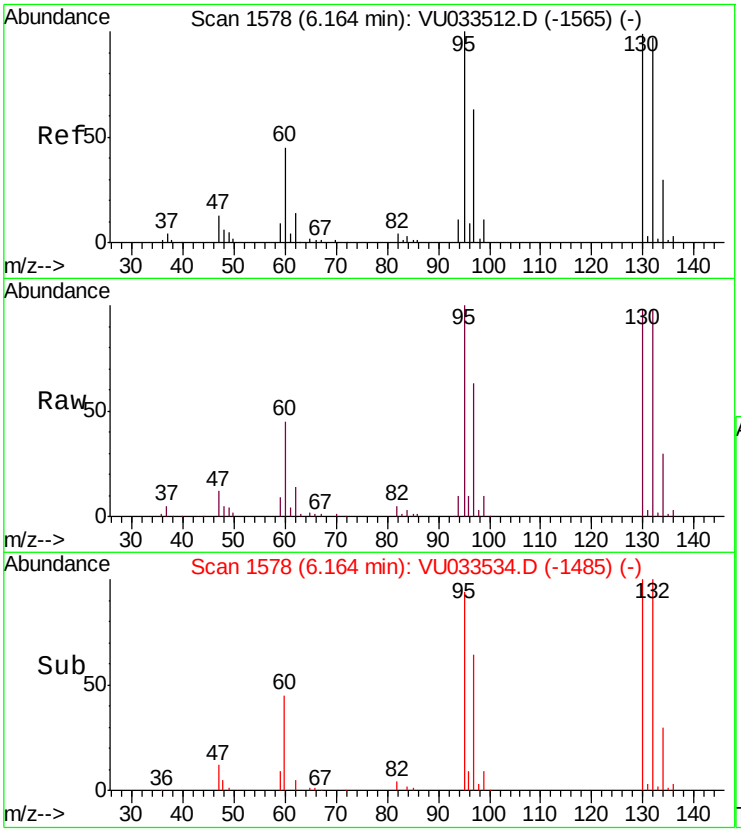




#33
Benzene
Concen: 51.222 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 78 Resp: 455137



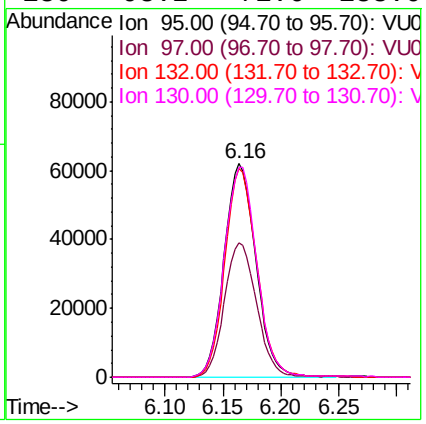


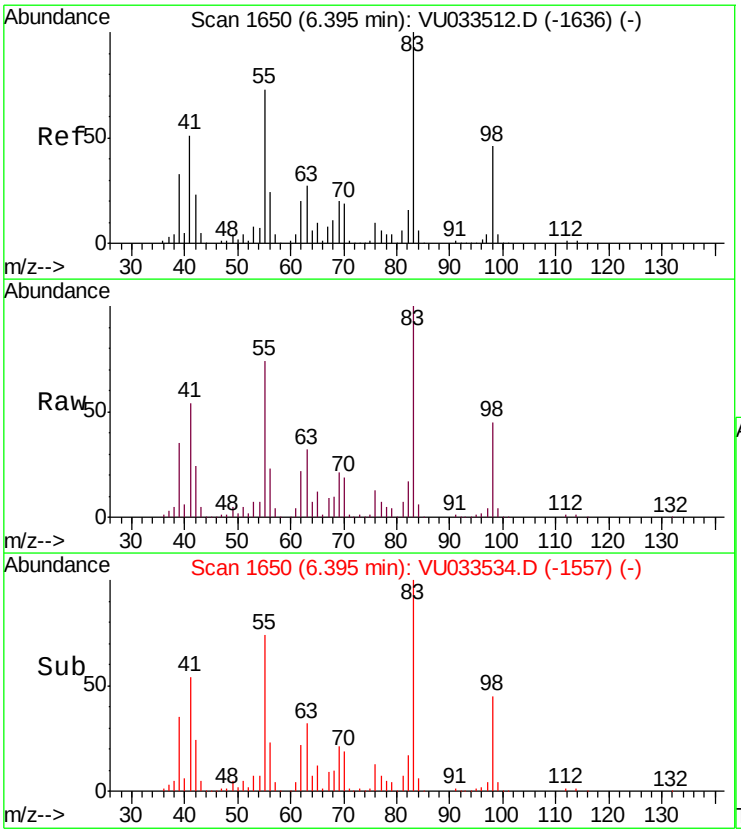
#34
Trichloroethene
Concen: 50.489 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 95 Resp: 118340

Ion	Ratio	Lower	Upper
95	100		
97	62.8	44.7	83.1
132	97.7	66.8	124.0
130	98.2	71.6	133.0





#35
Methylcyclohexane
Concen: 49.615 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU033534.D
Acq: 31 Jul 2019 18:46

Tgt Ion: 83 Resp: 181472

Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.2	90.4
98	46.9	36.5	54.7