Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020520\

Quantitation Report (Not Reviewed)

Data File : VW014886.D
Acq On : 06 Feb 2020 01:29
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD02514

Quant Time: Feb 06 03:02:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 06 02:59:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	913200	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	836888	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	385704	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	364679	24.12	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.48%			
7) Chloroethane-d5	2.89	69	305321	25.23	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.92%			
10) 1,1-Dichloroethene-d2	4.03	63	655857	23.74	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 94.96%			
20) 2-Butanone-d5	7.07	46	173759	40.95	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 81.90%			
24) Chloroform-d	7.65	84	657877	25.37	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.48%			
26) 1,2-Dichloroethane-d4	8.30	65	345290	24.06	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.24%			
29) Benzene-d6	8.27	84	1325762	24.63	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 98.52%			
33) 1,2-Dichloropropane-d6	9.27	67	431455	24.60	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.40%			
37) Toluene-d8	10.32	98	1172479	24.76	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 99.04%			
38) trans-1,3-Dichloropropene-	10.57	79	154110	22.25	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 89.00%			
39) 2-Hexanone-d5	10.92	63	135202	42.29	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 84.58%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	294350	22.29	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 89.16%			
61) 1,2-Dichlorobenzene-d4	13.85	152	360250	24.09	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	207870	22.141	ug/L	98
3) Chloromethane	2.21	50	346784	24.377	ug/L	99
5) Vinyl chloride	2.37	62	454247	24.455	ug/L	100
6) Bromomethane	2.78	94	230599	24.827	ug/L	99
8) Chloroethane	2.92	64	256116	25.201	ug/L	98
9) Trichlorofluoromethane	3.26	101	150023	19.980	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	321913	24.287	ug/L	99
12) 1,1-Dichloroethene	4.04	96	315995	24.393	ug/L	92
13) Acetone	4.12	43	137417	31.378	ug/L	100
14) Carbon disulfide	4.38	76	949331	24.407	ug/L	100
15) Methyl Acetate	4.67	43	155603	21.592	ug/L	100
16) Methylene chloride	4.92	84	371152	22.309	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	401700	23.736	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	331243	25.237	ug/L	95
19) 1,1-Dichloroethane	6.21	63	697445	26.229	ug/L	99
21) 2-Butanone	7.16	43	202905	39.573	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	362940	25.565	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020520\

Quantitation Report (Not Reviewed)

Data File : VW014886.D
Acq On : 06 Feb 2020 01:29
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD02514

Quant Time: Feb 06 03:02:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 06 02:59:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	142946	24.542	ug/L	96
25) Chloroform	7.67	83	646007	26.448	ug/L	99
27) 1,2-Dichloroethane	8.40	62	420056	24.944	ug/L	100
30) Cyclohexane	7.95	56	601937	24.139	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	472909	24.783	ug/L	98
32) Carbon tetrachloride	8.06	117	412159	24.028	ug/L	99
34) Benzene	8.32	78	1488667	25.868	ug/L	100
35) Trichloroethene	9.09	95	355746	24.938	ug/L	99
36) Methylcyclohexane	9.33	83	589849	23.738	ug/L	98
40) 1,2-Dichloropropane	9.37	63	401019	26.040	ug/L	100
41) Bromodichloromethane	9.64	83	451284	25.569	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	542654	24.815	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	455541	45.111	ug/L	99
44) Toluene	10.38	91	1522136	26.054	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	427243	24.261	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	244027	24.070	ug/L	99
47) Tetrachloroethene	10.86	164	248895	23.746	ug/L	100
49) 2-Hexanone	10.96	43	311634	43.934	ug/L	99
50) Dibromochloromethane	11.13	129	263986	24.228	ug/L	100
51) 1,2-Dibromoethane	11.23	107	218472	23.161	ug/L	100
52) Chlorobenzene	11.65	112	903007	25.281	ug/L	97
53) Ethylbenzene	11.73	91	1674851	26.205	ug/L	99
54) m,p-Xylene	11.83	106	613043	26.259	ug/L	97
55) o-xylene	12.16	106	592343	26.659	ug/L	97
56) Styrene	12.18	104	1013684	26.994	ug/L	99
57) Isopropylbenzene	12.46	105	1566859	26.258	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	294063	23.238	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	216209	22.710	ug/L	100
62) Bromoform	12.35	173	135829	23.101	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	663310	25.459	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	658047	25.074	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	602978	25.303	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	45736	22.509	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	474594	25.434	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	375283	25.455	ug/L	98
69) Naphthalene	15.36	128	722671	24.919	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	345127	25.353	ug/L	99

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

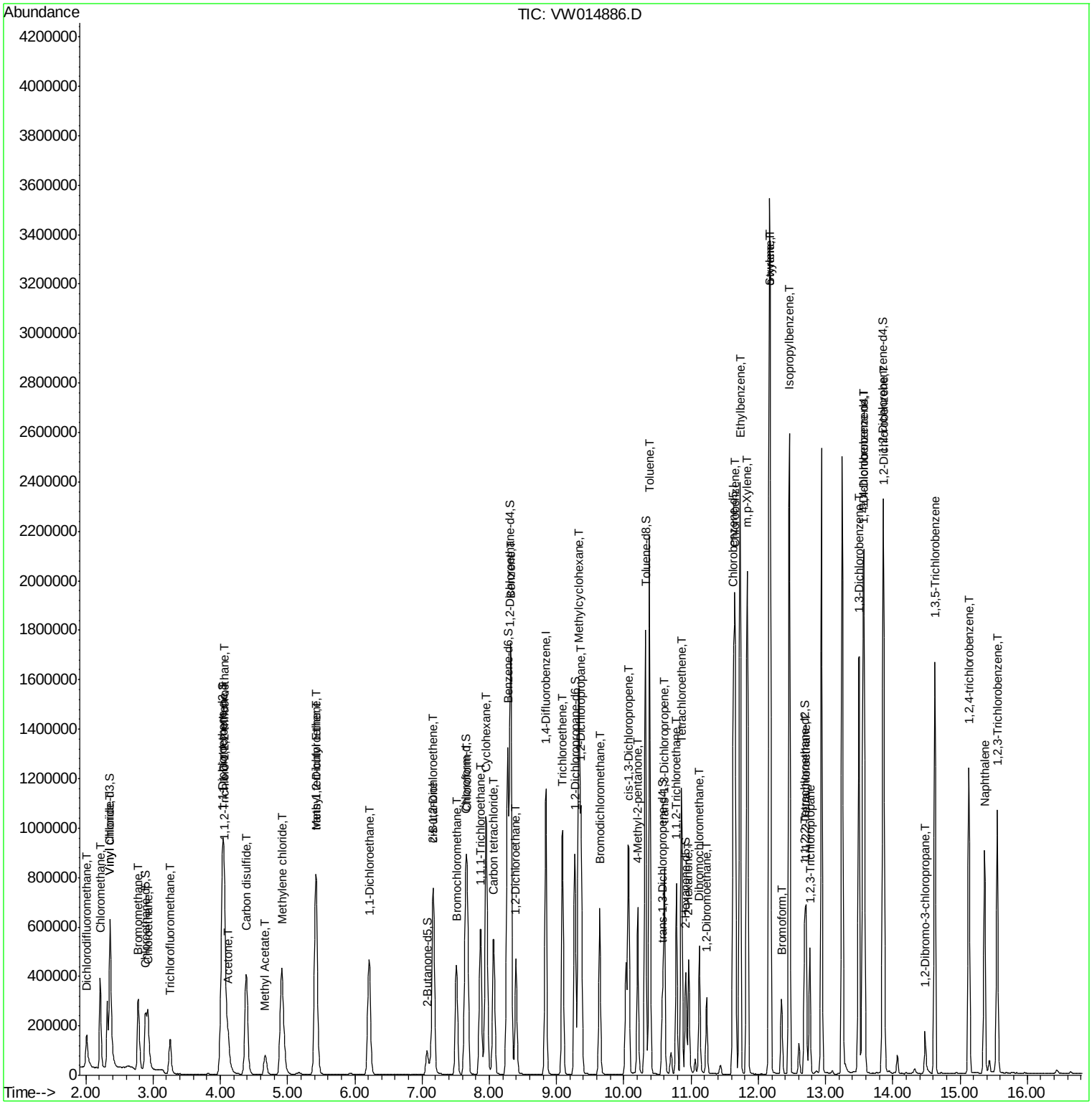
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020520\

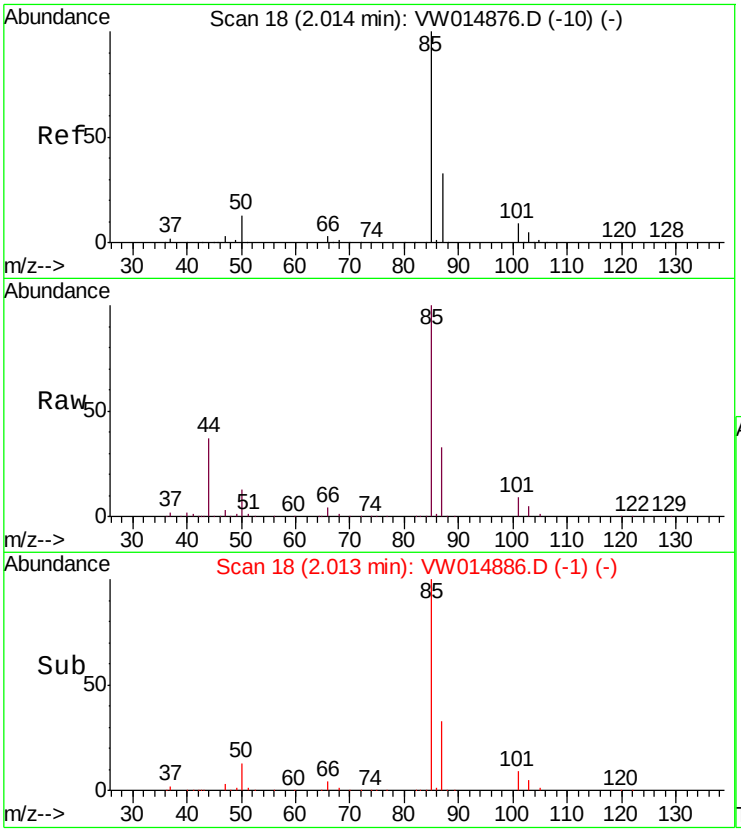
Quantitation Report (Not Reviewed)

Data File : VW014886.D
Acq On : 06 Feb 2020 01:29
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD02514

Quant Time: Feb 06 03:02:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 06 02:59:09 2020
Response via : Initial Calibration



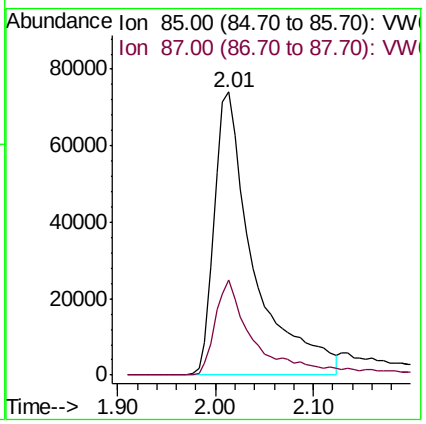


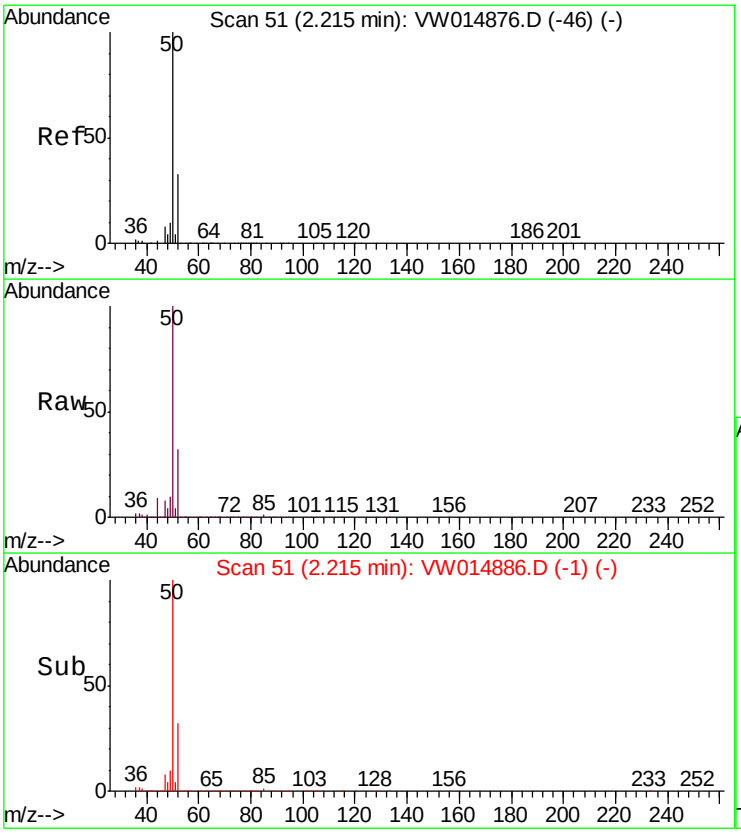
#2
Dichlorodifluoromethane
Concen: 22.141 ug/L
RT: 2.01 min Scan# 18
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Tgt Ion: 85 Resp: 207870

Ion	Ratio	Lower	Upper
85	100		
87	27.0	18.1	33.7

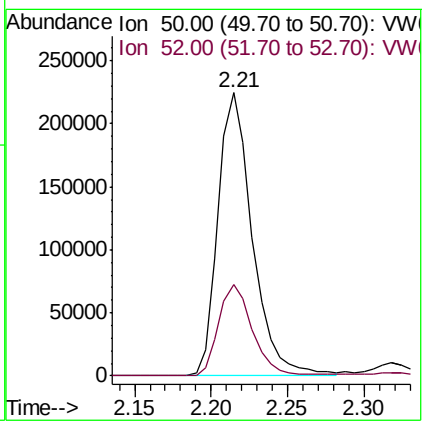


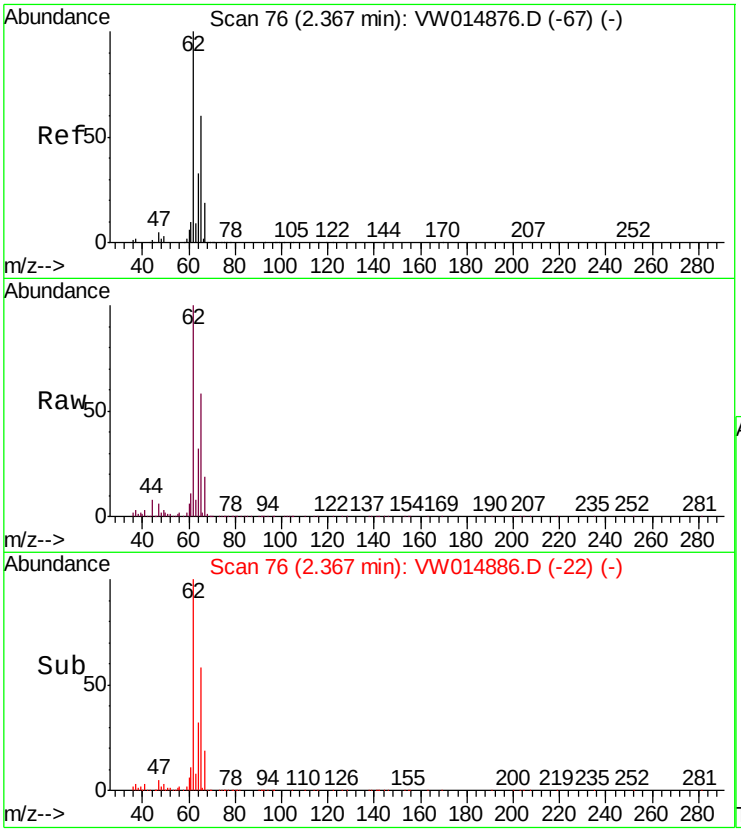


#3
Chloromethane
Concen: 24.377 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion: 50 Resp: 346784

Ion	Ratio	Lower	Upper
50	100		
52	32.3	22.1	41.1



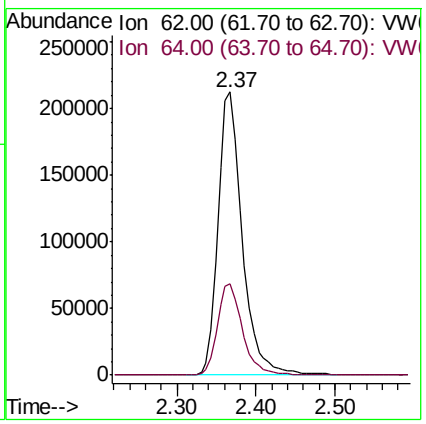


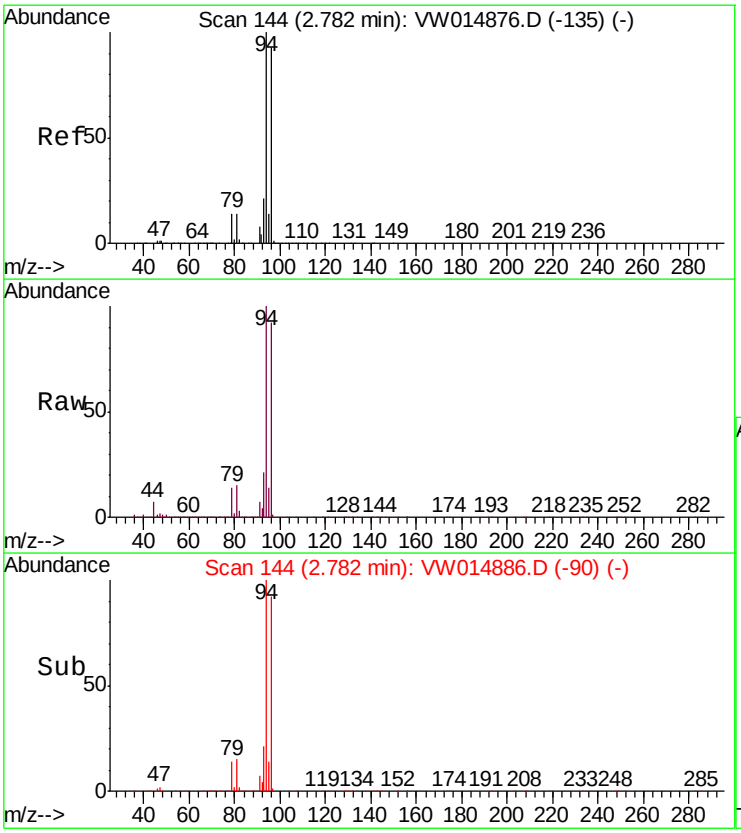
#5
Vinyl chloride
Concen: 24.455 ug/L
RT: 2.37 min Scan# 76
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Tgt Ion: 62 Resp: 454247

Ion	Ratio	Lower	Upper
62	100		
64	32.4	22.5	41.9

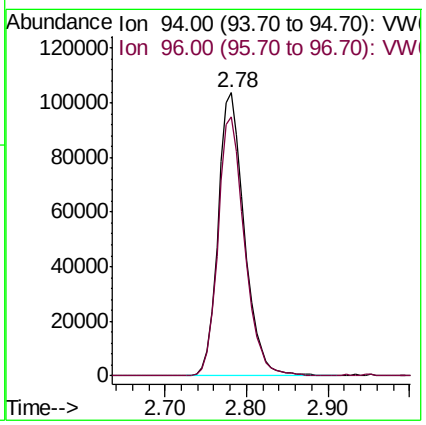


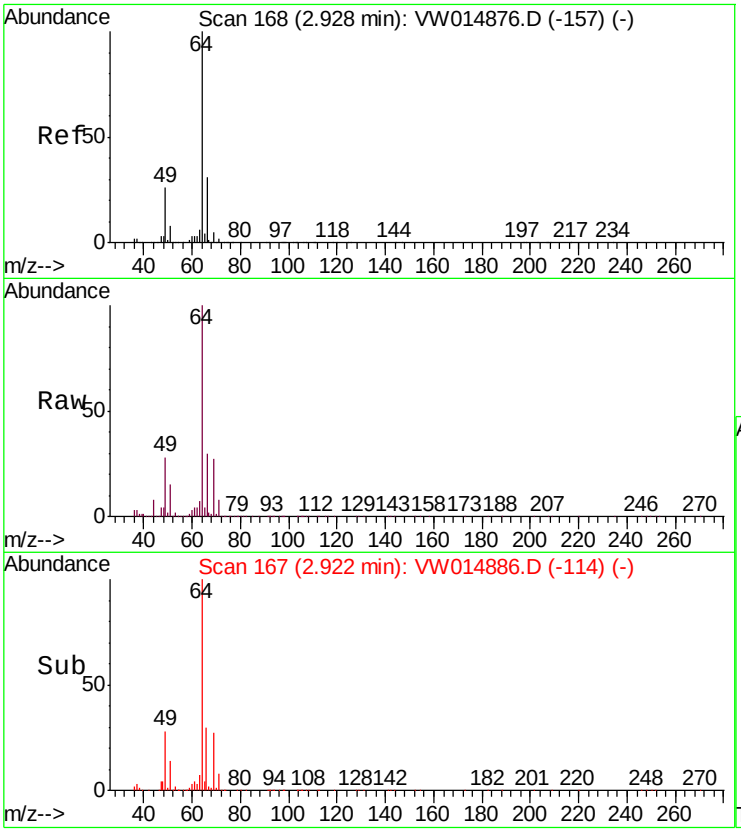


#6
Bromomethane
Concen: 24.827 ug/L
RT: 2.78 min Scan# 144
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion: 94 Resp: 230599

Ion	Ratio	Lower	Upper
94	100		
96	92.6	9.4	178.0



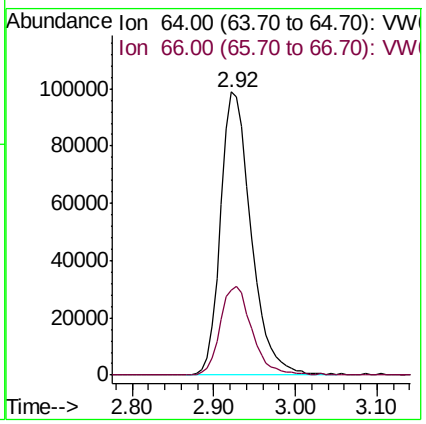


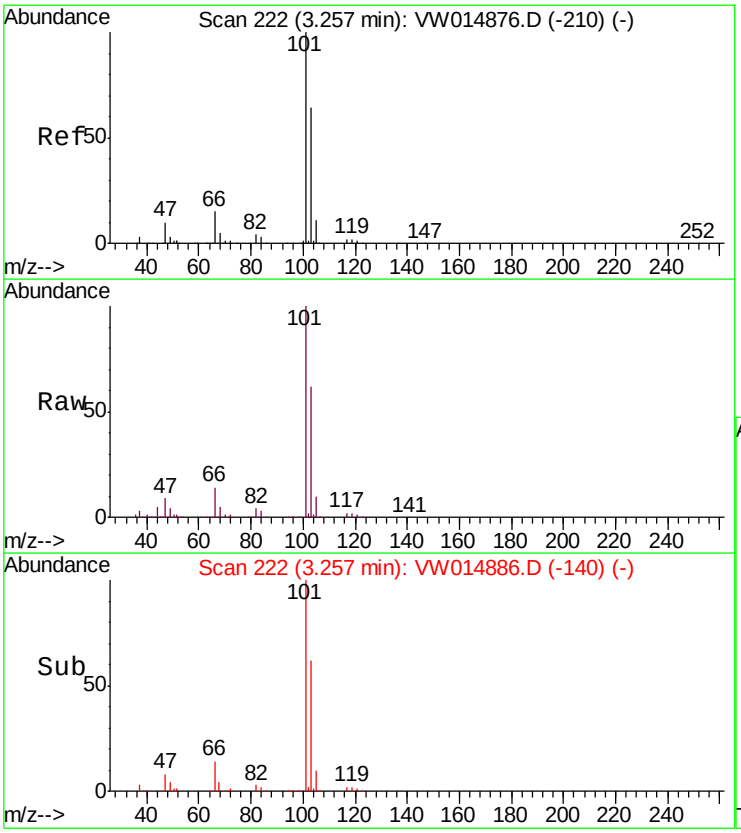
#8
Chloroethane
Concen: 25.201 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Tgt Ion: 64 Resp: 256116

Ion	Ratio	Lower	Upper
64	100		
66	30.1	21.9	40.7

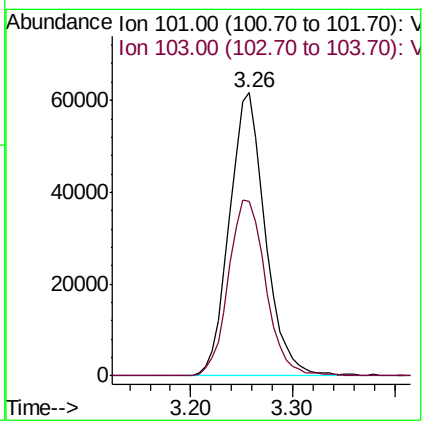


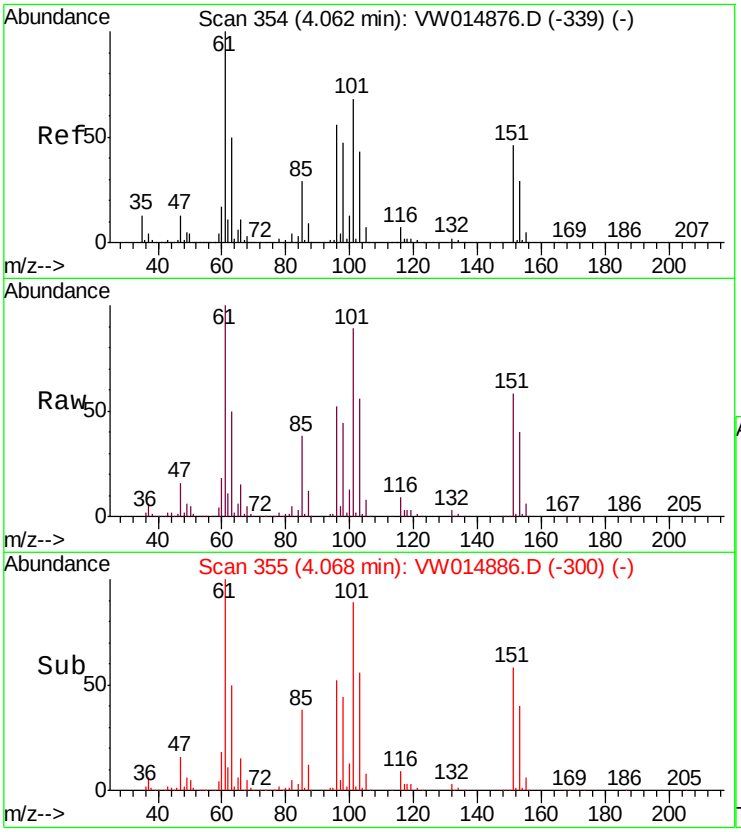


#9
Trichlorofluoromethane
Concen: 19.980 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion:101 Resp: 150023

Ion	Ratio	Lower	Upper
101	100		
103	64.7	45.8	85.0



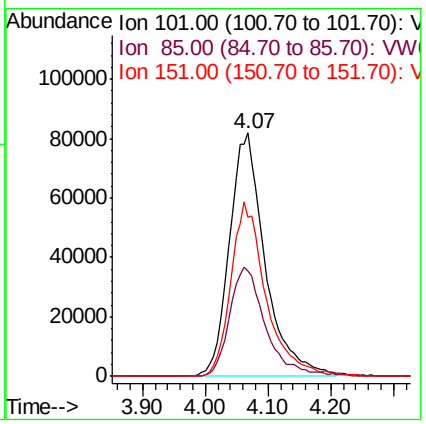


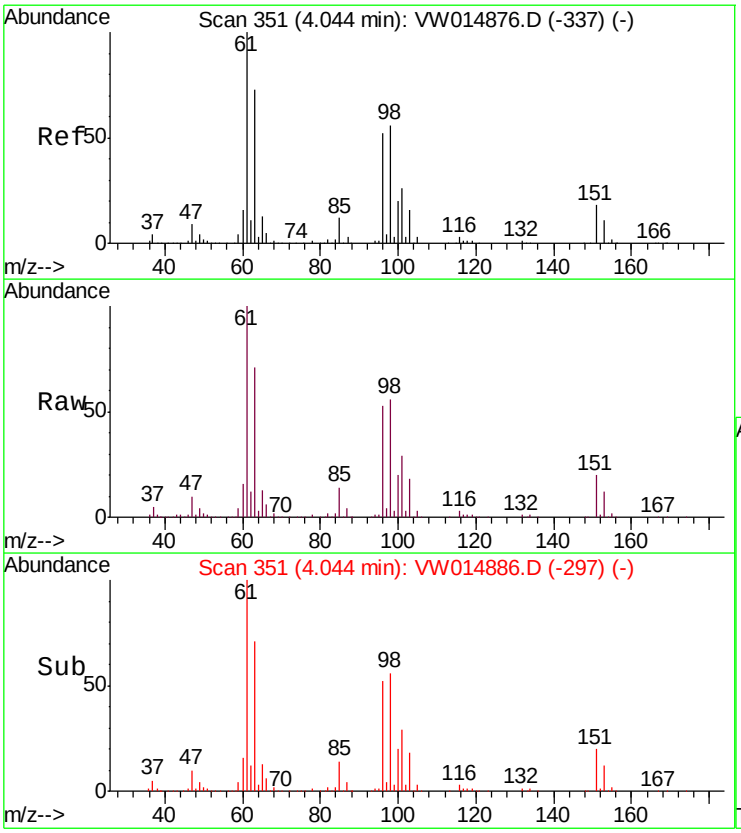
#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 24.287 ug/L
RT: 4.07 min Scan# 355
Delta R.T. 0.01 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Tgt Ion:101 Resp: 321913

Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.8	52.2
151	70.2	56.3	84.5

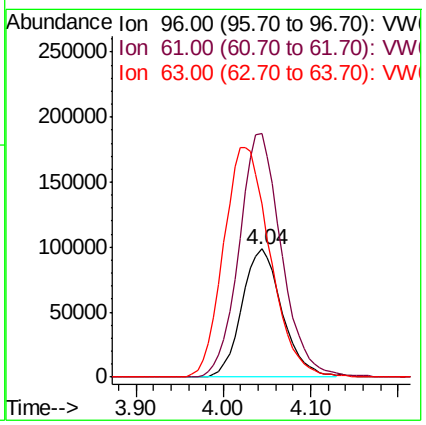


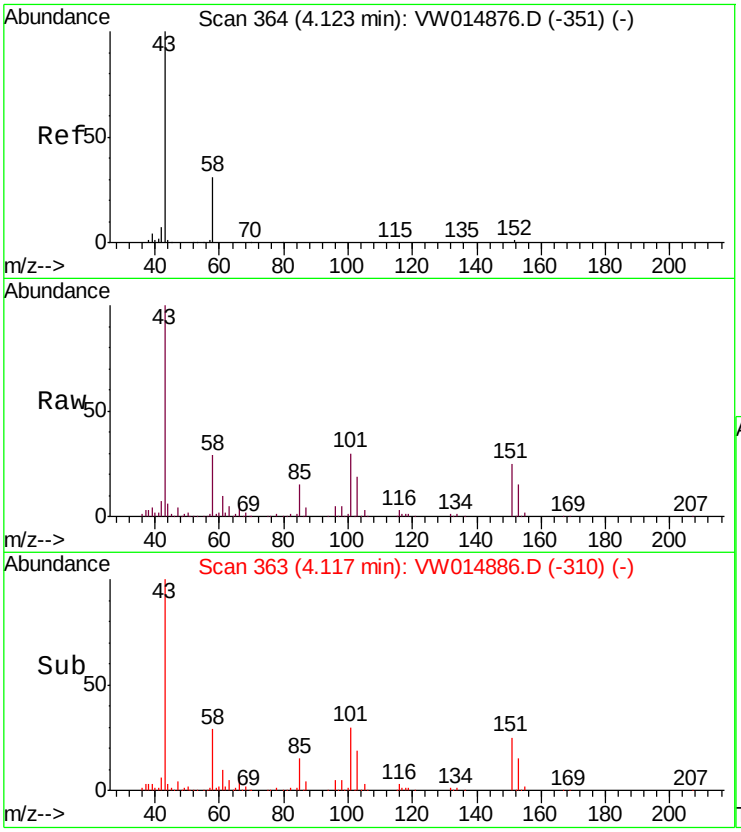


#12
1,1-Dichloroethene
Concen: 24.393 ug/L
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion: 96 Resp: 315995

Ion	Ratio	Lower	Upper
96	100		
61	190.4	134.7	250.1
63	135.3	110.2	204.8



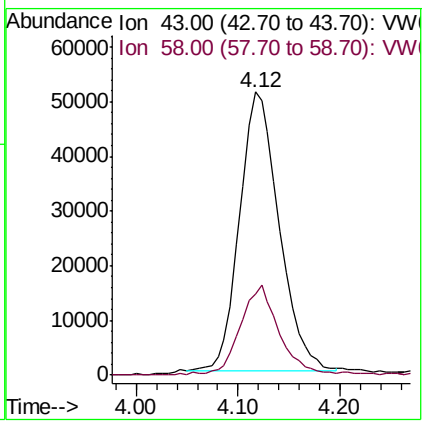


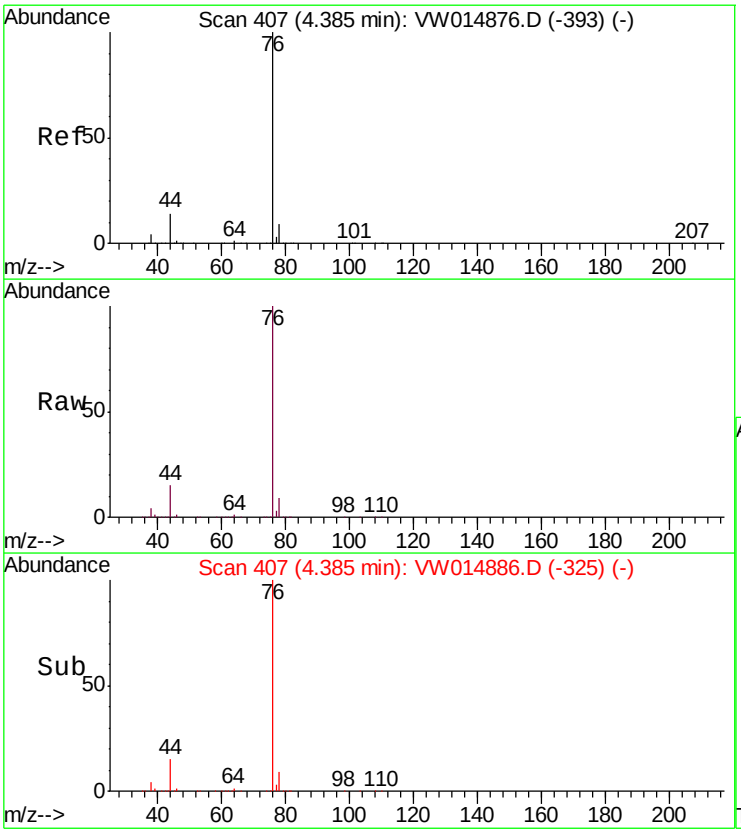
#13
Acetone
Concen: 31.378 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument : MSVOA_W
ClientSampleId : VSTD02514

Tgt Ion: 43 Resp: 137417

Ion	Ratio	Lower	Upper
43	100		
58	30.0	0.0	60.4

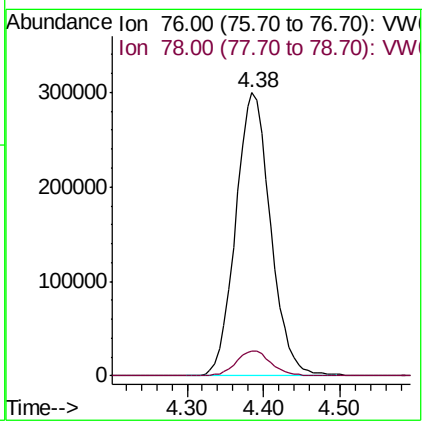


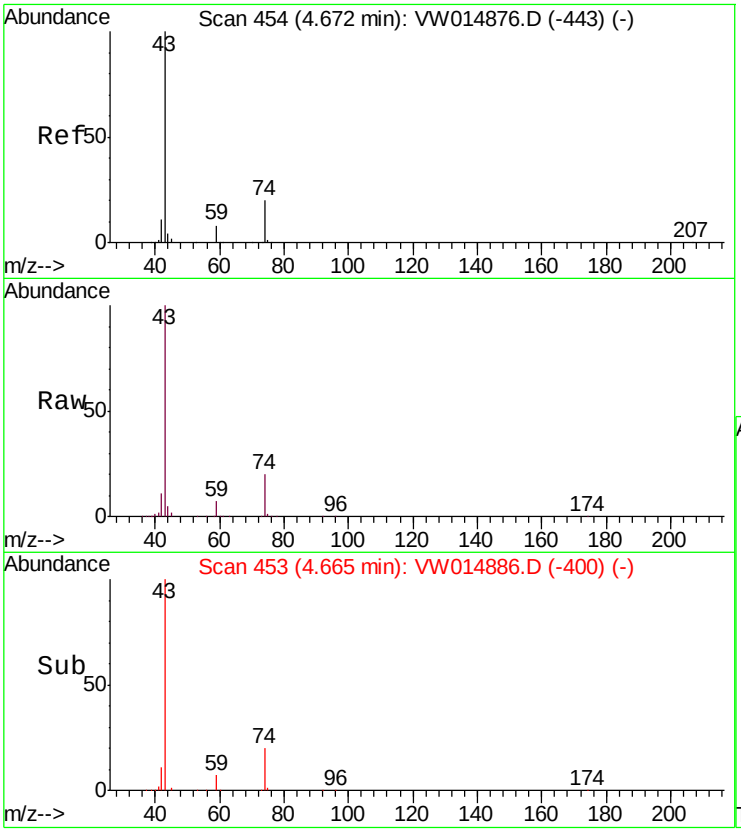


#14
Carbon disulfide
Concen: 24.407 ug/L
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion: 76 Resp: 949331

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6



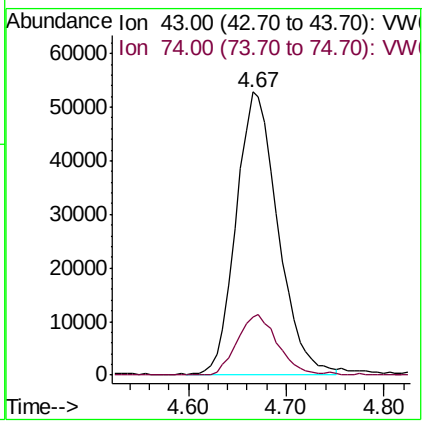


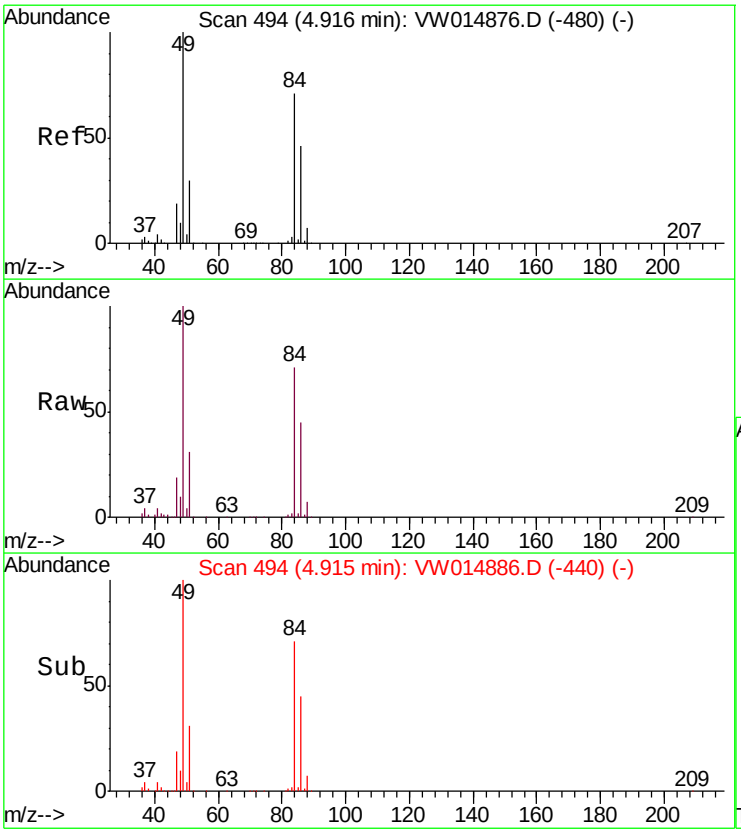
#15
Methyl Acetate
Concen: 21.592 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument : MSVOA_W
ClientSampleId : VSTD02514

Tgt Ion: 43 Resp: 155603

Ion	Ratio	Lower	Upper
43	100		
74	20.7	16.5	24.7

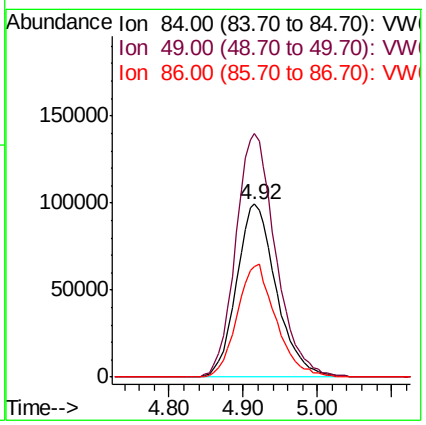


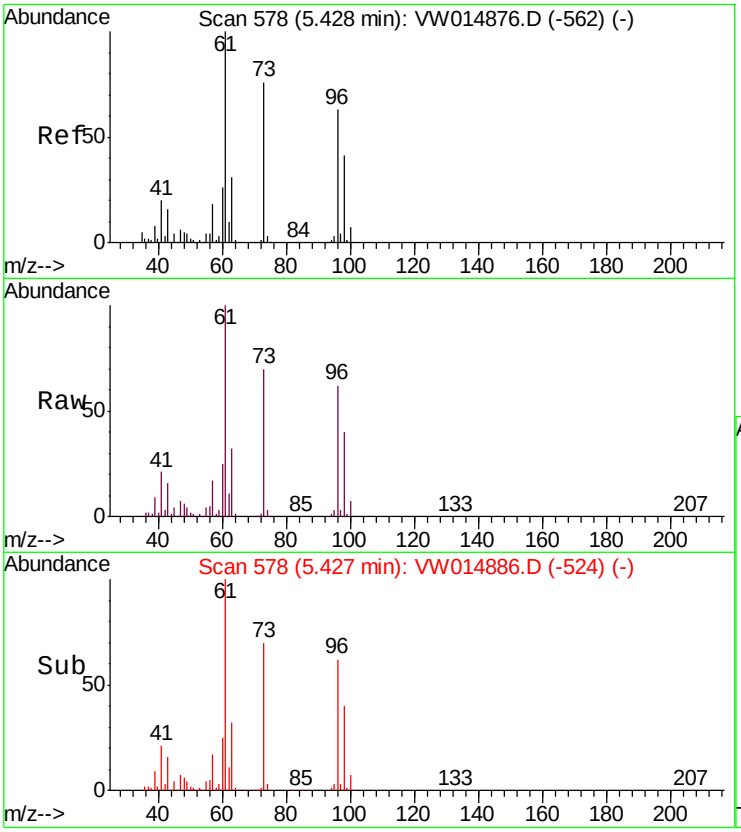


#16
Methylene chloride
Concen: 22.309 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion: 84 Resp: 371152

Ion	Ratio	Lower	Upper
84	100		
49	140.9	95.8	177.8
86	63.9	44.2	82.2



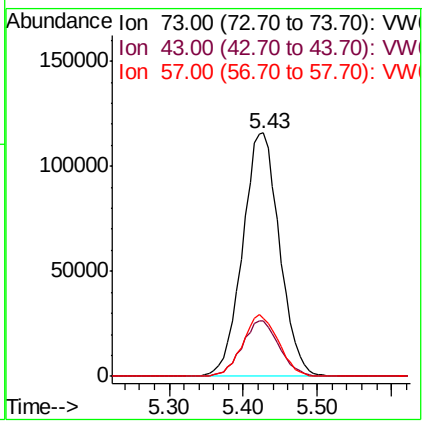


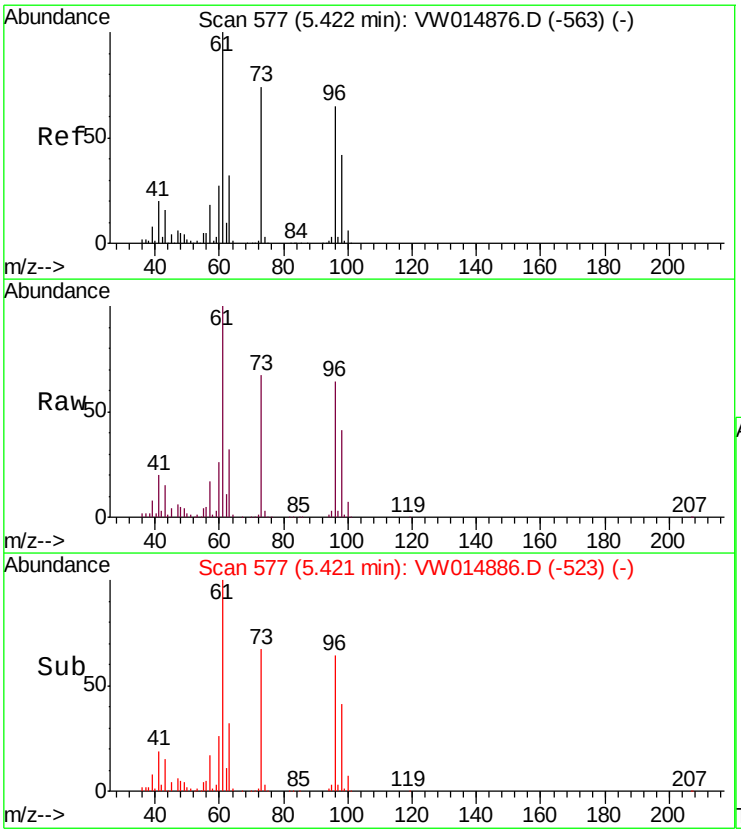
#17
Methyl tert-butyl Ether
Concen: 23.736 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument : MSVOA_W
ClientSampleId : VSTD02514

Tgt Ion: 73 Resp: 401700

Ion	Ratio	Lower	Upper
73	100		
43	22.7	17.5	26.3
57	24.6	19.4	29.0

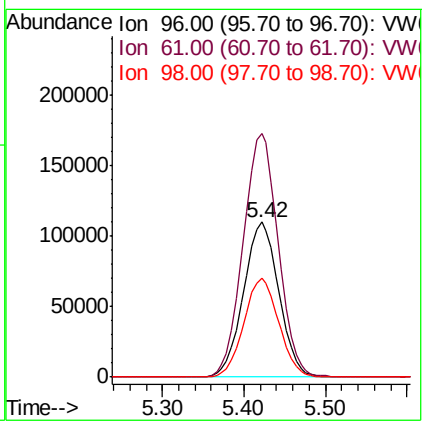


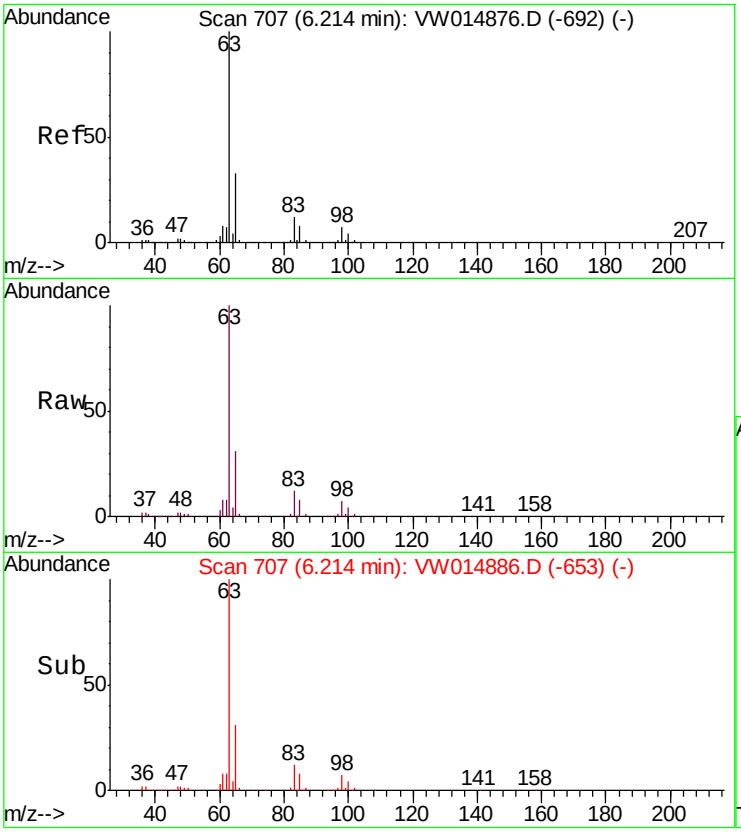


#18
trans-1,2-Dichloroethene
Concen: 25.237 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion: 96 Resp: 331243

Ion	Ratio	Lower	Upper
96	100		
61	157.1	104.4	194.0
98	63.8	43.8	81.3



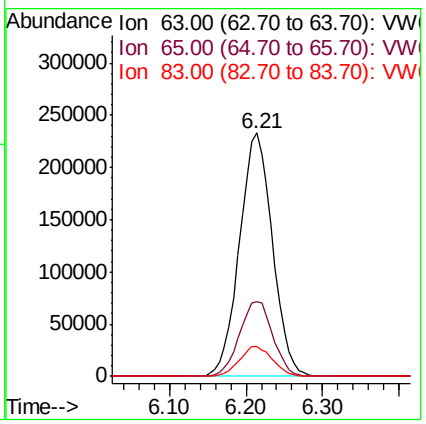


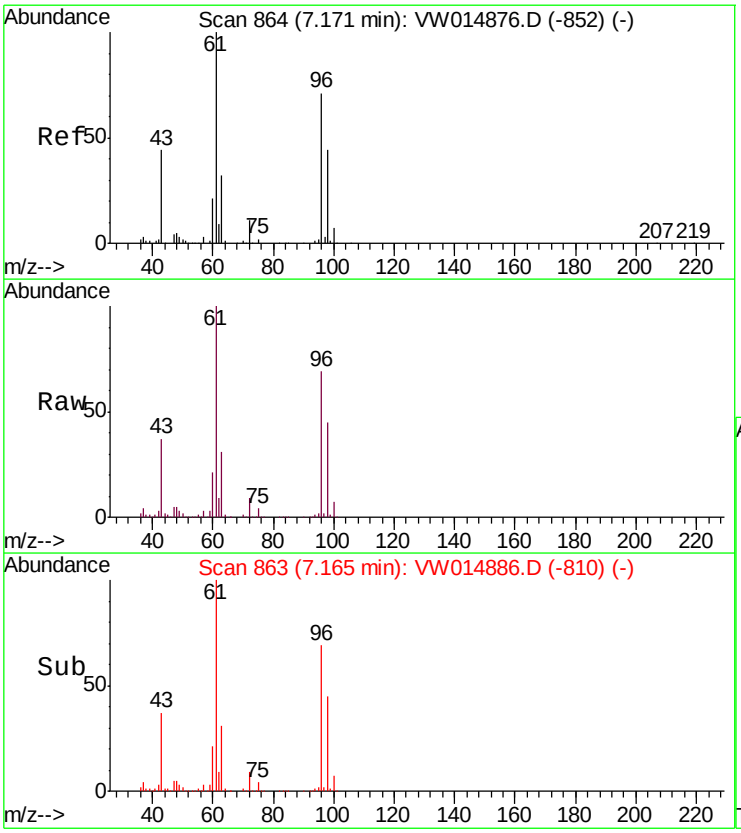
#19
1,1-Dichloroethane
Concen: 26.229 ug/L
RT: 6.21 min Scan# 707
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument : MSVOA_W
ClientSampleId : VSTD02514

Tgt Ion: 63 Resp: 697445

Ion	Ratio	Lower	Upper
63	100		
65	30.5	21.5	39.9
83	12.0	8.8	16.3

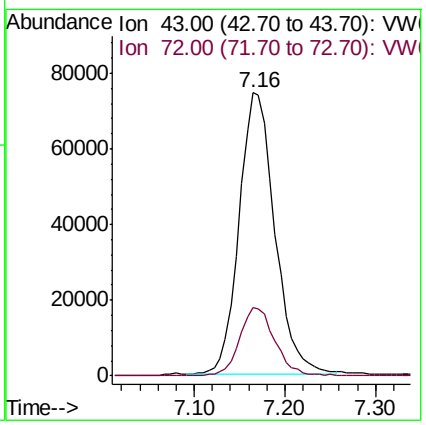


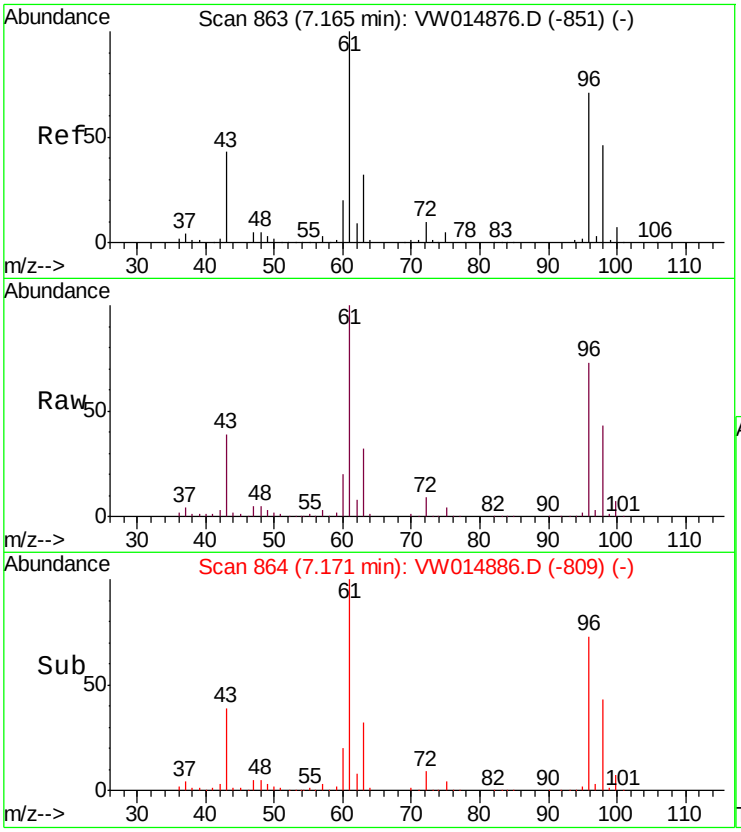


#21
2-Butanone
Concen: 39.573 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion: 43 Resp: 202905

Ion	Ratio	Lower	Upper
43	100		
72	23.9	11.9	35.5



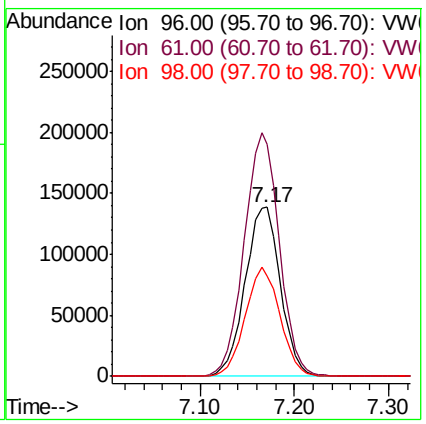


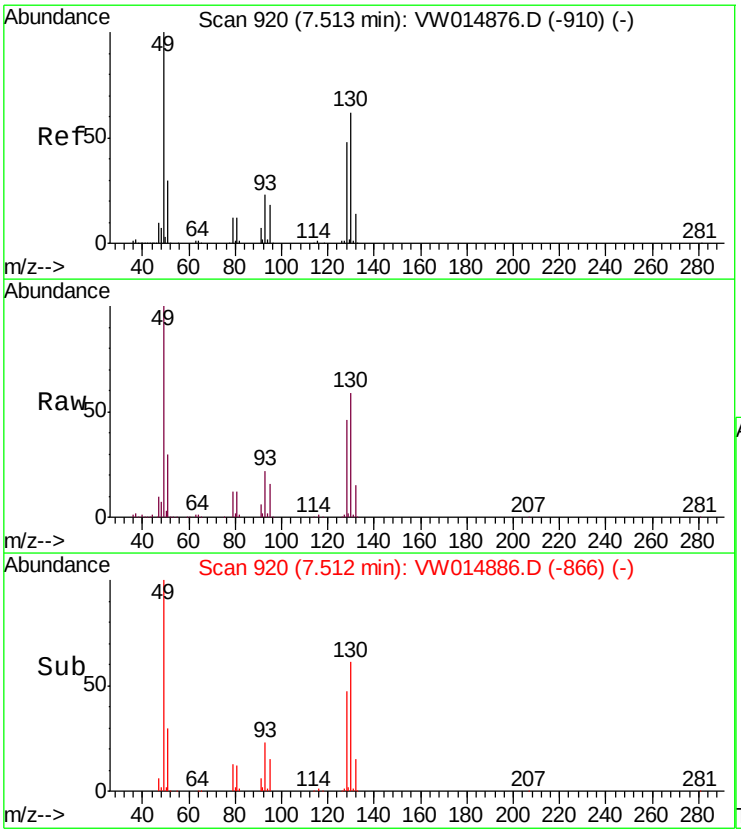
#22
cis-1,2-Dichloroethene
Concen: 25.565 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument : MSVOA_W
ClientSampleId : VSTD02514

Tgt Ion: 96 Resp: 362940

Ion	Ratio	Lower	Upper
96	100		
61	137.5	98.6	183.0
98	59.3	44.2	82.2

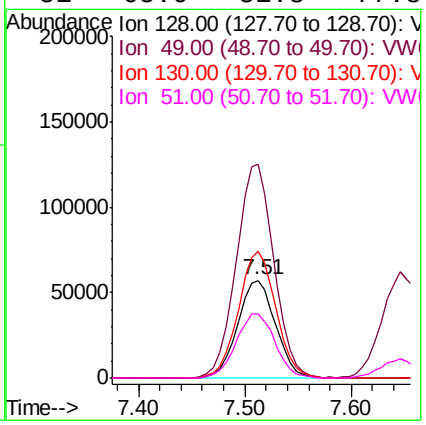


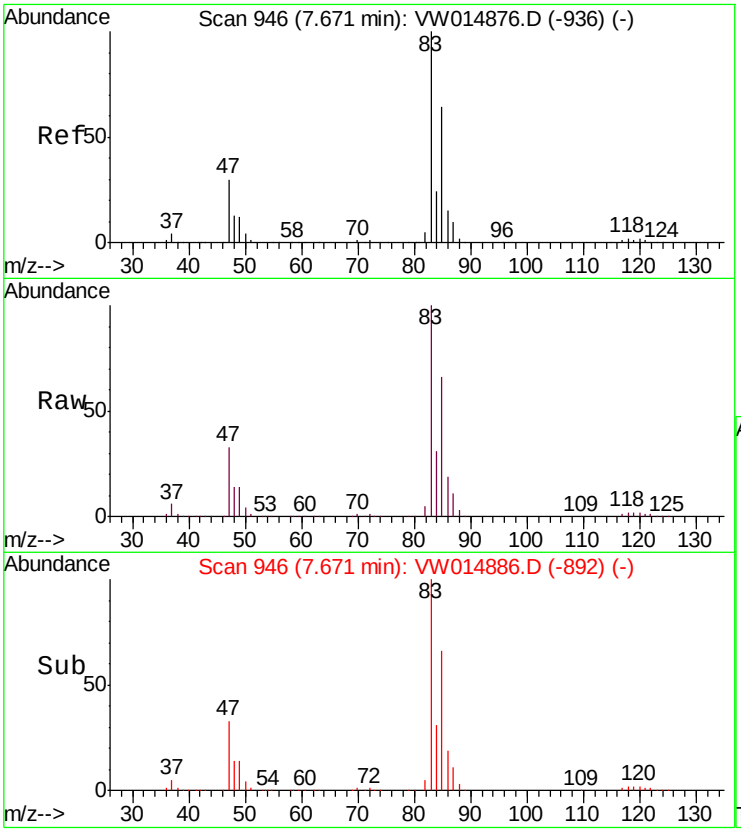


#23
Bromochloromethane
Concen: 24.542 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion:128 Resp: 142946

Ion	Ratio	Lower	Upper
128	100		
49	218.3	146.0	271.2
130	129.1	90.9	168.9
51	65.0	51.8	77.8



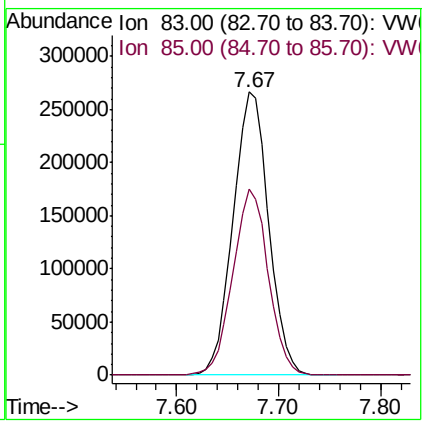


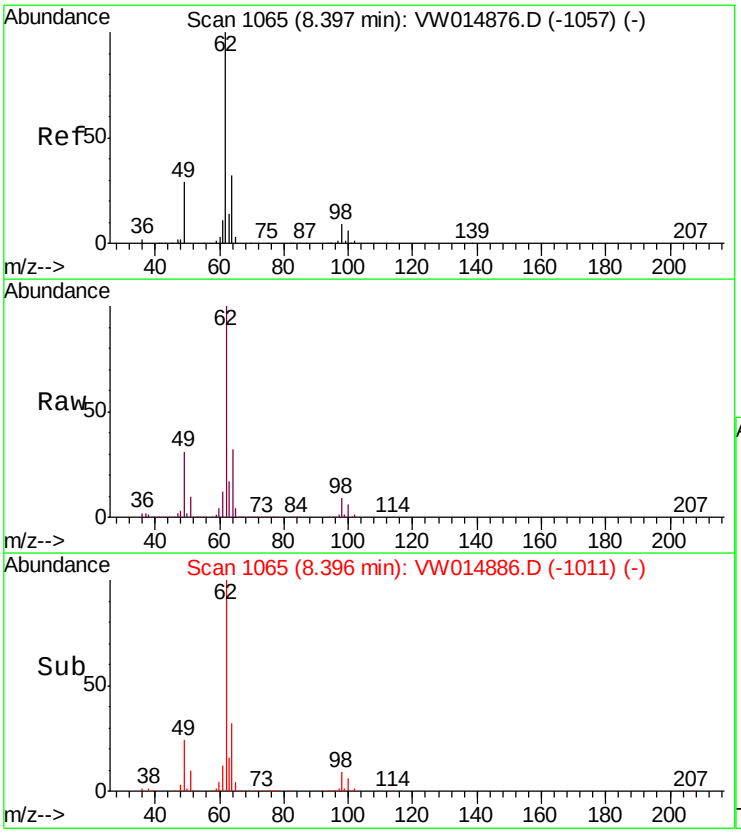
#25
Chloroform
Concen: 26.448 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Tgt Ion: 83 Resp: 646007

Ion	Ratio	Lower	Upper
83	100		
85	65.5	45.4	84.4

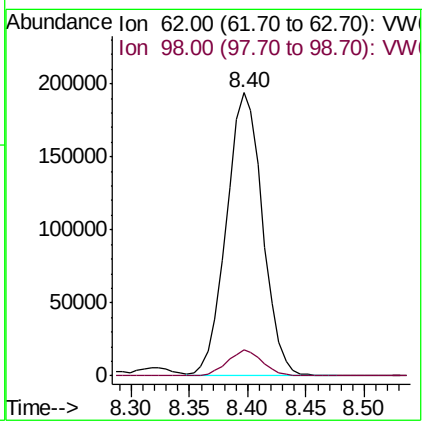


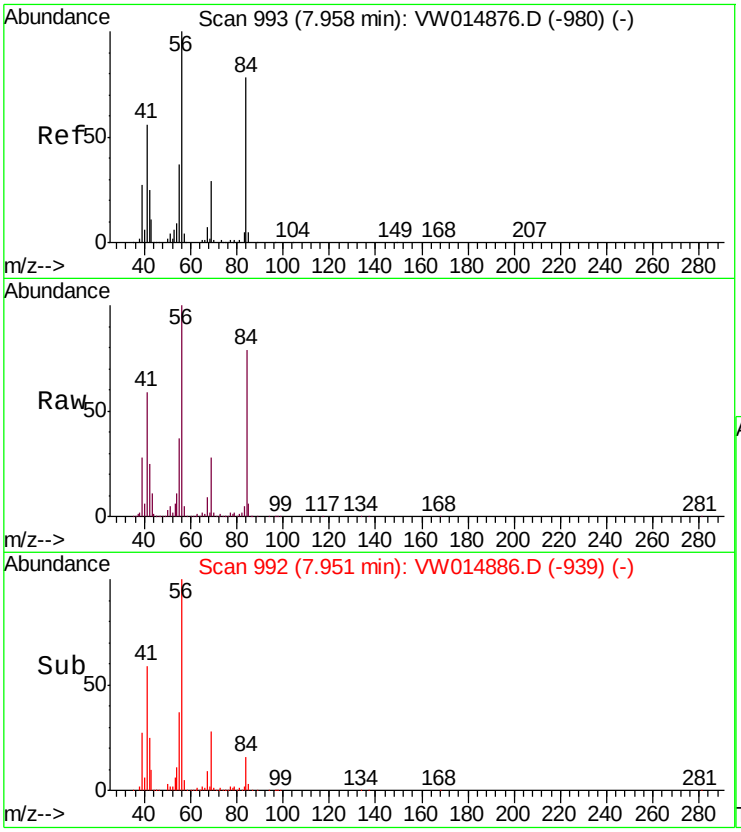


#27
1,2-Dichloroethane
Concen: 24.944 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion: 62 Resp: 420056

Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.2	10.8



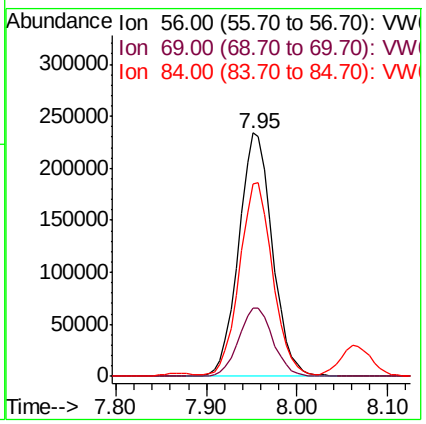


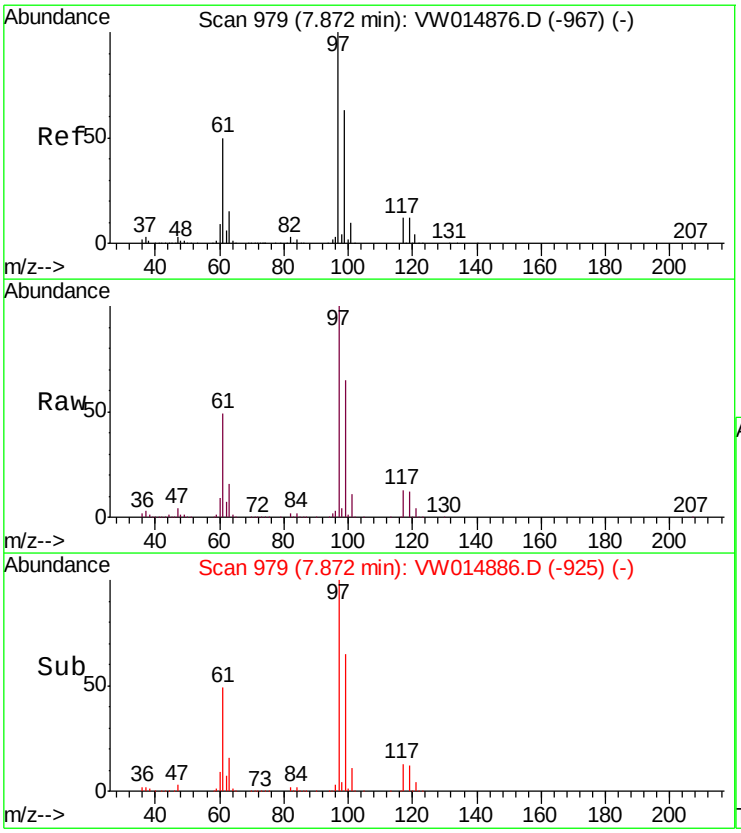
#30
Cyclohexane
Concen: 24.139 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument : MSVOA_W
ClientSampleId : VSTD02514

Tgt Ion: 56 Resp: 601937

Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.9	34.3
84	78.8	63.8	95.6

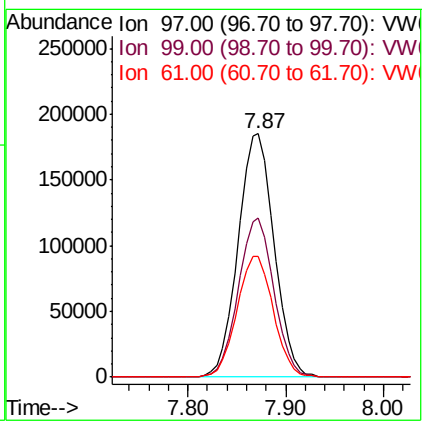


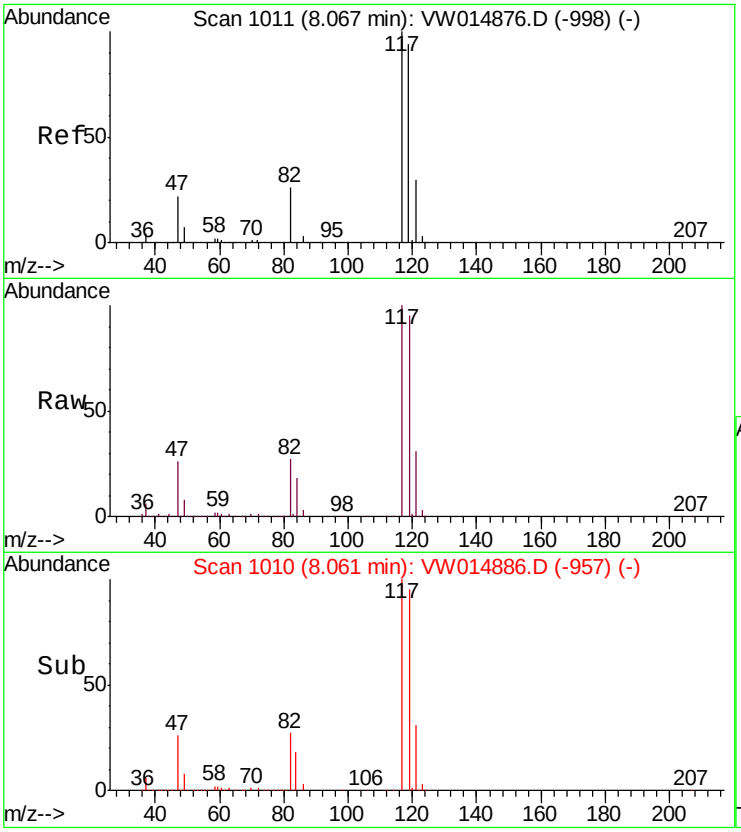


#31
1,1,1-Trichloroethane
Concen: 24.783 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion: 97 Resp: 472909

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	50.1	38.9	58.3



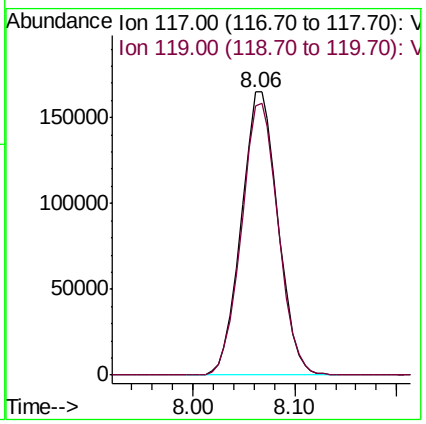


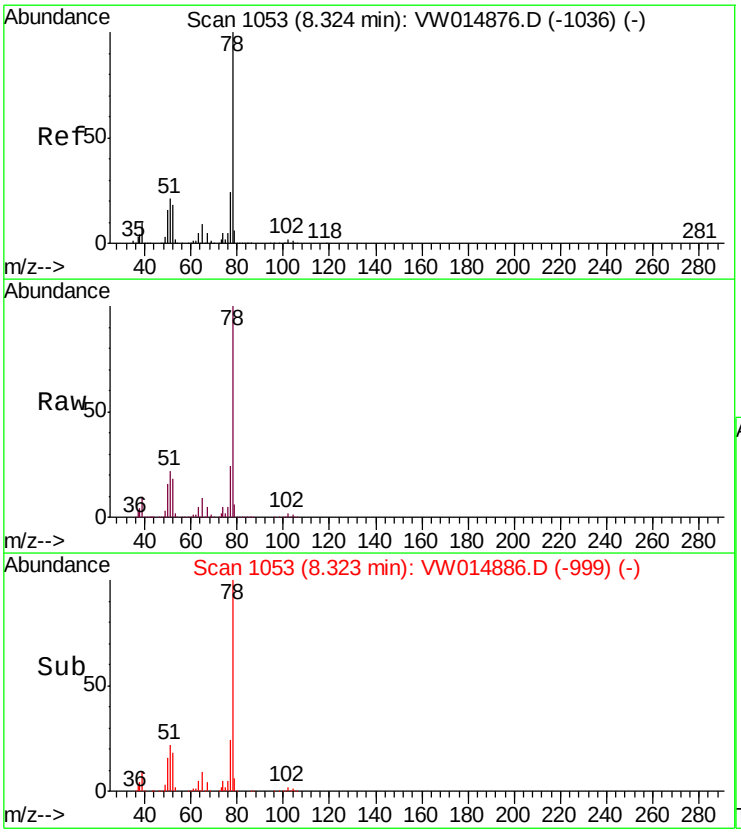
#32
Carbon tetrachloride
Concen: 24.028 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Tgt Ion:117 Resp: 412159

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.3	114.5





#34
Benzene
Concen: 25.868 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW014886.D
Acq: 06 Feb 2020 01:29

Tgt Ion: 78 Resp: 1488667