Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052620\

Quantitation Report (Not Reviewed)

Data File : VW015468.D
Acq On : 26 May 2020 11:40
Operator : SY/VA
Sample : VSTD100
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD10001

Quant Time: May 26 12:07:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Tue May 26 11:56:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	380362	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	355993	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	173315	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	339399	71.33	ug/L	0.00
7) Chloroethane-d5	2.89	69	346276	75.48	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	832491	86.02	ug/L	0.00
20) 2-Butanone-d5	7.08	46	255408	200.93	ug/L	0.00
24) Chloroform-d	7.65	84	877049	91.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	496839	93.29	ug/L	0.00
29) Benzene-d6	8.27	84	1682527	86.39	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	521842	88.40	ug/L	0.00
37) Toluene-d8	10.33	98	1649972	88.08	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	256961	95.64	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	211961	194.37	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	429445	96.59	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	573060	94.30	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	390069	116.856	ug/L	100
3) Chloromethane	2.22	50	393365	110.128	ug/L	99
5) Vinyl chloride	2.37	62	553861	99.798	ug/L	99
6) Bromomethane	2.78	94	365828	95.810	ug/L	99
8) Chloroethane	2.93	64	343572	92.619	ug/L	98
9) Trichlorofluoromethane	3.26	101	430957	106.516	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	463456	102.809	ug/L	98
12) 1,1-Dichloroethene	4.04	96	457180	100.210	ug/L	96
13) Acetone	4.12	43	188329	195.655	ug/L	98
14) Carbon disulfide	4.38	76	1509477	106.519	ug/L	100
15) Methyl Acetate	4.67	43	212097	100.744	ug/L	100
16) Methylene chloride	4.92	84	452519	83.070	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	724114	97.627	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	495085	100.697	ug/L	98
19) 1,1-Dichloroethane	6.22	63	883707	95.432	ug/L	99
21) 2-Butanone	7.17	43	280036	193.509	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	522247	98.556	ug/L	98
23) Bromochloromethane	7.52	128	232260	105.163	ug/L	97
25) Chloroform	7.68	83	888552	97.058	ug/L	99
27) 1,2-Dichloroethane	8.40	62	614555	98.655	ug/L	99
30) Cyclohexane	7.96	56	861364	92.501	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	769647	96.335	ug/L	100
32) Carbon tetrachloride	8.07	117	723721	99.542	ug/L	100
34) Benzene	8.32	78	1937159	93.011	ug/L	100
35) Trichloroethene	9.09	95	528735	94.735	ug/L	99
36) Methylcyclohexane	9.34	83	934747	94.324	ug/L	100
40) 1,2-Dichloropropane	9.37	63	482469	92.694	ug/L	99
41) Bromodichloromethane	9.65	83	667555	97.162	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	822071	97.807	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	632683	181.427	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052620\

Quantitation Report (Not Reviewed)

Data File : VW015468.D
Acq On : 26 May 2020 11:40
Operator : SY/VA
Sample : VSTD100
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD10001

Quant Time: May 26 12:07:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Tue May 26 11:56:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) Toluene	10.39	91	2171924	95.417	ug/L		100
45) trans-1,3-Dichloropropene	10.61	75	733760	100.173	ug/L		99
46) 1,1,2-Trichloroethane	10.79	97	356174	97.607	ug/L		97
47) Tetrachloroethene	10.87	164	416790	99.546	ug/L		93
49) 2-Hexanone	10.97	43	438491	199.564	ug/L		99
50) Dibromochloromethane	11.13	129	449255	101.768	ug/L		98
51) 1,2-Dibromoethane	11.24	107	353701	101.573	ug/L		100
52) Chlorobenzene	11.66	112	1371856	95.529	ug/L		98
53) Ethylbenzene	11.73	91	2505665	94.385	ug/L		100
54) m,p-Xylene	11.84	106	956074	96.401	ug/L		97
55) o-xylene	12.16	106	921310	96.560	ug/L		98
56) Styrene	12.18	104	1597268	98.049	ug/L		98
57) Isopropylbenzene	12.46	105	2499610	94.838	ug/L		100
58) 1,1,2,2-Tetrachloroethane	12.71	83	431668	99.446	ug/L		97
59) 1,2,3-Trichloropropane	12.77	75	322230	97.739	ug/L		100
62) Bromoform	12.35	173	271022	105.878	ug/L	#	98
63) 1,3-Dichlorobenzene	13.50	146	1045163	94.836	ug/L		95
64) 1,4-Dichlorobenzene	13.58	146	1012027	92.240	ug/L		98
65) 1,2-Dichlorobenzene	13.87	146	909009	93.765	ug/L		100
66) 1,2-Dibromo-3-chloropropan	14.49	75	77350	98.988	ug/L		99
67) 1,3,5-Trichlorobenzene	14.63	180	735389	97.046	ug/L		100
68) 1,2,4-trichlorobenzene	15.13	180	623121	99.589	ug/L		98
69) Naphthalene	15.36	128	1225795	104.394	ug/L		100
70) 1,2,3-Trichlorobenzene	15.56	180	525223	97.432	ug/L		98

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

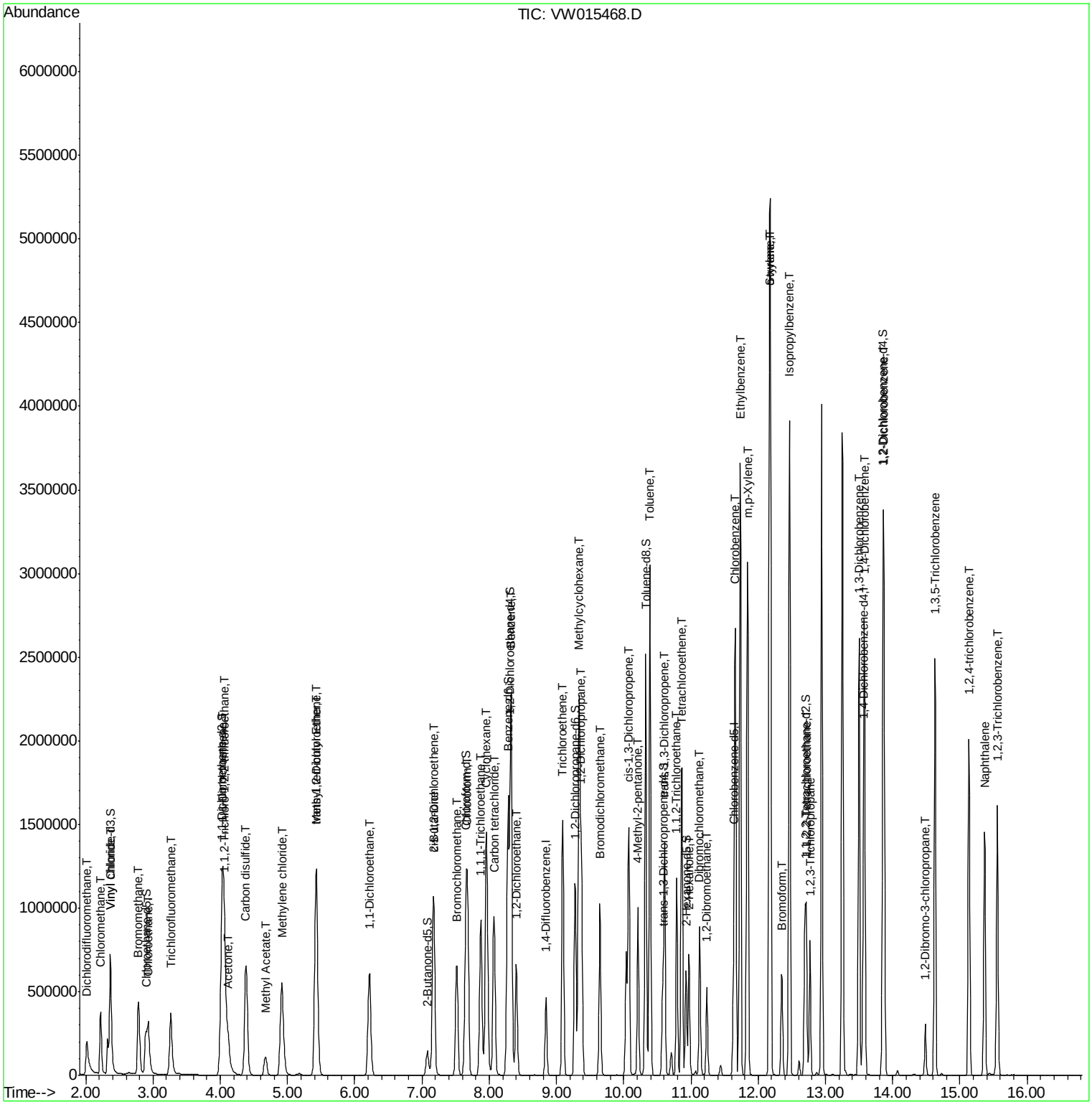
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052620\

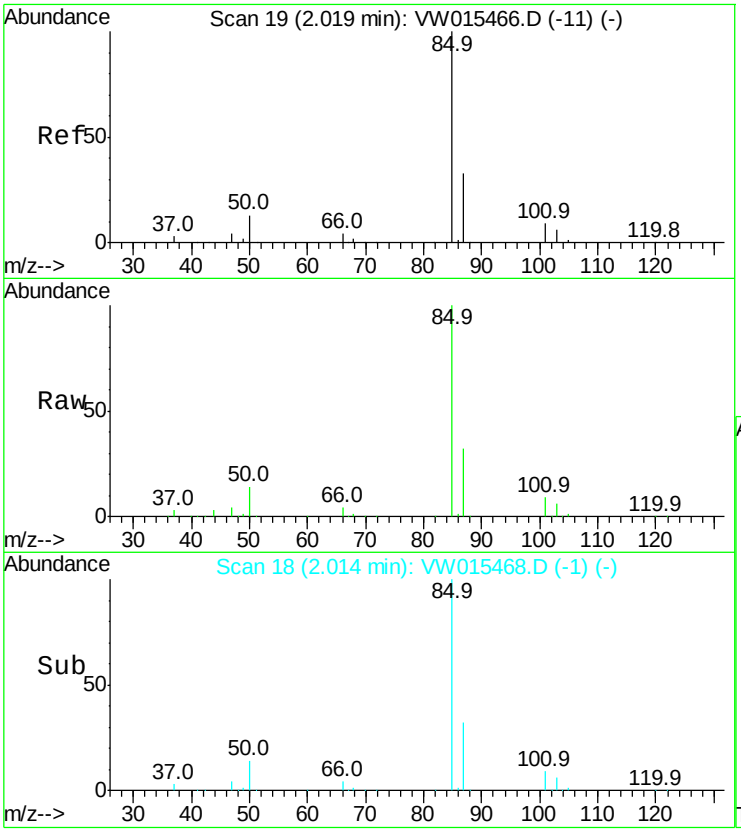
Quantitation Report (Not Reviewed)

Data File : VW015468.D
Acq On : 26 May 2020 11:40
Operator : SY/VA
Sample : VSTD100
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Quant Time: May 26 12:07:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Tue May 26 11:56:35 2020
Response via : Initial Calibration



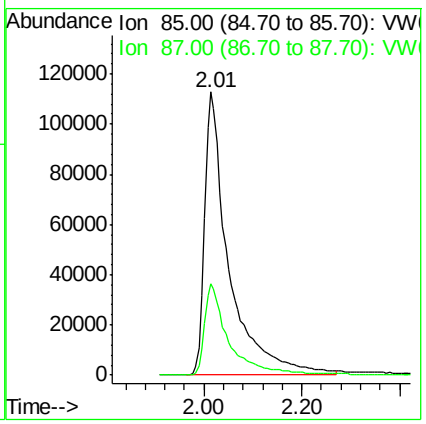


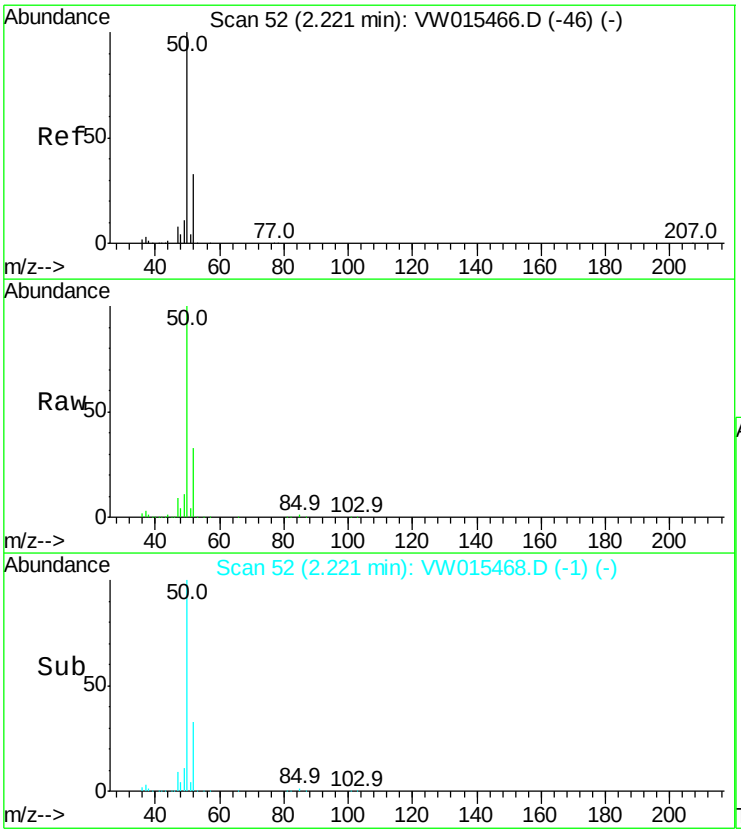
#2
Dichlorodifluoromethane
Concen: 116.856 ug/L
RT: 2.01 min Scan# 18
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion: 85 Resp: 390069

Ion	Ratio	Lower	Upper
85	100		
87	30.0	21.1	39.1

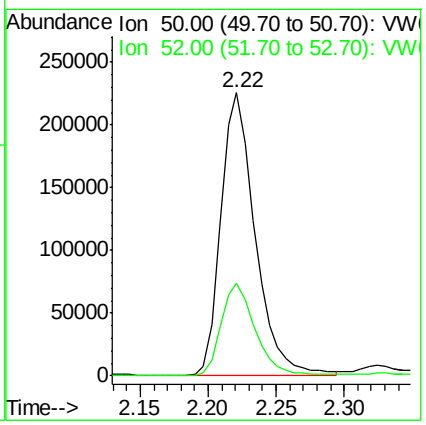


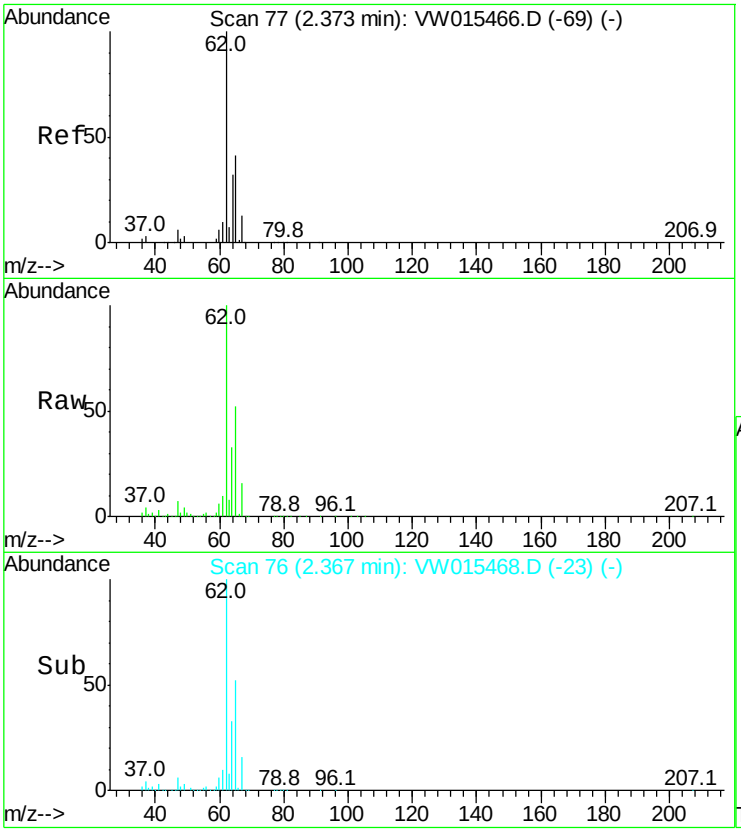


#3
Chloromethane
Concen: 110.128 ug/L
RT: 2.22 min Scan# 52
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion: 50 Resp: 393365

Ion	Ratio	Lower	Upper
50	100		
52	32.7	23.3	43.3



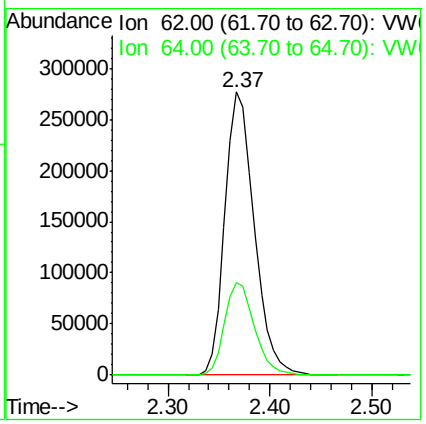


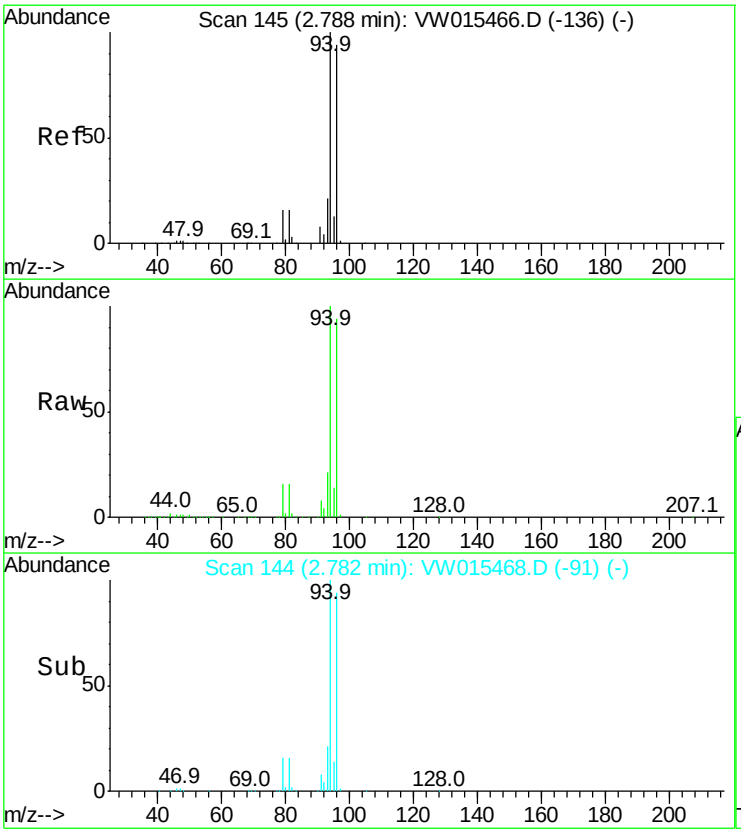
#5
Vinyl chloride
Concen: 99.798 ug/L
RT: 2.37 min Scan# 76
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion: 62 Resp: 553861

Ion	Ratio	Lower	Upper
62	100		
64	32.8	22.6	42.0

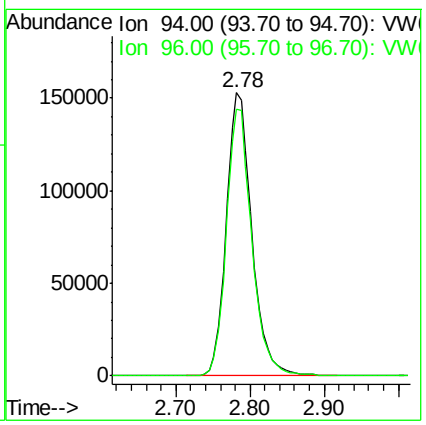


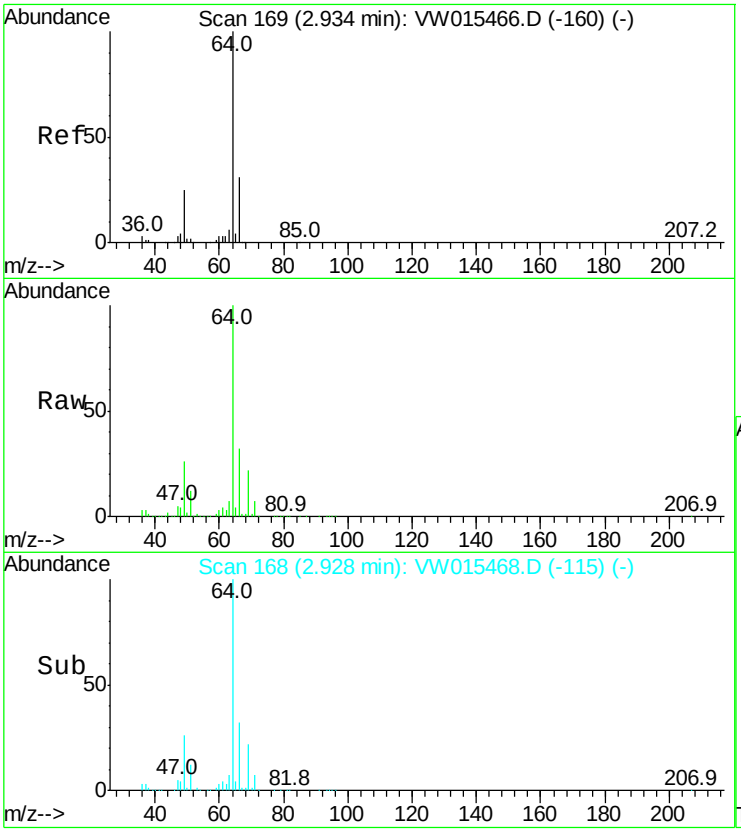


#6
Bromomethane
Concen: 95.810 ug/L
RT: 2.78 min Scan# 144
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion: 94 Resp: 365828

Ion	Ratio	Lower	Upper
94	100		
96	94.4	9.3	177.5



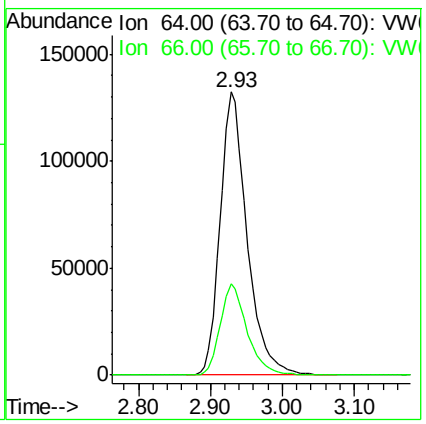


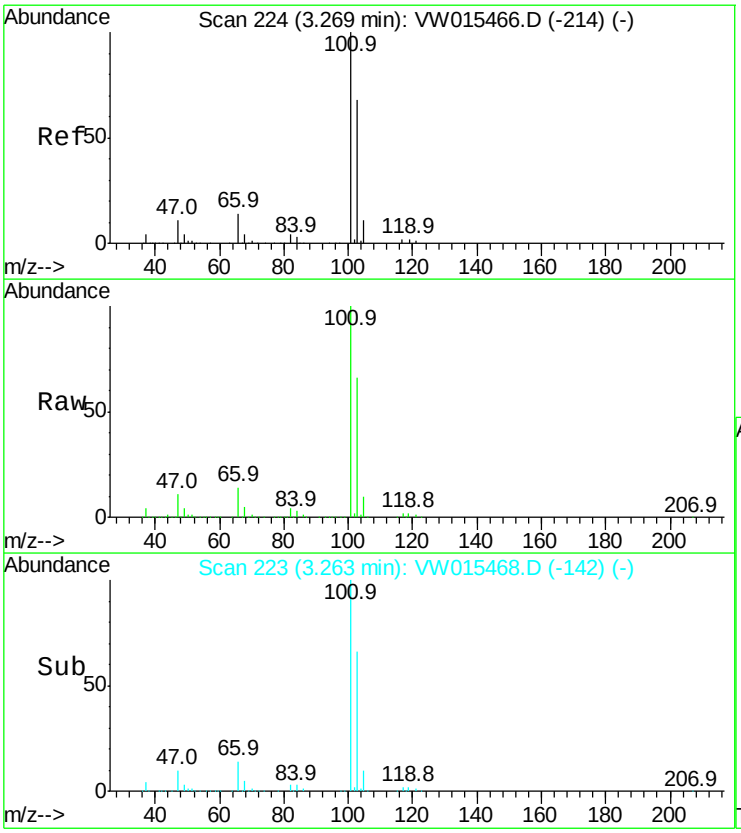
#8
Chloroethane
Concen: 92.619 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion: 64 Resp: 343572

Ion	Ratio	Lower	Upper
64	100		
66	32.2	22.0	40.8

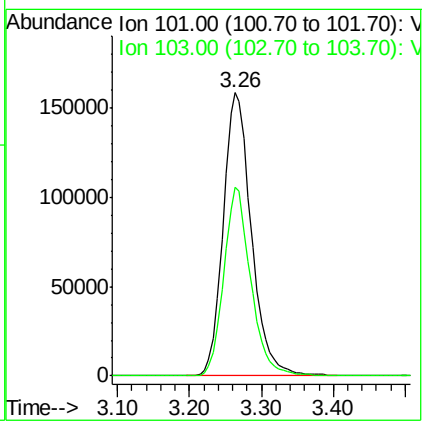


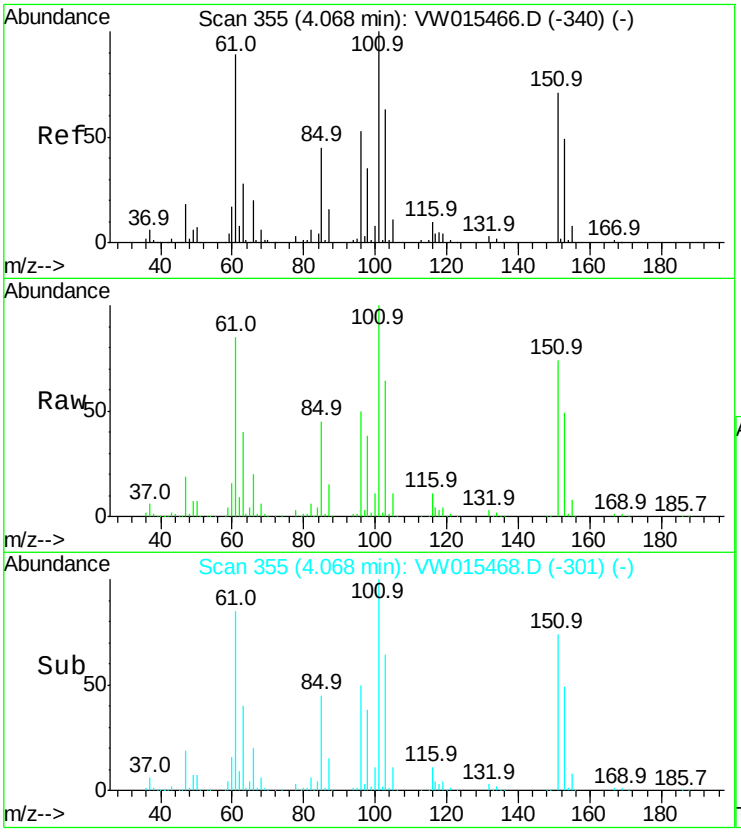


#9
Trichlorofluoromethane
Concen: 106.516 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion:101 Resp: 430957

Ion	Ratio	Lower	Upper
101	100		
103	64.0	46.6	86.6



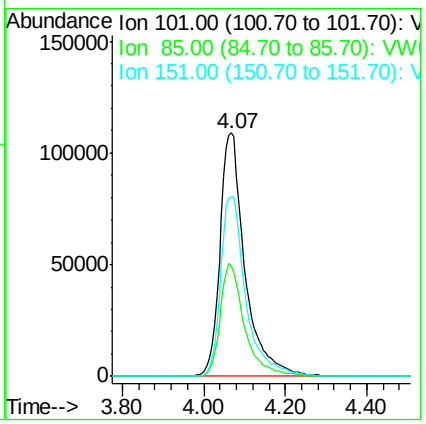


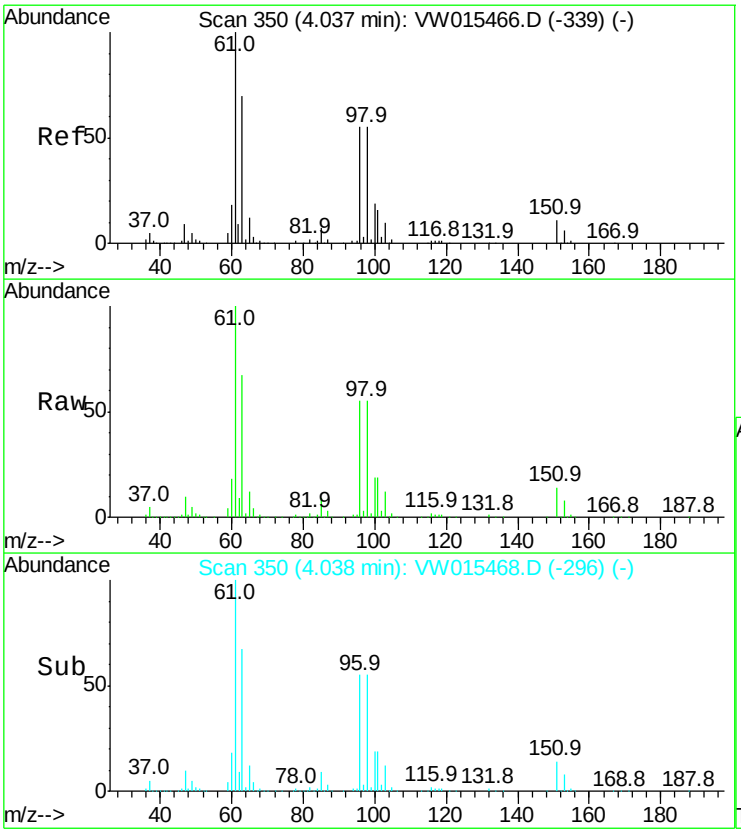
#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 102.809 ug/L
RT: 4.07 min Scan# 355
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion:101 Resp: 463456

Ion	Ratio	Lower	Upper
101	100		
85	45.2	35.1	52.7
151	74.6	58.6	87.8

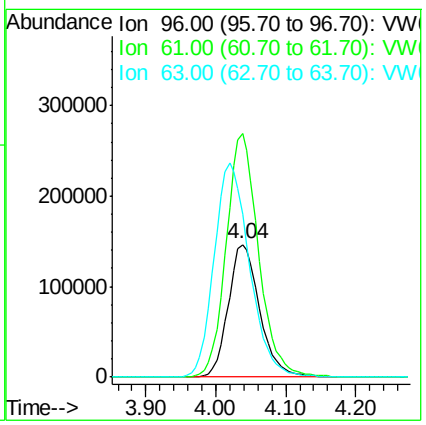


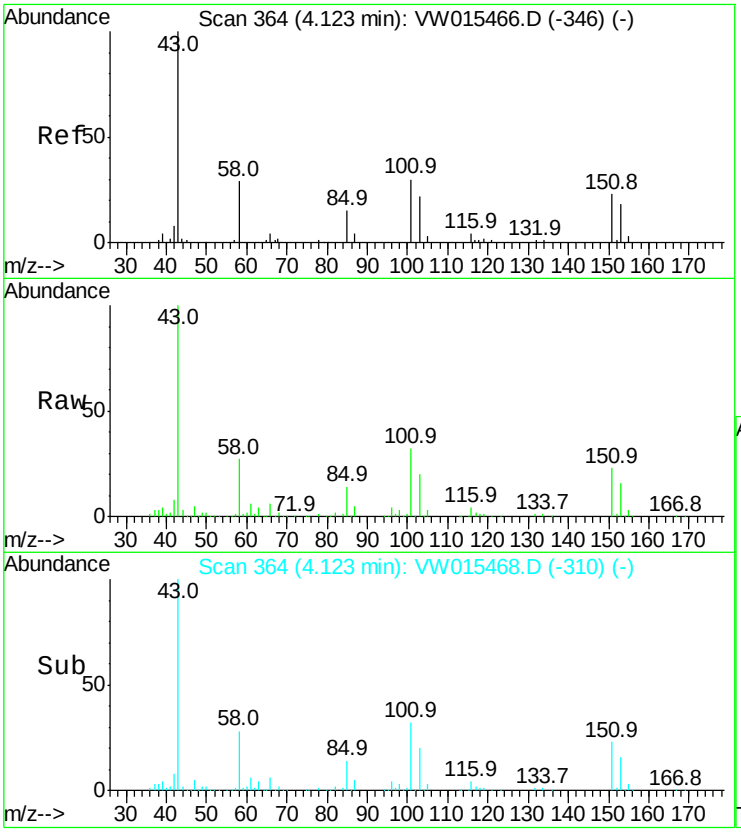


#12
1,1-Dichloroethene
Concen: 100.210 ug/L
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion: 96 Resp: 457180

Ion	Ratio	Lower	Upper
96	100		
61	183.3	127.7	237.1
63	122.7	92.3	171.5



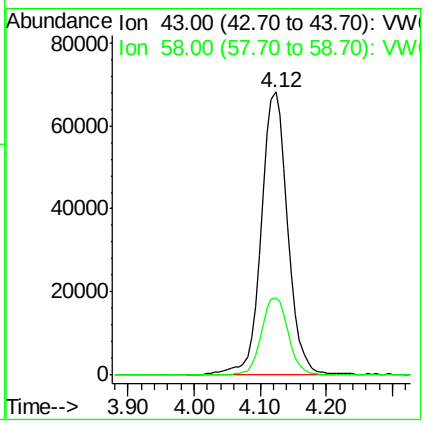


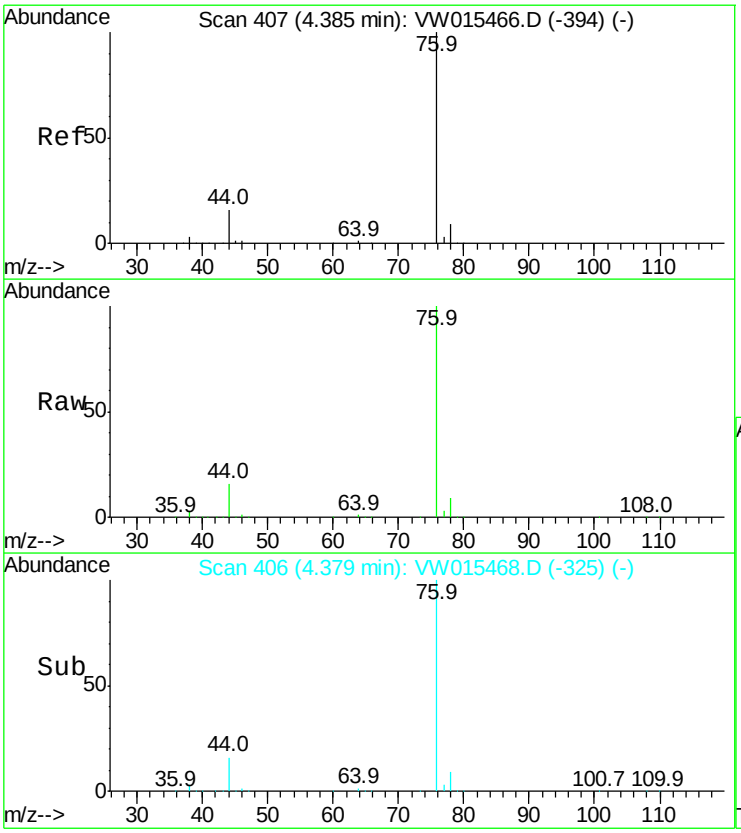
#13
Acetone
Concen: 195.655 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion: 43 Resp: 188329

Ion	Ratio	Lower	Upper
43	100		
58	27.6	0.0	56.8

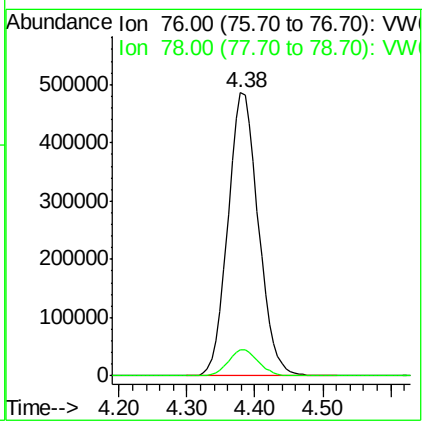


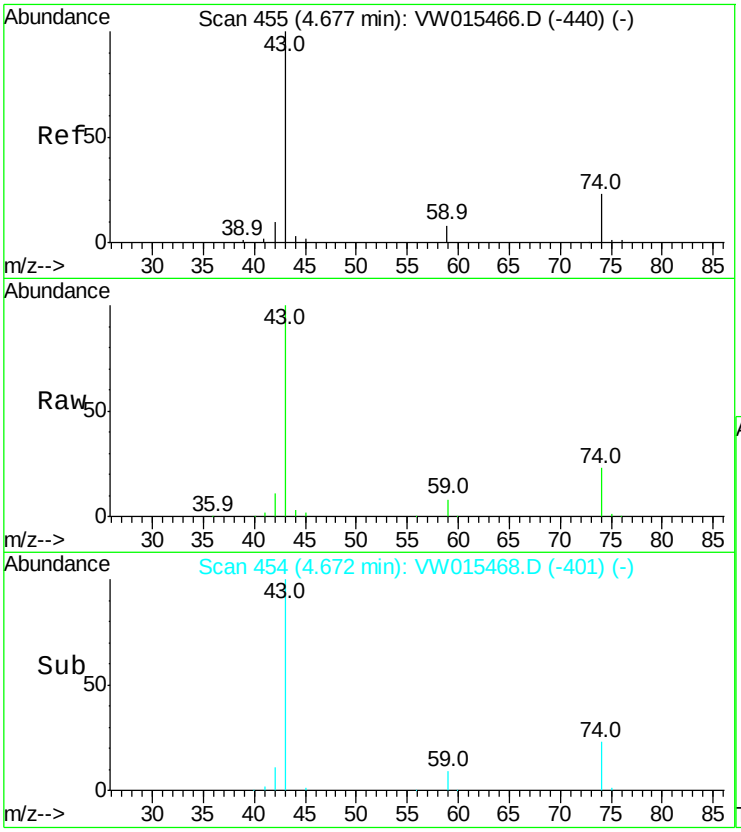


#14
Carbon disulfide
Concen: 106.519 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion: 76 Resp: 1509477

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



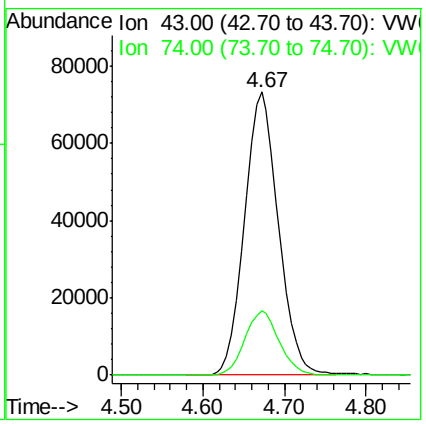


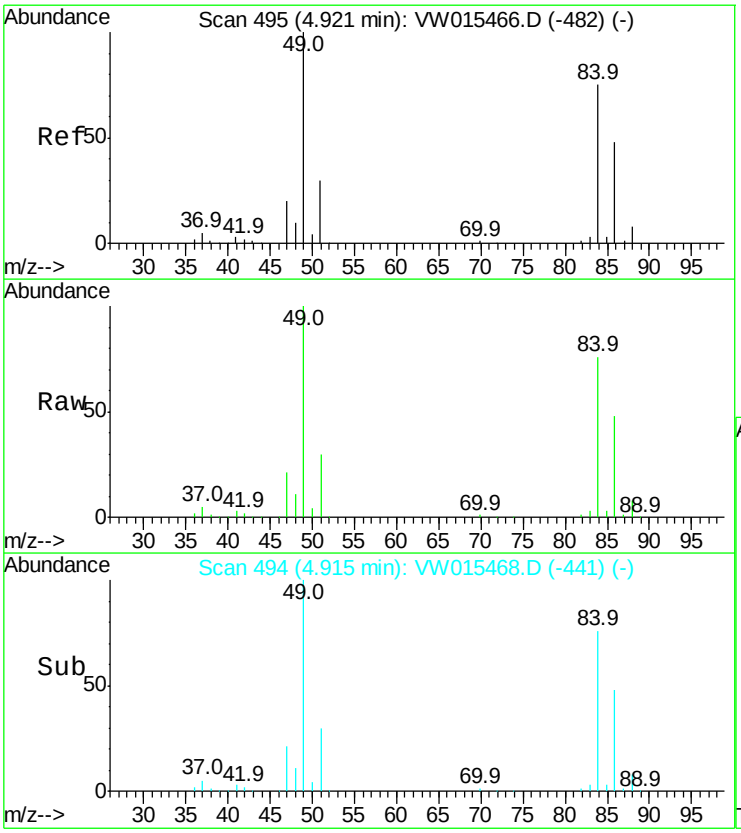
#15
Methyl Acetate
Concen: 100.744 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion: 43 Resp: 212097

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.2	27.2

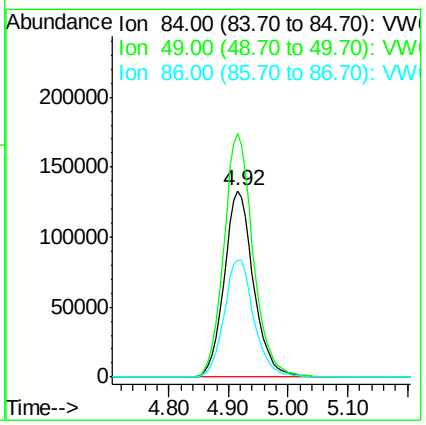


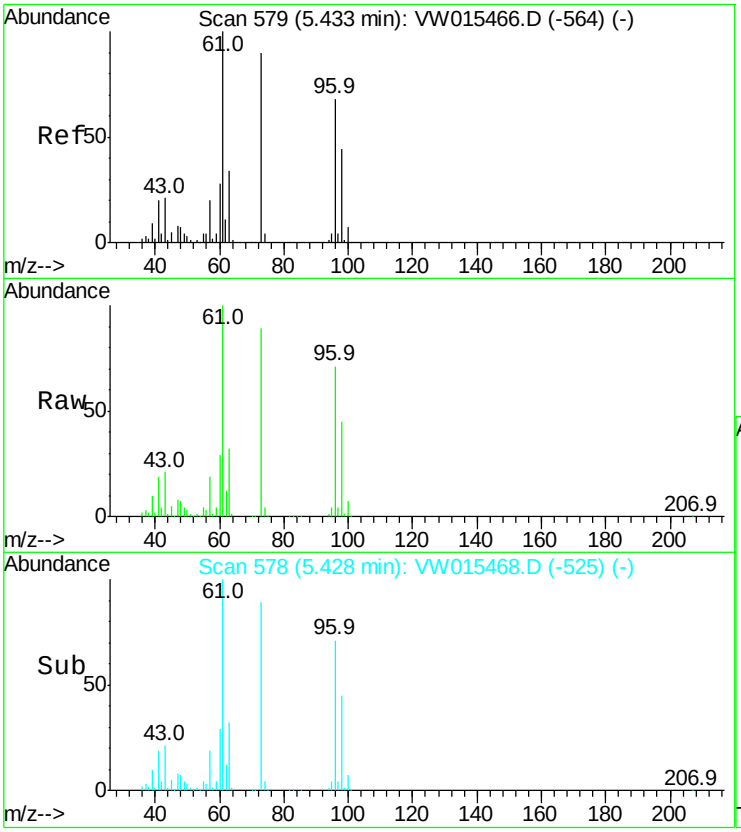


#16
Methylene chloride
Concen: 83.070 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion: 84 Resp: 452519

Ion	Ratio	Lower	Upper
84	100		
49	130.8	93.0	172.8
86	62.5	44.7	83.1



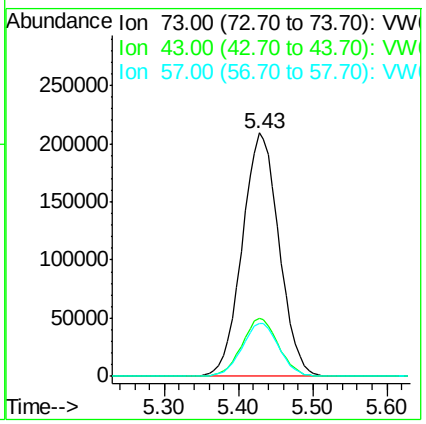


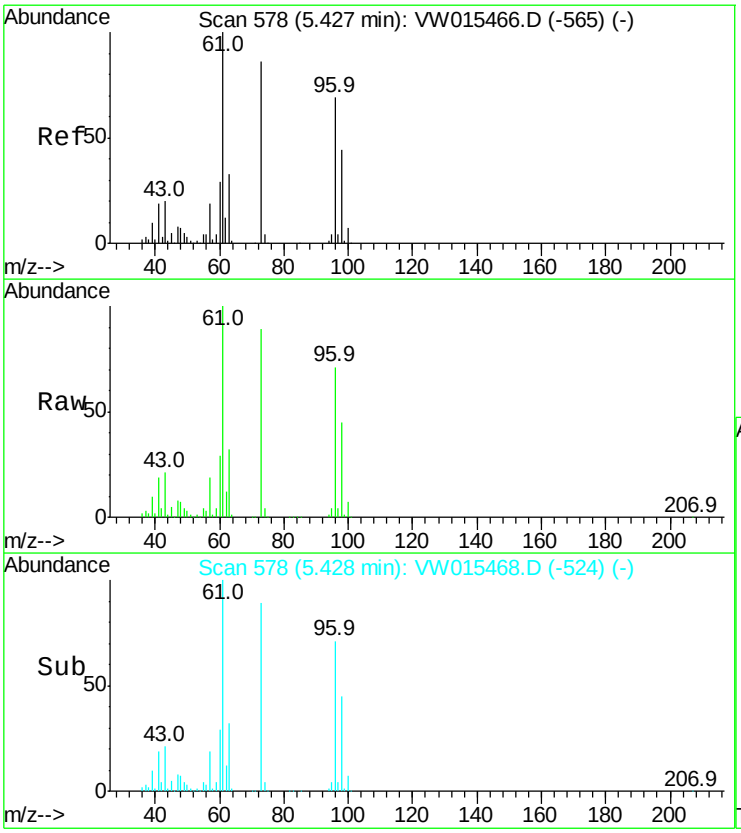
#17
Methyl tert-butyl Ether
Concen: 97.627 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument : MSVOA_W
ClientSampleId : VSTD10001

Tgt Ion: 73 Resp: 724114

Ion	Ratio	Lower	Upper
73	100		
43	23.6	19.6	29.4
57	21.9	17.7	26.5

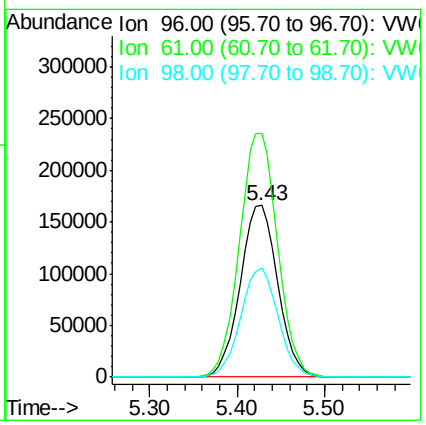


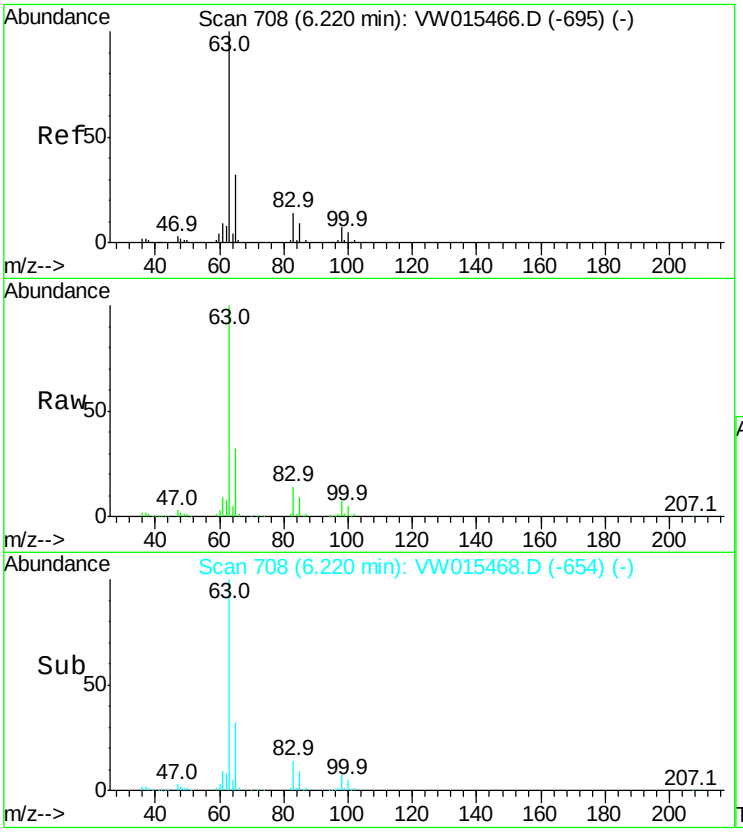


#18
trans-1,2-Dichloroethene
Concen: 100.697 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion: 96 Resp: 495085

Ion	Ratio	Lower	Upper
96	100		
61	141.8	101.9	189.3
98	63.6	44.9	83.5



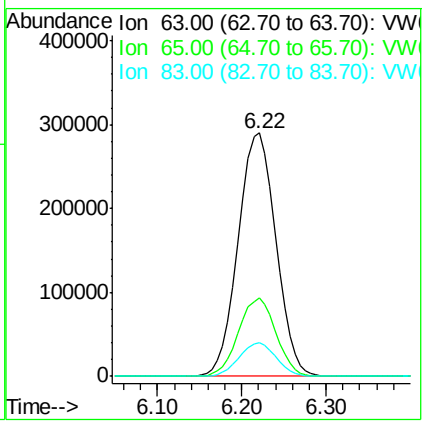


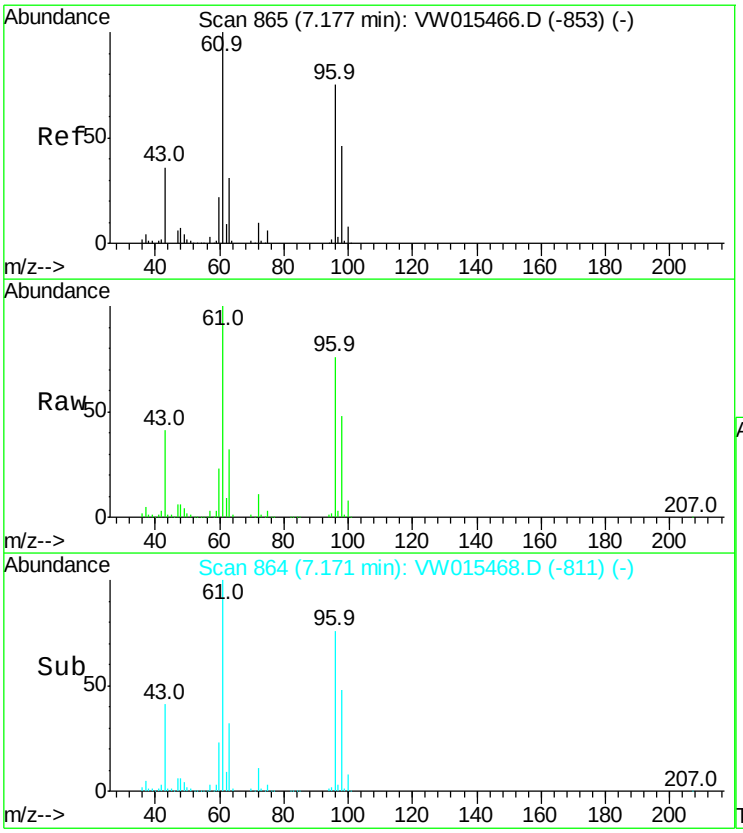
#19
1,1-Dichloroethane
Concen: 95.432 ug/L
RT: 6.22 min Scan# 708
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion: 63 Resp: 883707

Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.1	41.1
83	13.6	9.7	17.9

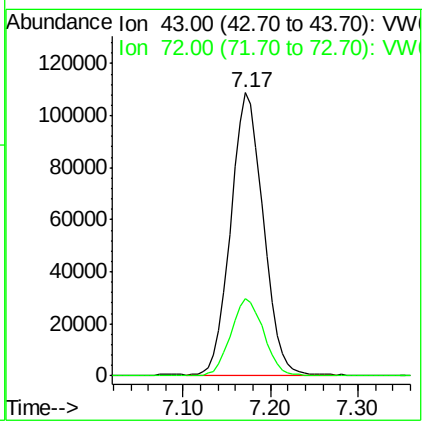


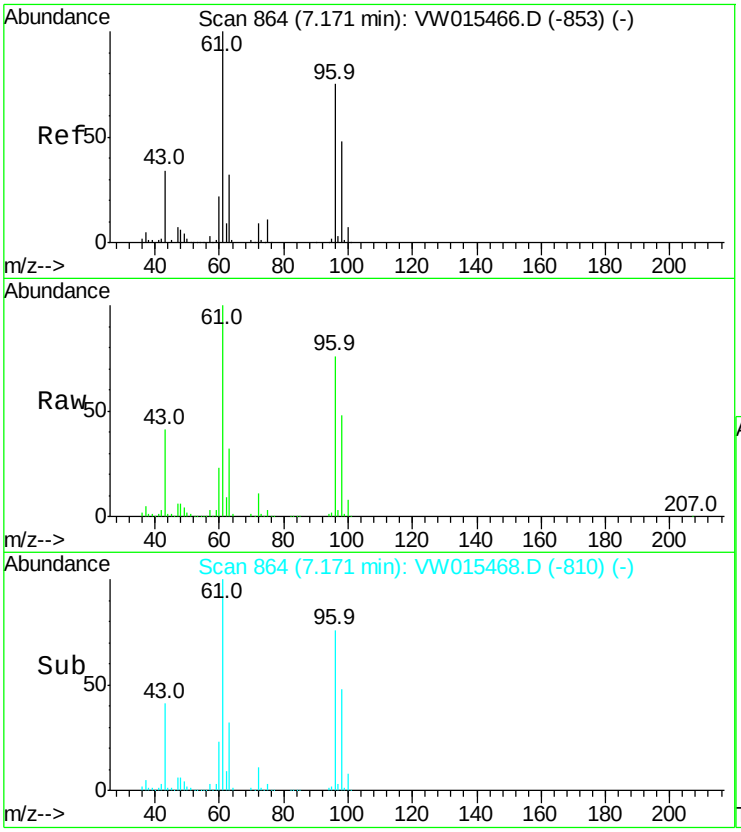


#21
2-Butanone
Concen: 193.509 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion: 43 Resp: 280036

Ion	Ratio	Lower	Upper
43	100		
72	27.8	13.3	39.9



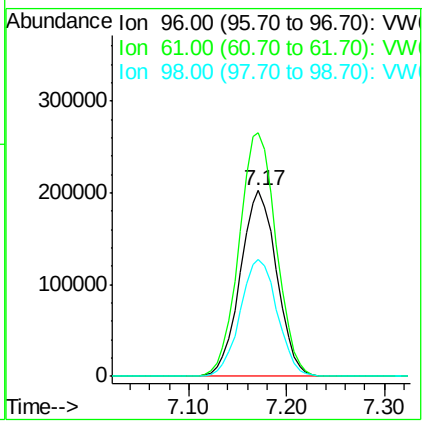


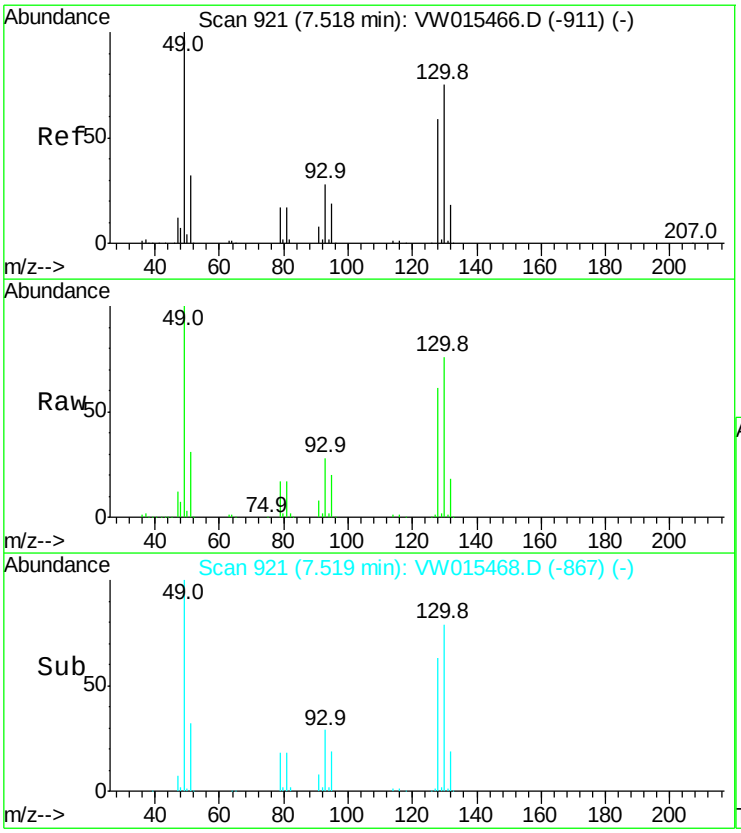
#22
cis-1,2-Dichloroethene
Concen: 98.556 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument : MSVOA_W
ClientSampleId : VSTD10001

Tgt Ion: 96 Resp: 522247

Ion	Ratio	Lower	Upper
96	100		
61	131.1	93.7	173.9
98	63.1	45.1	83.9

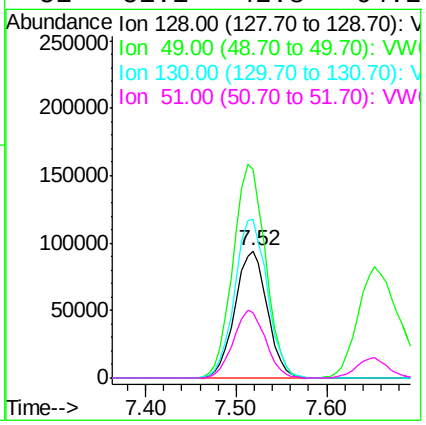


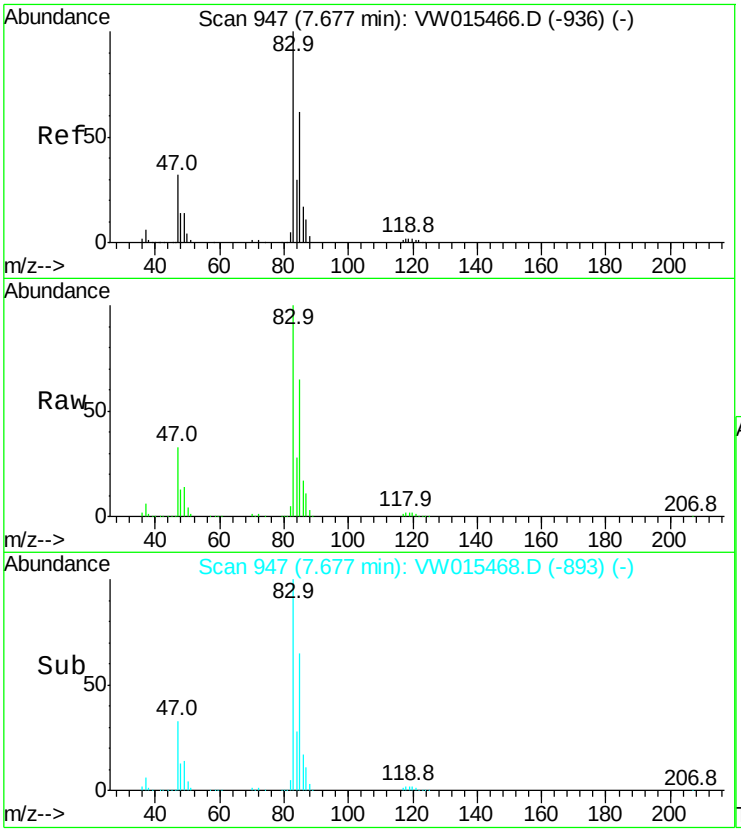


#23
Bromochloromethane
Concen: 105.163 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion:128 Resp: 232260

Ion	Ratio	Lower	Upper
128	100		
49	163.8	118.1	219.3
130	125.0	88.5	164.3
51	51.1	42.8	64.2



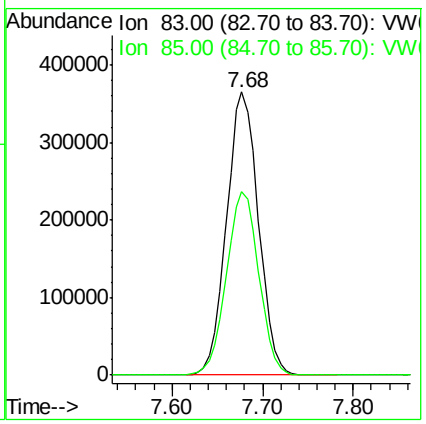


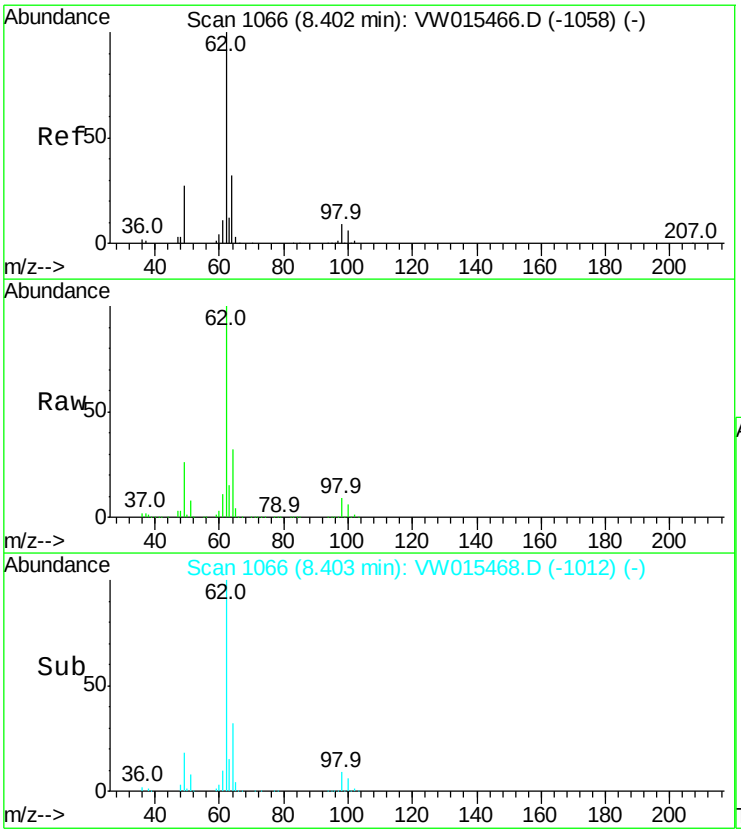
#25
Chloroform
Concen: 97.058 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion: 83 Resp: 888552

Ion	Ratio	Lower	Upper
83	100		
85	66.0	45.7	84.9

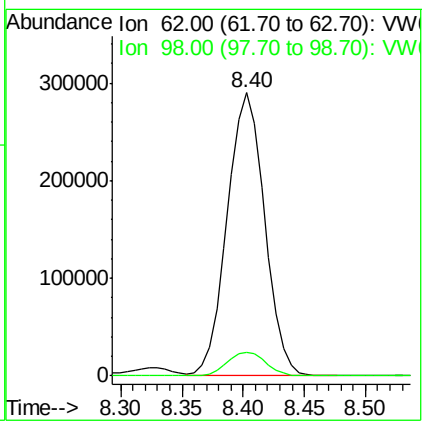


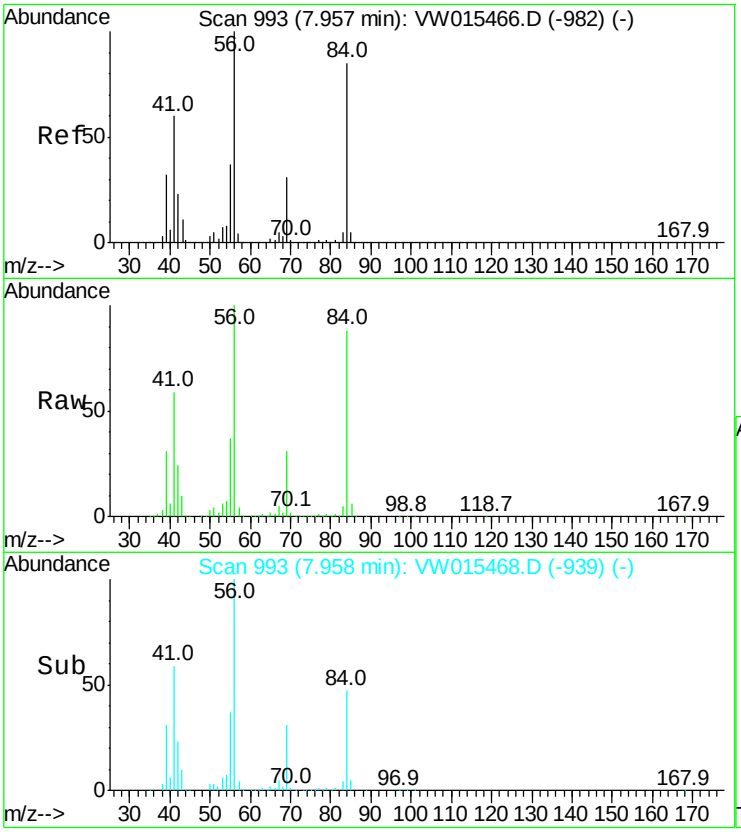


#27
1,2-Dichloroethane
Concen: 98.655 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion: 62 Resp: 614555

Ion	Ratio	Lower	Upper
62	100		
98	8.5	7.0	10.4



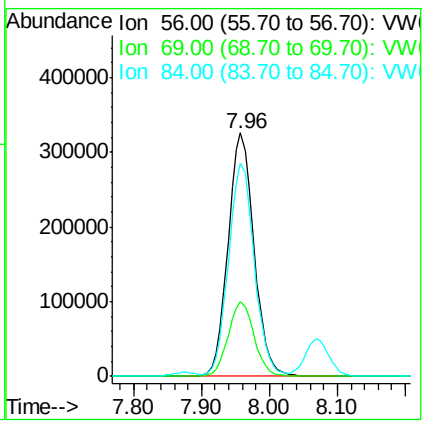


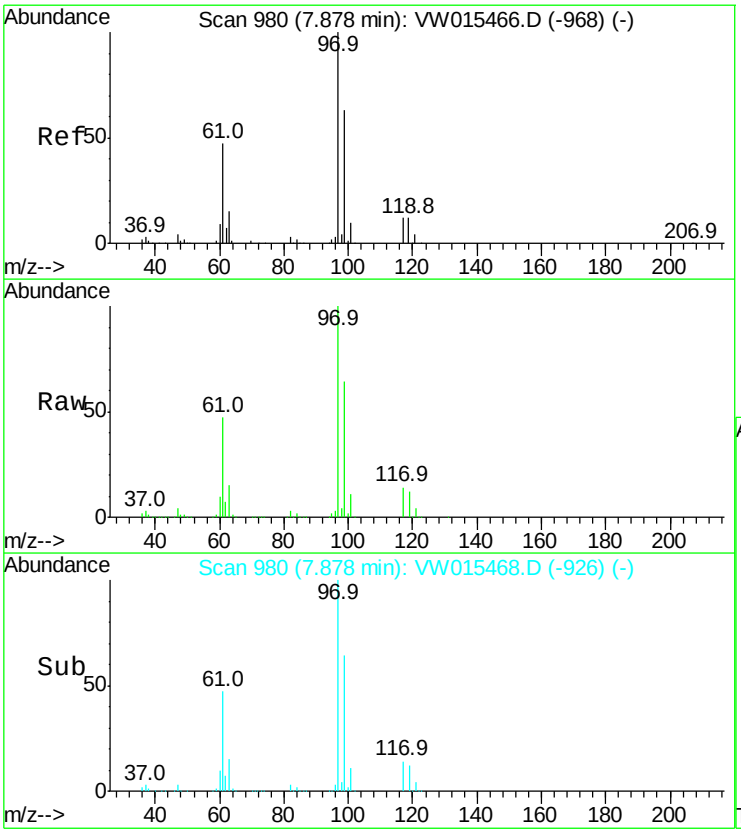
#30
Cyclohexane
Concen: 92.501 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion: 56 Resp: 861364

Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	87.5	69.6	104.4

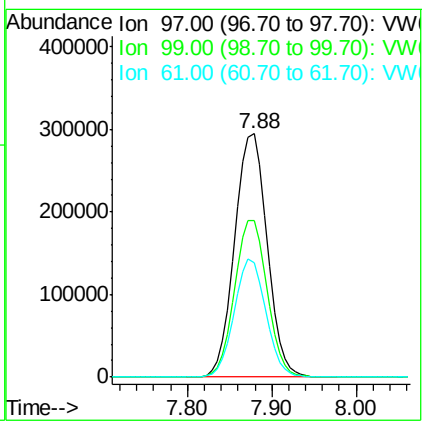


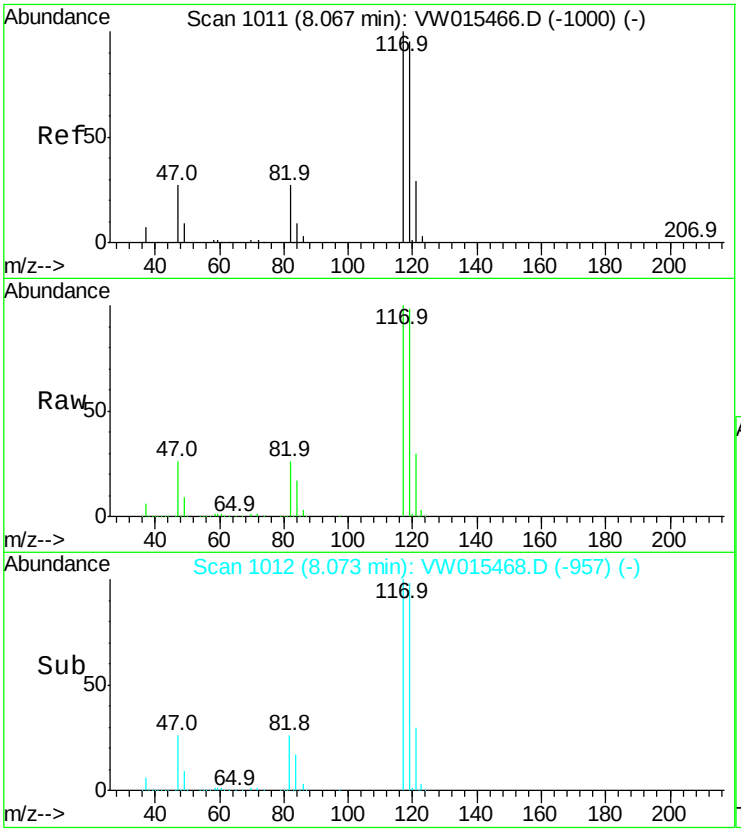


#31
1,1,1-Trichloroethane
Concen: 96.335 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion: 97 Resp: 769647

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	47.3	38.1	57.1



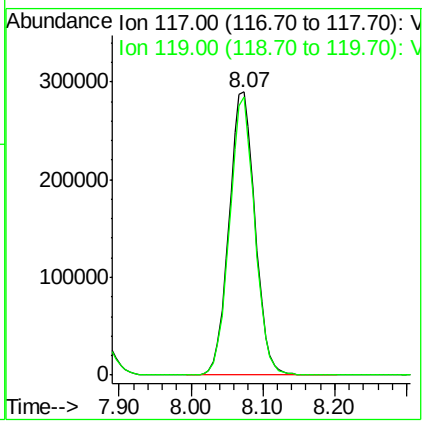


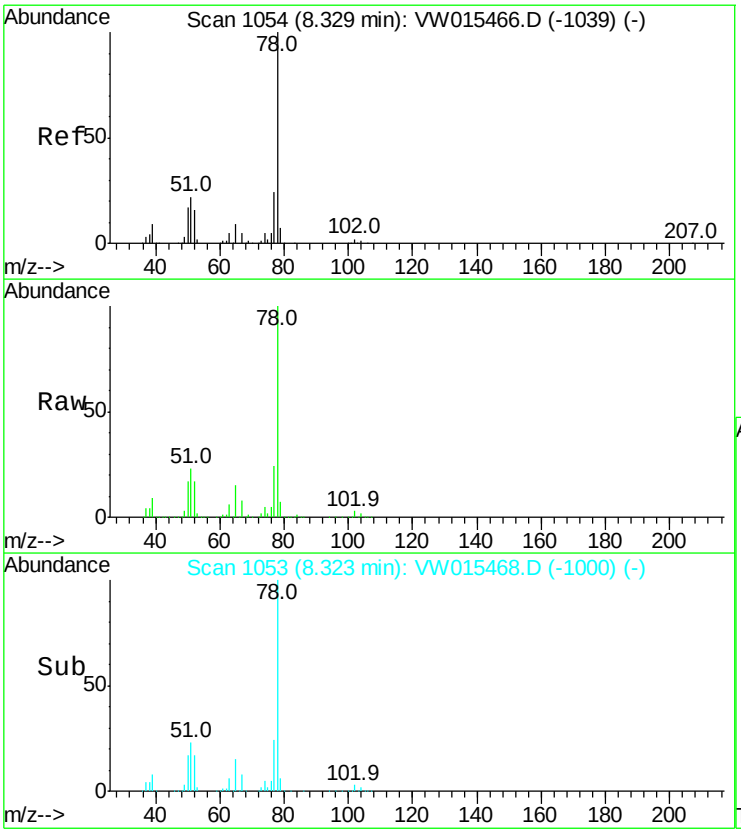
#32
Carbon tetrachloride
Concen: 99.542 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Instrument : MSVOA_W
ClientSampleId : VSTD10001

Tgt Ion:117 Resp: 723721

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.4	114.6





#34
Benzene
Concen: 93.011 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015468.D
Acq: 26 May 2020 11:40

Tgt Ion: 78 Resp: 1937159