Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112320\

Quantitation Report (Not Reviewed)

Data File : VY003593.D
Acq On : 23 Nov 2020 15:19
Operator : SY/MD
Sample : L4824-06
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VSTD025407

Quant Time: Nov 24 07:18:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM112320SMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 12:08:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	223082	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	203311	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	105040	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	75317	23.93	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 95.72%			
7) Chloroethane-d5	2.77	69	63413	24.80	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.20%			
11) 1,1-Dichloroethene-d2	3.85	63	146243	21.92	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 87.68%			
21) 2-Butanone-d5	6.90	46	67100	49.83	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 99.66%			
24) Chloroform-d	7.48	84	152789	24.21	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.84%			
26) 1,2-Dichloroethane-d4	8.14	65	85477	24.48	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.92%			
32) Benzene-d6	8.11	84	321052	24.82	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 99.28%			
36) 1,2-Dichloropropane-d6	9.12	67	96389	24.52	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.08%			
41) Toluene-d8	10.17	98	282293	24.34	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.36%			
43) trans-1,3-Dichloropropene-	10.44	79	46343	24.85	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.40%			
47) 2-Hexanone-d5	10.78	63	51162	51.24	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.48%			
56) 1,1,2,2-Tetrachloroethane-	12.56	84	85170	25.08	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 100.32%			
66) 1,2-Dichlorobenzene-d4	13.72	152	90760	24.92	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.68%			
Target Compounds						Qvalue
3) Chloromethane	2.12	50	31161	13.809	ug/L	94
5) Vinyl chloride	2.26	62	82907	26.079	ug/L	97
6) Bromomethane	2.66	94	34575	14.857	ug/L	98
8) Chloroethane	2.80	64	19018	9.569	ug/L	97
9) Trichlorofluoromethane	3.13	101	23796	10.252	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	65382	21.474	ug/L	96
12) 1,1-Dichloroethene	3.88	96	51389	15.869	ug/L	96
15) Methyl Acetate	4.48	43	57522	24.108	ug/L	100
16) Methylene chloride	4.72	84	79501	18.223	ug/L	98
18) Methyl tert-butyl Ether	5.22	73	209202	41.005	ug/L	99
22) 2-Butanone	6.99	43	150011	98.350	ug/L	98
25) Chloroform	7.50	83	115398	19.927	ug/L	97
29) Cyclohexane	7.78	56	103671	20.762	ug/L	100
33) Benzene	8.16	78	550028	41.224	ug/L	100
34) Trichloroethene	8.94	95	175375	53.014	ug/L	94
42) Toluene	10.24	91	713937	50.928	ug/L	100
44) trans-1,3-Dichloropropene	10.43	75	2883	0.595	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112320\

Quantitation Report (Not Reviewed)

Data File : VY003593.D
Acq On : 23 Nov 2020 15:19
Operator : SY/MD
Sample : L4824-06
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VSTD025407

Quant Time: Nov 24 07:18:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM112320SMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 12:08:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1,2-Trichloroethane	10.64	97	54150	19.805	ug/L		97
46) Tetrachloroethene	10.72	164	29864	10.301	ug/L		98
51) Chlorobenzene	11.51	112	114582	12.846	ug/L		99
52) Ethylbenzene	11.59	91	367033	25.660	ug/L		98
53) m,p-Xylene	11.70	106	175946	31.873	ug/L		95
54) o-Xylene	12.03	106	121594	26.062	ug/L		97
55) Styrene	12.04	104	99876	10.946	ug/L		97
57) 1,1,2,2-Tetrachloroethane	12.58	83	39760	12.079	ug/L	#	95
59) Bromoform	12.20	173	25902	11.592	ug/L		97
60) Isopropylbenzene	12.33	105	213759	20.164	ug/L		100
61) 1,2,3-Trichloropropane	12.60	75	12249	4.798	ug/L	#	1
62) 1,3,5-Trimethylbenzene	12.80	105	1312	0.168	ug/L		95
63) 1,2,4-Trimethylbenzene	13.12	105	210160	25.428	ug/L		100
64) 1,3-Dichlorobenzene	13.36	146	137596	20.436	ug/L		98
65) 1,4-Dichlorobenzene	13.44	146	70223	10.017	ug/L		98
69) 1,3,5-Trichlorobenzene	15.00	180	61958	17.057	ug/L		98
70) 1,2,4-trichlorobenzene	15.00	180	61958	19.717	ug/L		98
72) 1,2,3-Trichlorobenzene	15.42	180	74021	31.168	ug/L		99

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

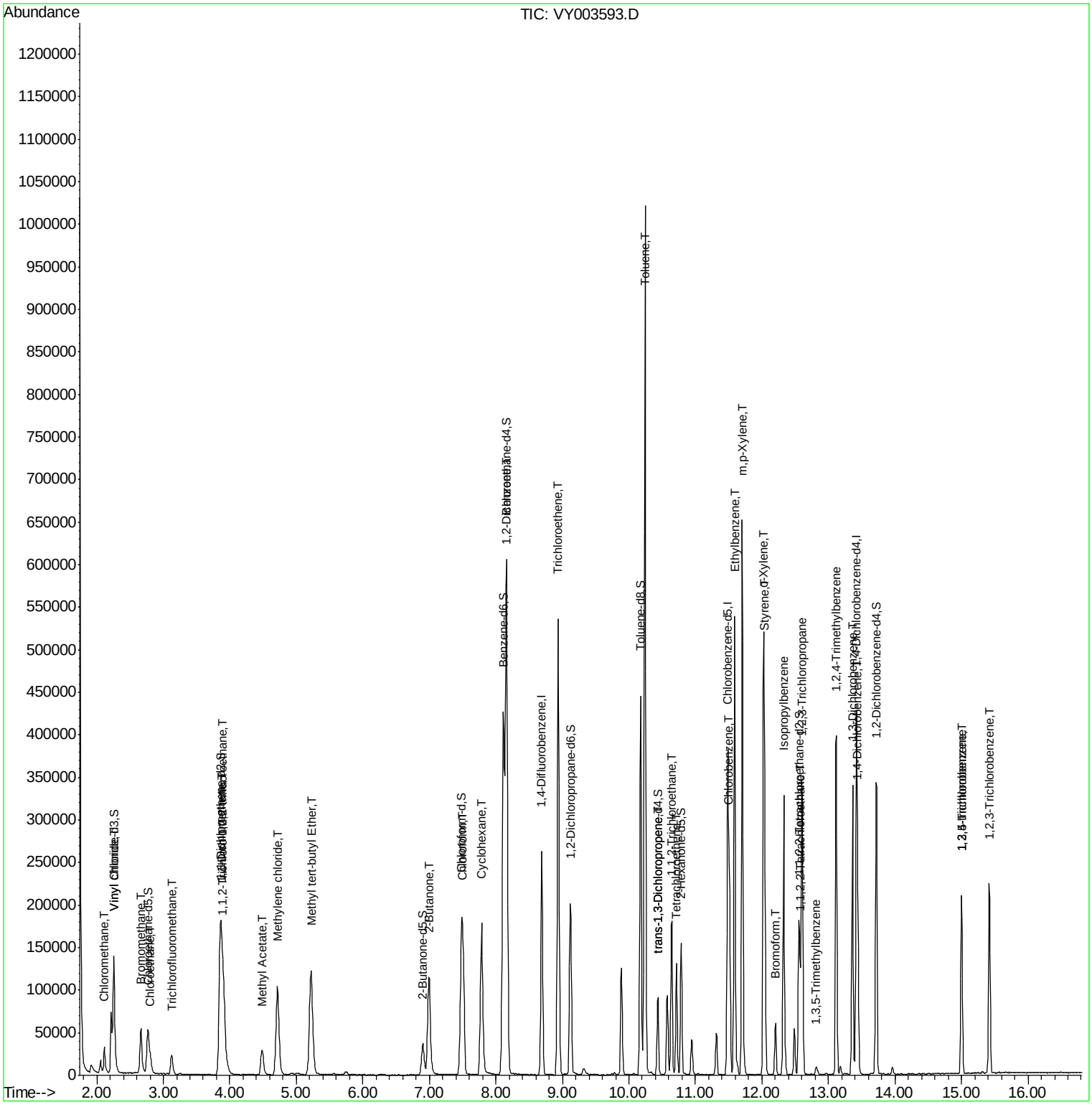
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112320\

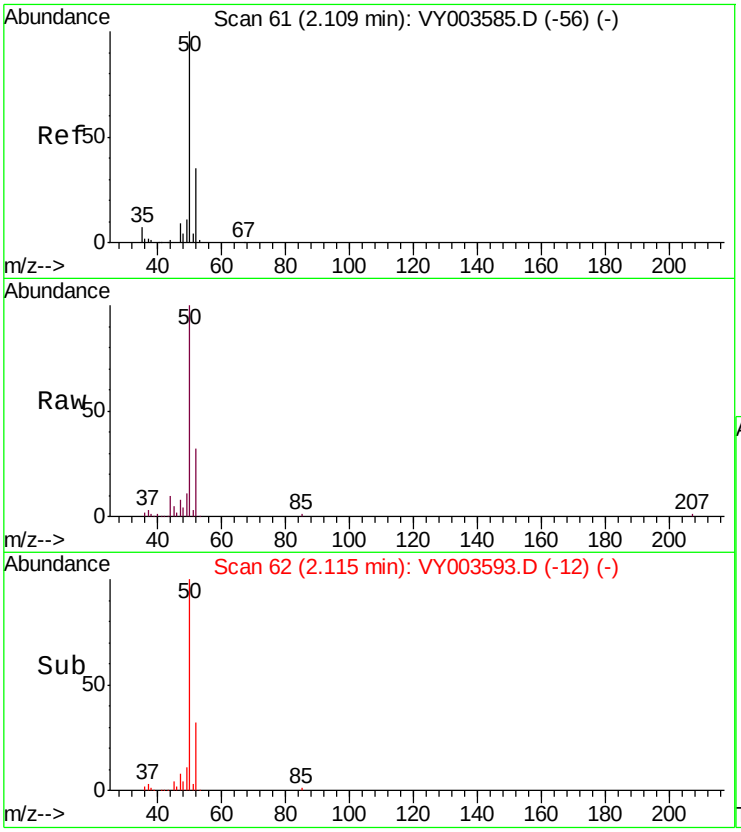
Quantitation Report (Not Reviewed)

Data File : VY003593.D
Acq On : 23 Nov 2020 15:19
Operator : SY/MD
Sample : L4824-06
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Quant Time: Nov 24 07:18:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM112320SMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 12:08:47 2020
Response via : Initial Calibration



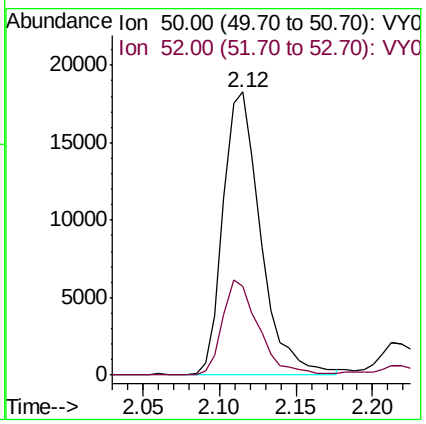


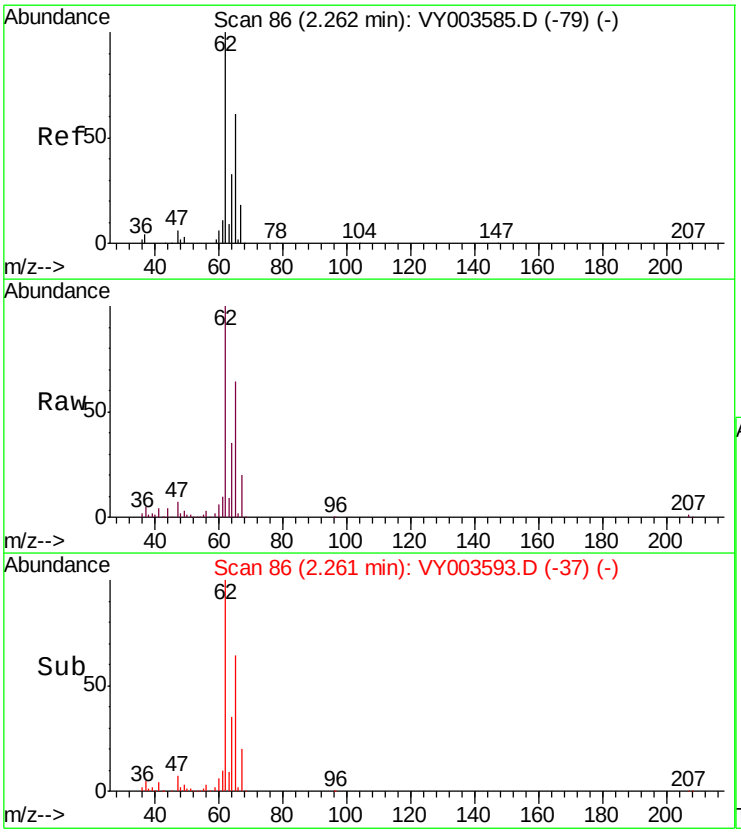
#3
Chloromethane
Concen: 13.809 ug/L
RT: 2.12 min Scan# 62
Delta R.T. 0.01 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion: 50 Resp: 31161

Ion	Ratio	Lower	Upper
50	100		
52	31.6	24.4	45.4

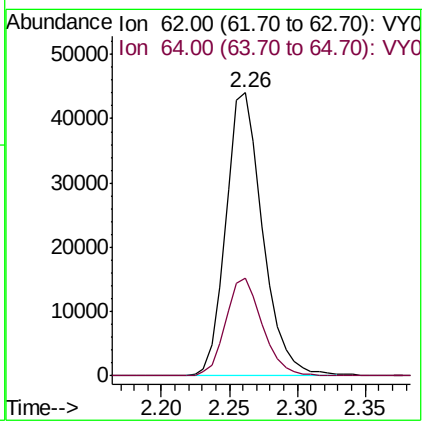


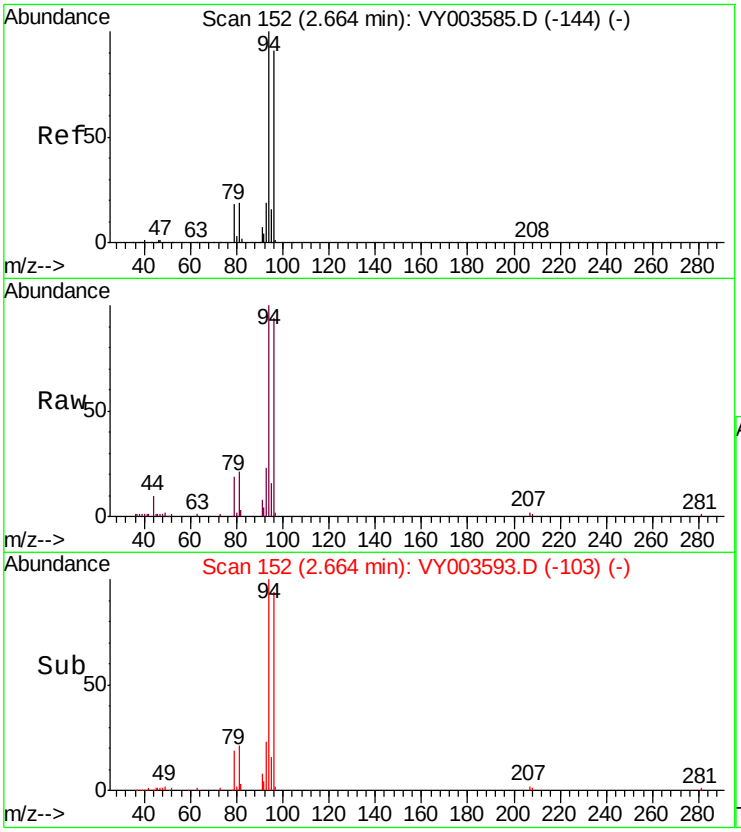


#5
Vinyl chloride
Concen: 26.079 ug/L
RT: 2.26 min Scan# 86
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion: 62 Resp: 82907

Ion	Ratio	Lower	Upper
62	100		
64	34.5	23.0	42.6



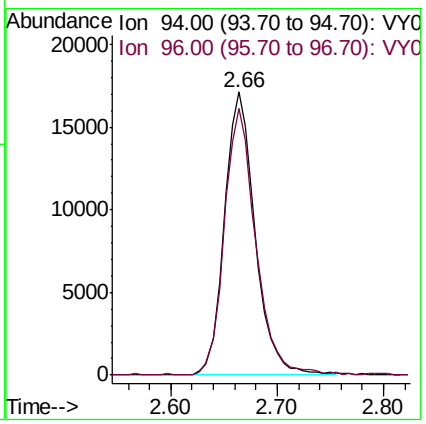


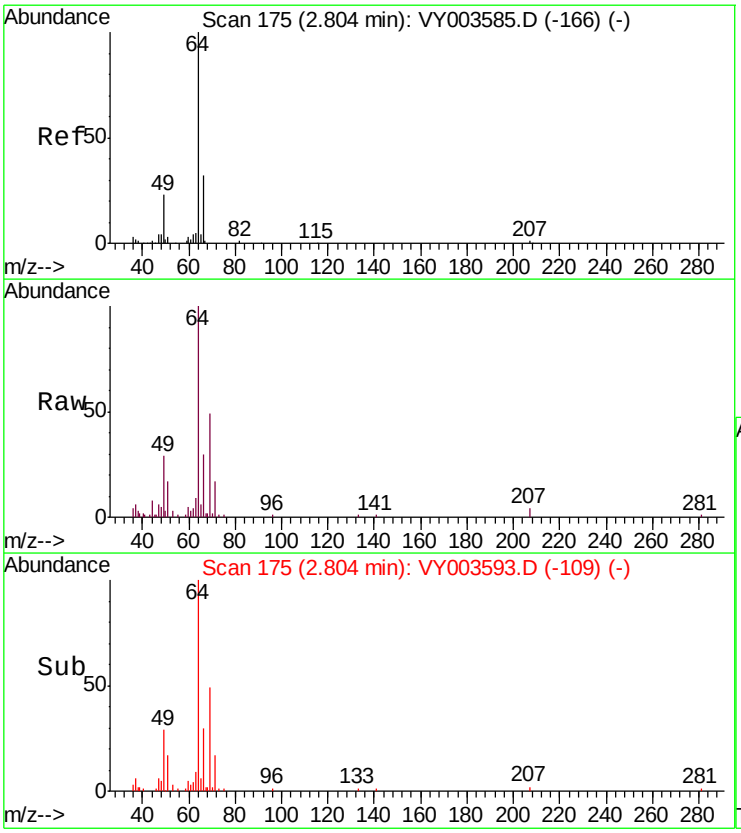
#6
Bromomethane
Concen: 14.857 ug/L
RT: 2.66 min Scan# 152
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion: 94 Resp: 34575

Ion	Ratio	Lower	Upper
94	100		
96	94.3	64.5	119.7

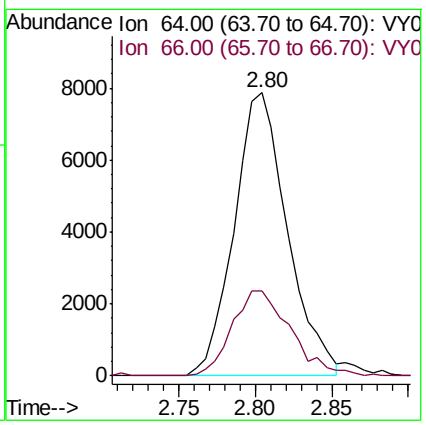


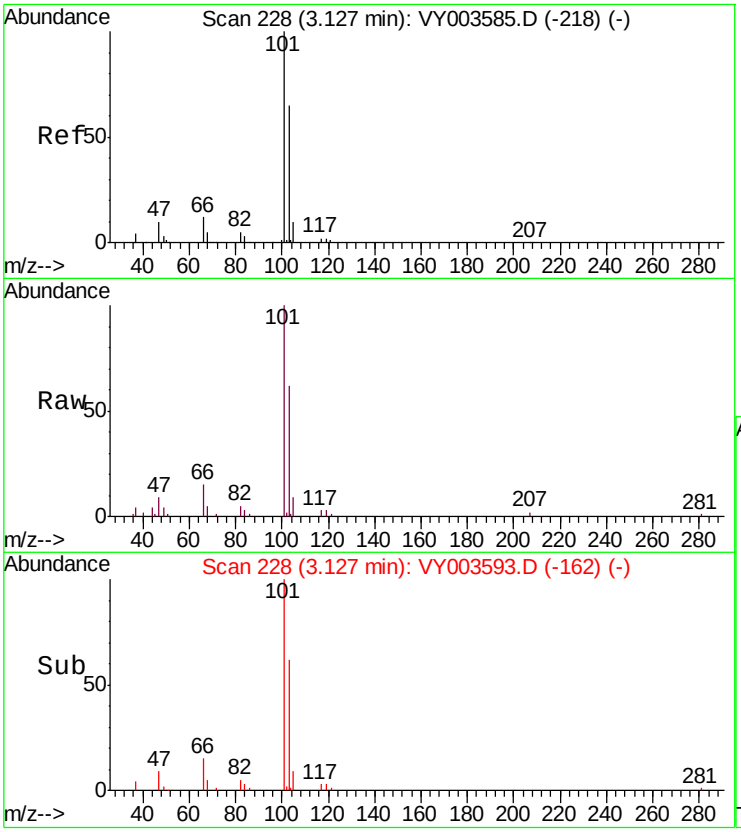


#8
Chloroethane
Concen: 9.569 ug/L
RT: 2.80 min Scan# 175
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion: 64 Resp: 19018

Ion	Ratio	Lower	Upper
64	100		
66	30.1	22.2	41.2



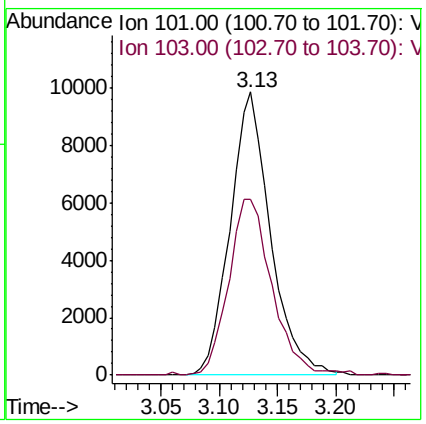


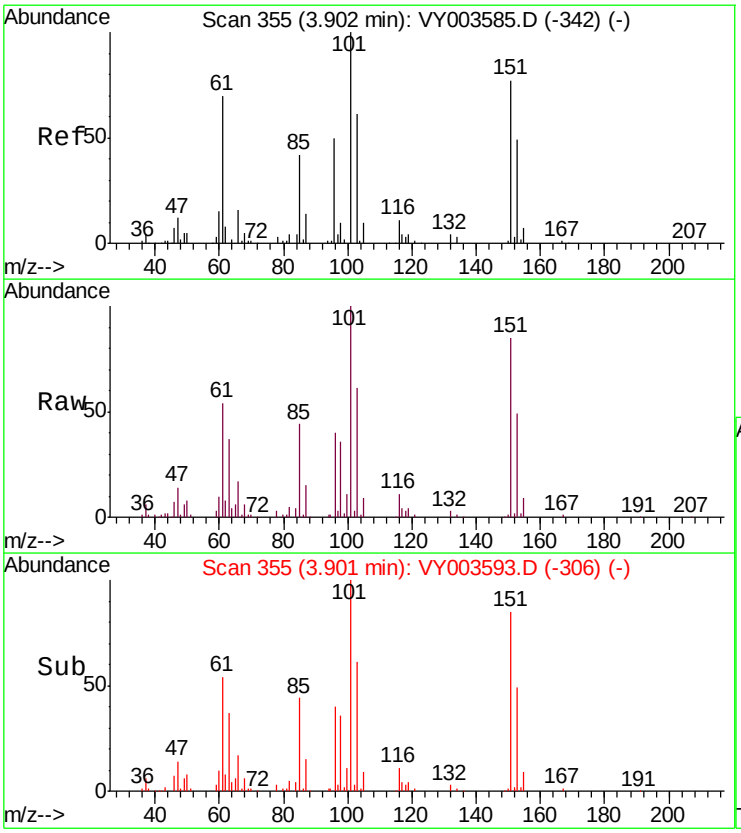
#9
Trichlorofluoromethane
Concen: 10.252 ug/L
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion:101 Resp: 23796

Ion	Ratio	Lower	Upper
101	100		
103	65.8	54.0	81.0

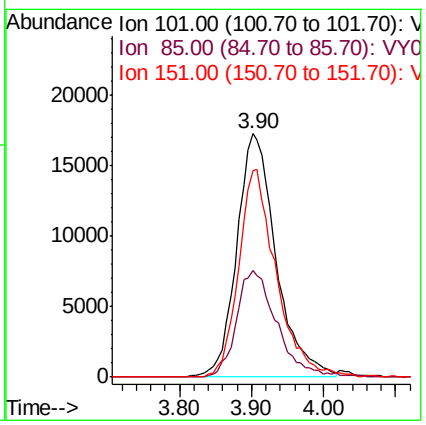


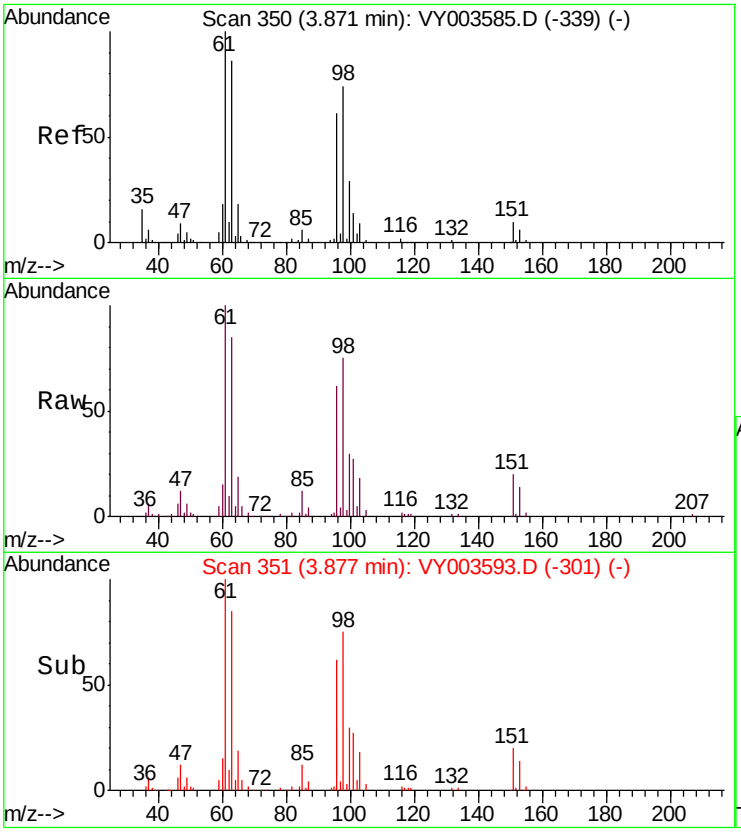


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 21.474 ug/L
RT: 3.90 min Scan# 355
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion:101 Resp: 65382

Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.1	51.1
151	80.2	60.6	90.8



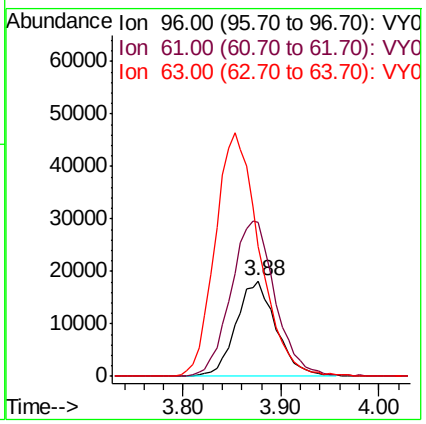


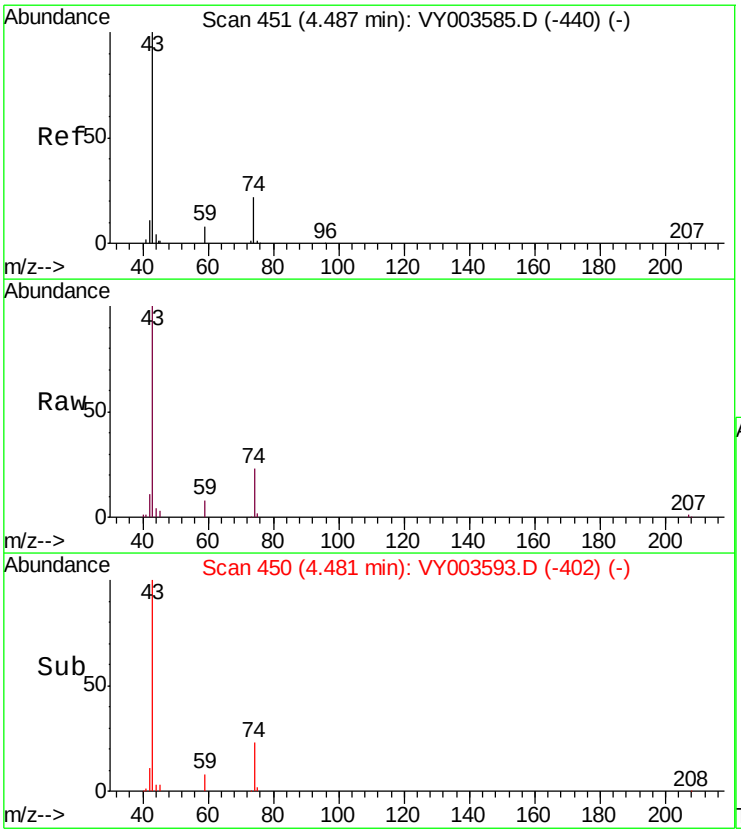
#12
1,1-Dichloroethene
Concen: 15.869 ug/L
RT: 3.88 min Scan# 351
Delta R.T. 0.01 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument : MSVOA_Y
ClientSampleId : VSTD025407

Tgt Ion: 96 Resp: 51389

Ion	Ratio	Lower	Upper
96	100		
61	161.3	114.5	212.7
63	136.9	100.8	187.2

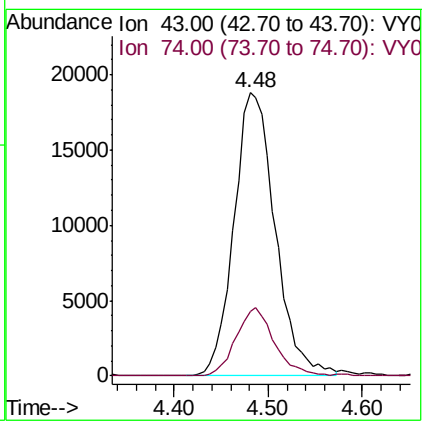


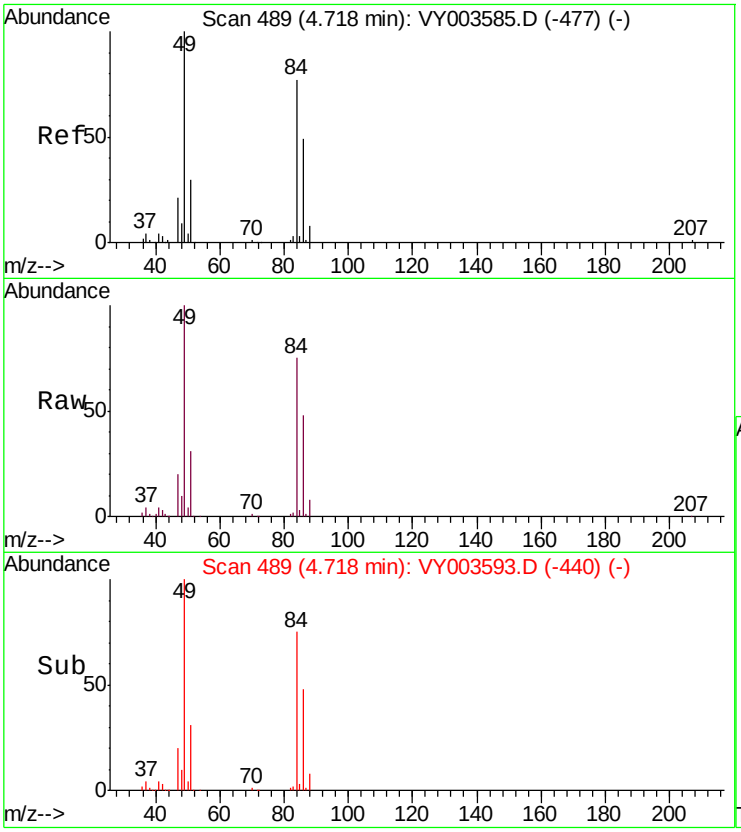


#15
Methyl Acetate
Concen: 24.108 ug/L
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion: 43 Resp: 57522

Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.0	27.0



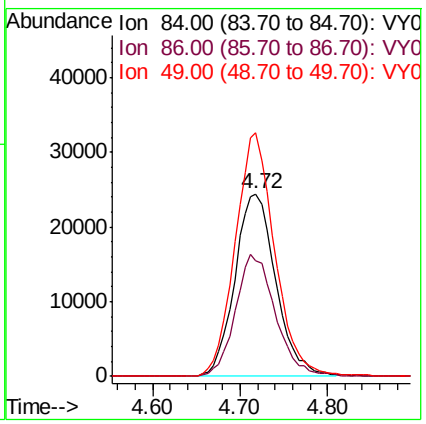


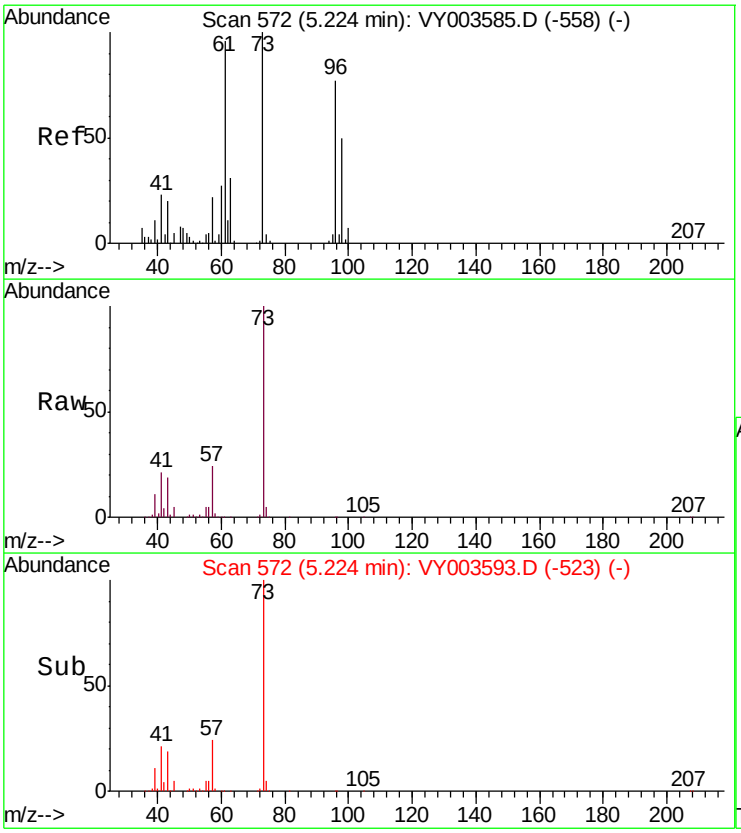
#16
Methylene chloride
Concen: 18.223 ug/L
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion: 84 Resp: 79501

Ion	Ratio	Lower	Upper
84	100		
86	63.6	45.2	84.0
49	133.4	91.5	169.9

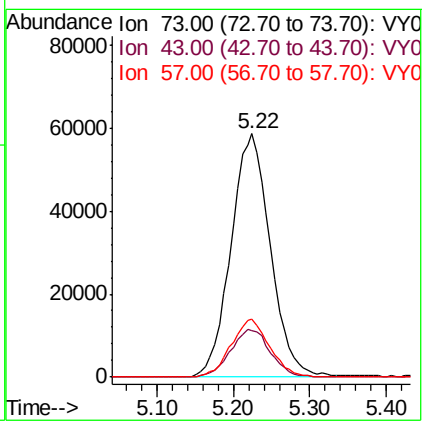


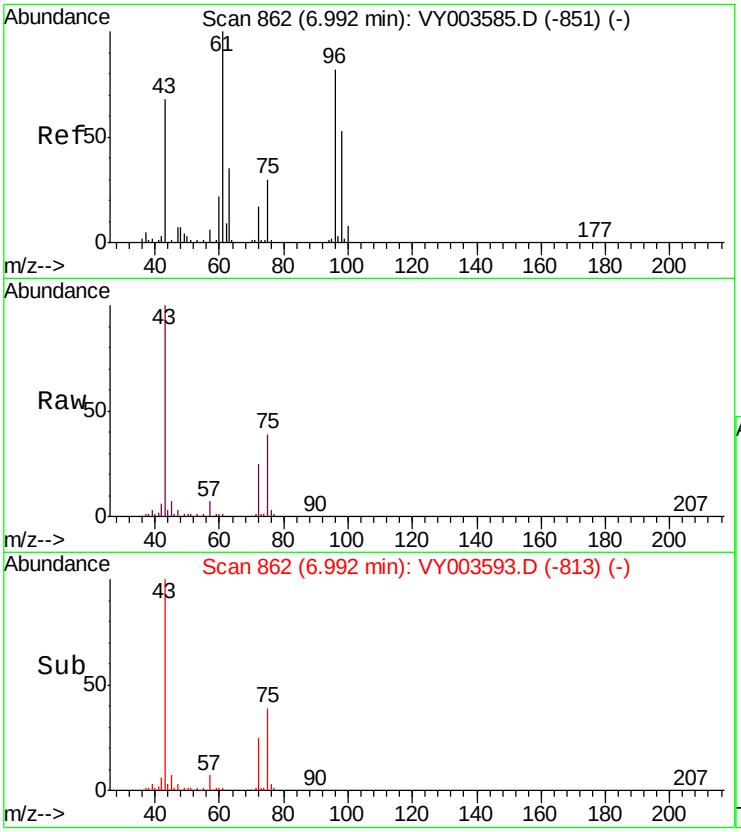


#18
Methyl tert-butyl Ether
Concen: 41.005 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion: 73 Resp: 209202

Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.5	23.3
57	23.3	18.2	27.4



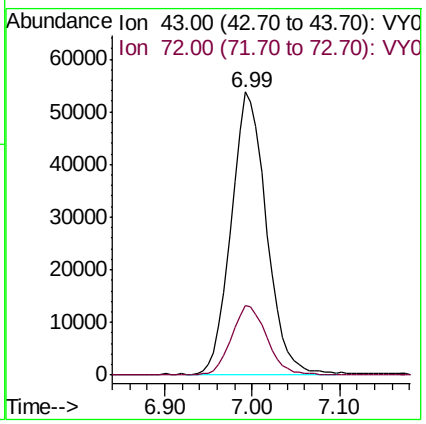


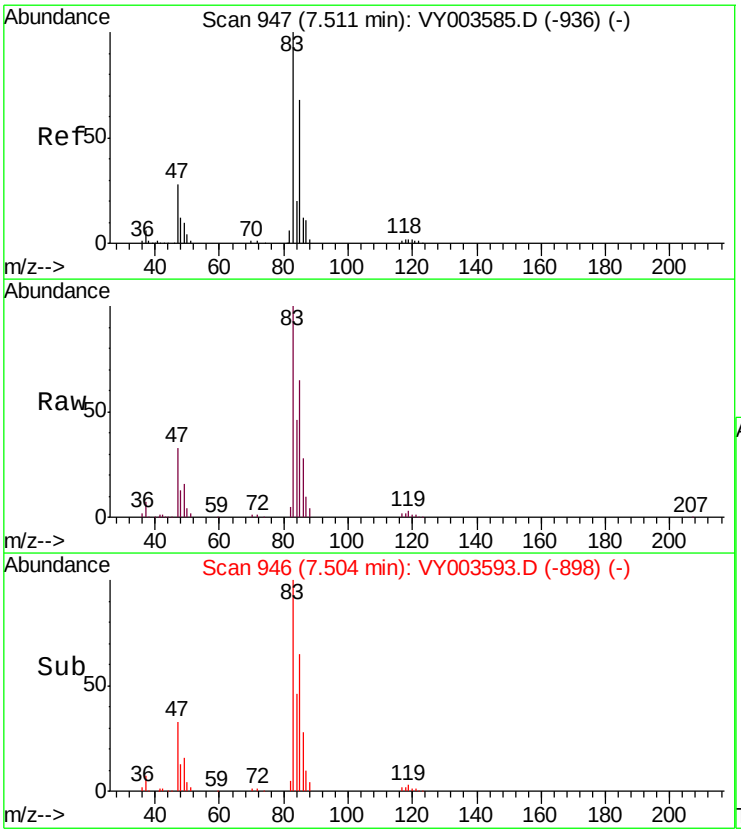
#22
2-Butanone
Concen: 98.350 ug/L
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion: 43 Resp: 150011

Ion	Ratio	Lower	Upper
43	100		
72	24.8	13.0	38.9

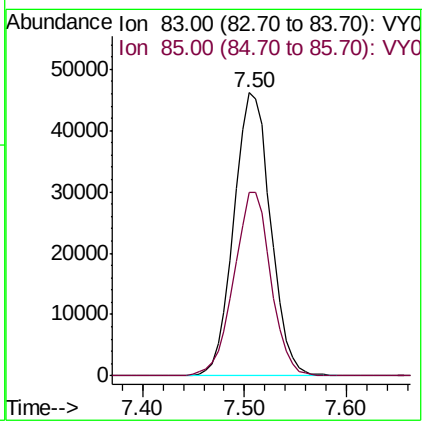


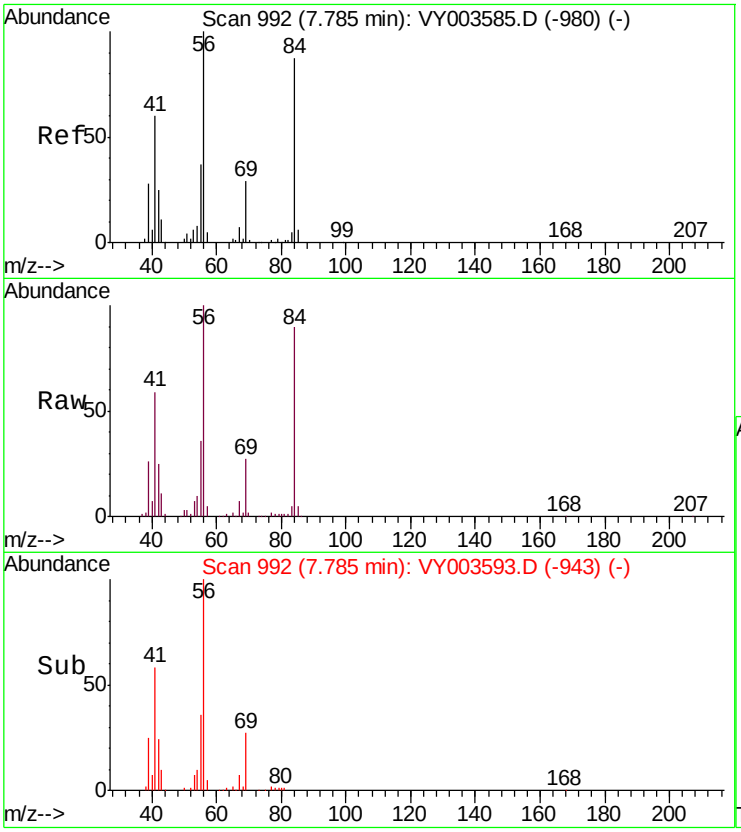


#25
Chloroform
Concen: 19.927 ug/L
RT: 7.50 min Scan# 946
Delta R.T. -0.01 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion: 83 Resp: 115398

Ion	Ratio	Lower	Upper
83	100		
85	65.0	47.4	88.0



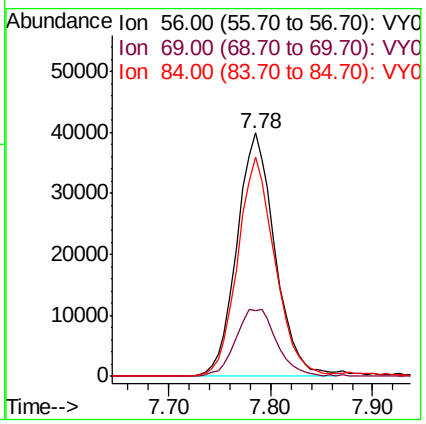


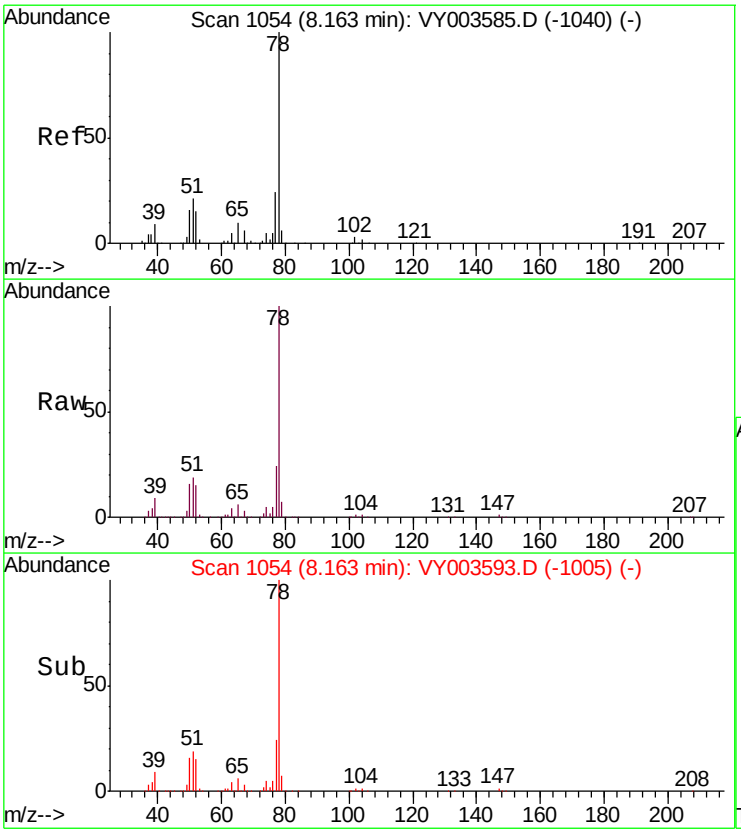
#29
Cyclohexane
Concen: 20.762 ug/L
RT: 7.78 min Scan# 992
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion: 56 Resp: 103671

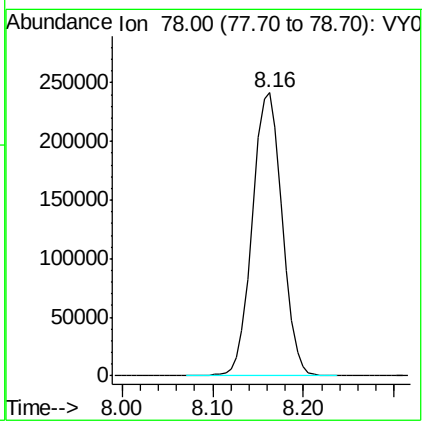
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.3	34.9
84	88.3	70.6	105.8

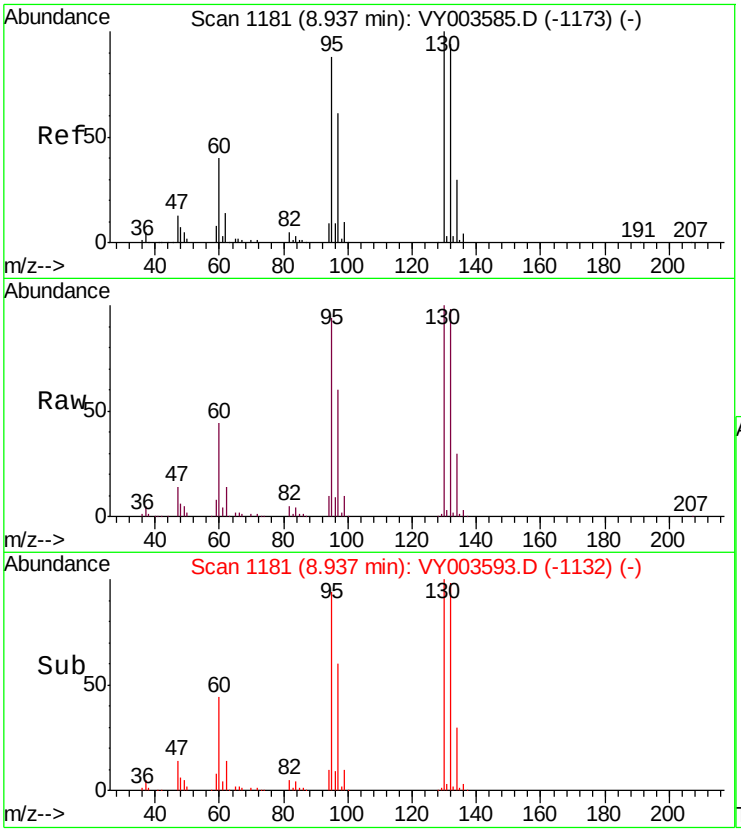




#33
Benzene
Concen: 41.224 ug/L
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion: 78 Resp: 550028



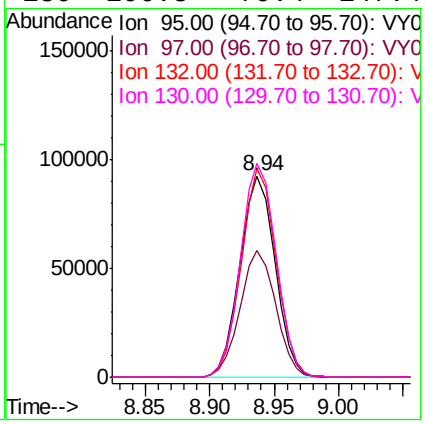


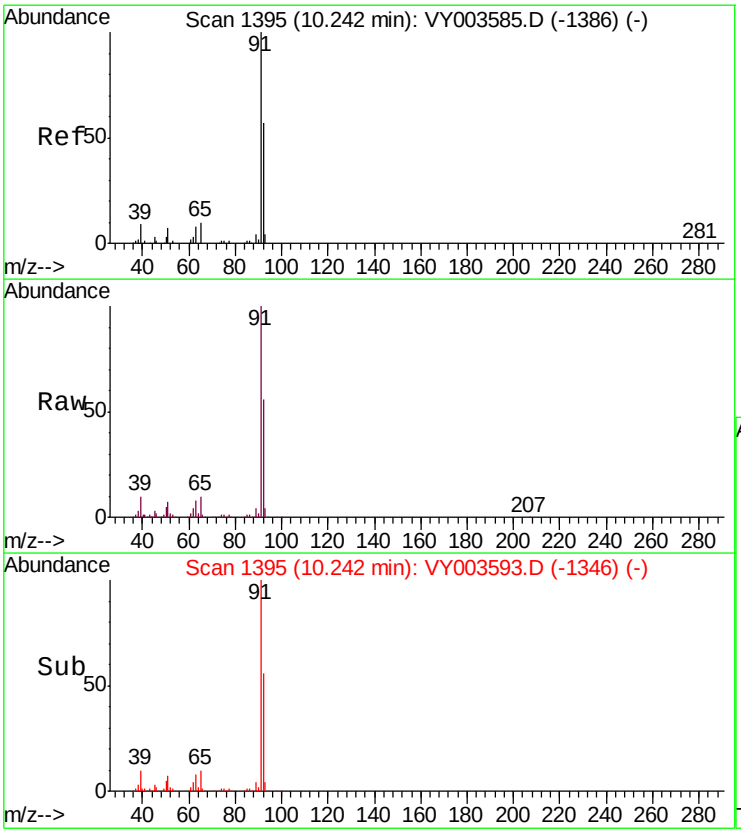
#34
Trichloroethene
Concen: 53.014 ug/L
RT: 8.94 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument : MSVOA_Y
ClientSampleId : VSTD025407

Tgt Ion: 95 Resp: 175375

Ion	Ratio	Lower	Upper
95	100		
97	63.3	48.8	90.6
132	103.8	74.9	139.1
130	106.3	79.4	147.4

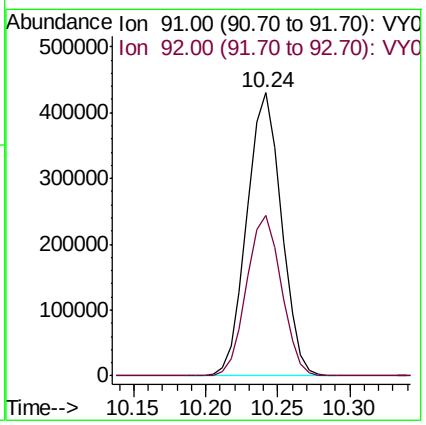


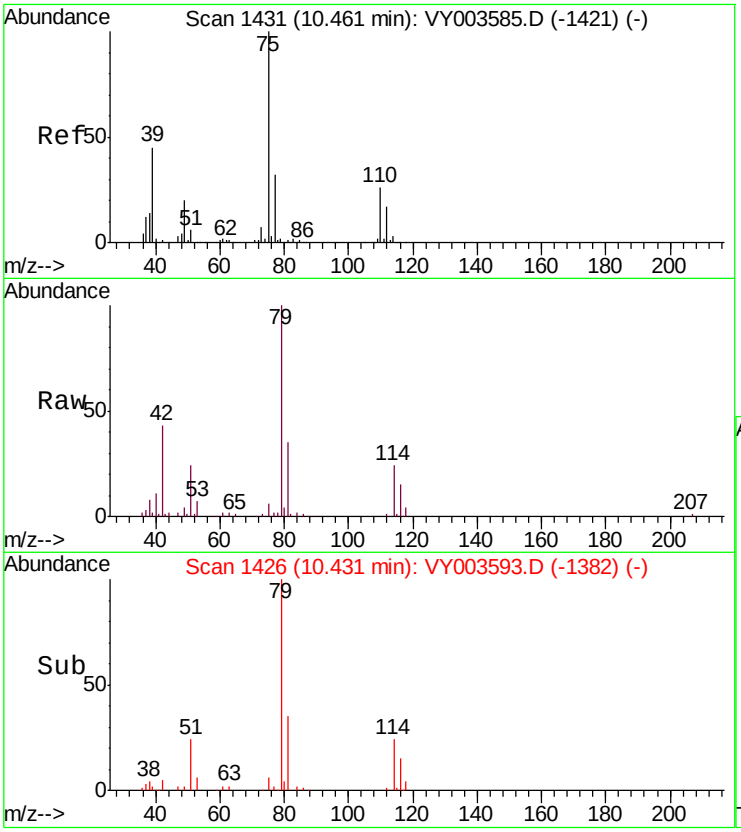


#42
Toluene
Concen: 50.928 ug/L
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion: 91 Resp: 713937

Ion	Ratio	Lower	Upper
91	100		
92	56.5	39.6	73.6



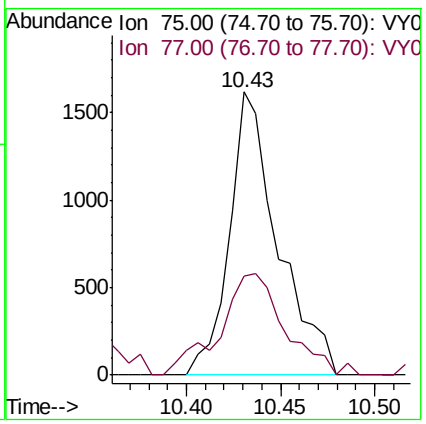


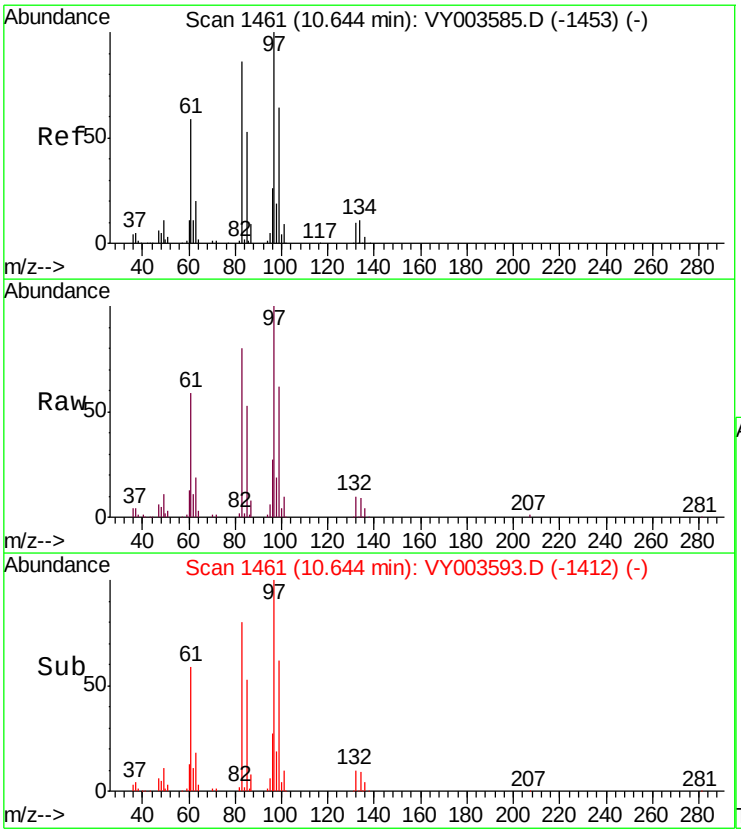
#44
trans-1,3-Dichloropropene
Concen: 0.595 ug/L
RT: 10.43 min Scan# 1426
Delta R.T. -0.03 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion: 75 Resp: 2883

Ion	Ratio	Lower	Upper
75	100		
77	34.9	22.9	42.5

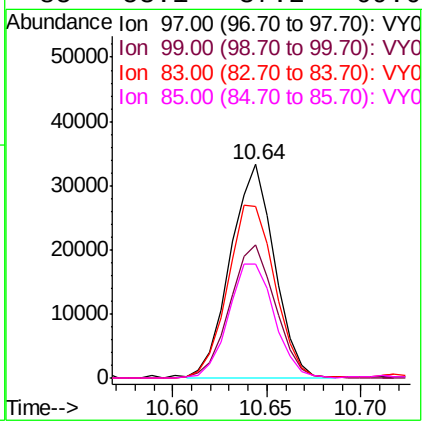


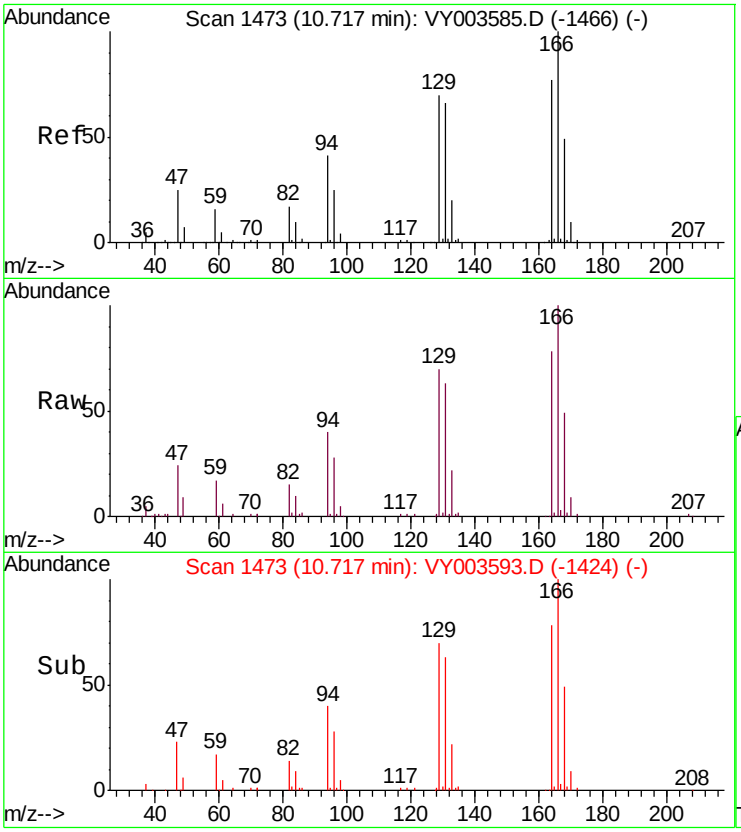


#45
1,1,2-Trichloroethane
Concen: 19.805 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion: 97 Resp: 54150

Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.9	83.5
83	80.2	59.8	111.1
85	53.1	37.2	69.0



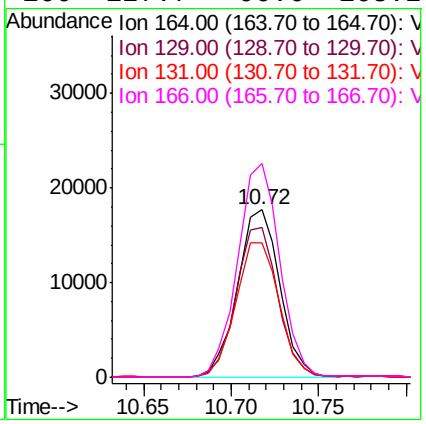


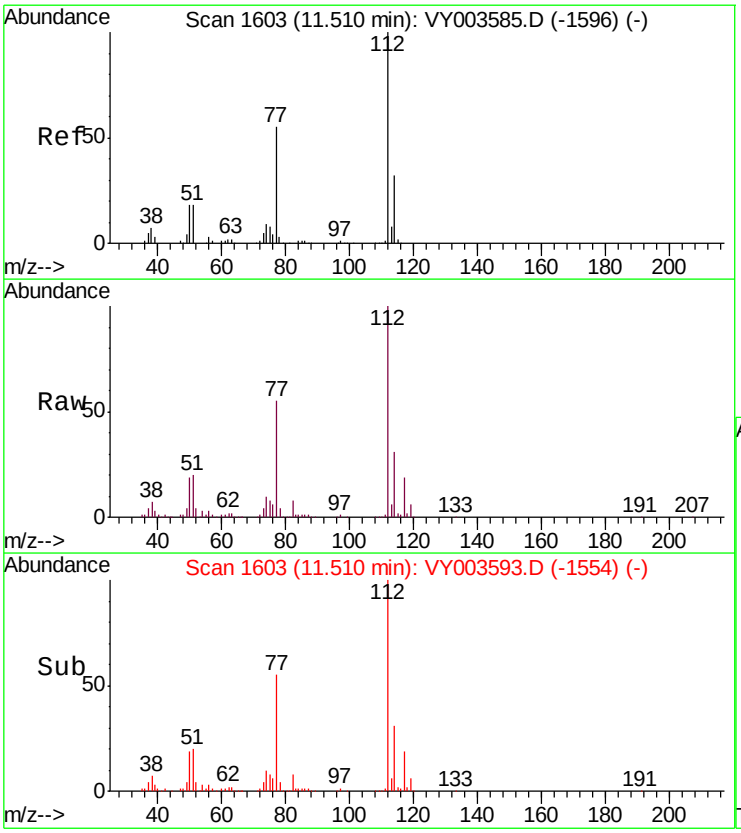
#46
Tetrachloroethene
Concen: 10.301 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion:164 Resp: 29864

Ion	Ratio	Lower	Upper
164	100		
129	89.8	63.5	117.9
131	80.5	59.6	110.6
166	127.7	90.6	168.2

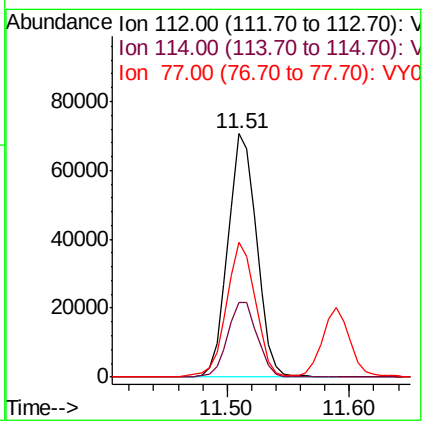


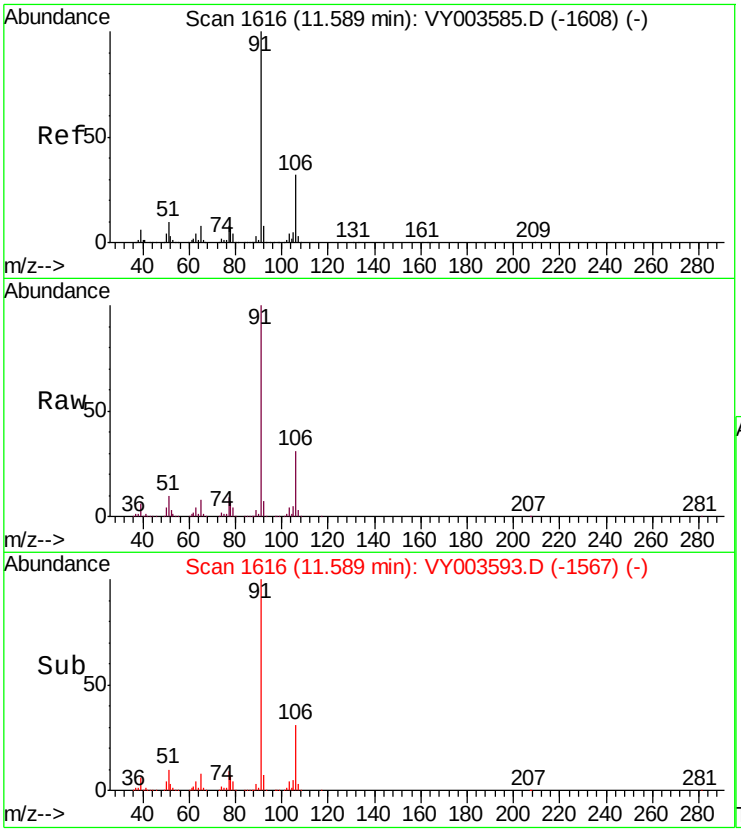


#51
Chlorobenzene
Concen: 12.846 ug/L
RT: 11.51 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion:112 Resp: 114582

Ion	Ratio	Lower	Upper
112	100		
114	30.6	22.4	41.6
77	55.3	44.2	66.2



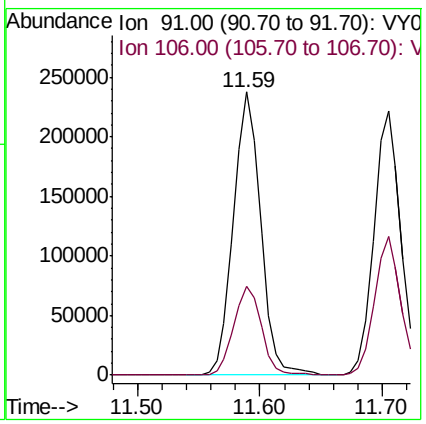


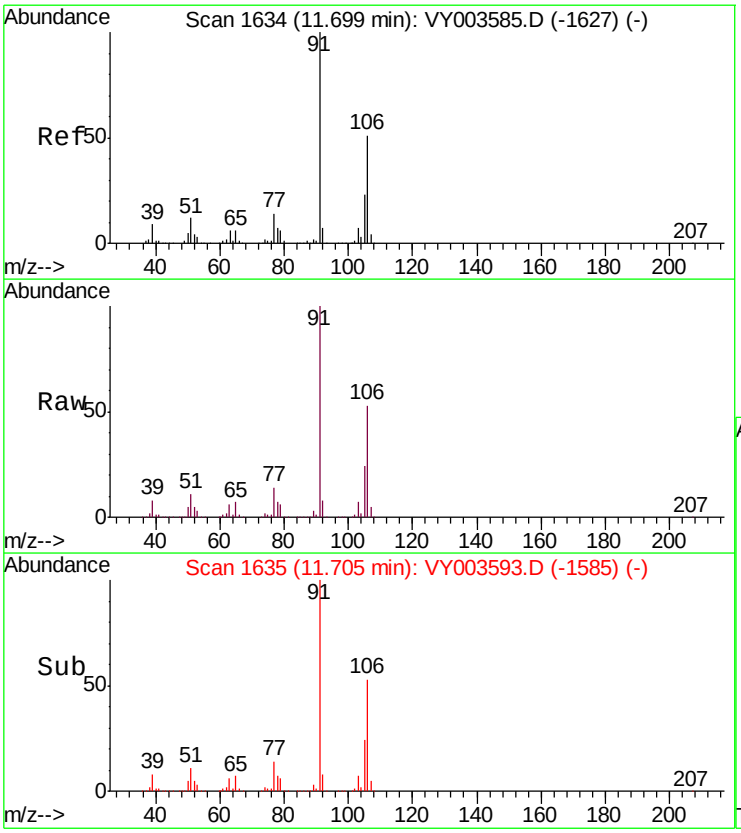
#52
Ethylbenzene
Concen: 25.660 ug/L
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion: 91 Resp: 367033

Ion	Ratio	Lower	Upper
91	100		
106	31.5	22.7	42.1

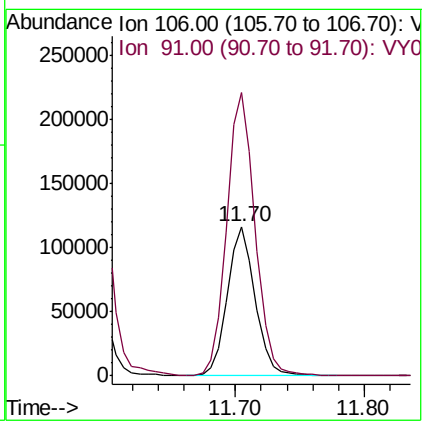


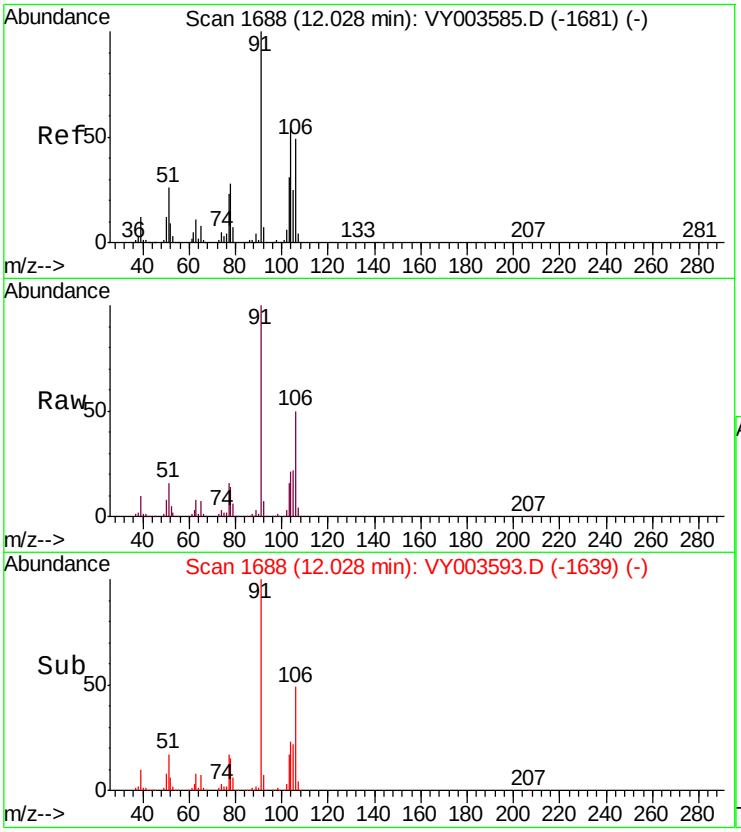


#53
m,p-Xylene
Concen: 31.873 ug/L
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion:106 Resp: 175946

Ion	Ratio	Lower	Upper
106	100		
91	189.8	138.2	256.6



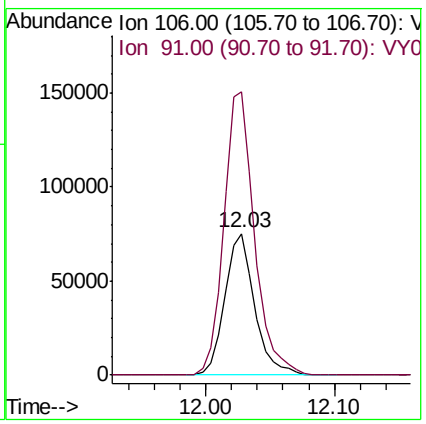


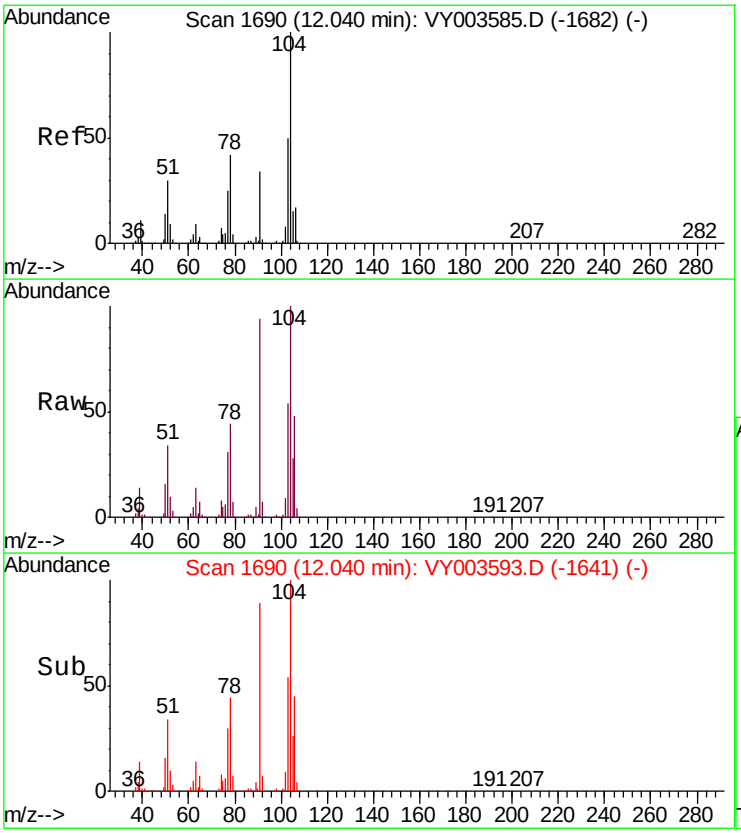
#54
o-Xylene
Concen: 26.062 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion:106 Resp: 121594

Ion	Ratio	Lower	Upper
106	100		
91	200.1	143.2	266.0

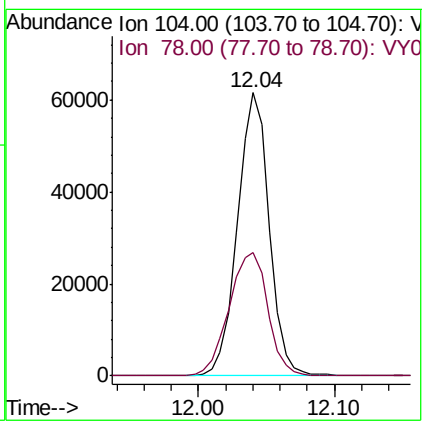


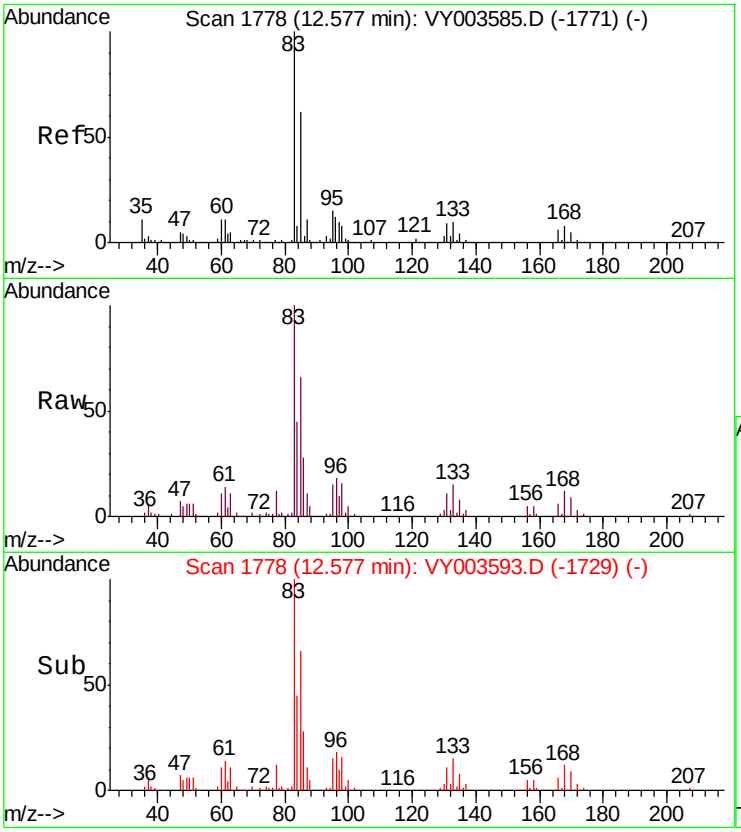


#55
Styrene
Concen: 10.946 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion:104 Resp: 99876

Ion	Ratio	Lower	Upper
104	100		
78	43.8	29.5	54.7



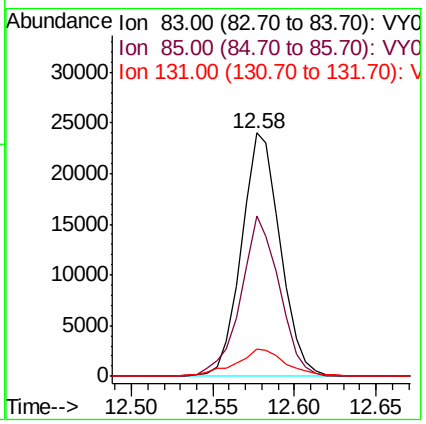


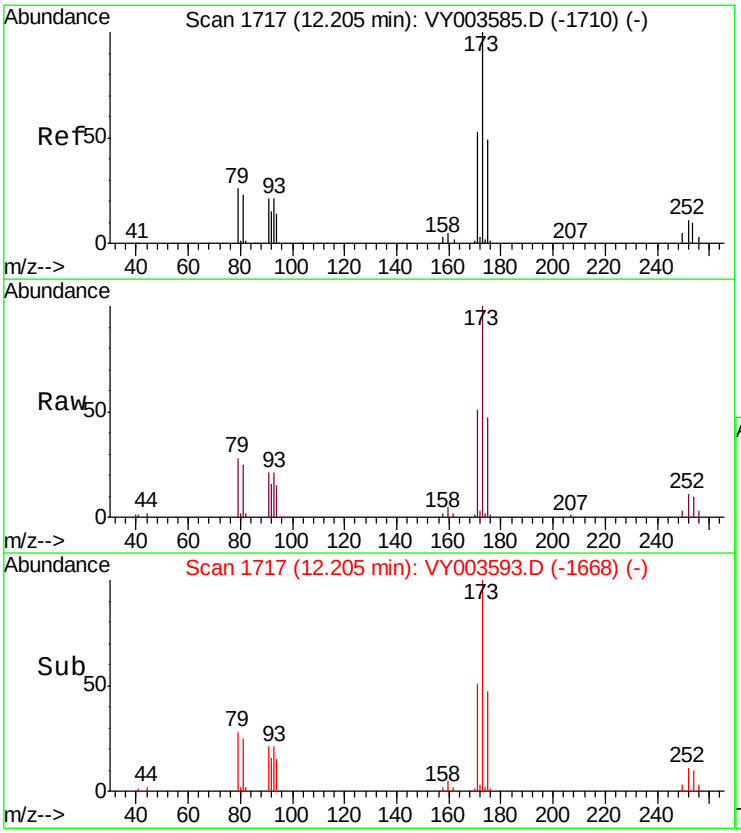
#57
1,1,2,2-Tetrachloroethane
Concen: 12.079 ug/L
RT: 12.58 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion: 83 Resp: 39760

Ion	Ratio	Lower	Upper
83	100		
85	65.7	43.5	80.9
131	11.3	7.3	10.9#

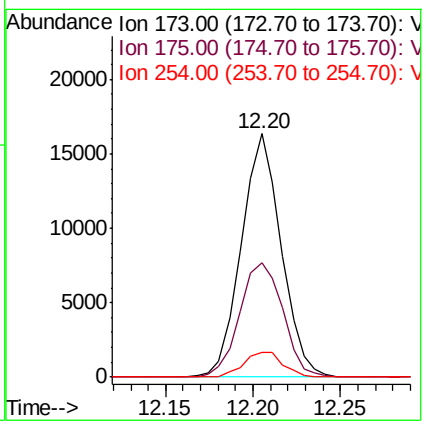


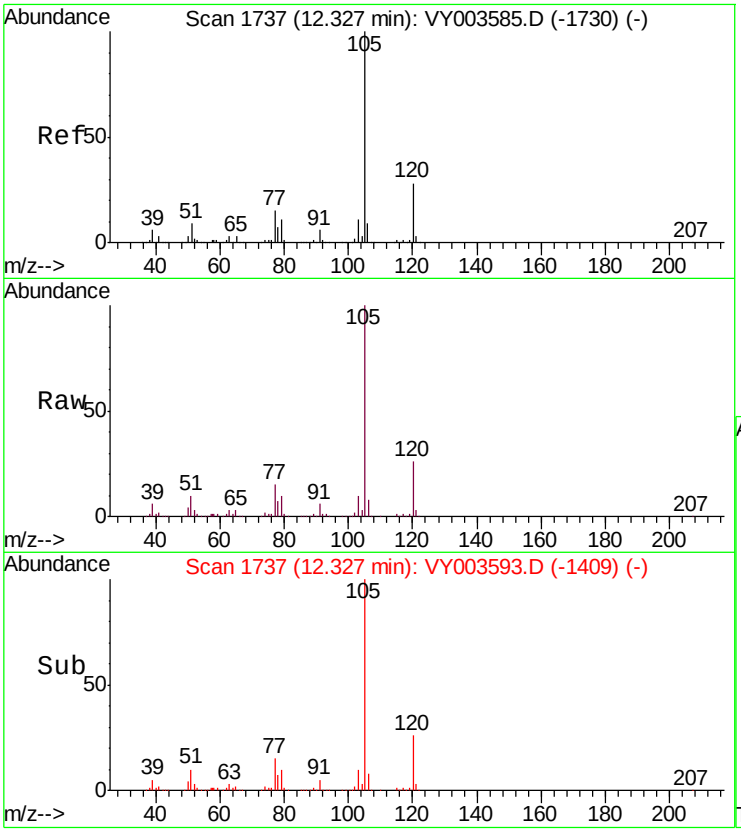


#59
Bromoform
Concen: 11.592 ug/L
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion:173 Resp: 25902

Ion	Ratio	Lower	Upper
173	100		
175	50.8	38.9	58.3
254	10.1	8.5	12.7



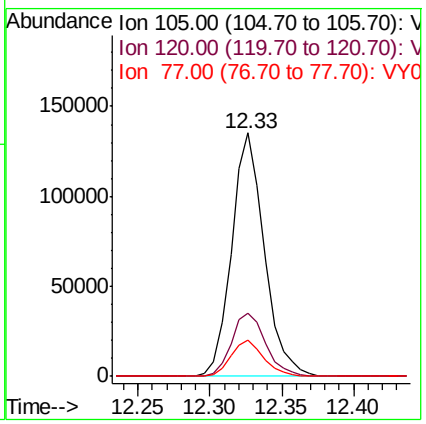


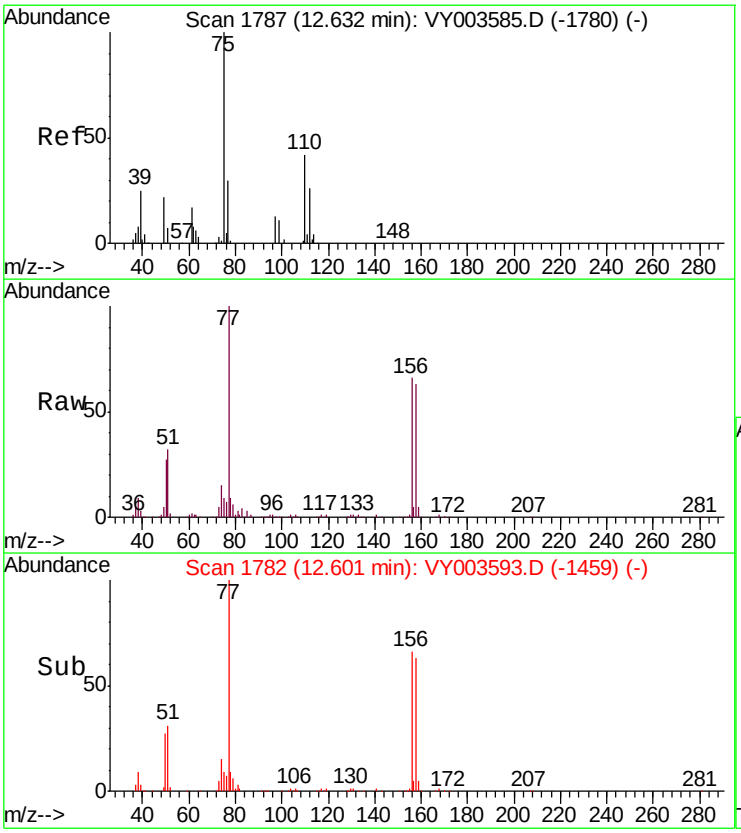
#60
Isopropylbenzene
Concen: 20.164 ug/L
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion:105 Resp: 213759

Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.8	32.6
77	15.1	12.0	18.0

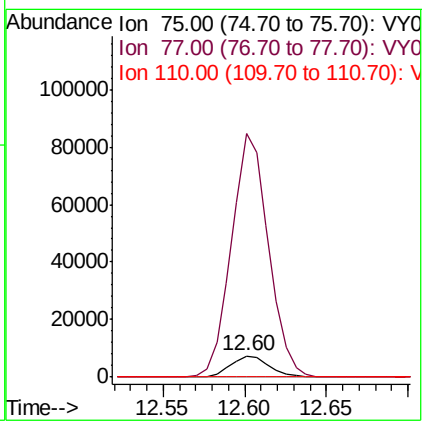


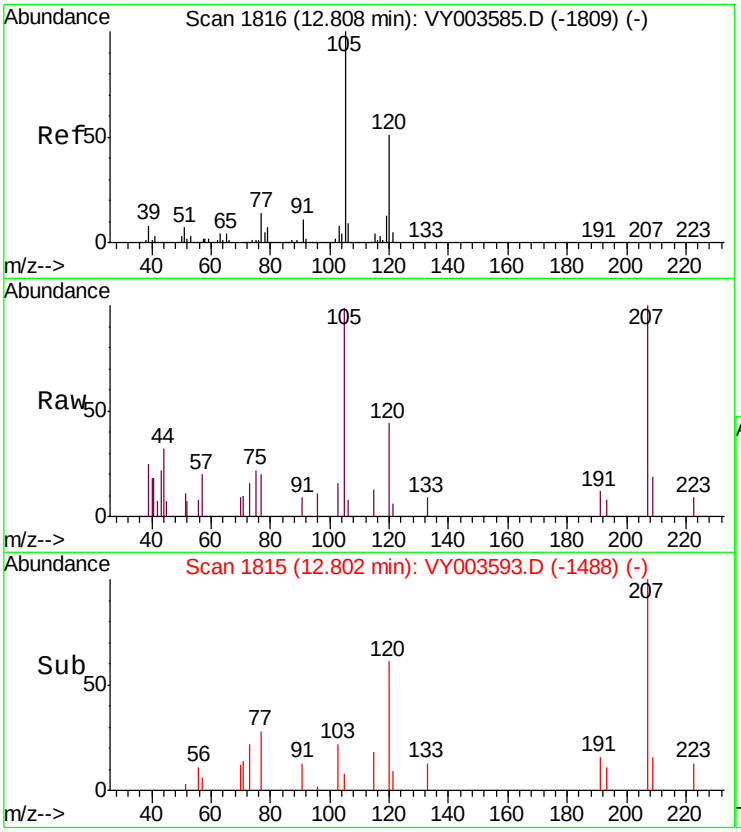


#61
1,2,3-Trichloropropane
Concen: 4.798 ug/L
RT: 12.60 min Scan# 1782
Delta R.T. -0.03 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion: 75 Resp: 12249

Ion	Ratio	Lower	Upper
75	100		
77	1094.4	26.1	39.1#
110	0.0	33.4	50.0#



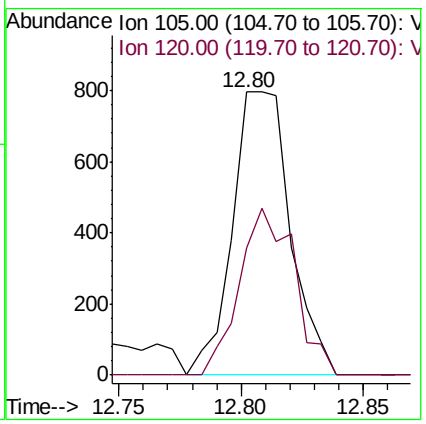


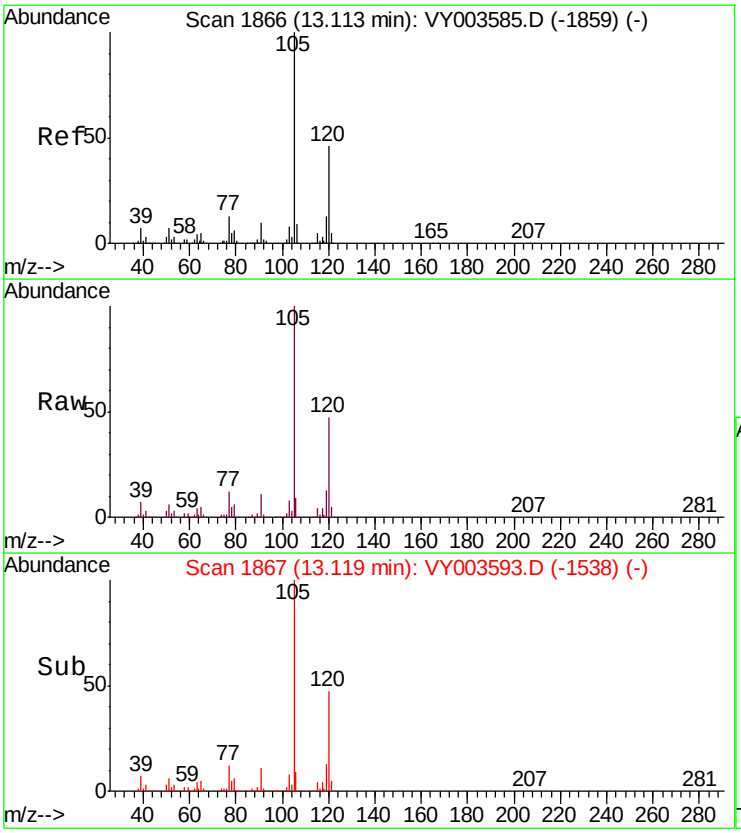
#62
1,3,5-Trimethylbenzene
Concen: 0.168 ug/L
RT: 12.80 min Scan# 1815
Delta R.T. -0.01 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion:105 Resp: 1312

Ion	Ratio	Lower	Upper
105	100		
120	56.0	41.8	62.6

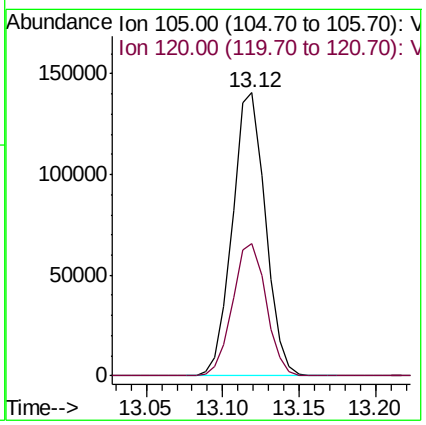


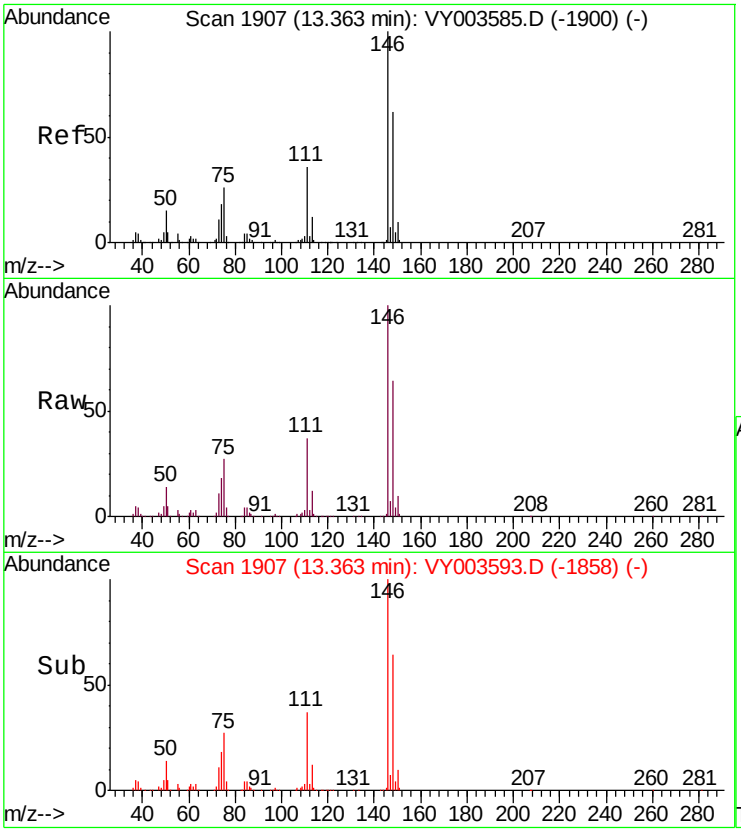


#63
1,2,4-Trimethylbenzene
Concen: 25.428 ug/L
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion:105 Resp: 210160

Ion	Ratio	Lower	Upper
105	100		
120	47.5	38.2	57.4



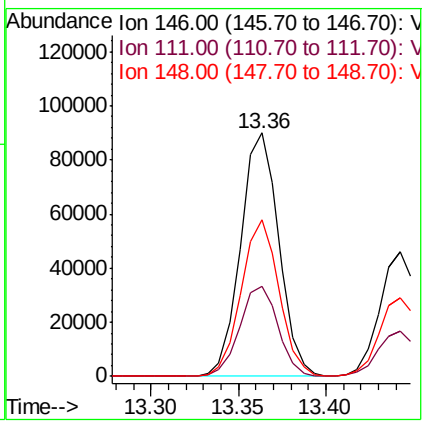


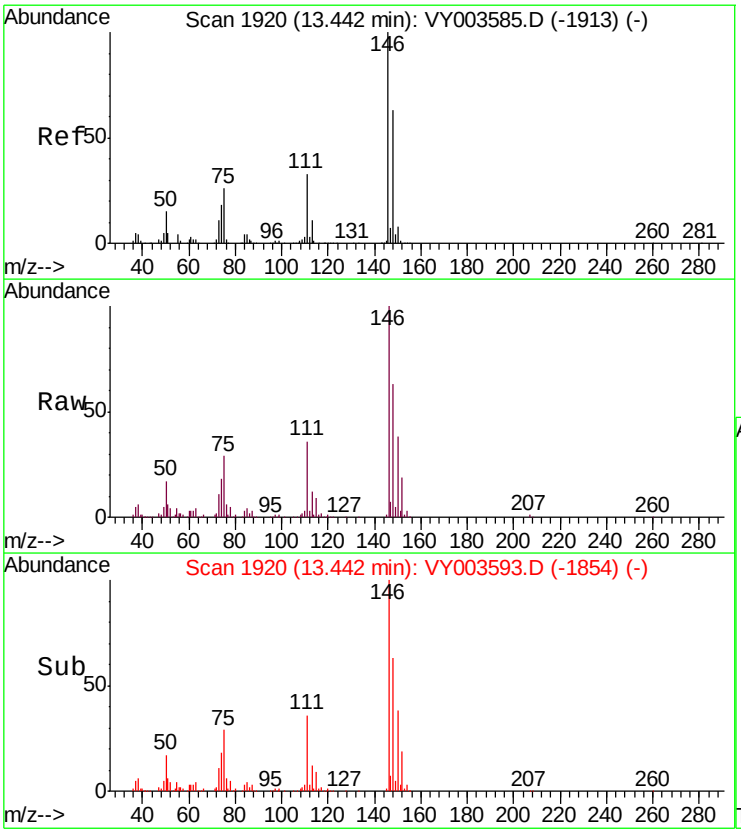
#64
1,3-Dichlorobenzene
Concen: 20.436 ug/L
RT: 13.36 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion:146 Resp: 137596

Ion	Ratio	Lower	Upper
146	100		
111	37.1	25.5	47.3
148	64.2	43.3	80.5

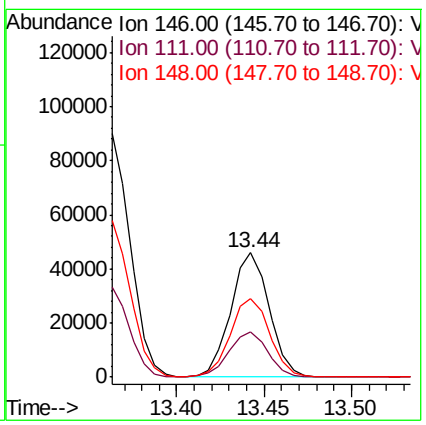


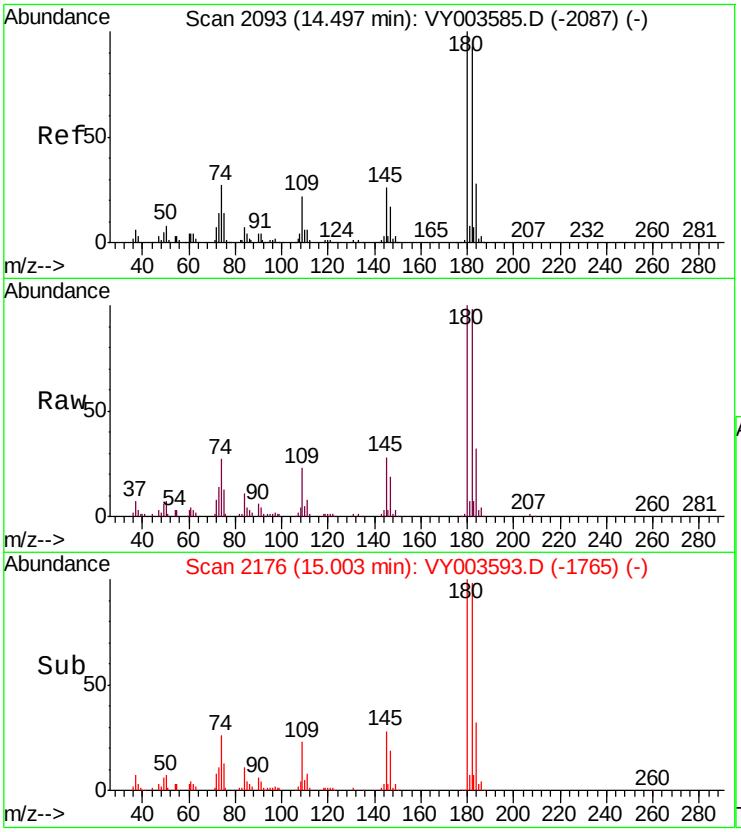


#65
1,4-Dichlorobenzene
Concen: 10.017 ug/L
RT: 13.44 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion:146 Resp: 70223

Ion	Ratio	Lower	Upper
146	100		
111	36.3	23.4	43.6
148	63.3	44.2	82.2



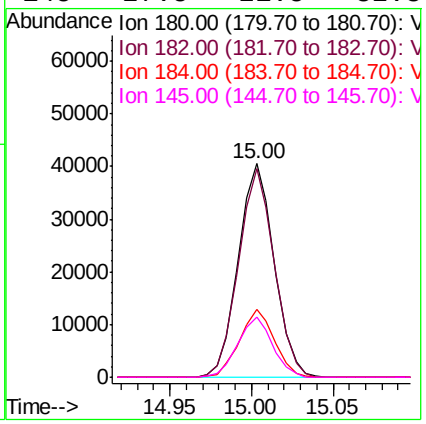


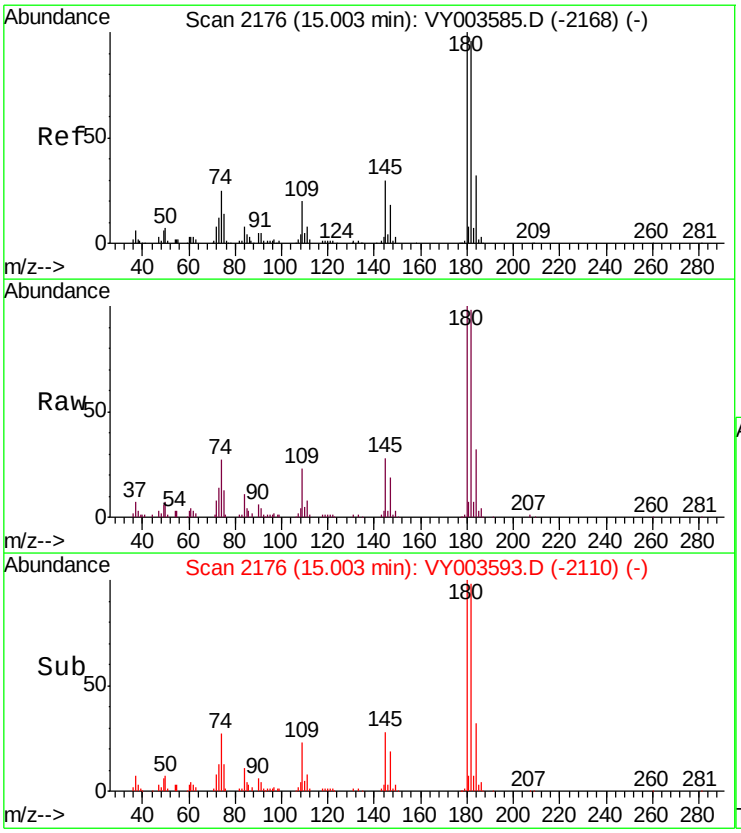
#69
1,3,5-Trichlorobenzene
Concen: 17.057 ug/L
RT: 15.00 min Scan# 2176
Delta R.T. 0.51 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion:180 Resp: 61958

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.6	115.0
184	31.1	23.5	35.3
145	27.5	21.5	32.3

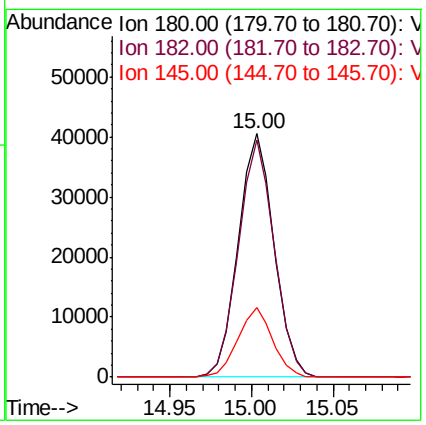


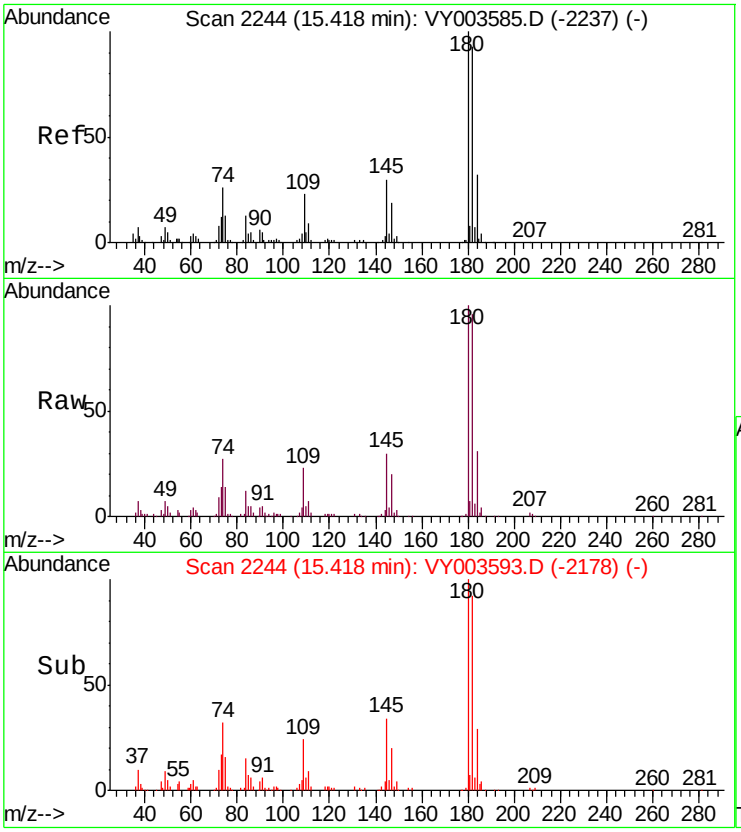


#70
1,2,4-trichlorobenzene
Concen: 19.717 ug/L
RT: 15.00 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Tgt Ion:180 Resp: 61958

Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.7	113.5
145	27.5	22.5	33.7





#72
1,2,3-Trichlorobenzene
Concen: 31.168 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY003593.D
Acq: 23 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025407

Tgt Ion:180 Resp: 74021

Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.0	112.4
145	28.9	23.6	35.4