Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072718\

Quantitation Report (Not Reviewed)

Data File : VW004226.D
Acq On : 26 Jul 2018 12:48
Operator : SY/AP
Sample : VSTD02587
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD02587

Quant Time: Jul 26 13:20:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 26 12:17:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	393123	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	365629	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	185003	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	86745	22.31	ug/L	0.00
7) Chloroethane-d5	2.89	69	63006	22.48	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	211493	22.67	ug/L	0.00
20) 2-Butanone-d5	7.09	46	105661	46.34	ug/L	0.00
24) Chloroform-d	7.65	84	232960	24.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	140199	24.95	ug/L	0.00
29) Benzene-d6	8.27	84	466739	27.52	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	148825	26.31	ug/L	0.00
37) Toluene-d8	10.33	98	446713	29.31	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	70069	28.19	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	82293	54.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	154690	24.96	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	160212	26.93	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	58802	23.362	ug/L #	86
3) Chloromethane	2.21	50	93774	23.304	ug/L	95
5) Vinyl chloride	2.36	62	114822	18.950	ug/L	96
6) Bromomethane	2.78	94	65423	20.339	ug/L	98
8) Chloroethane	2.92	64	62950	19.818	ug/L	99
9) Trichlorofluoromethane	3.25	101	56845	18.830	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	110300	20.546	ug/L	96
12) 1,1-Dichloroethene	4.03	96	106538	20.359	ug/L	85
13) Acetone	4.12	43	107167	43.229	ug/L	100
14) Carbon disulfide	4.37	76	349325	20.634	ug/L	99
15) Methyl Acetate	4.67	43	88901	21.021	ug/L	99
16) Methylene chloride	4.91	84	117681	15.604	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	221290	21.865	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	114582	21.268	ug/L	97
19) 1,1-Dichloroethane	6.21	63	227502	22.196	ug/L	97
21) 2-Butanone	7.18	43	140320	45.619	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	133109	23.115	ug/L	97
23) Bromochloromethane	7.51	128	61745	22.804	ug/L	96
25) Chloroform	7.68	83	234573	22.411	ug/L	100
27) 1,2-Dichloroethane	8.40	62	171721	22.260	ug/L	97
30) Cyclohexane	7.96	56	214991	24.109	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	182497	21.947	ug/L	98
32) Carbon tetrachloride	8.07	117	177059	22.070	ug/L	99
34) Benzene	8.32	78	529111	23.608	ug/L	100
35) Trichloroethene	9.09	95	134136	22.369	ug/L	98
36) Methylcyclohexane	9.34	83	236517	23.864	ug/L	100
40) 1,2-Dichloropropane	9.37	63	140284	23.089	ug/L	99
41) Bromodichloromethane	9.65	83	172622	23.076	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	208839	24.394	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	257632	48.235	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072718\

Quantitation Report (Not Reviewed)

Data File : VW004226.D
Acq On : 26 Jul 2018 12:48
Operator : SY/AP
Sample : VSTD02587
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD02587

Quant Time: Jul 26 13:20:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 26 12:17:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	559828	23.838	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	192584	24.389	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	110290	23.357	ug/L	99
47) Tetrachloroethene	10.87	164	108846	22.506	ug/L	98
49) 2-Hexanone	10.98	43	207810	50.255	ug/L	99
50) Dibromochloromethane	11.13	129	124612	23.557	ug/L	94
51) 1,2-Dibromoethane	11.24	107	107303	23.267	ug/L	95
52) Chlorobenzene	11.66	112	345504	22.945	ug/L	97
53) Ethylbenzene	11.74	91	602265	23.691	ug/L	98
54) m,p-Xylene	11.85	106	228365	24.373	ug/L	97
55) o-xylene	12.17	106	215189	24.011	ug/L	98
56) Styrene	12.19	104	382164	24.685	ug/L	99
57) Isopropylbenzene	12.47	105	593525	24.155	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	150670	22.323	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	119665	22.904	ug/L	100
62) Bromoform	12.35	173	80152	22.957	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	261539	22.953	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	280038	22.921	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	266213	23.974	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	29094	22.474	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	207451	23.024	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	169820	23.502	ug/L	98
69) Naphthalene	15.38	128	409036	25.142	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	168718	24.541	ug/L	100

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

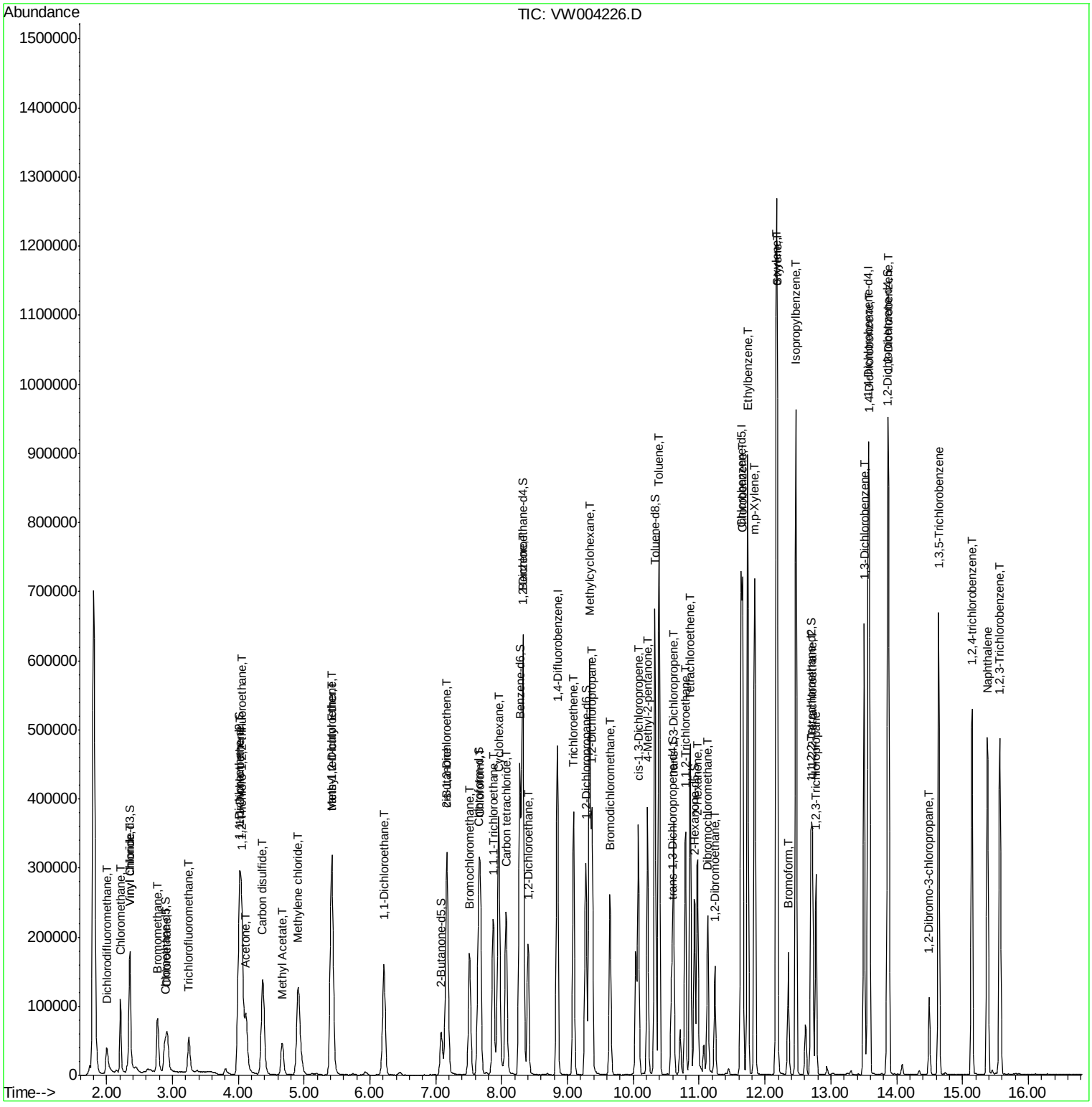
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072718\

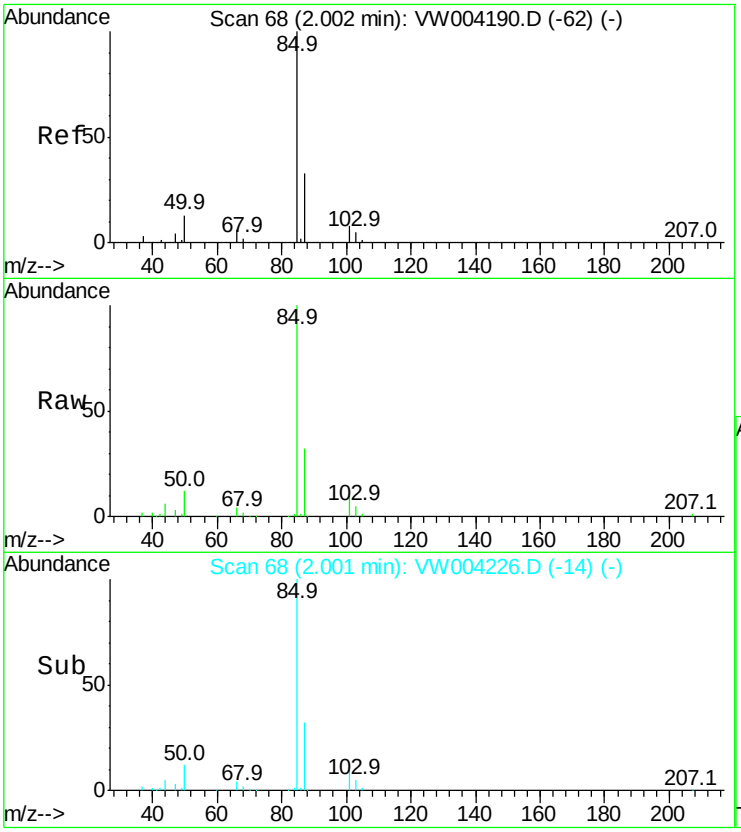
Quantitation Report (Not Reviewed)

Data File : VW004226.D
Acq On : 26 Jul 2018 12:48
Operator : SY/AP
Sample : VSTD02587
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

Quant Time: Jul 26 13:20:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 26 12:17:16 2018
Response via : Initial Calibration



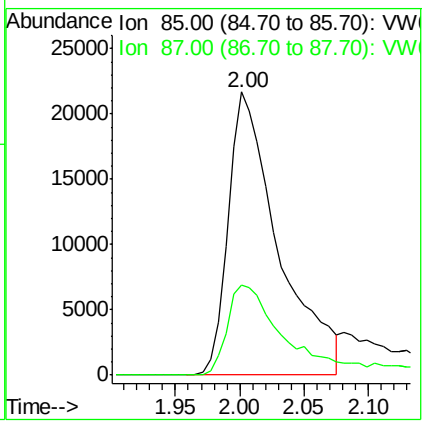


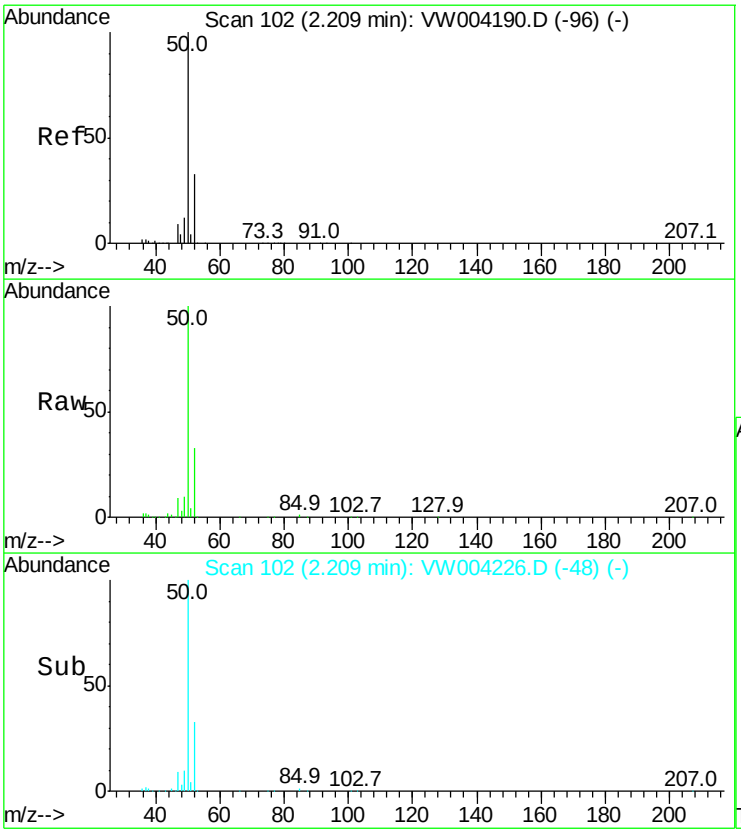
#2
Dichlorodifluoromethane
Concen: 23.362 ug/L
RT: 2.00 min Scan# 68
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

Tgt Ion: 85 Resp: 58802

Ion	Ratio	Lower	Upper
85	100		
87	32.5	0.1	0.1#

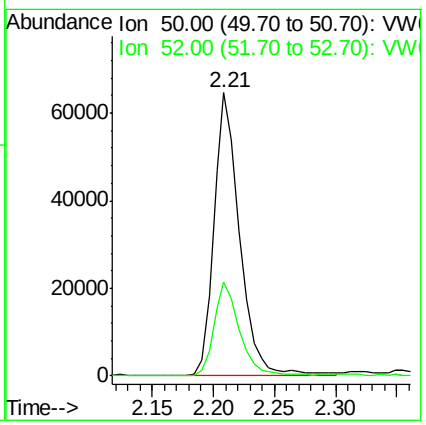


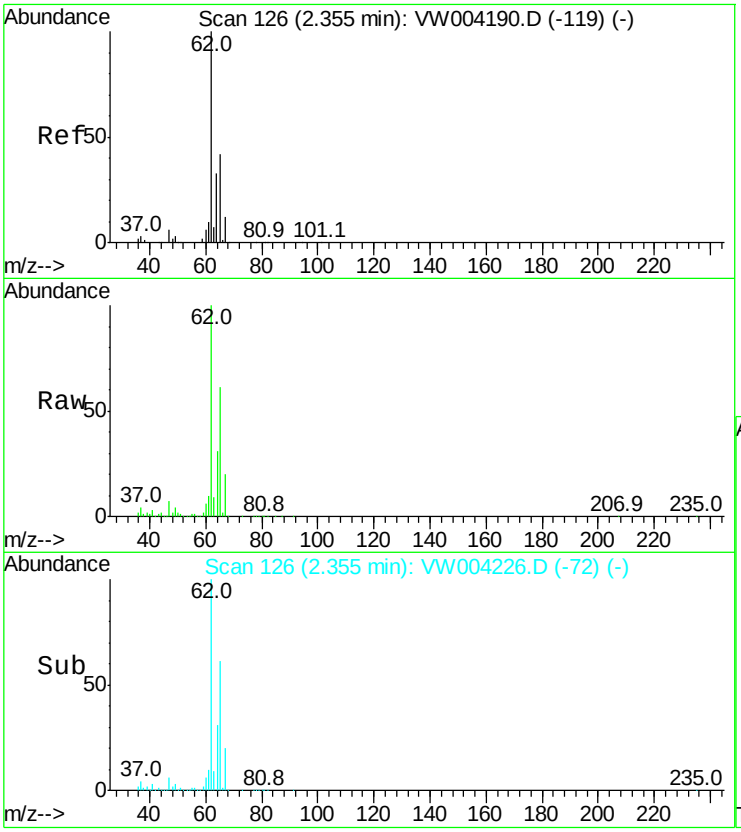


#3
Chloromethane
Concen: 23.304 ug/L
RT: 2.21 min Scan# 102
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 50 Resp: 93774

Ion	Ratio	Lower	Upper
50	100		
52	33.2	21.3	39.6



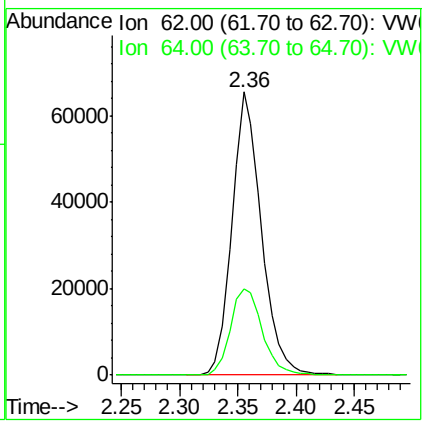


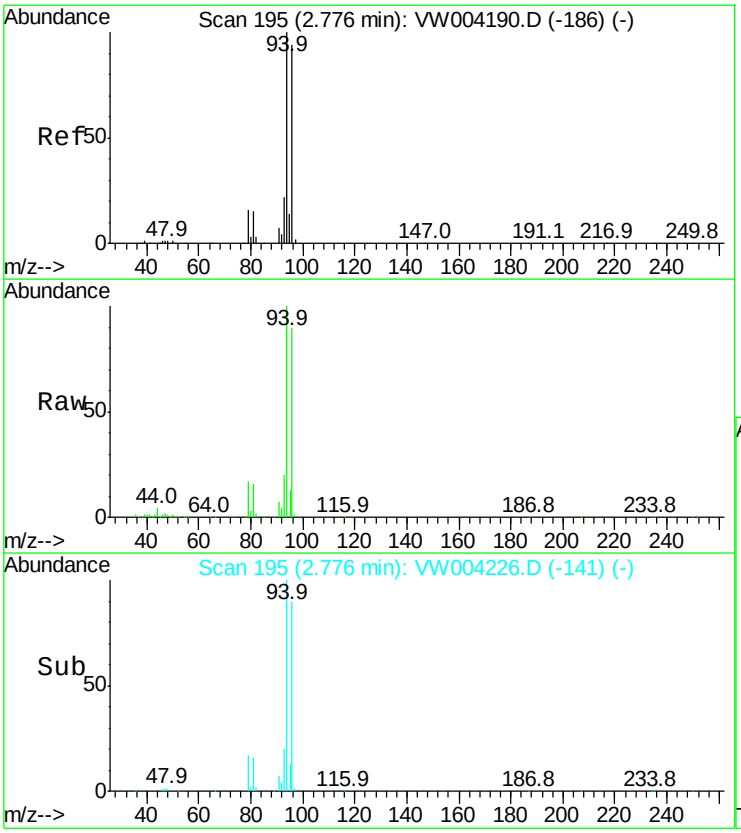
#5
Vinyl chloride
Concen: 18.950 ug/L
RT: 2.36 min Scan# 126
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

Tgt Ion: 62 Resp: 114822

Ion	Ratio	Lower	Upper
62	100		
64	30.6	23.1	42.9

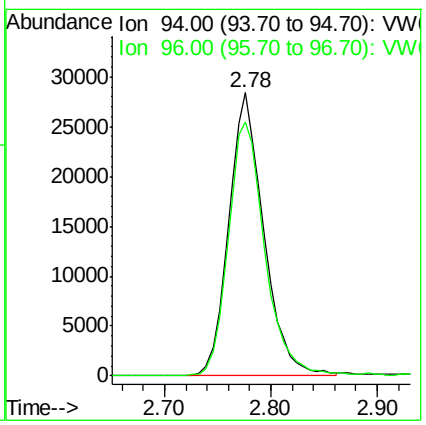


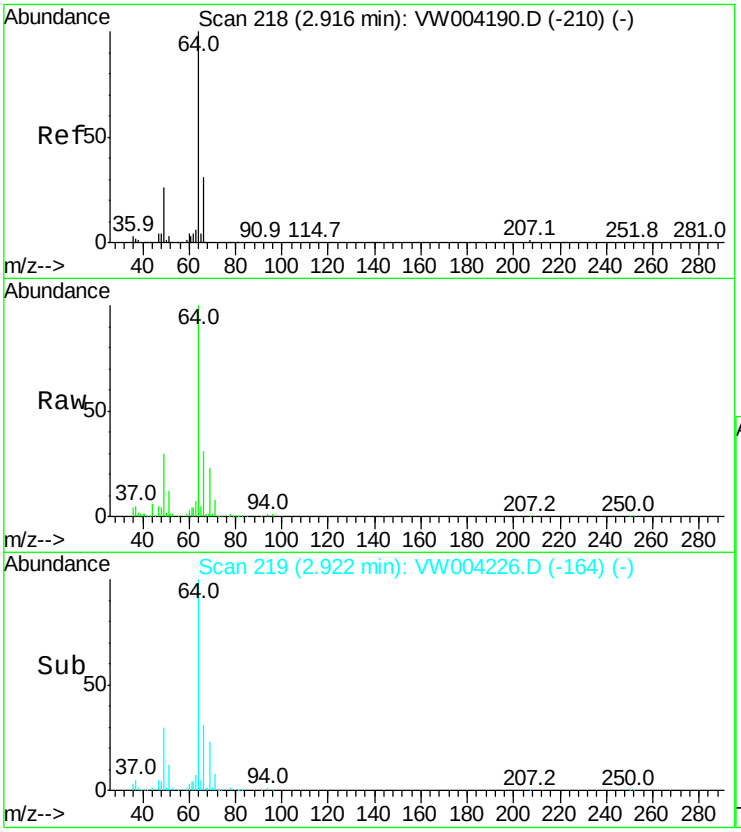


#6
Bromomethane
Concen: 20.339 ug/L
RT: 2.78 min Scan# 195
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 94 Resp: 65423

Ion	Ratio	Lower	Upper
94	100		
96	92.4	9.5	179.9



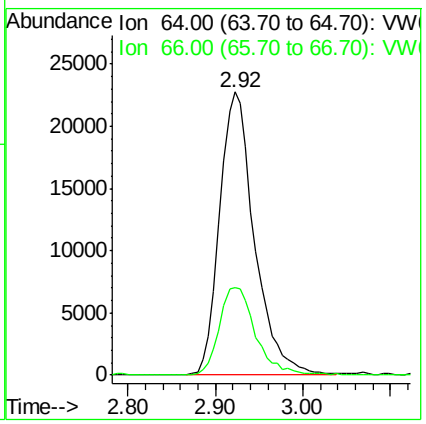


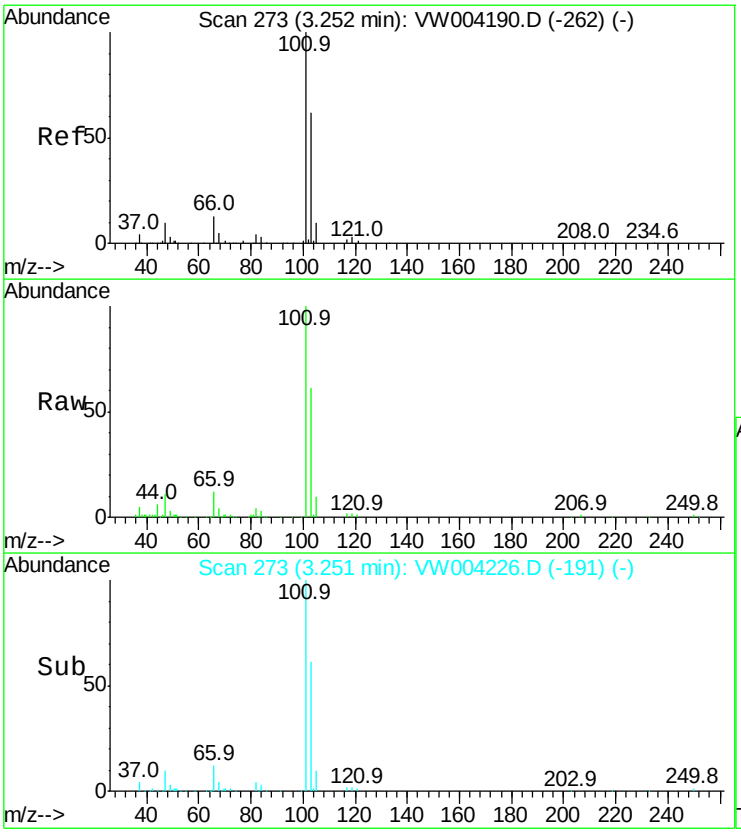
#8
Chloroethane
Concen: 19.818 ug/L
RT: 2.92 min Scan# 219
Delta R.T. 0.01 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument : MSVOA_W
ClientSampleId : VSTD02587

Tgt Ion: 64 Resp: 62950

Ion	Ratio	Lower	Upper
64	100		
66	30.9	21.2	39.4

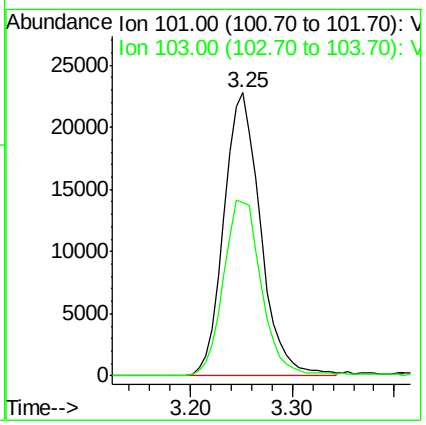


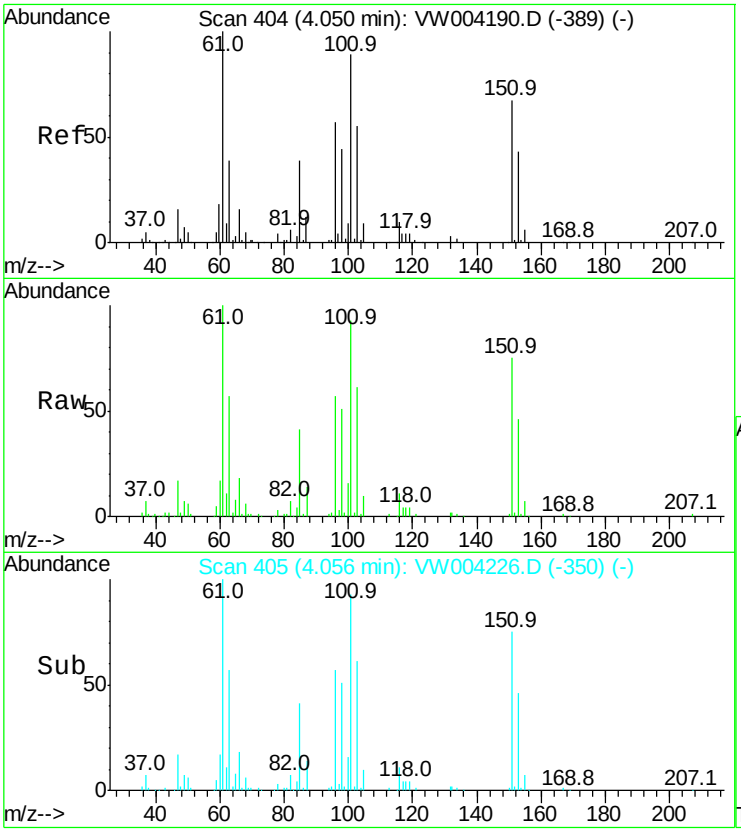


#9
Trichlorofluoromethane
Concen: 18.830 ug/L
RT: 3.25 min Scan# 273
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion:101 Resp: 56845

Ion	Ratio	Lower	Upper
101	100		
103	63.7	45.6	84.8



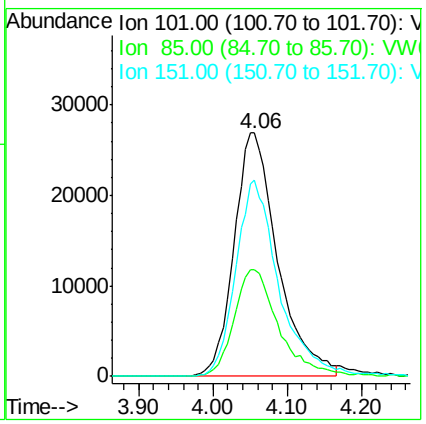


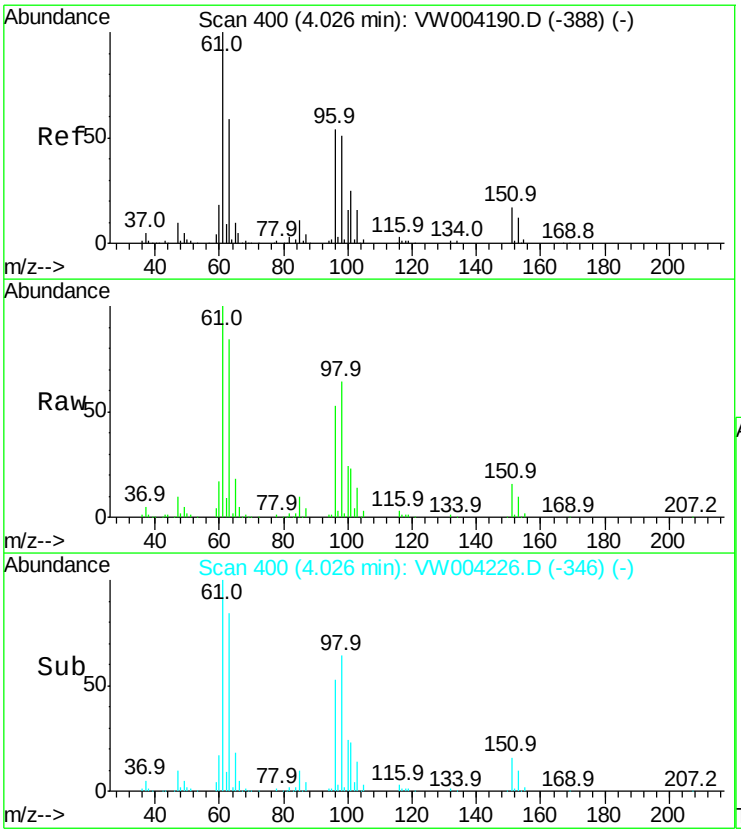
#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 20.546 ug/L
RT: 4.06 min Scan# 405
Delta R.T. 0.01 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

Tgt Ion:101 Resp: 110300

Ion	Ratio	Lower	Upper
101	100		
85	44.8	36.2	54.4
151	79.3	59.5	89.3

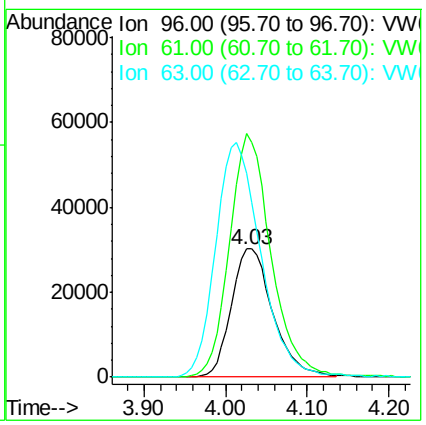


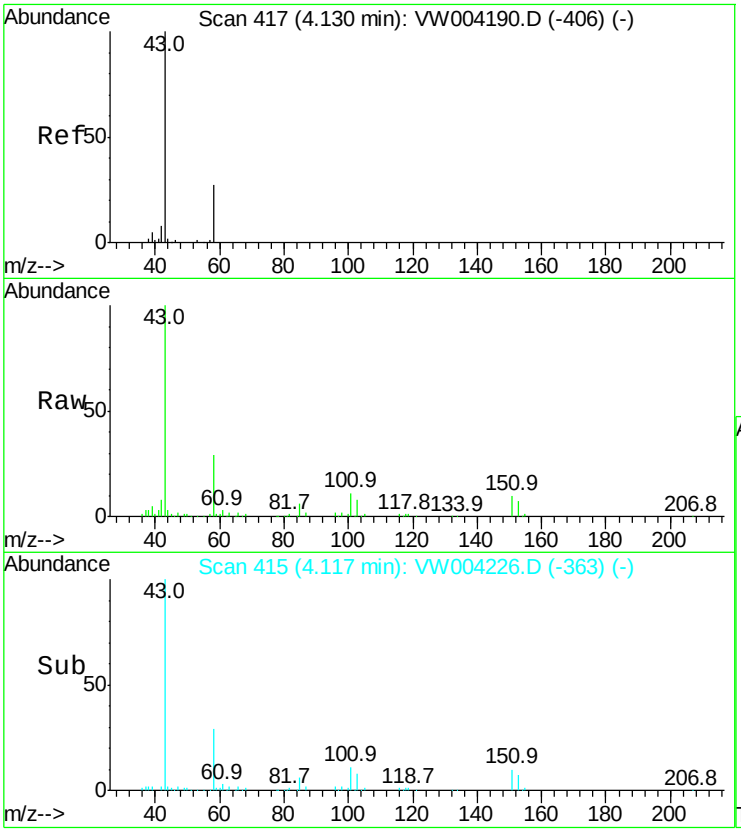


#12
1,1-Dichloroethene
Concen: 20.359 ug/L
RT: 4.03 min Scan# 400
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 96 Resp: 106538

Ion	Ratio	Lower	Upper
96	100		
61	190.2	127.3	236.5
63	159.6	88.5	164.4



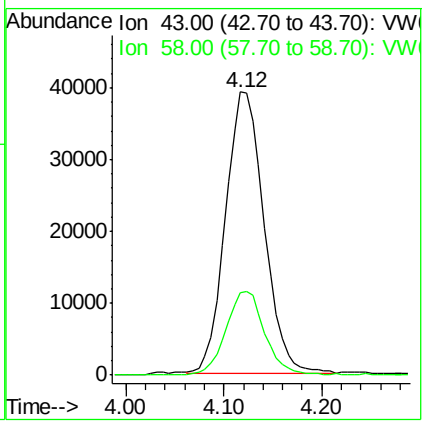


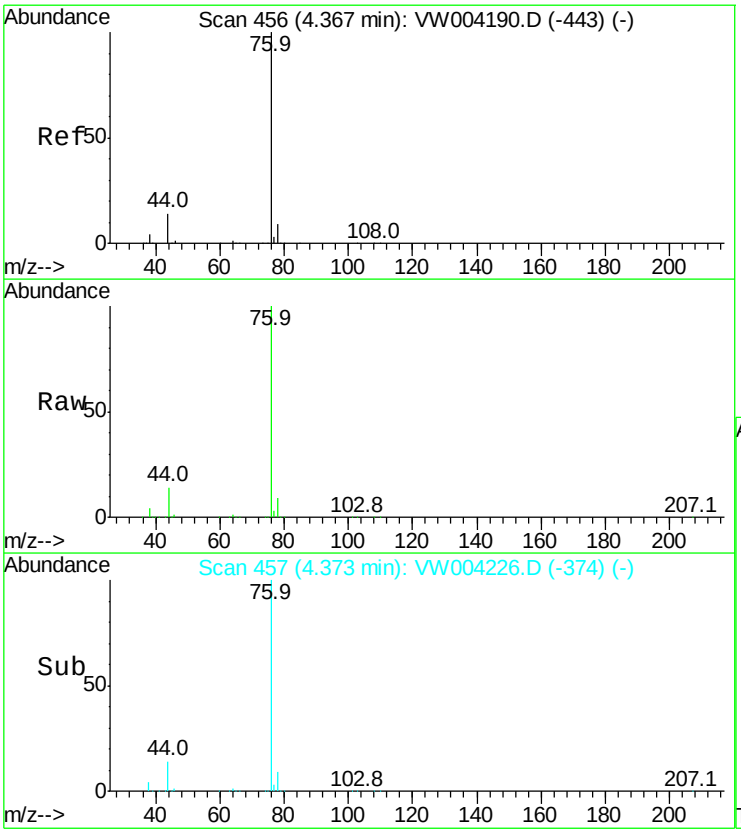
#13
Acetone
Concen: 43.229 ug/L
RT: 4.12 min Scan# 415
Delta R.T. -0.01 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument : MSVOA_W
ClientSampleId : VSTD02587

Tgt Ion: 43 Resp: 107167

Ion	Ratio	Lower	Upper
43	100		
58	29.9	0.0	59.4

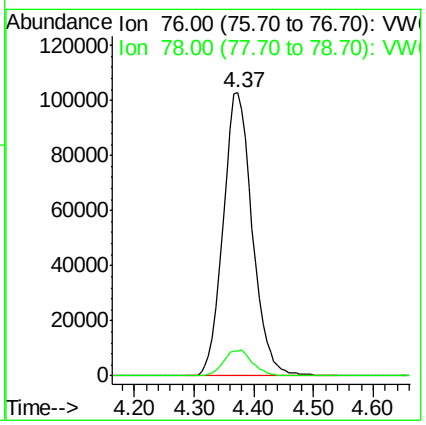


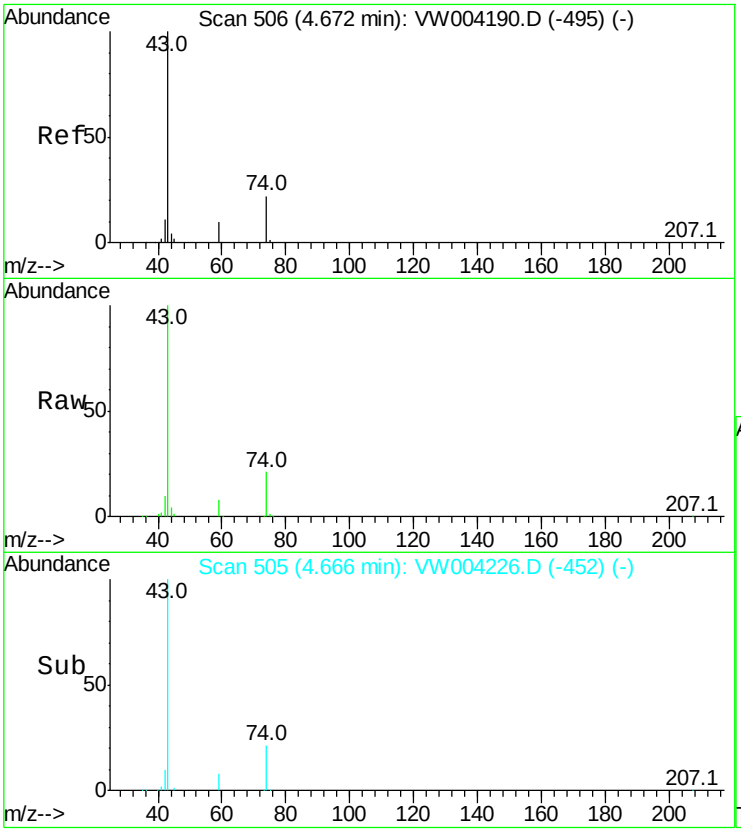


#14
Carbon disulfide
Concen: 20.634 ug/L
RT: 4.37 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 76 Resp: 349325

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9



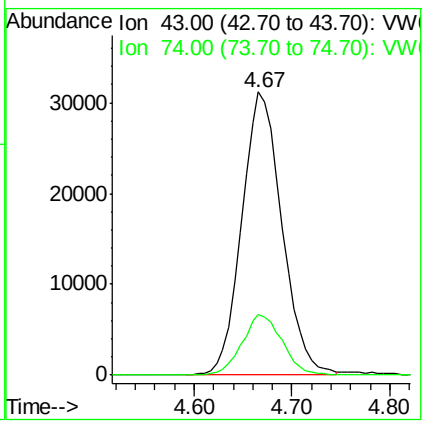


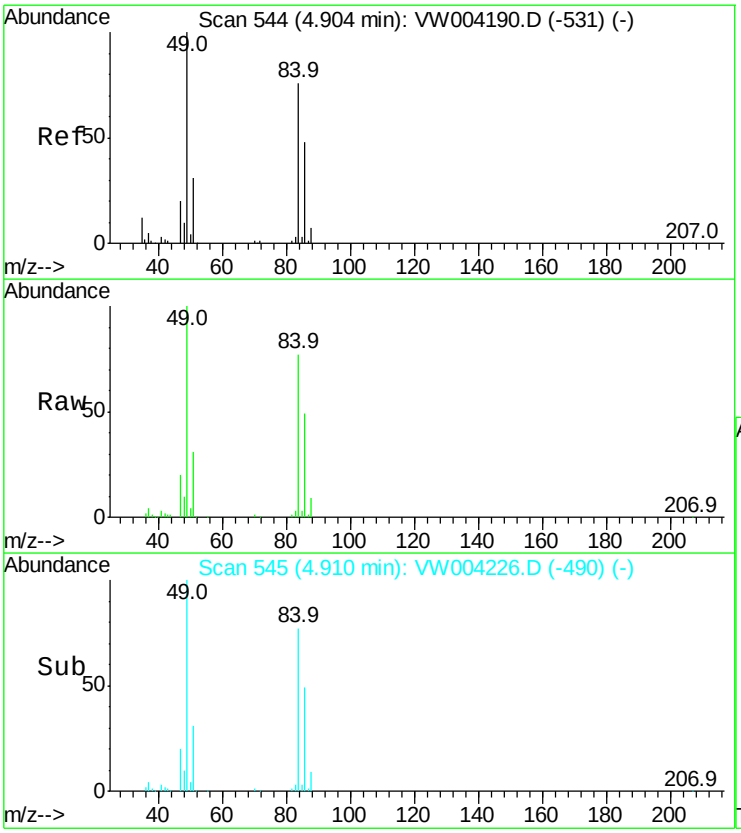
#15
Methyl Acetate
Concen: 21.021 ug/L
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument : MSVOA_W
ClientSampleId : VSTD02587

Tgt Ion: 43 Resp: 88901

Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.6	24.8

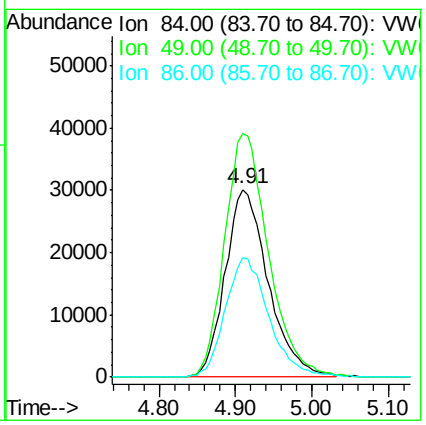


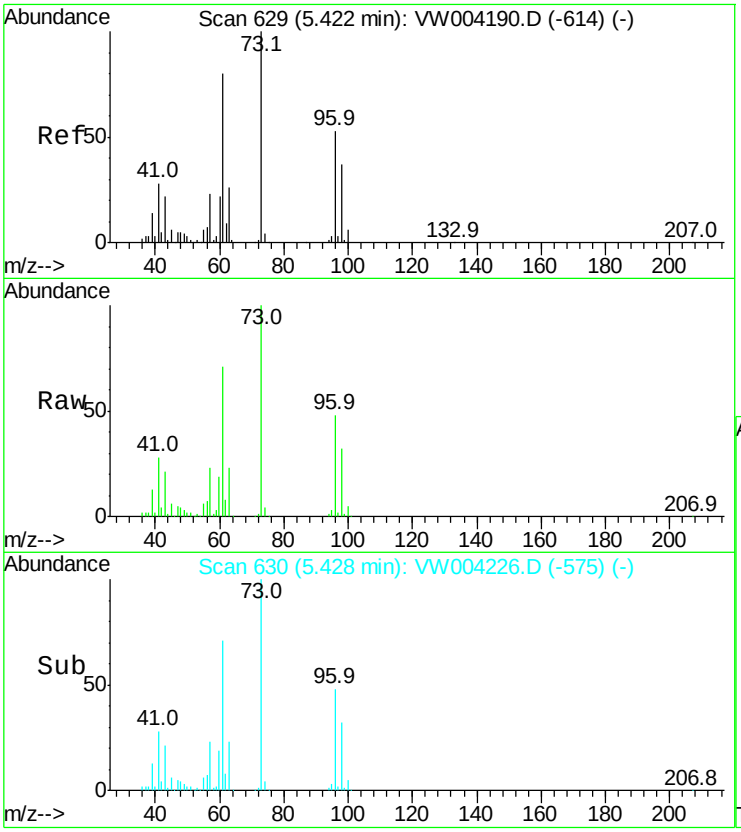


#16
Methylene chloride
Concen: 15.604 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 84 Resp: 117681

Ion	Ratio	Lower	Upper
84	100		
49	129.8	94.2	175.0
86	63.5	45.1	83.9



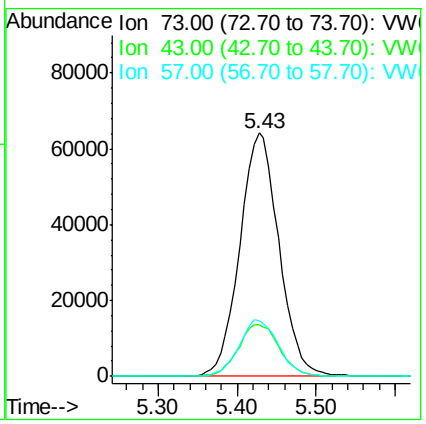


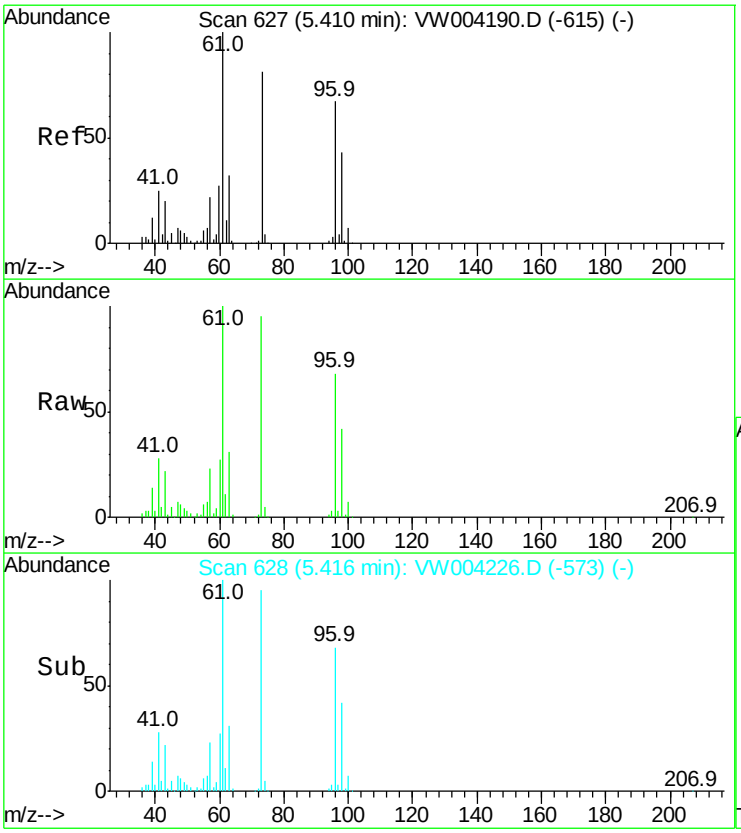
#17
Methyl tert-butyl Ether
Concen: 21.865 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument : MSVOA_W
ClientSampleId : VSTD02587

Tgt Ion: 73 Resp: 221290

Ion	Ratio	Lower	Upper
73	100		
43	22.2	18.1	27.1
57	23.4	19.0	28.4

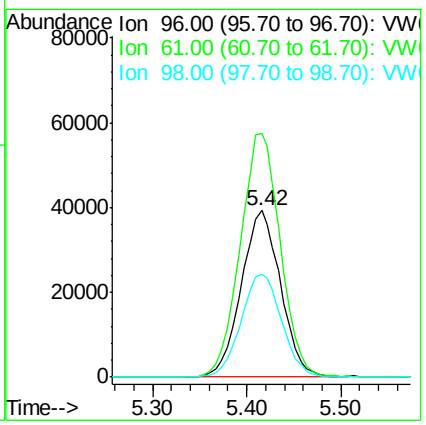


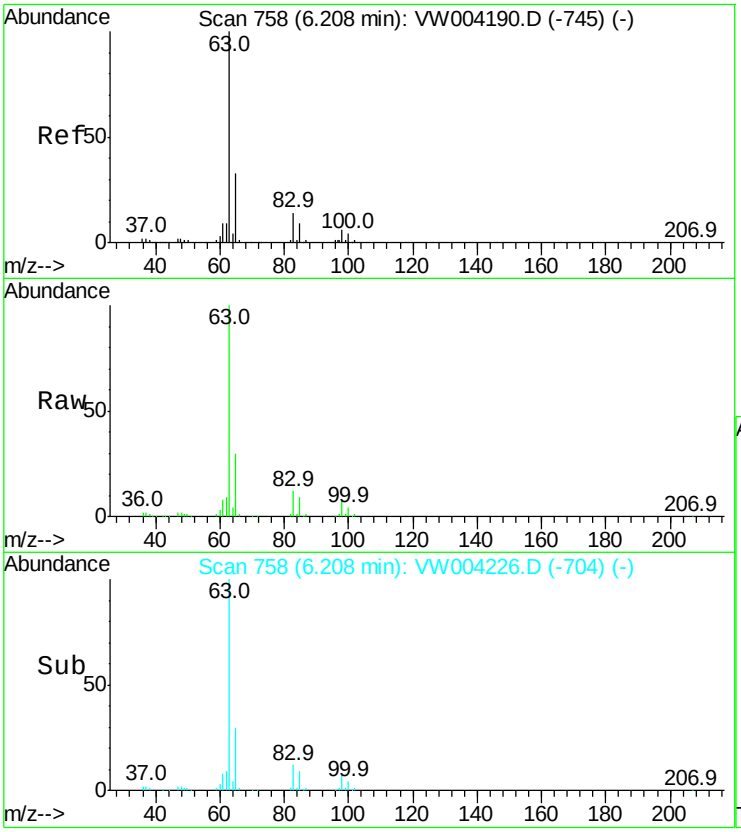


#18
trans-1,2-Dichloroethene
Concen: 21.268 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.01 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 96 Resp: 114582

Ion	Ratio	Lower	Upper
96	100		
61	146.3	99.8	185.4
98	61.6	44.9	83.3



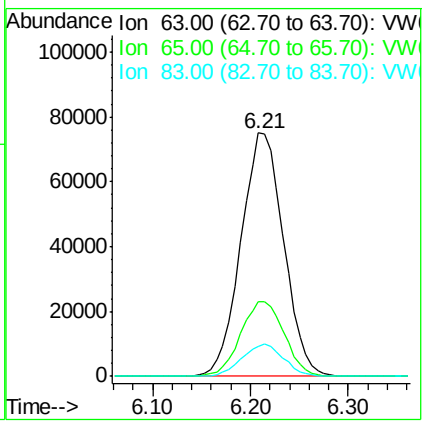


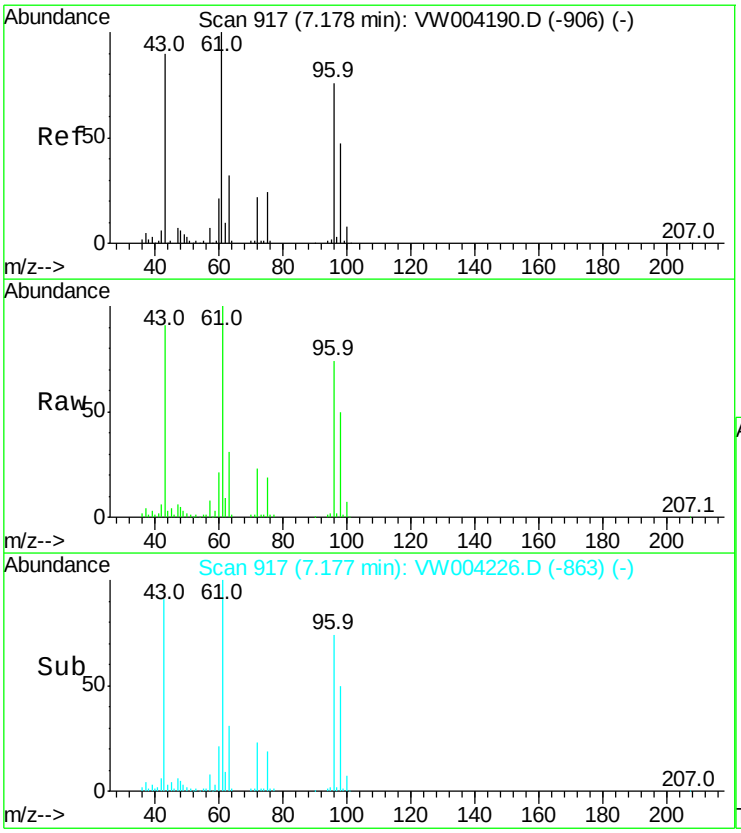
#19
1,1-Dichloroethane
Concen: 22.196 ug/L
RT: 6.21 min Scan# 758
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument : MSVOA_W
ClientSampleId : VSTD02587

Tgt Ion: 63 Resp: 227502

Ion	Ratio	Lower	Upper
63	100		
65	30.5	22.4	41.6
83	12.3	9.2	17.2

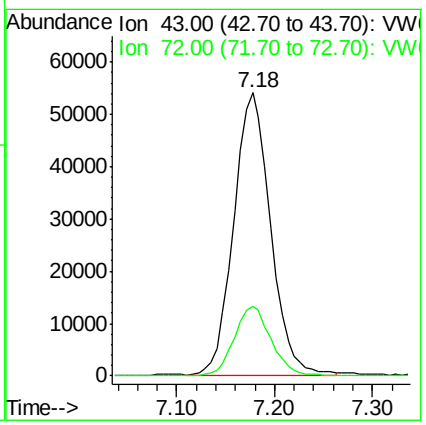


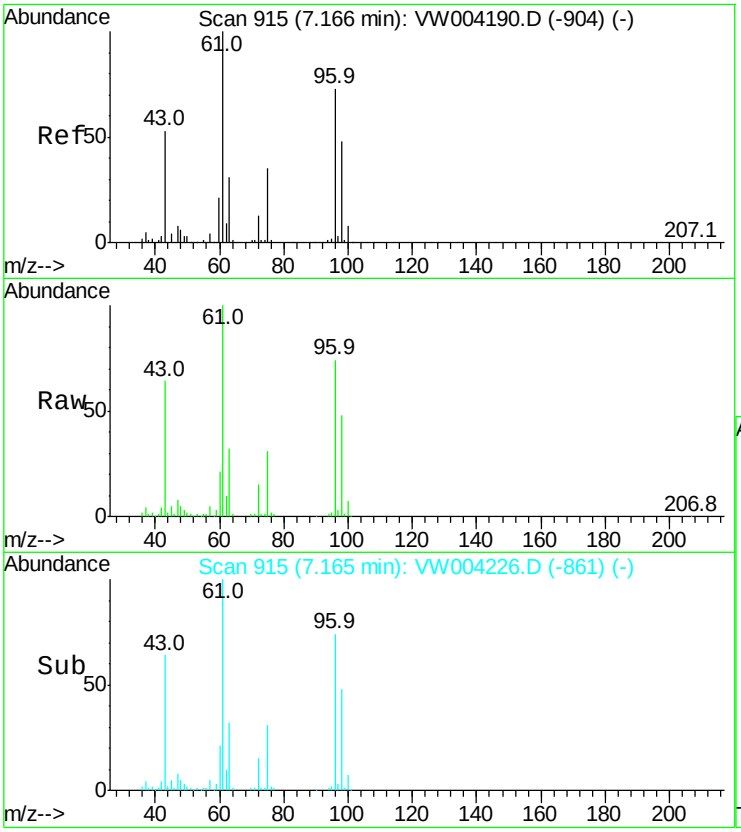


#21
2-Butanone
Concen: 45.619 ug/L
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 43 Resp: 140320

Ion	Ratio	Lower	Upper
43	100		
72	24.6	12.1	36.3



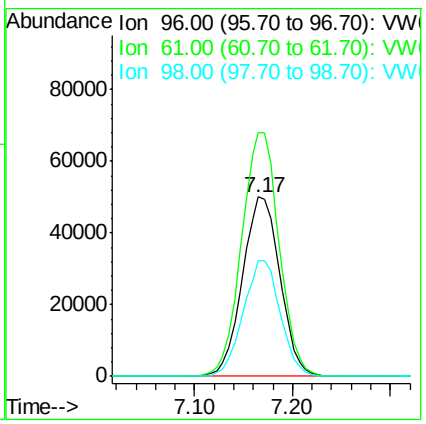


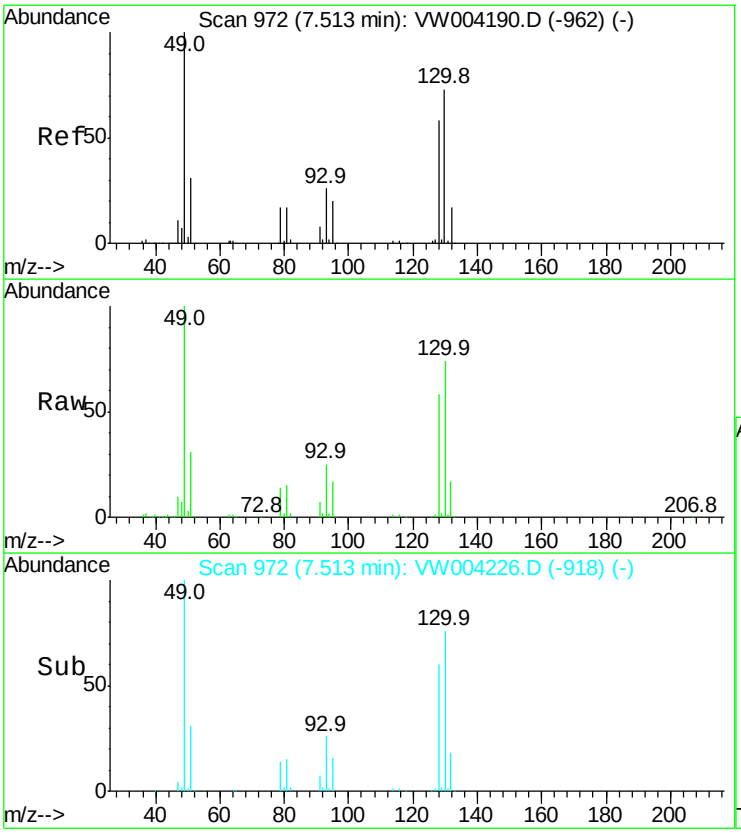
#22
cis-1,2-Dichloroethene
Concen: 23.115 ug/L
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

Tgt Ion: 96 Resp: 133109

Ion	Ratio	Lower	Upper
96	100		
61	135.9	92.5	171.9
98	64.6	43.0	80.0

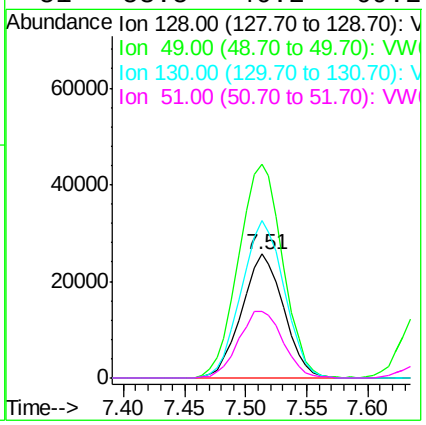


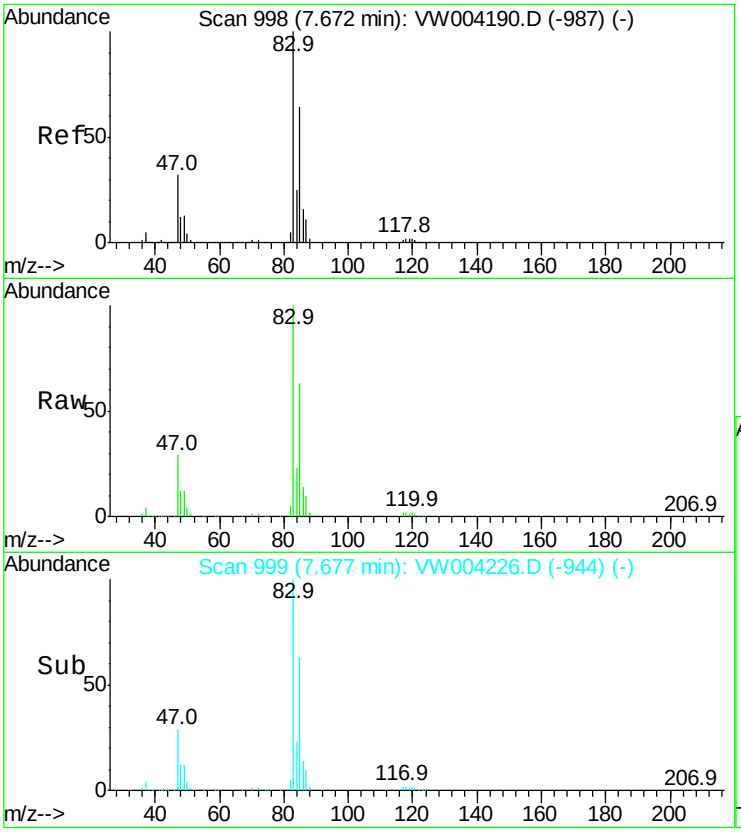


#23
Bromochloromethane
Concen: 22.804 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion:128 Resp: 61745

Ion	Ratio	Lower	Upper
128	100		
49	172.1	126.4	234.8
130	126.5	87.8	163.0
51	53.5	46.2	69.2



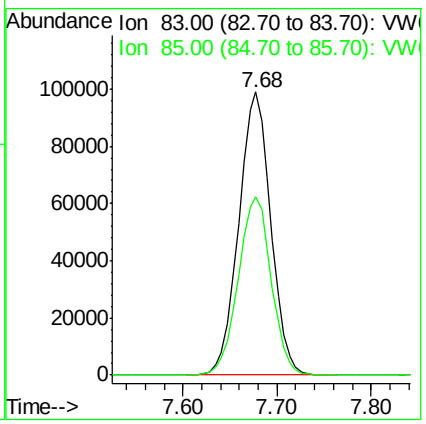


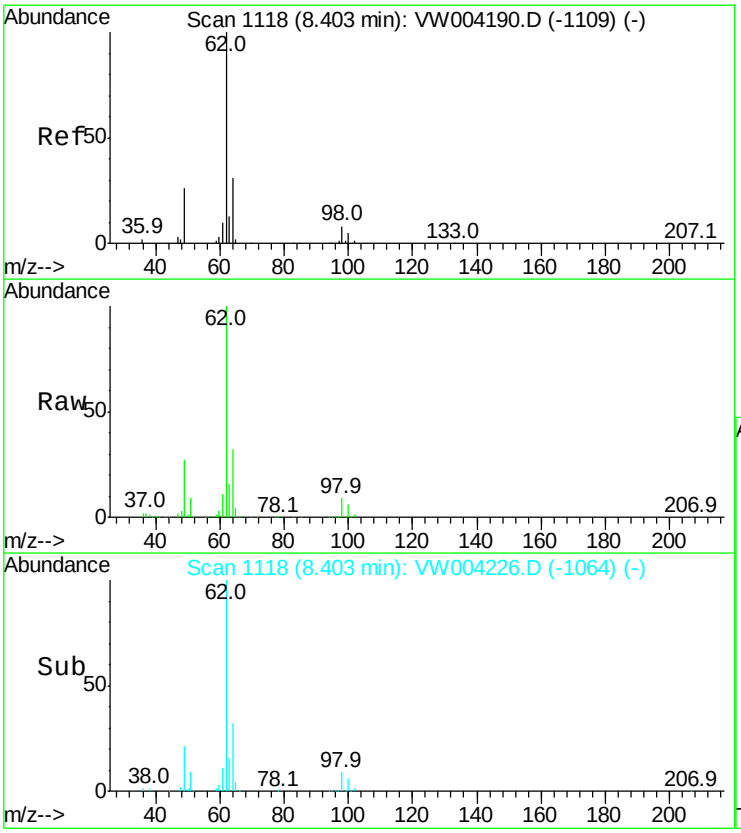
#25
Chloroform
Concen: 22.411 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.01 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument : MSVOA_W
ClientSampleId : VSTD02587

Tgt Ion: 83 Resp: 234573

Ion	Ratio	Lower	Upper
83	100		
85	65.0	45.3	84.1

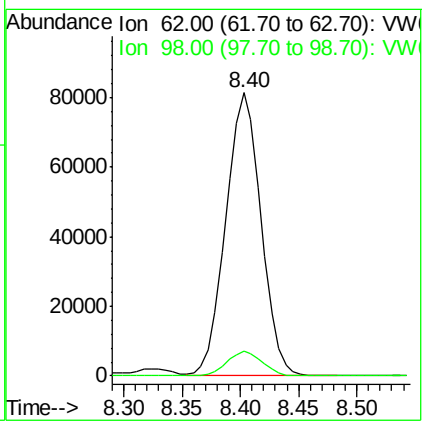


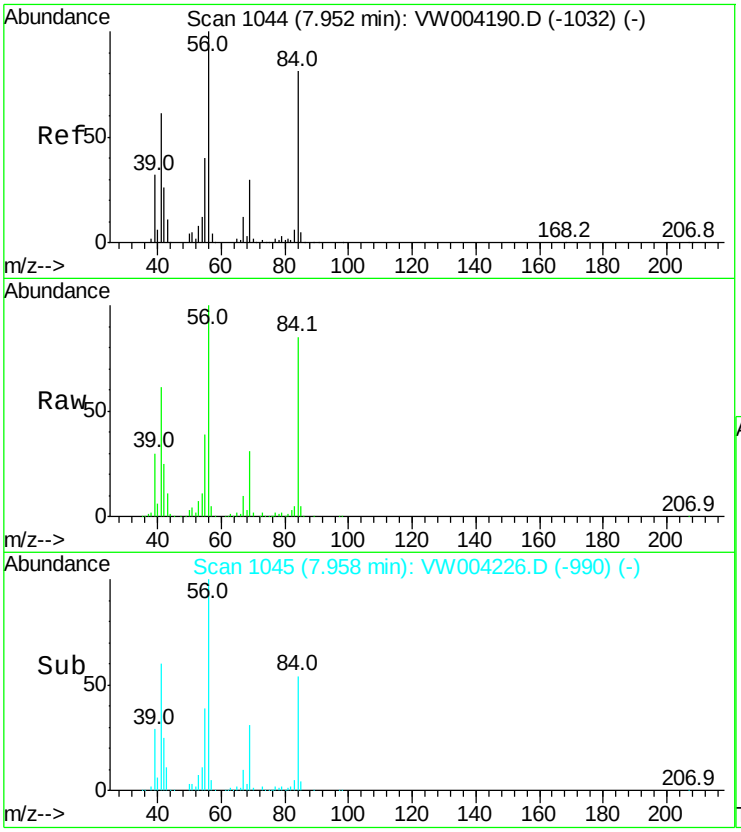


#27
1,2-Dichloroethane
Concen: 22.260 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 62 Resp: 171721

Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.2	9.4



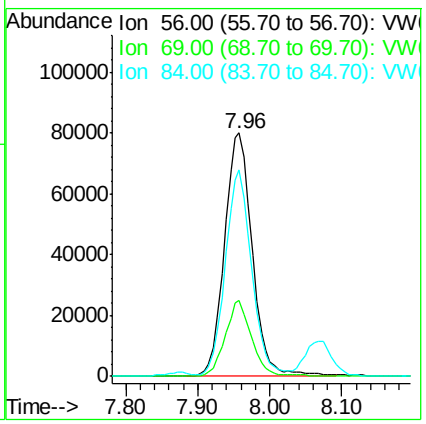


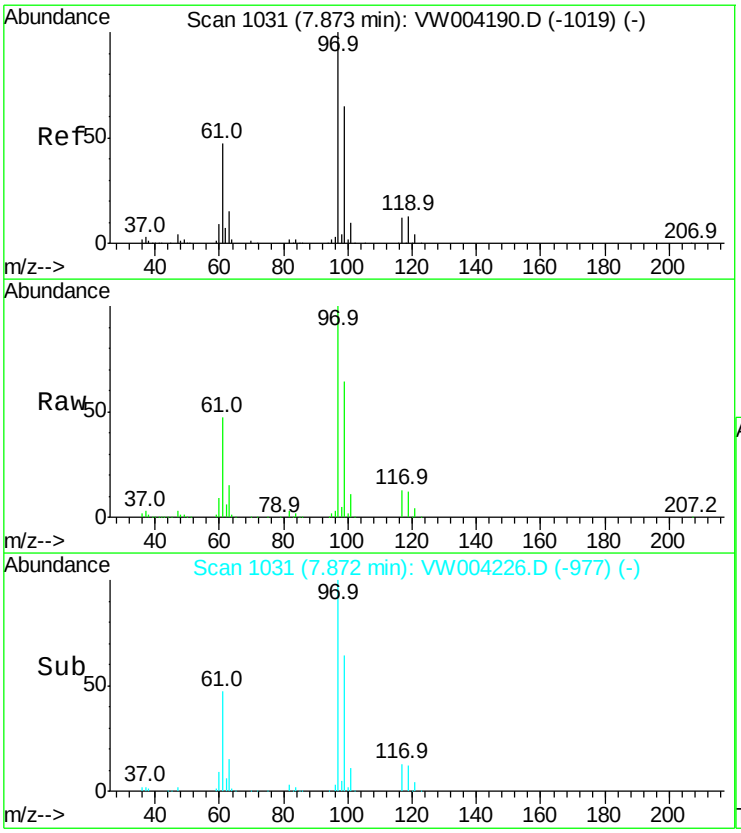
#30
Cyclohexane
Concen: 24.109 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument : MSVOA_W
ClientSampleId : VSTD02587

Tgt Ion: 56 Resp: 214991

Ion	Ratio	Lower	Upper
56	100		
69	29.0	22.8	34.2
84	80.0	64.6	96.8

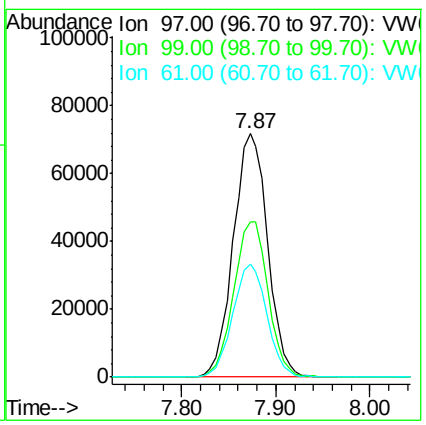


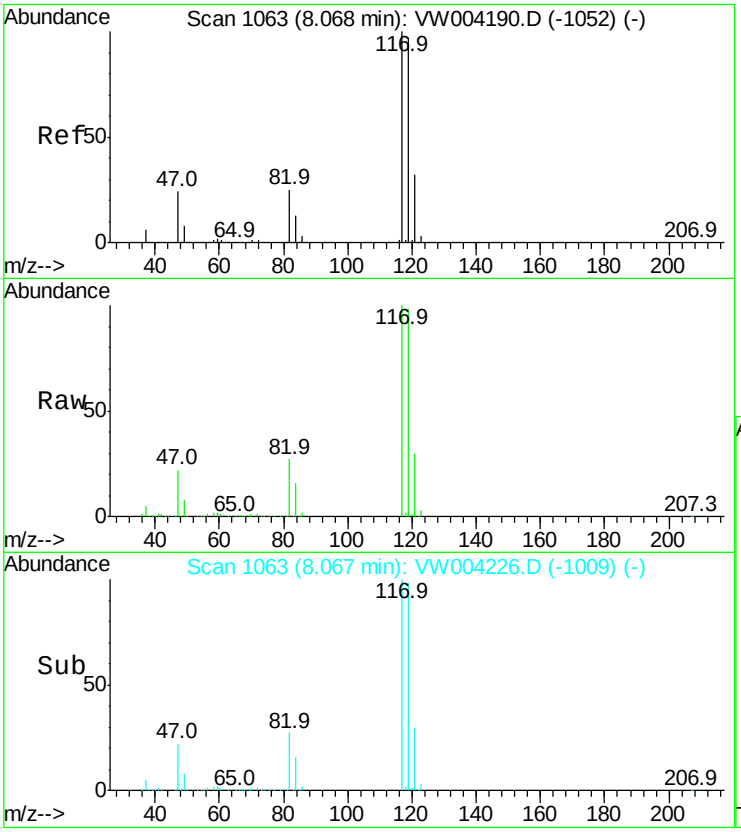


#31
1,1,1-Trichloroethane
Concen: 21.947 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 97 Resp: 182497

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	46.4	38.6	57.8



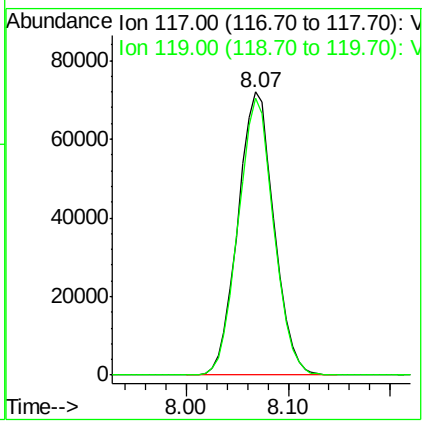


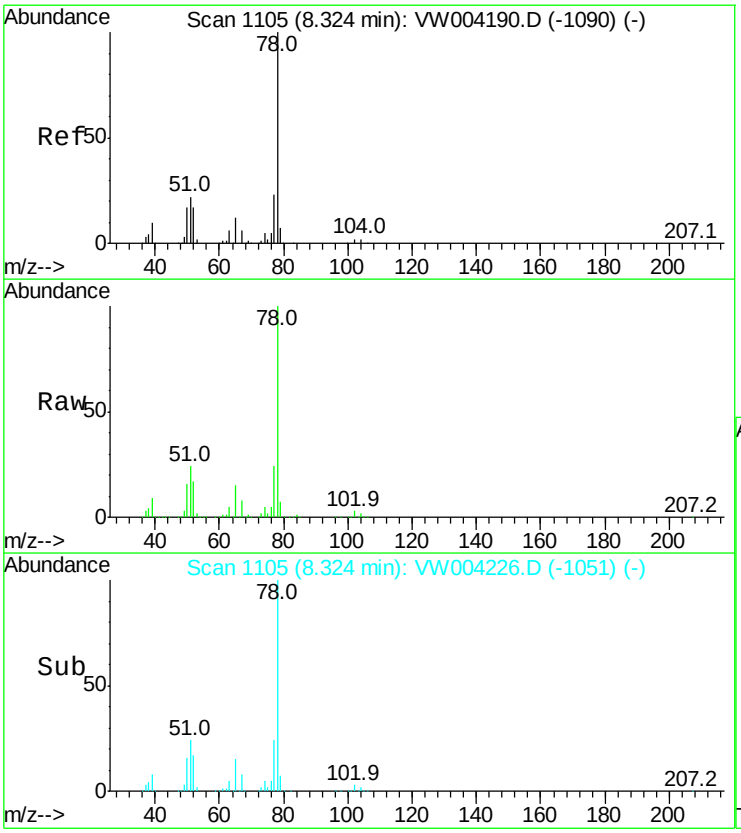
#32
Carbon tetrachloride
Concen: 22.070 ug/L
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

Tgt Ion:117 Resp: 177059

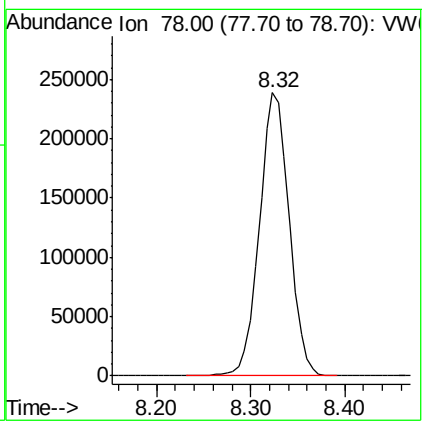
Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.4	114.6

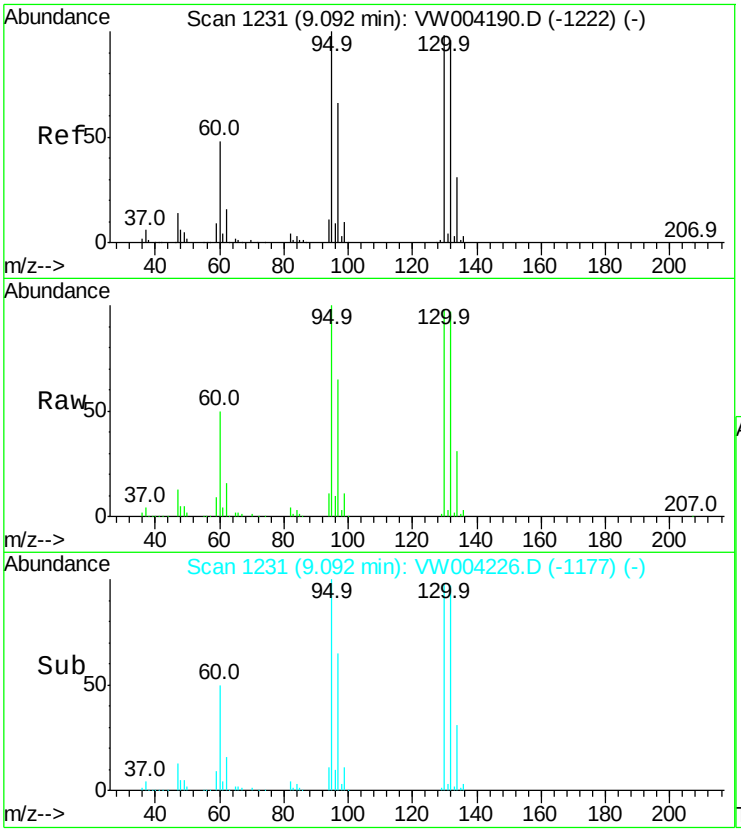




#34
Benzene
Concen: 23.608 ug/L
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 78 Resp: 529111



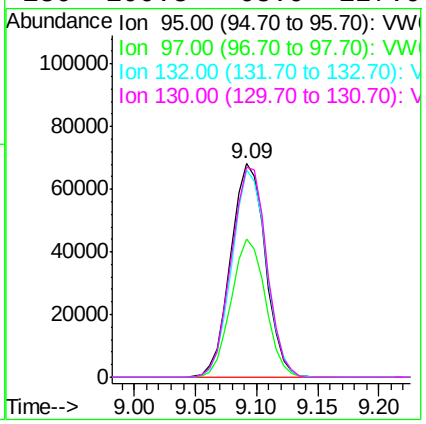


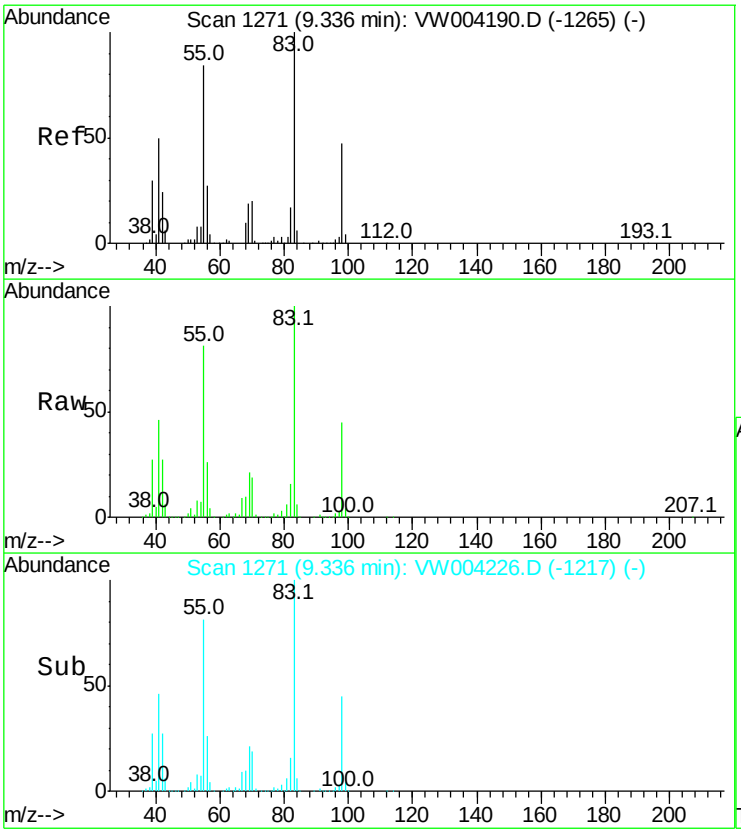
#35
Trichloroethene
Concen: 22.369 ug/L
RT: 9.09 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

Tgt Ion: 95 Resp: 134136

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.7	83.1
132	96.3	66.1	122.7
130	100.3	68.9	127.9





#36
Methylcyclohexane
Concen: 23.864 ug/L
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004226.D
Acq: 26 Jul 2018 12:48

Tgt Ion: 83 Resp: 236517

Ion	Ratio	Lower	Upper
83	100		
55	81.9	65.8	98.6
98	46.4	37.0	55.6