Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091518\

Quantitation Report (Not Reviewed)

Data File : VW005382.D
Acq On : 14 Sep 2018 12:20
Operator : SY/AP
Sample : J4865-25
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3N0

Quant Time: Sep 14 23:16:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 23:16:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	320296	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	313818	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	166730	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	80266	21.71	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.84%			
7) Chloroethane-d5	2.89	69	62248	23.82	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 95.28%			
10) 1,1-Dichloroethene-d2	4.03	63	155939	23.63	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 94.52%			
20) 2-Butanone-d5	7.09	46	49613	35.63	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 71.26%			
24) Chloroform-d	7.65	84	149989	25.11	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.44%			
26) 1,2-Dichloroethane-d4	8.31	65	98623	25.81	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.24%			
29) Benzene-d6	8.28	84	312156	24.78	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 99.12%			
33) 1,2-Dichloropropane-d6	9.28	67	92147	25.62	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 102.48%			
37) Toluene-d8	10.33	98	321204	25.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 100.68%			
38) trans-1,3-Dichloropropene-	10.58	79	45001	25.01	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 100.04%			
39) 2-Hexanone-d5	10.93	63	40787	36.42	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 72.84%			
48) 1,1,2,2-Tetrachloroethane-	12.70	84	79808	21.22	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 84.88%			
61) 1,2-Dichlorobenzene-d4	13.86	152	126012	25.18	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 100.72%			
Target Compounds						Qvalue
3) Chloromethane	2.21	50	123923	20.382	ug/L	100
6) Bromomethane	2.78	94	32117	10.702	ug/L	97
9) Trichlorofluoromethane	3.26	101	113818	15.087	ug/L	99
12) 1,1-Dichloroethene	4.05	96	81495	23.380	ug/L	94
13) Acetone	4.16	43	48868	37.385	ug/L	98
15) Methyl Acetate	4.69	43	81317	28.197	ug/L	98
16) Methylene chloride	4.93	84	62159	10.219	ug/L	96
17) Methyl tert-butyl Ether	5.44	73	303991	31.416	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	41535	10.671	ug/L	96
22) cis-1,2-Dichloroethene	7.18	96	109224	26.293	ug/L	98
23) Bromochloromethane	7.52	128	29194	15.080	ug/L	98
27) 1,2-Dichloroethane	8.40	62	60371	10.398	ug/L	100
30) Cyclohexane	7.96	56	71300	10.062	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	74018	10.374	ug/L	99
32) Carbon tetrachloride	8.07	117	83907	12.676	ug/L	99
35) Trichloroethene	9.10	95	183512	39.547	ug/L	98
36) Methylcyclohexane	9.34	83	200207	24.858	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091518\

Quantitation Report (Not Reviewed)

Data File : VW005382.D
Acq On : 14 Sep 2018 12:20
Operator : SY/AP
Sample : J4865-25
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3N0

Quant Time: Sep 14 23:16:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 23:16:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,2-Dichloropropane	9.38	63	56530	13.098	ug/L		99
41) Bromodichloromethane	9.65	83	115456	20.868	ug/L		100
42) cis-1,3-Dichloropropene	10.08	75	113289	17.770	ug/L		100
44) Toluene	10.40	91	429262	21.428	ug/L		98
45) trans-1,3-Dichloropropene	10.61	75	50601	8.472	ug/L		98
47) Tetrachloroethene	10.87	164	169203	40.272	ug/L		96
49) 2-Hexanone	10.98	43	75657	24.939	ug/L		96
50) Dibromochloromethane	11.13	129	78183	19.317	ug/L		98
53) Ethylbenzene	11.74	91	358355	15.381	ug/L		98
54) m,p-Xylene	11.85	106	92141	10.562	ug/L		98
55) o-xylene	12.17	106	106403	12.989	ug/L		99
56) Styrene	12.17	104	7921	0.560	ug/L	#	1
57) Isopropylbenzene	12.47	105	290142	12.751	ug/L		100
59) 1,2,3-Trichloropropane	12.76	75	20048	5.035	ug/L	#	1
63) 1,3-Dichlorobenzene	13.51	146	217673	20.532	ug/L		99
65) 1,2-Dichlorobenzene	13.88	146	102686	10.117	ug/L		97
66) 1,2-Dibromo-3-chloropropan	14.49	75	15198	13.800	ug/L		92
67) 1,3,5-Trichlorobenzene	14.64	180	206527	24.602	ug/L		99

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

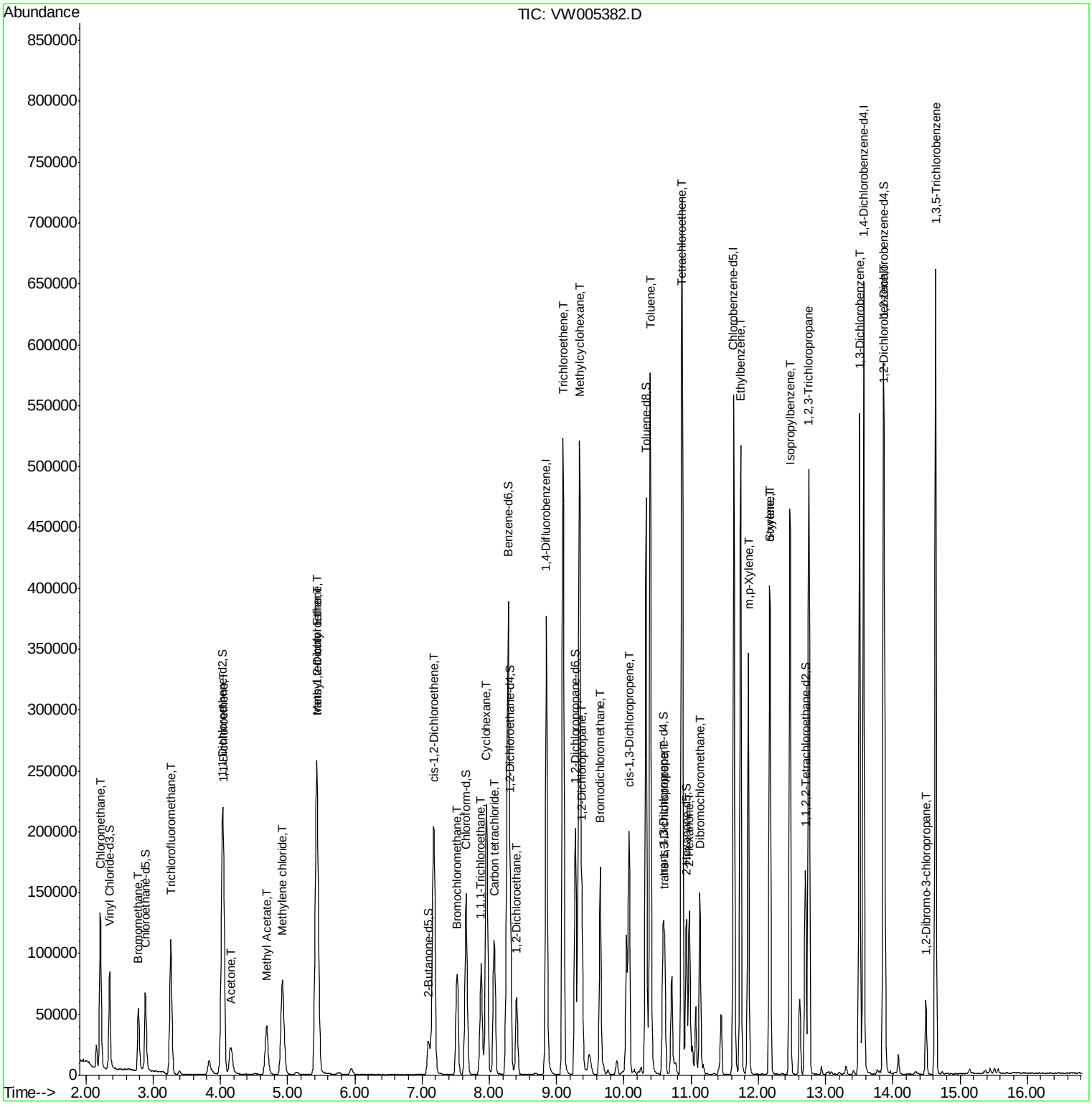
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091518\

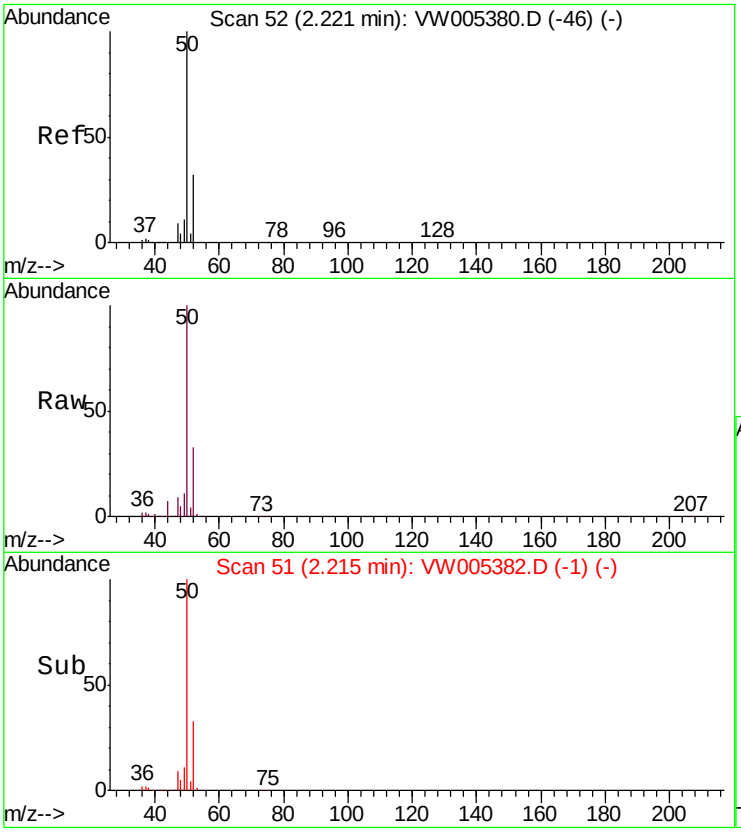
Quantitation Report (Not Reviewed)

Data File : VW005382.D
Acq On : 14 Sep 2018 12:20
Operator : SY/AP
Sample : J4865-25
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB3N0

Quant Time: Sep 14 23:16:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 23:16:09 2018
Response via : Initial Calibration



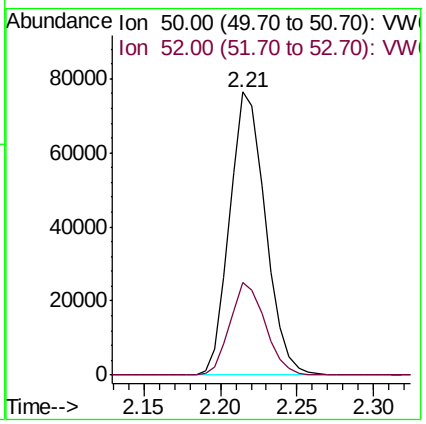


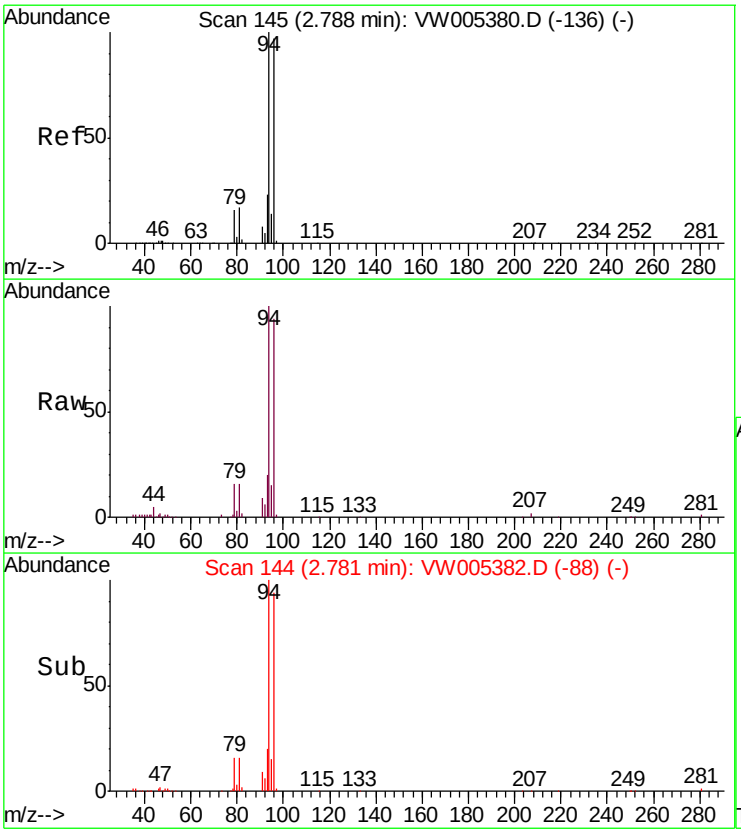
#3
Chloromethane
Concen: 20.382 ug/L
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument :
MSVOA_W
ClientSampleId :
DB3N0

Tgt Ion: 50 Resp: 123923

Ion	Ratio	Lower	Upper
50	100		
52	32.9	22.9	42.5

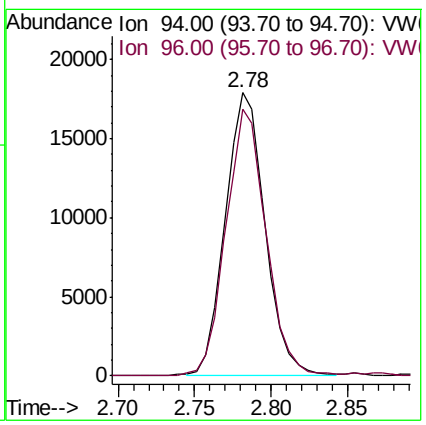


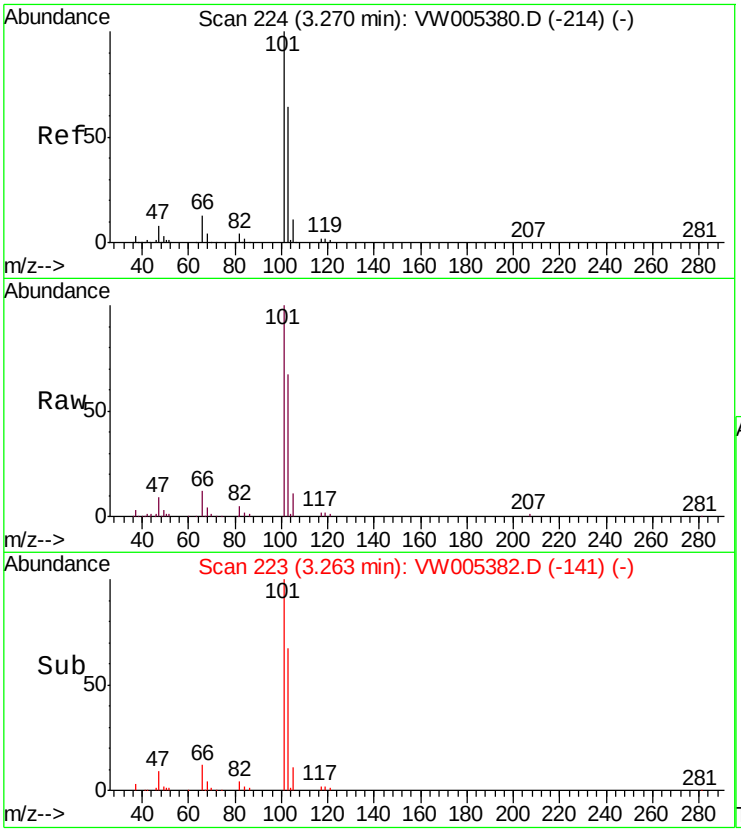


#6
Bromomethane
Concen: 10.702 ug/L
RT: 2.78 min Scan# 144
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 94 Resp: 32117

Ion	Ratio	Lower	Upper
94	100		
96	95.4	9.3	176.3



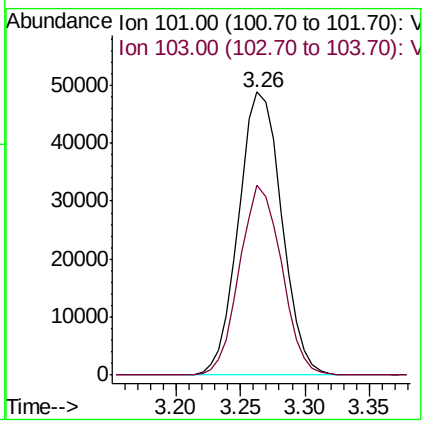


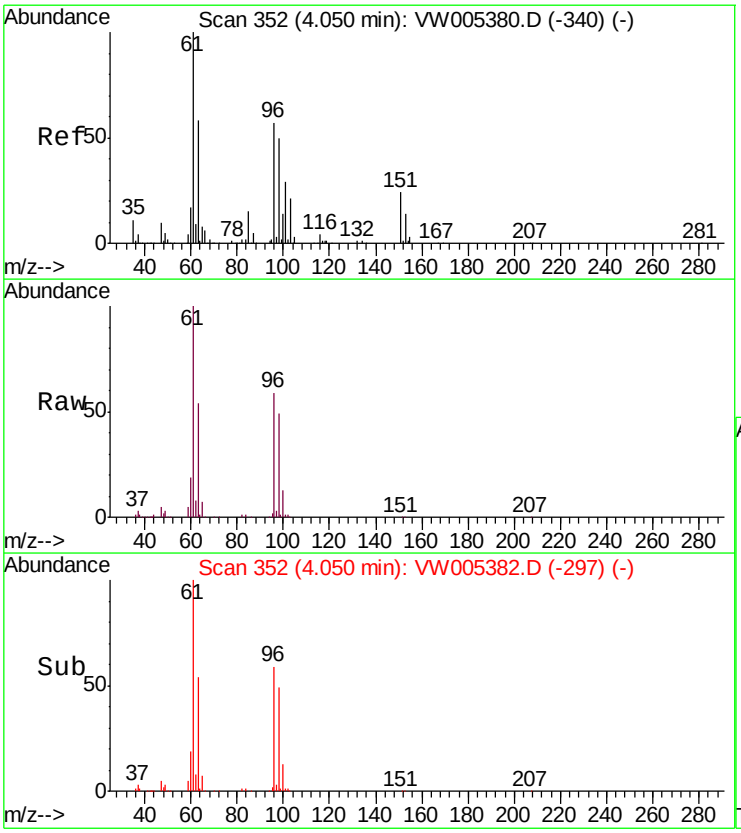
#9
Trichlorofluoromethane
Concen: 15.087 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion:101 Resp: 113818

Ion	Ratio	Lower	Upper
101	100		
103	65.3	44.9	83.5

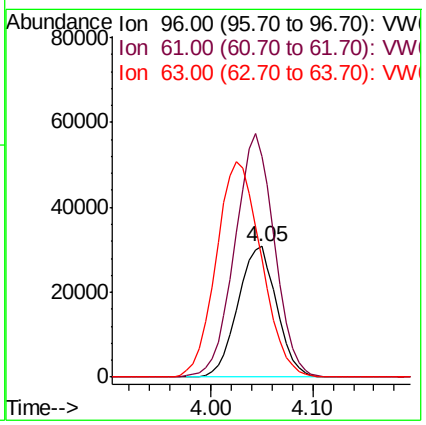


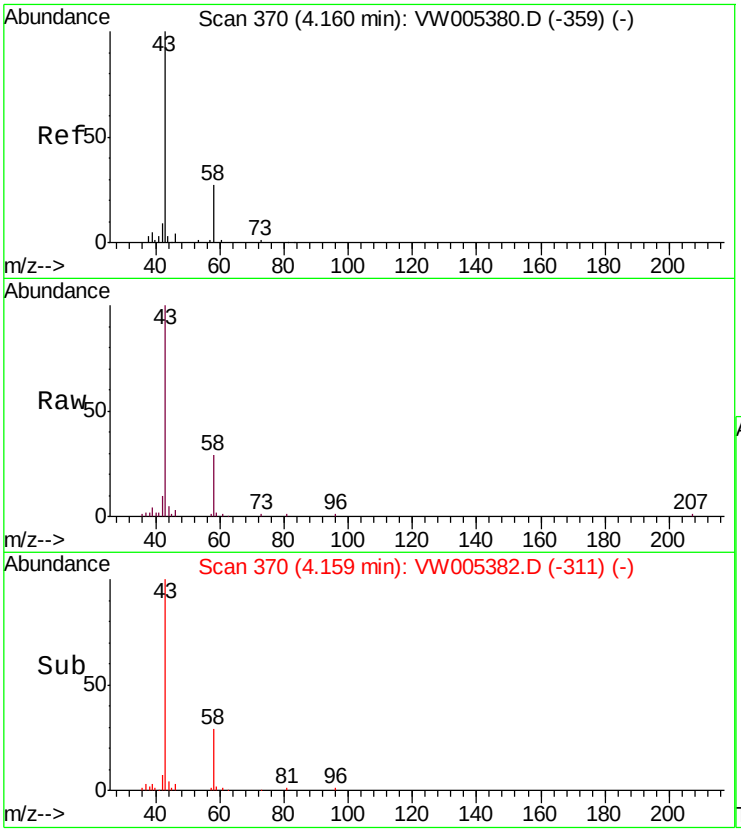


#12
1,1-Dichloroethene
Concen: 23.380 ug/L
RT: 4.05 min Scan# 352
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 96 Resp: 81495

Ion	Ratio	Lower	Upper
96	100		
61	169.1	123.3	229.1
63	91.1	69.4	128.8



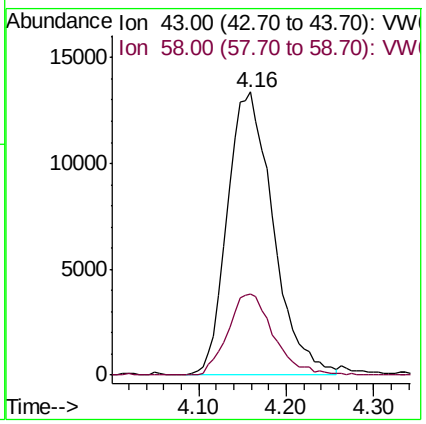


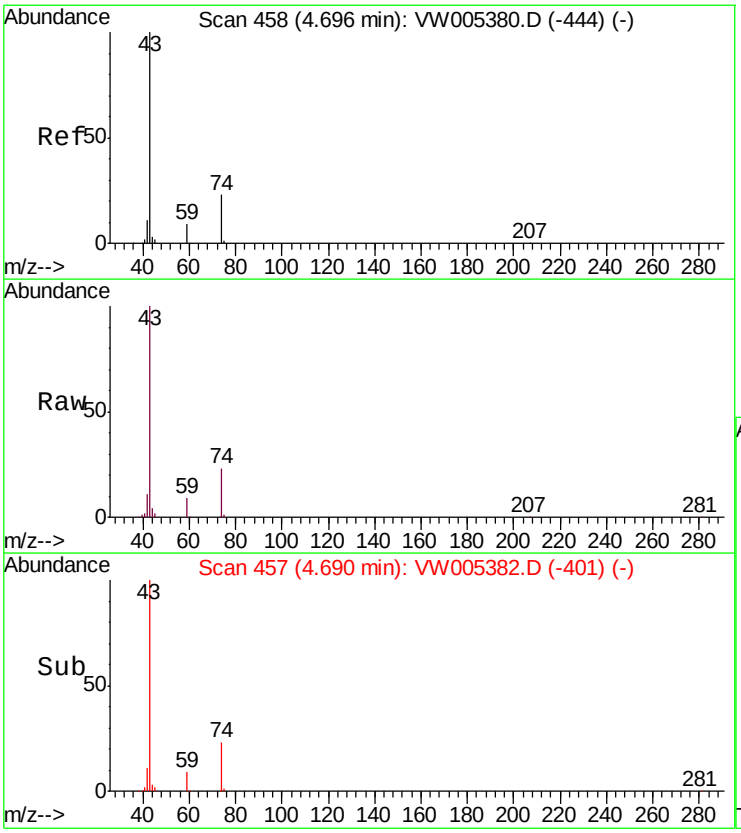
#13
Acetone
Concen: 37.385 ug/L
RT: 4.16 min Scan# 370
Delta R.T. 0.03 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion: 43 Resp: 48868

Ion	Ratio	Lower	Upper
43	100		
58	27.7	0.0	57.6

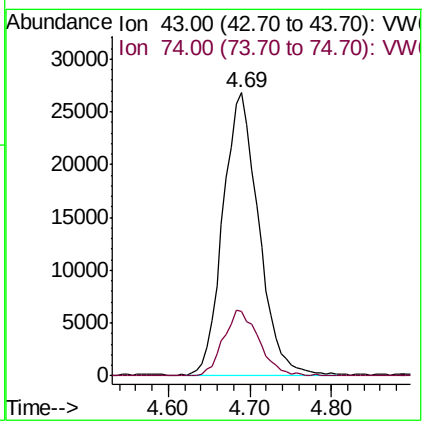


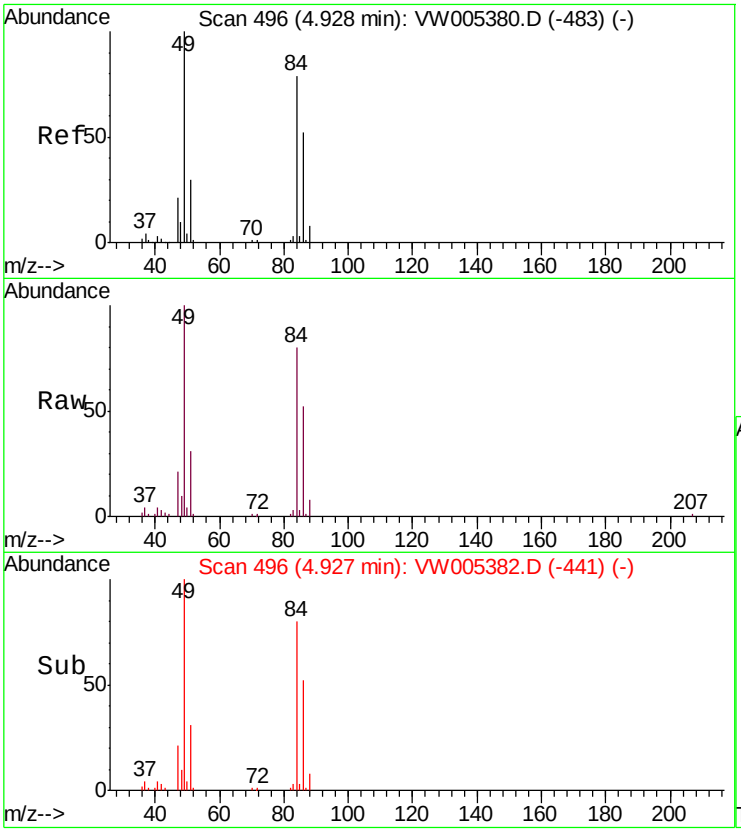


#15
Methyl Acetate
Concen: 28.197 ug/L
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 43 Resp: 81317

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.5	26.3



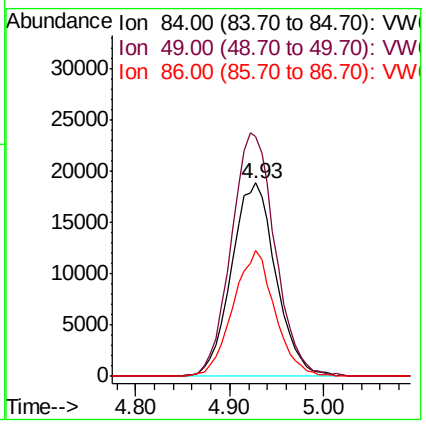


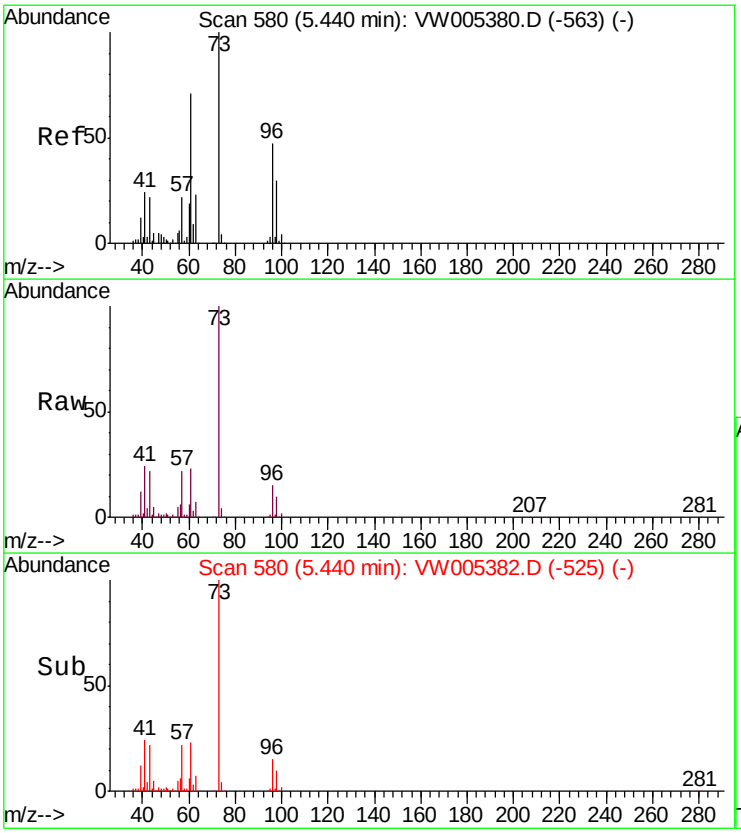
#16
Methylene chloride
Concen: 10.219 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument :
MSVOA_W
ClientSampleId :
DB3N0

Tgt Ion: 84 Resp: 62159

Ion	Ratio	Lower	Upper
84	100		
49	124.2	90.9	168.7
86	64.8	43.6	81.0

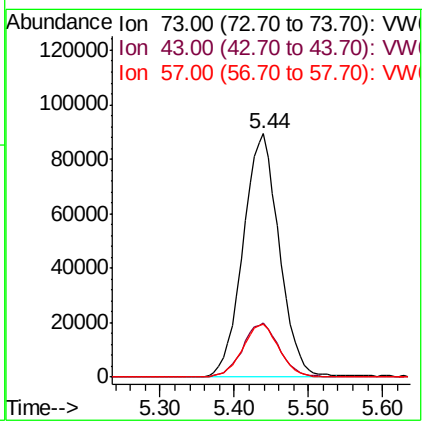


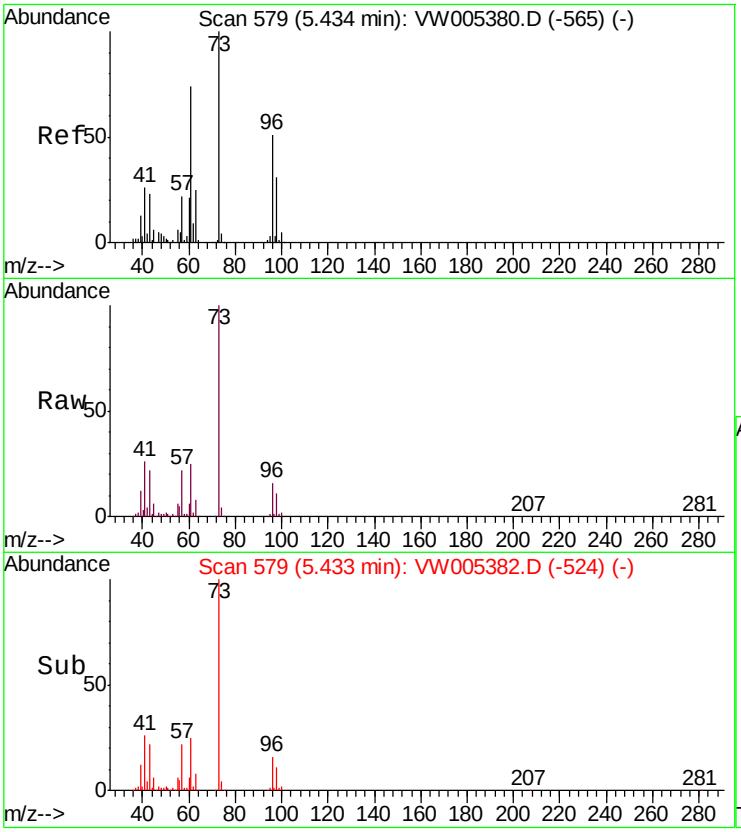


#17
Methyl tert-butyl Ether
Concen: 31.416 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 73 Resp: 303991

Ion	Ratio	Lower	Upper
73	100		
43	22.5	17.7	26.5
57	21.9	17.8	26.6



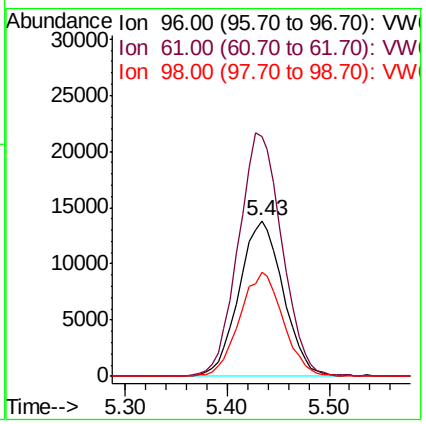


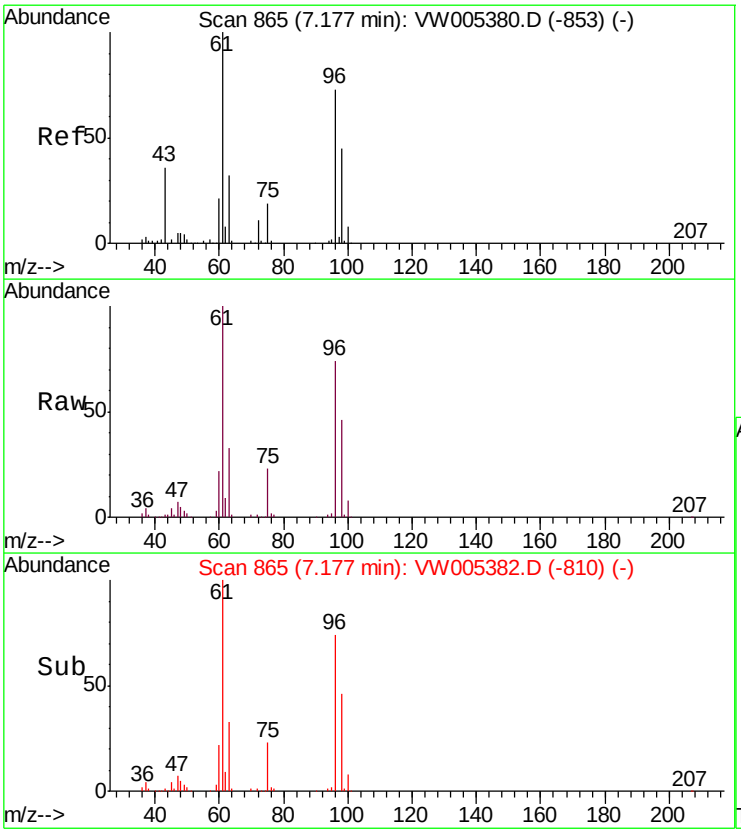
#18
trans-1,2-Dichloroethene
Concen: 10.671 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion: 96 Resp: 41535

Ion	Ratio	Lower	Upper
96	100		
61	153.6	103.0	191.2
98	66.6	47.2	87.6

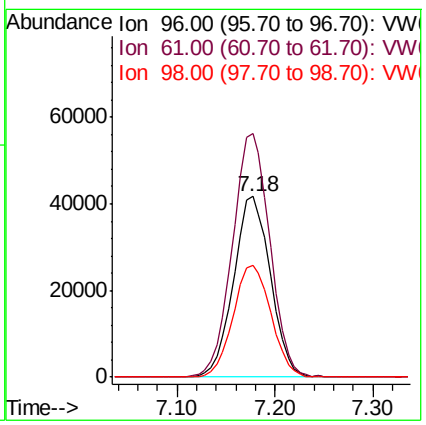


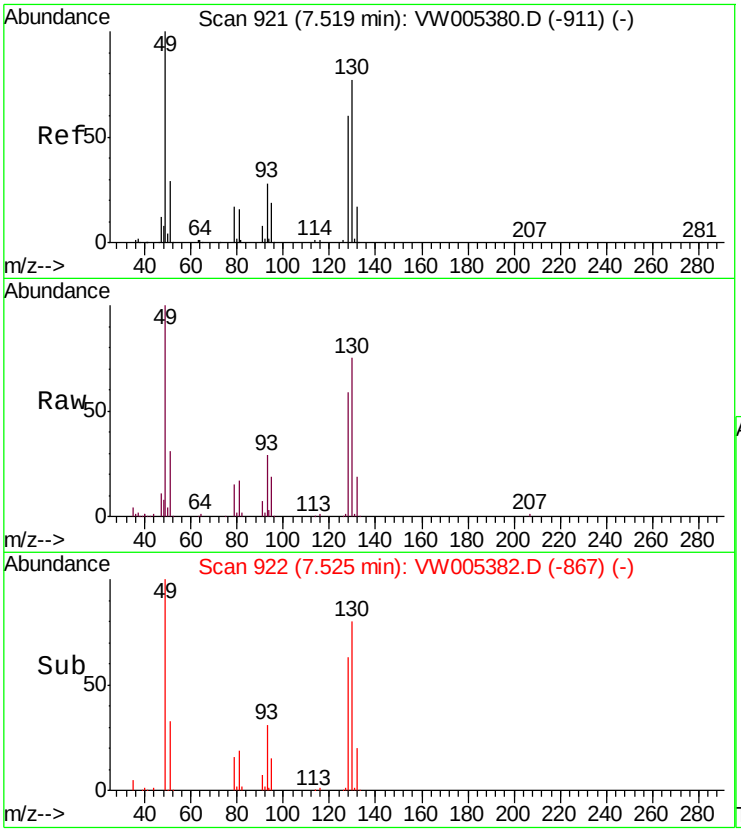


#22
cis-1,2-Dichloroethene
Concen: 26.293 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 96 Resp: 109224

Ion	Ratio	Lower	Upper
96	100		
61	134.8	93.1	172.9
98	61.8	42.4	78.6



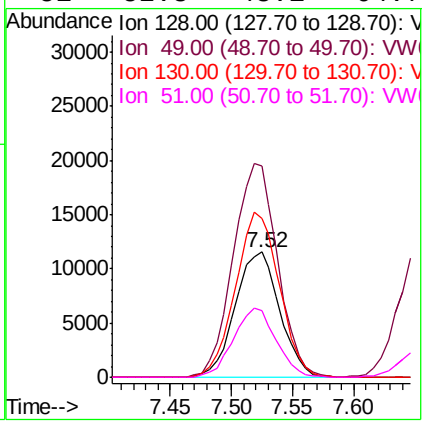


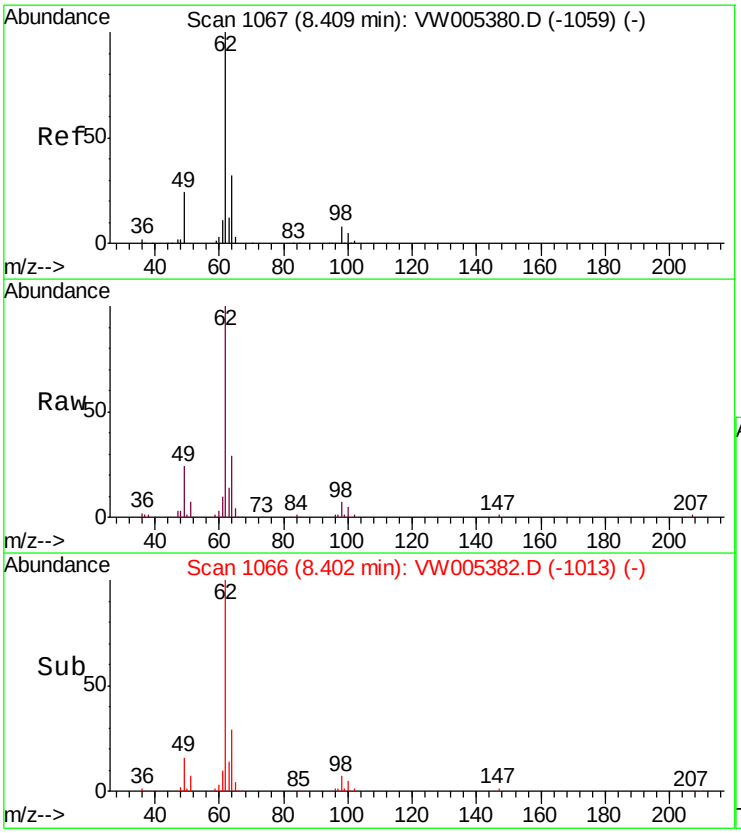
#23
Bromochloromethane
Concen: 15.080 ug/L
RT: 7.52 min Scan# 922
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion:128 Resp: 29194

Ion	Ratio	Lower	Upper
128	100		
49	168.9	118.2	219.6
130	126.9	92.8	172.4
51	52.8	43.1	64.7

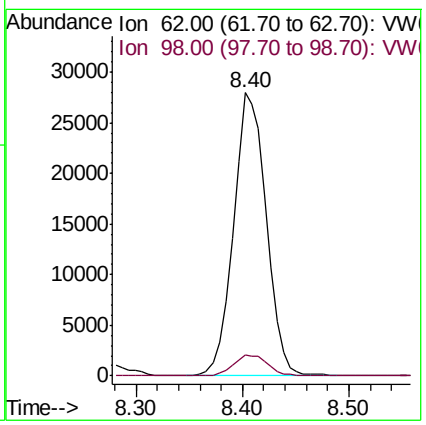


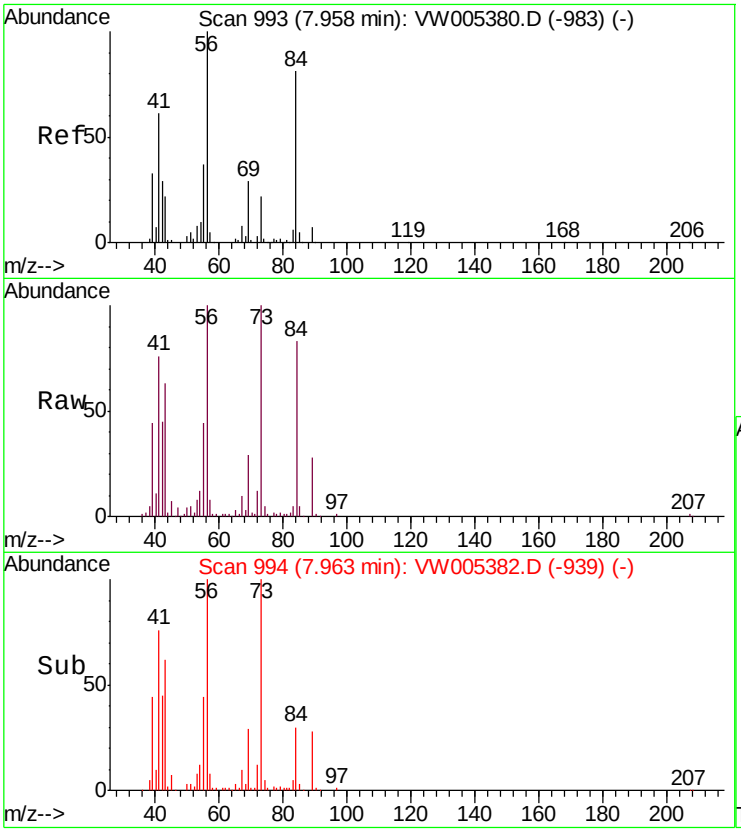


#27
1,2-Dichloroethane
Concen: 10.398 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 62 Resp: 60371

Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.0	9.0



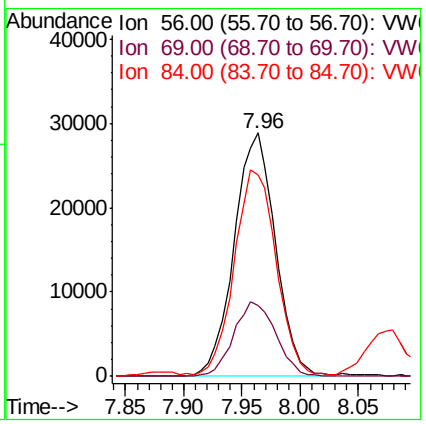


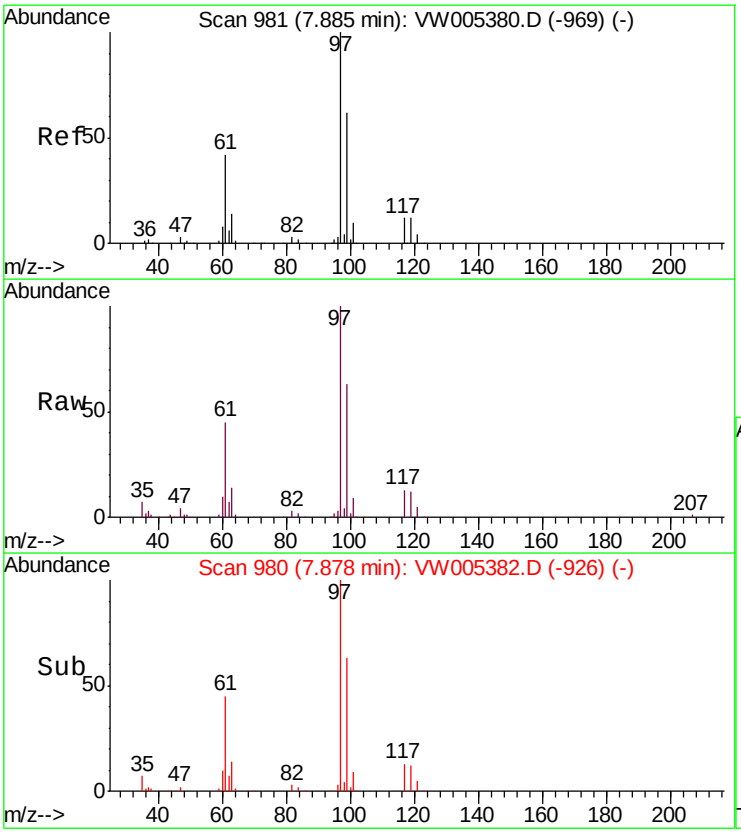
#30
Cyclohexane
Concen: 10.062 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion: 56 Resp: 71300

Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.7	37.1
84	86.5	67.4	101.0

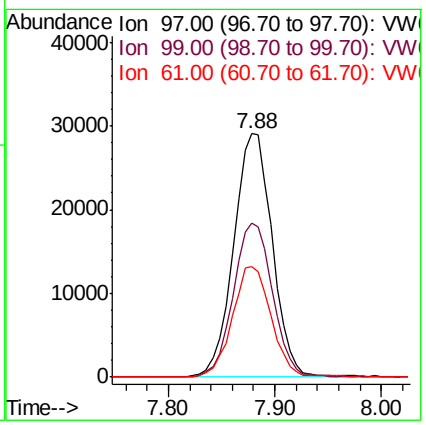


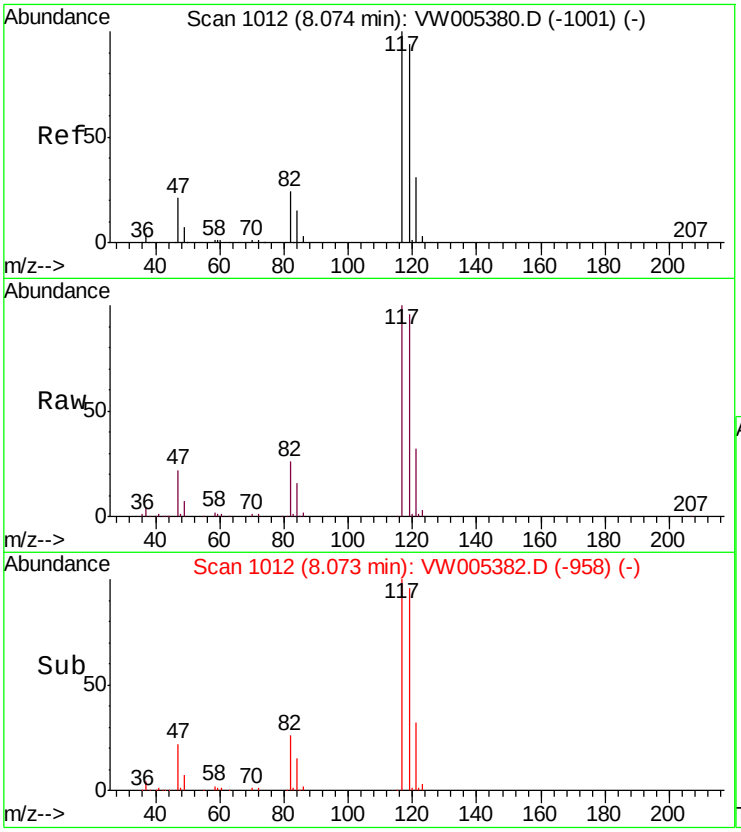


#31
1,1,1-Trichloroethane
Concen: 10.374 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 97 Resp: 74018

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	45.3	37.0	55.6



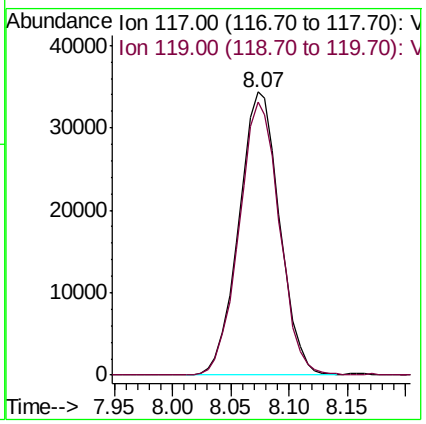


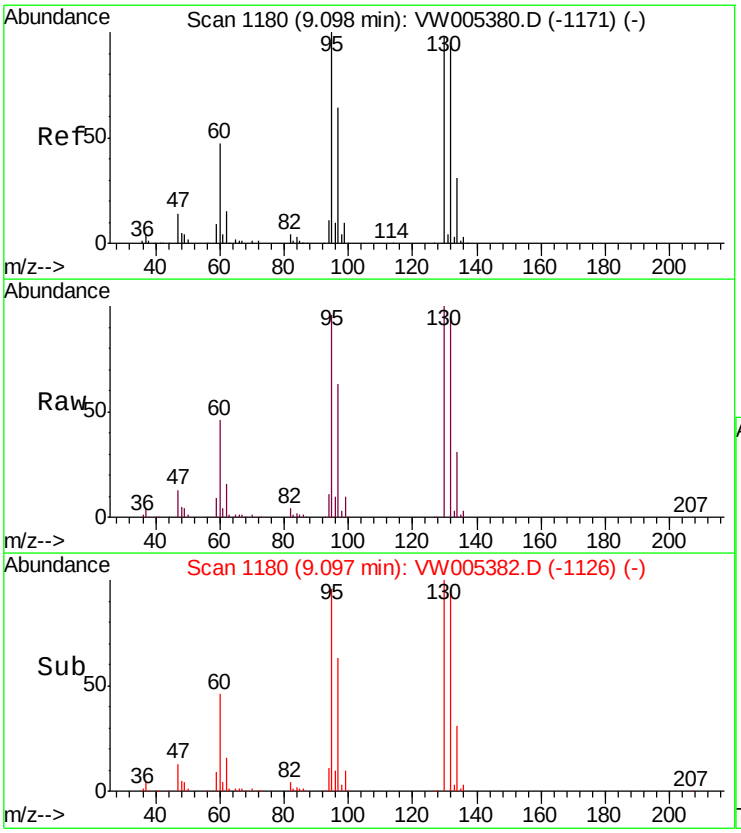
#32
Carbon tetrachloride
Concen: 12.676 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion:117 Resp: 83907

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.0	115.6

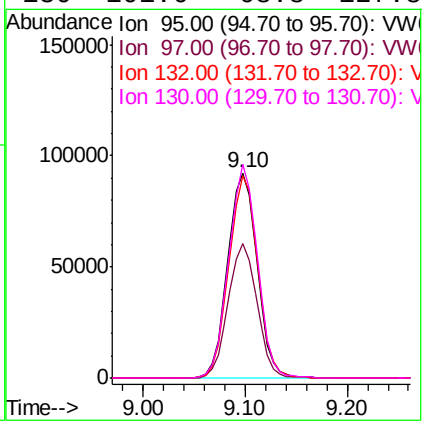


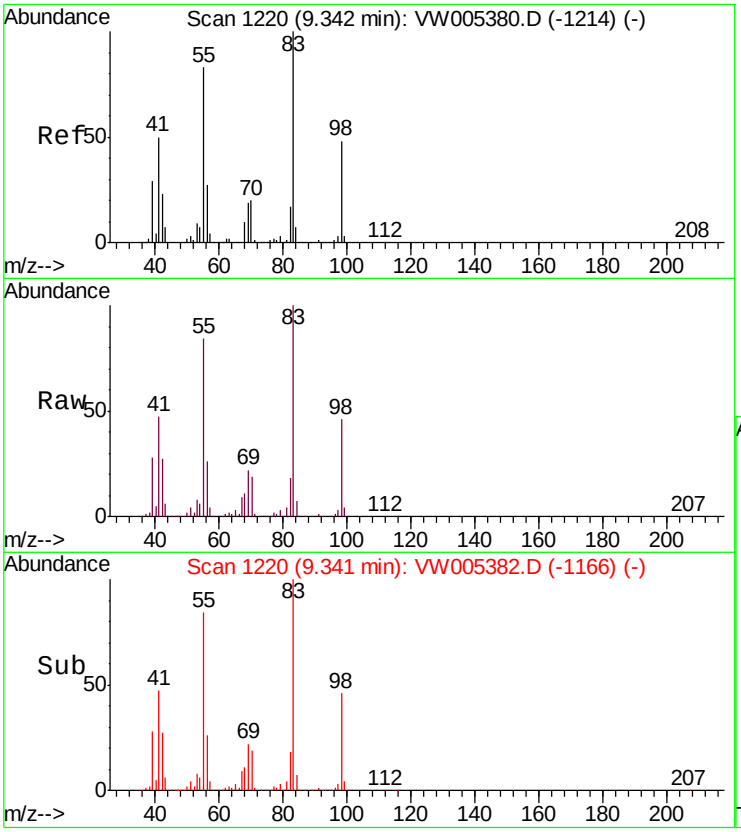


#35
Trichloroethene
Concen: 39.547 ug/L
RT: 9.10 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 95 Resp: 183512

Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.0	83.6
132	97.3	67.2	124.8
130	101.6	68.8	127.8



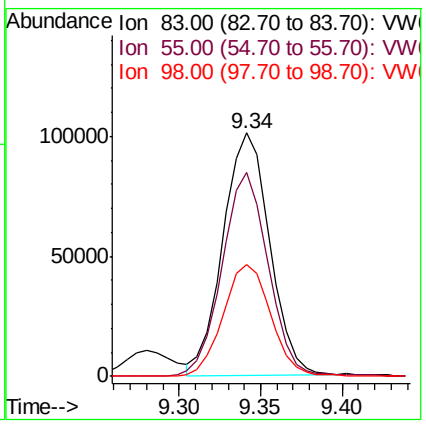


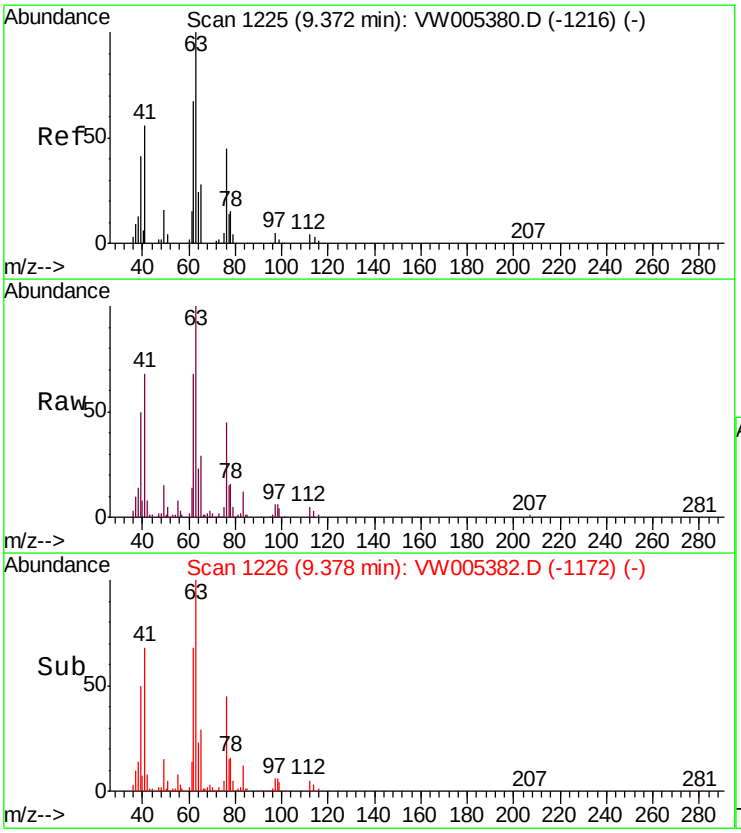
#36
Methylcyclohexane
Concen: 24.858 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion: 83 Resp: 200207

Ion	Ratio	Lower	Upper
83	100		
55	84.0	66.4	99.6
98	47.7	37.3	55.9

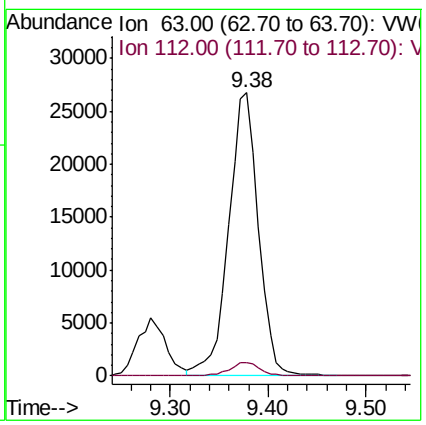


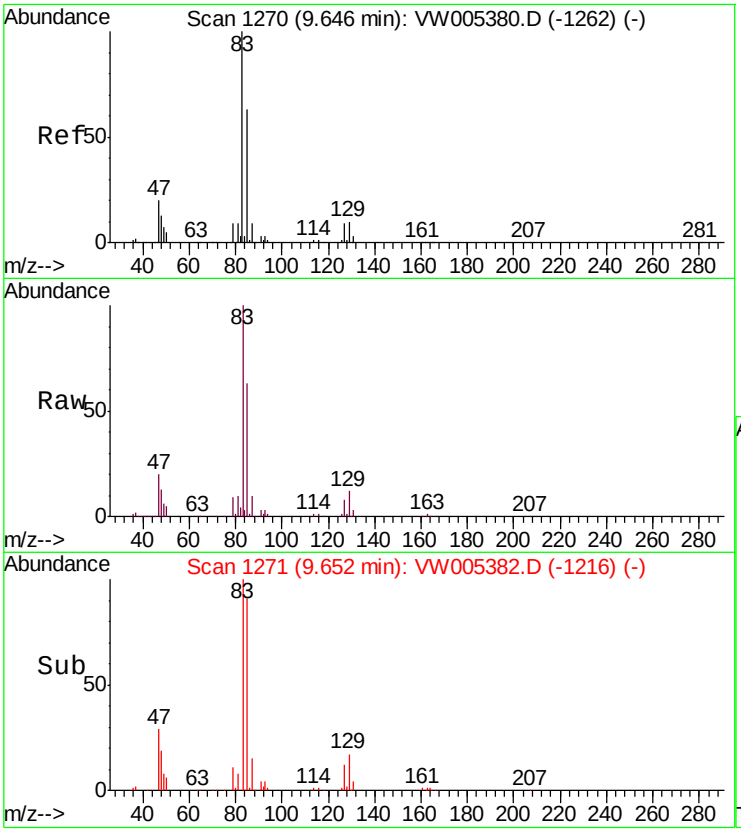


#40
1,2-Dichloropropane
Concen: 13.098 ug/L
RT: 9.38 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 63 Resp: 56530

Ion	Ratio	Lower	Upper
63	100		
112	4.8	3.4	5.2



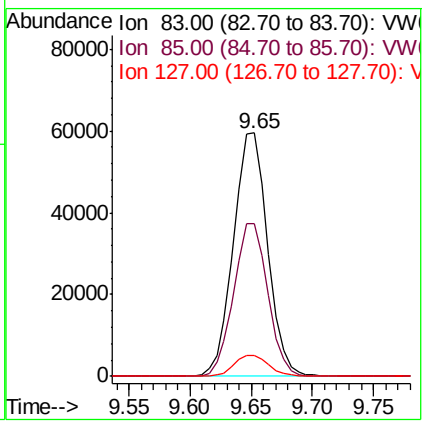


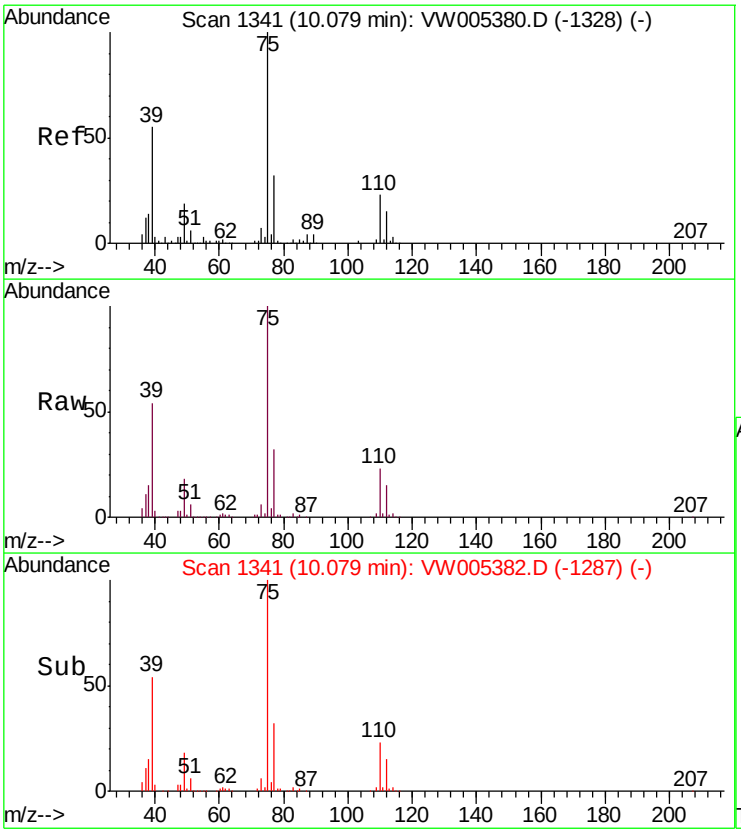
#41
Bromodichloromethane
Concen: 20.868 ug/L
RT: 9.65 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument :
MSVOA_W
ClientSampleId :
DB3N0

Tgt Ion: 83 Resp: 115456

Ion	Ratio	Lower	Upper
83	100		
85	62.9	44.0	81.6
127	8.5	7.5	11.3

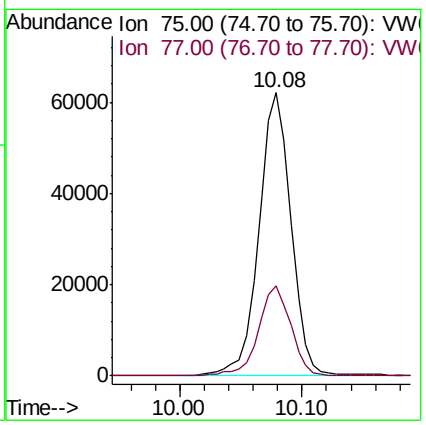


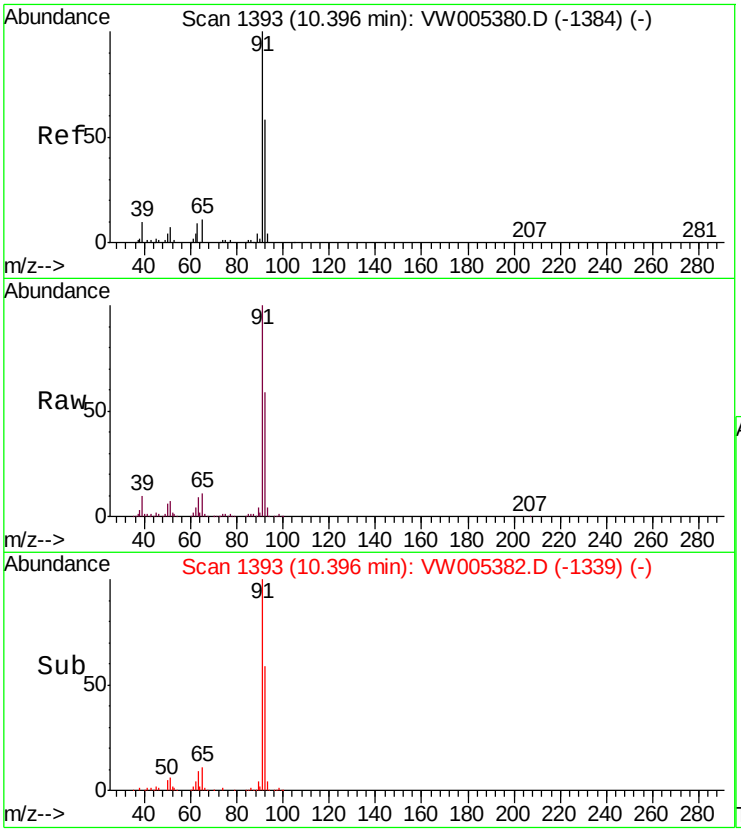


#42
cis-1,3-Dichloropropene
Concen: 17.770 ug/L
RT: 10.08 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 75 Resp: 113289

Ion	Ratio	Lower	Upper
75	100		
77	32.0	22.3	41.3



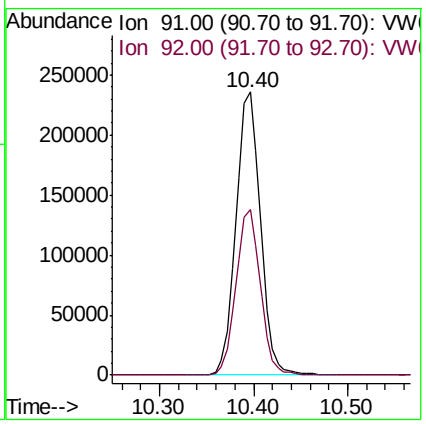


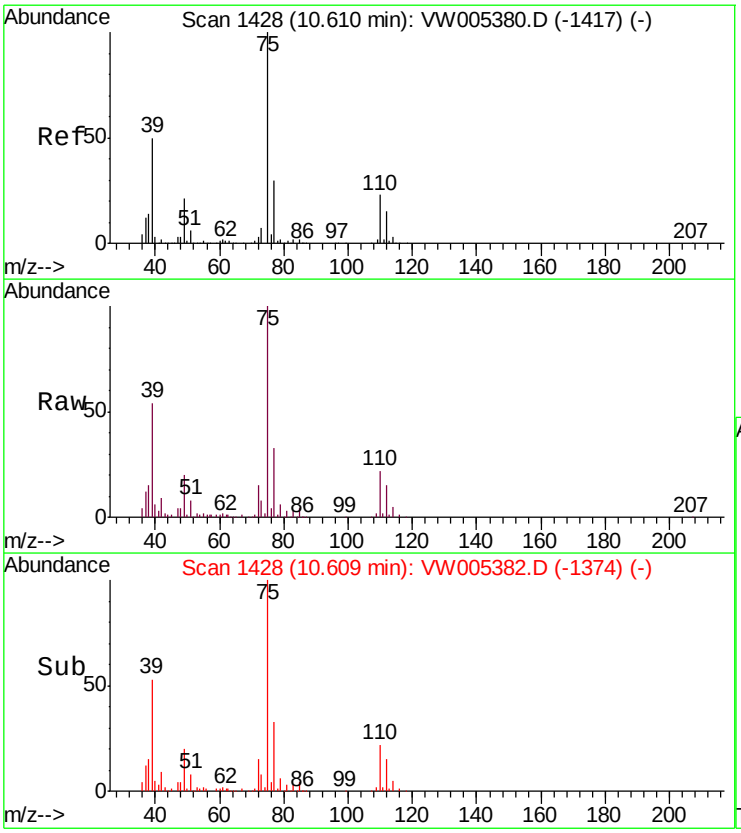
#44
Toluene
Concen: 21.428 ug/L
RT: 10.40 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion: 91 Resp: 429262

Ion	Ratio	Lower	Upper
91	100		
92	58.6	39.8	74.0

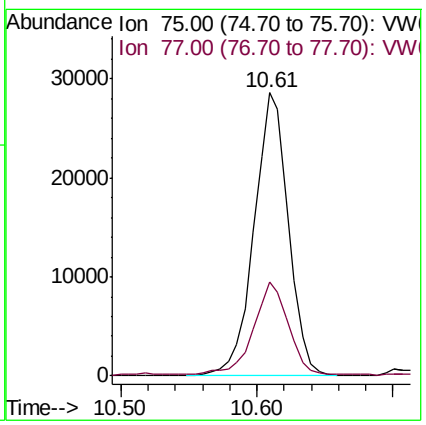


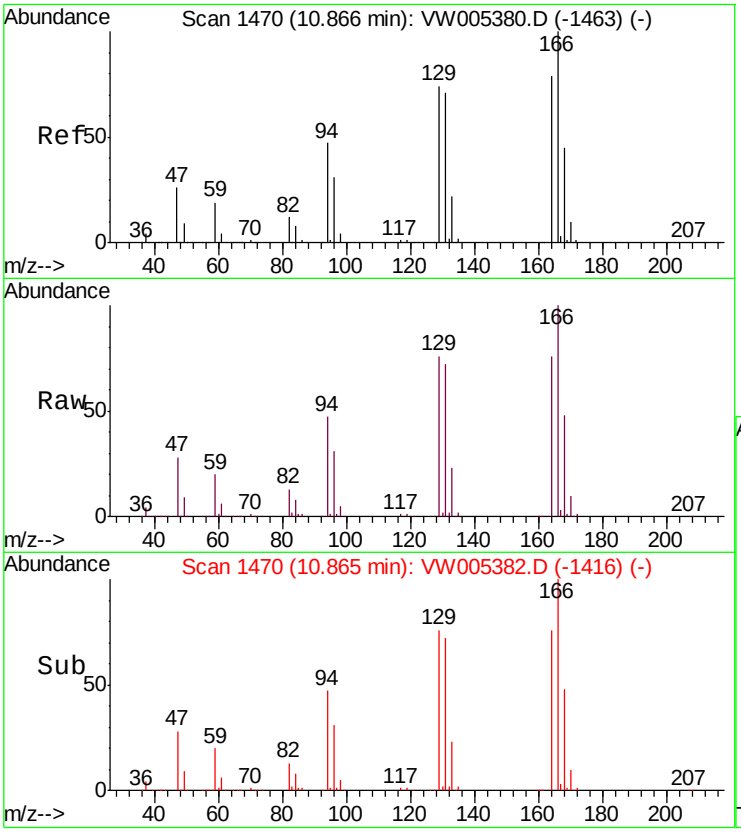


#45
trans-1,3-Dichloropropene
Concen: 8.472 ug/L
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 75 Resp: 50601

Ion	Ratio	Lower	Upper
75	100		
77	33.1	22.3	41.3



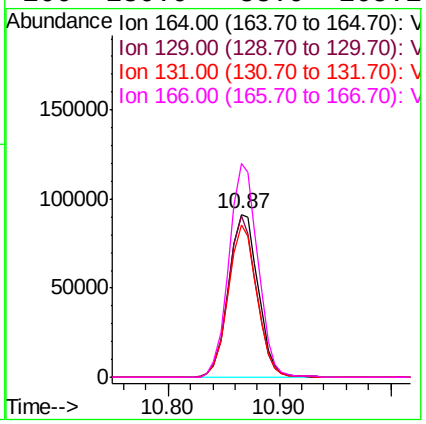


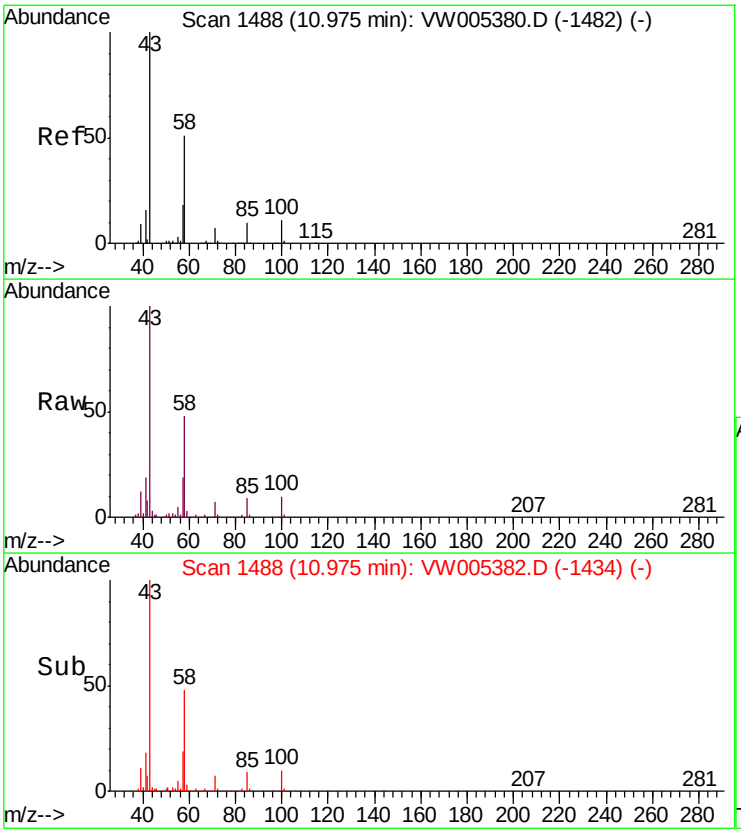
#47
Tetrachloroethene
Concen: 40.272 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument :
MSVOA_W
ClientSampleId :
DB3N0

Tgt Ion:164 Resp: 169203

Ion	Ratio	Lower	Upper
164	100		
129	99.2	66.2	123.0
131	93.6	63.6	118.0
166	130.9	88.9	165.1

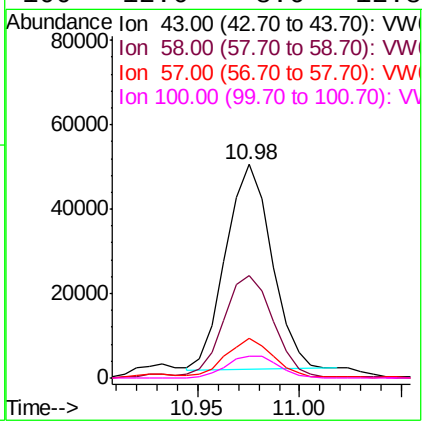


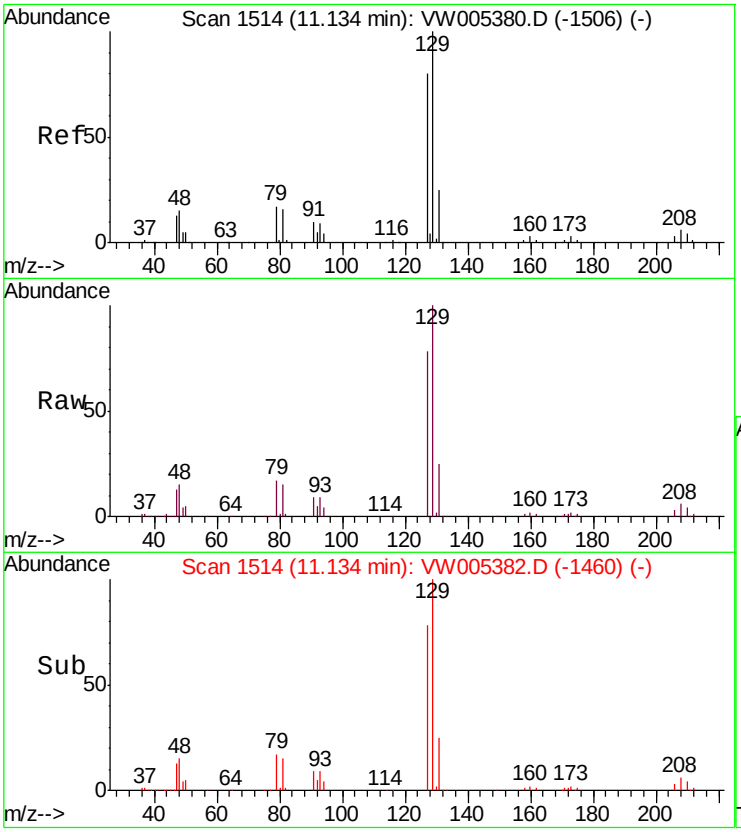


#49
2-Hexanone
Concen: 24.939 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 43 Resp: 75657

Ion	Ratio	Lower	Upper
43	100		
58	54.9	41.6	62.4
57	20.3	15.0	22.6
100	12.6	8.6	12.8



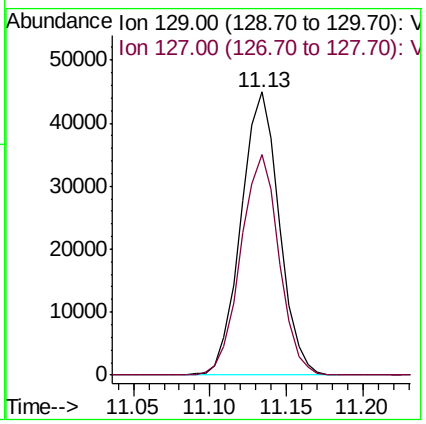


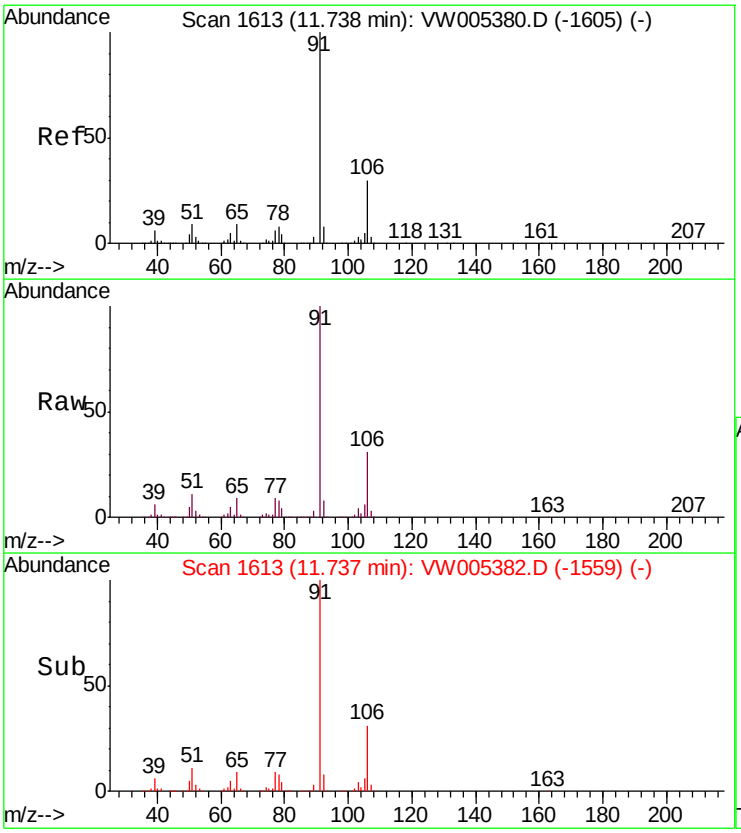
#50
Dibromochloromethane
Concen: 19.317 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion:129 Resp: 78183

Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.1	98.5

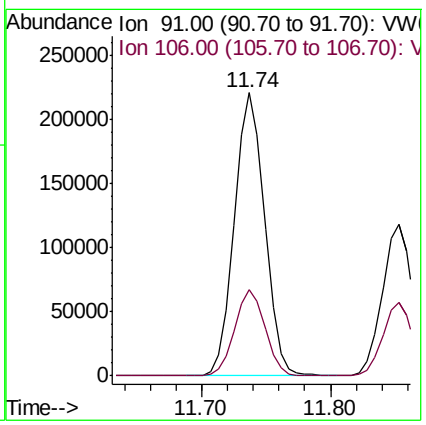


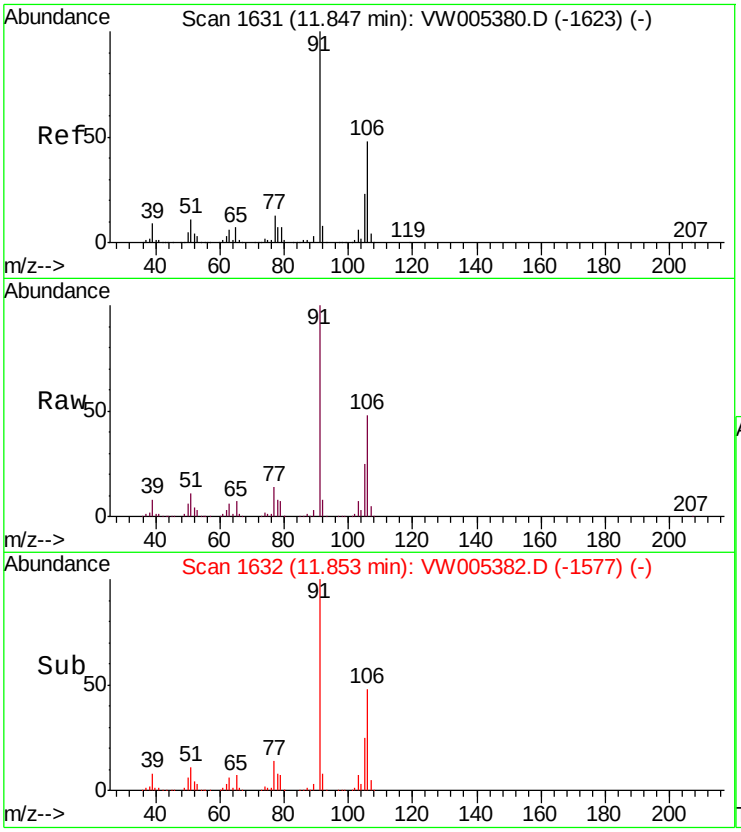


#53
Ethylbenzene
Concen: 15.381 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 91 Resp: 358355

Ion	Ratio	Lower	Upper
91	100		
106	30.7	20.8	38.6



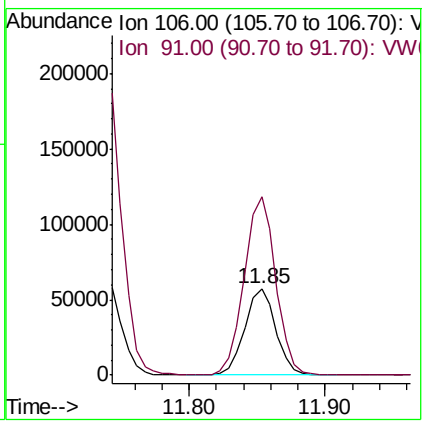


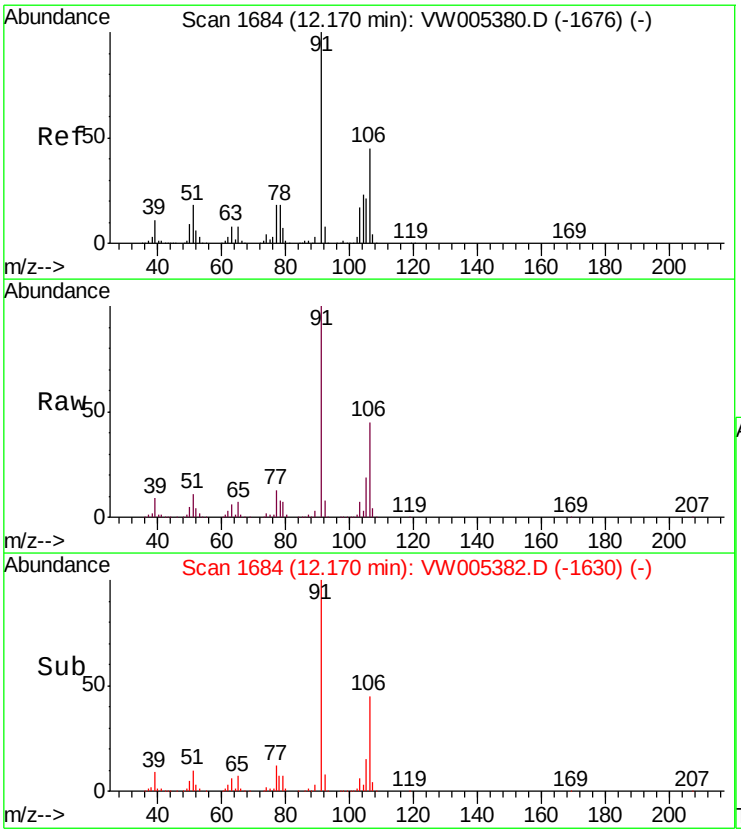
#54
m,p-Xylene
Concen: 10.562 ug/L
RT: 11.85 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion:106 Resp: 92141

Ion	Ratio	Lower	Upper
106	100		
91	206.5	146.4	271.8

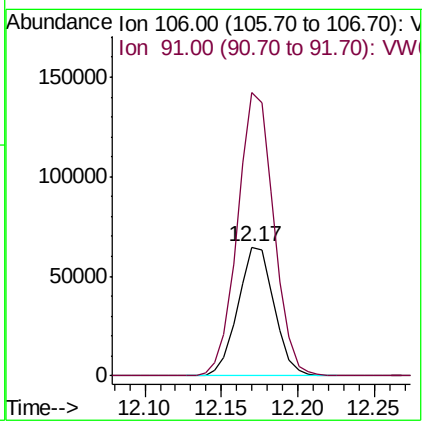


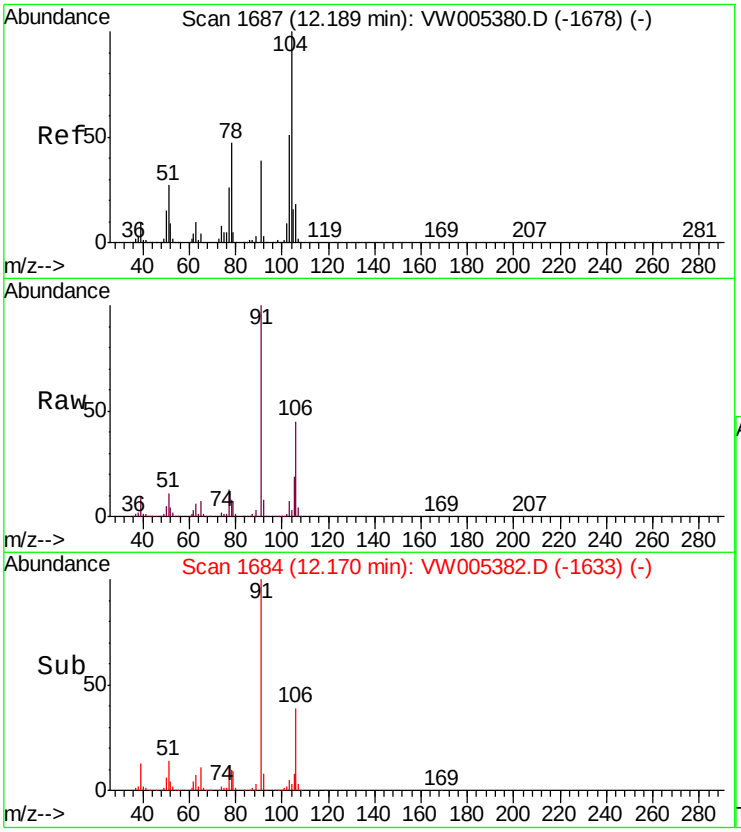


#55
o-xylene
Concen: 12.989 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion:106 Resp: 106403

Ion	Ratio	Lower	Upper
106	100		
91	220.0	155.1	288.1



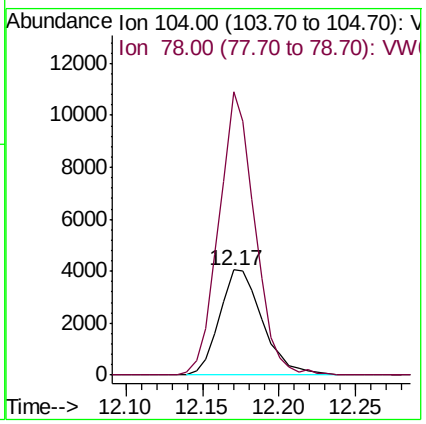


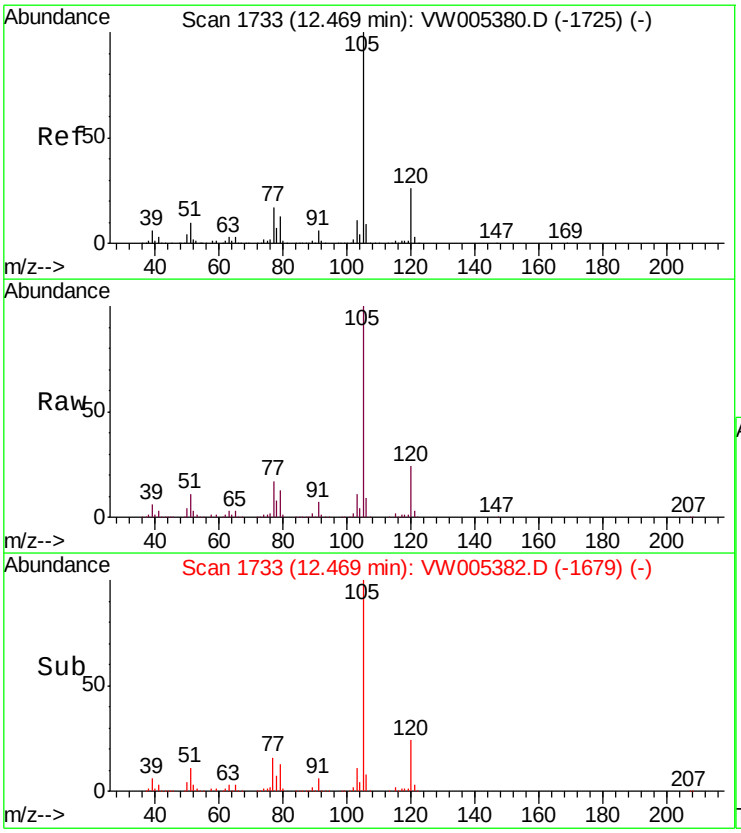
#56
Styrene
Concen: 0.560 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.02 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion:104 Resp: 7921

Ion	Ratio	Lower	Upper
104	100		
78	269.3	32.8	60.8#

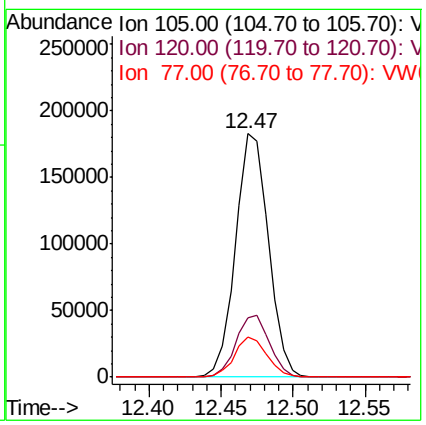


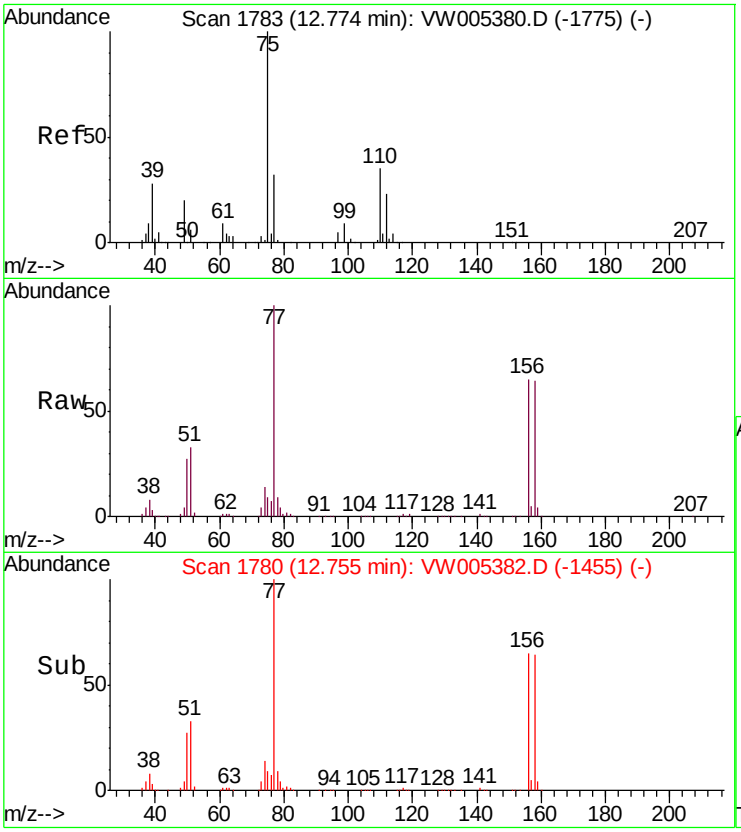


#57
Isopropylbenzene
Concen: 12.751 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion:105 Resp: 290142

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.3	30.5
77	16.3	12.9	19.3



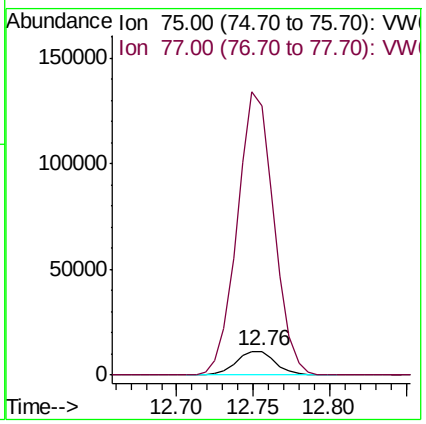


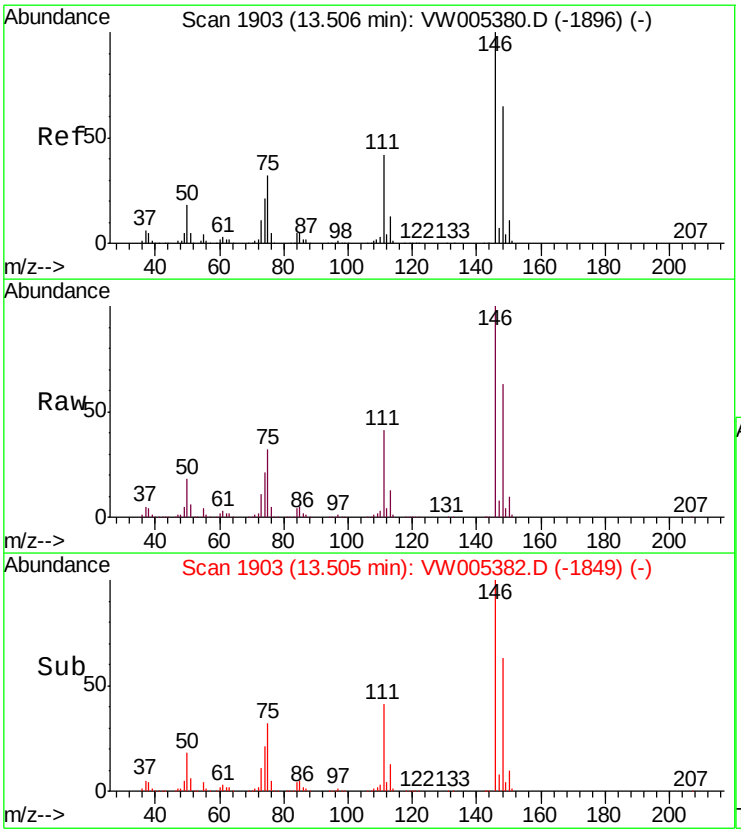
#59
1,2,3-Trichloropropane
Concen: 5.035 ug/L
RT: 12.76 min Scan# 1780
Delta R.T. -0.02 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion: 75 Resp: 20048

Ion	Ratio	Lower	Upper
75	100		
77	1113.4	25.7	38.5#

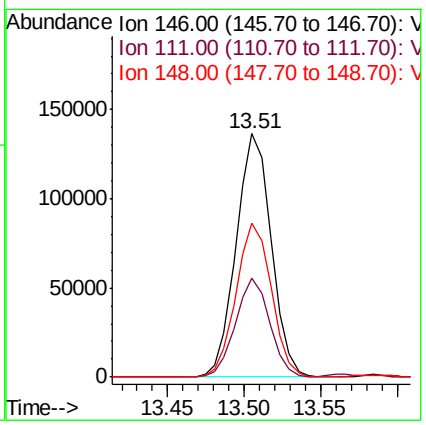


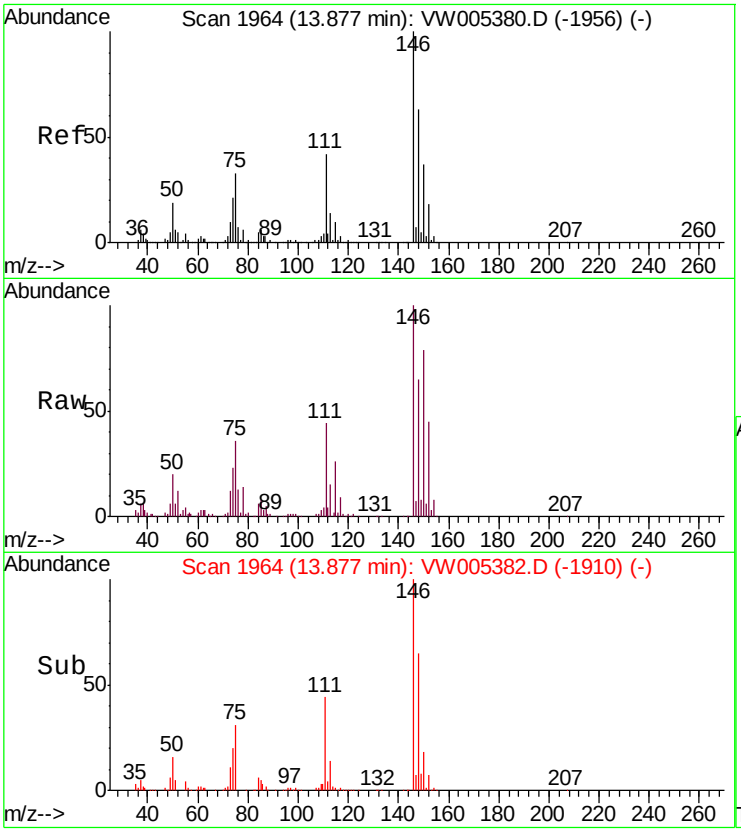


#63
1,3-Dichlorobenzene
Concen: 20.532 ug/L
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion:146 Resp: 217673

Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.1	52.3
148	63.1	44.7	83.1



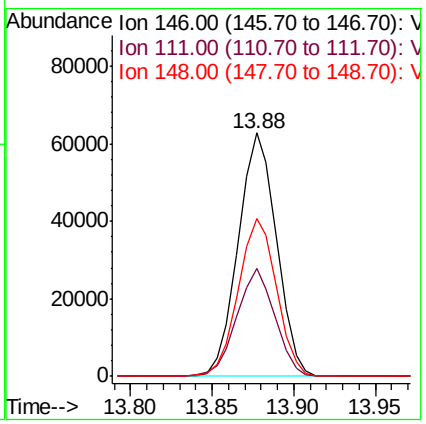


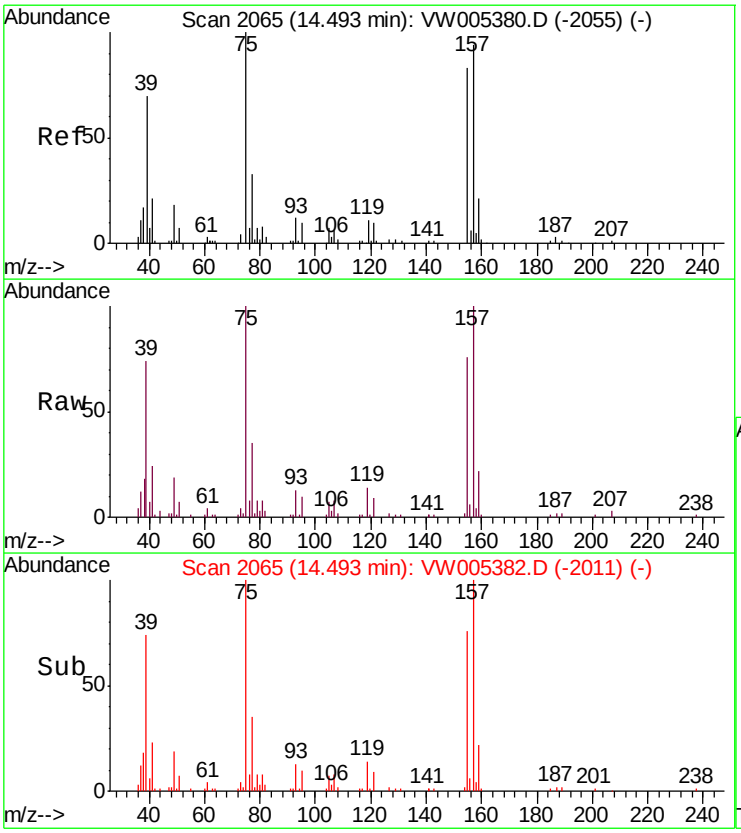
#65
1,2-Dichlorobenzene
Concen: 10.117 ug/L
RT: 13.88 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument : MSVOA_W
ClientSampleId : DB3N0

Tgt Ion:146 Resp: 102686

Ion	Ratio	Lower	Upper
146	100		
111	44.2	32.9	49.3
148	64.9	50.6	75.8

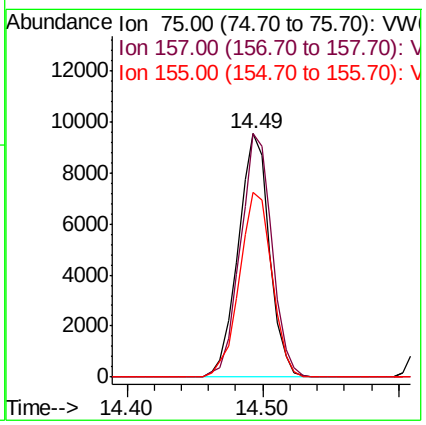


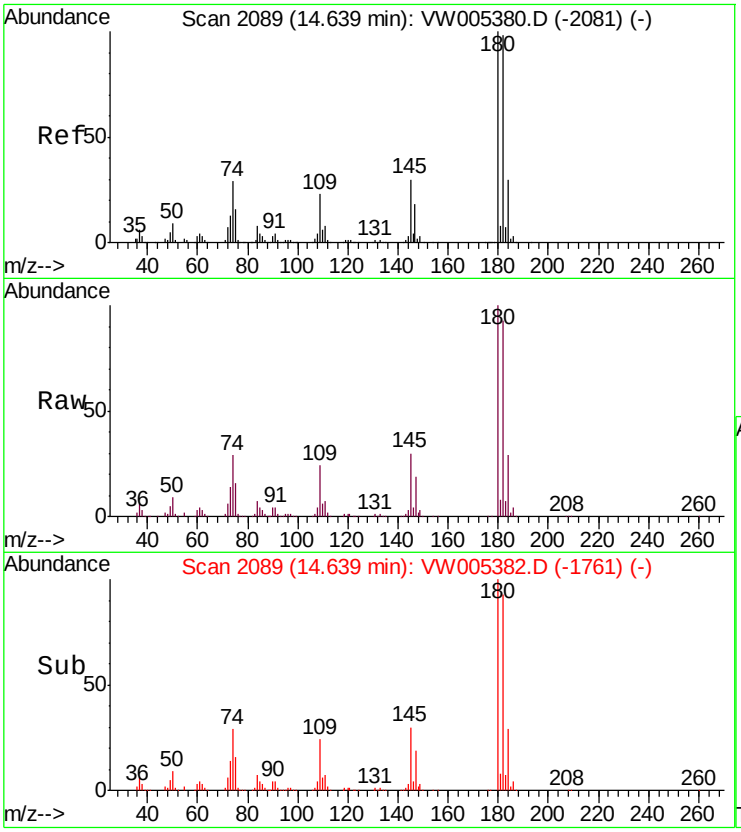


#66
1,2-Dibromo-3-chloropropane
Concen: 13.800 ug/L
RT: 14.49 min Scan# 2065
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Tgt Ion: 75 Resp: 15198

Ion	Ratio	Lower	Upper
75	100		
157	100.1	86.3	129.5
155	75.8	66.6	100.0





#67
1,3,5-Trichlorobenzene
Concen: 24.602 ug/L
RT: 14.64 min Scan# 2089
Delta R.T. 0.00 min
Lab File: VW005382.D
Acq: 14 Sep 2018 12:20

Instrument :
MSVOA_W
ClientSampleId :
DB3N0

Tgt Ion:180 Resp: 206527

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.7	113.5
184	30.2	24.0	36.0
145	30.3	23.8	35.6