Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080119\

Quantitation Report (Not Reviewed)

Data File : VW011594.D
Acq On : 01 Aug 2019 12:16
Operator : SY/VA
Sample : K4001-01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB909

Quant Time: Aug 02 04:33:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 04:30:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	344345	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	302438	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	145374	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	108091	22.29	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.16%			
7) Chloroethane-d5	2.89	69	78586	22.50	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.00%			
10) 1,1-Dichloroethene-d2	4.02	63	242817	21.84	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 87.36%			
20) 2-Butanone-d5	7.07	46	117324	53.74	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.48%			
24) Chloroform-d	7.65	84	205415	21.72	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 86.88%			
26) 1,2-Dichloroethane-d4	8.31	65	129700	23.17	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.68%			
29) Benzene-d6	8.27	84	436969	22.98	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 91.92%			
33) 1,2-Dichloropropane-d6	9.27	67	140628	22.91	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.64%			
37) Toluene-d8	10.32	98	382442	22.66	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.64%			
38) trans-1,3-Dichloropropene-	10.58	79	61134	22.72	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.88%			
39) 2-Hexanone-d5	10.93	63	76307	53.21	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 106.42%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123628	24.25	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 97.00%			
61) 1,2-Dichlorobenzene-d4	13.85	152	126889	22.65	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 90.60%			

Target Compounds						Qvalue
3) Chloromethane	2.21	50	90891	18.106	ug/L	99
6) Bromomethane	2.78	94	25067	8.302	ug/L	97
9) Trichlorofluoromethane	3.26	101	45173	13.846	ug/L	99
12) 1,1-Dichloroethene	4.04	96	99356	20.089	ug/L	86
13) Acetone	4.12	43	180821	77.330	ug/L	98
15) Methyl Acetate	4.67	43	151032	39.505	ug/L	100
16) Methylene chloride	4.92	84	54405	10.124	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	236442	28.708	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	50474	9.878	ug/L	96
21) 2-Butanone	7.14	43	5935	2.024	ug/L	77
22) cis-1,2-Dichloroethene	7.17	96	125600	23.495	ug/L	96
23) Bromochloromethane	7.52	128	32132	14.127	ug/L	92
27) 1,2-Dichloroethane	8.40	62	65769	9.443	ug/L	97
30) Cyclohexane	7.96	56	99008	9.418	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	70795	9.607	ug/L	99
32) Carbon tetrachloride	8.07	117	80267	11.578	ug/L	99
35) Trichloroethene	9.09	95	201960	37.536	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080119\

Quantitation Report (Not Reviewed)

Data File : VW011594.D
Acq On : 01 Aug 2019 12:16
Operator : SY/VA
Sample : K4001-01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB909

Quant Time: Aug 02 04:33:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 04:30:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Methylcyclohexane	9.34	83	231629	23.730	ug/L	99
40) 1,2-Dichloropropane	9.37	63	68744	12.151	ug/L	99
41) Bromodichloromethane	9.65	83	123515	18.502	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	133192	15.740	ug/L	99
44) Toluene	10.39	91	412513	19.158	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	55638	7.903	ug/L	99
47) Tetrachloroethene	10.86	164	152429	37.090	ug/L	95
49) 2-Hexanone	10.97	43	168795	42.743	ug/L	99
50) Dibromochloromethane	11.13	129	78834	18.543	ug/L	97
53) Ethylbenzene	11.73	91	341590	14.225	ug/L	99
54) m,p-Xylene	11.85	106	82834	9.487	ug/L	99
55) o-xylene	12.16	106	95239	11.590	ug/L	97
57) Isopropylbenzene	12.46	105	265883	11.761	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	181724	18.418	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	84355	9.441	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	18219	19.702	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	170439	23.469	ug/L	100

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

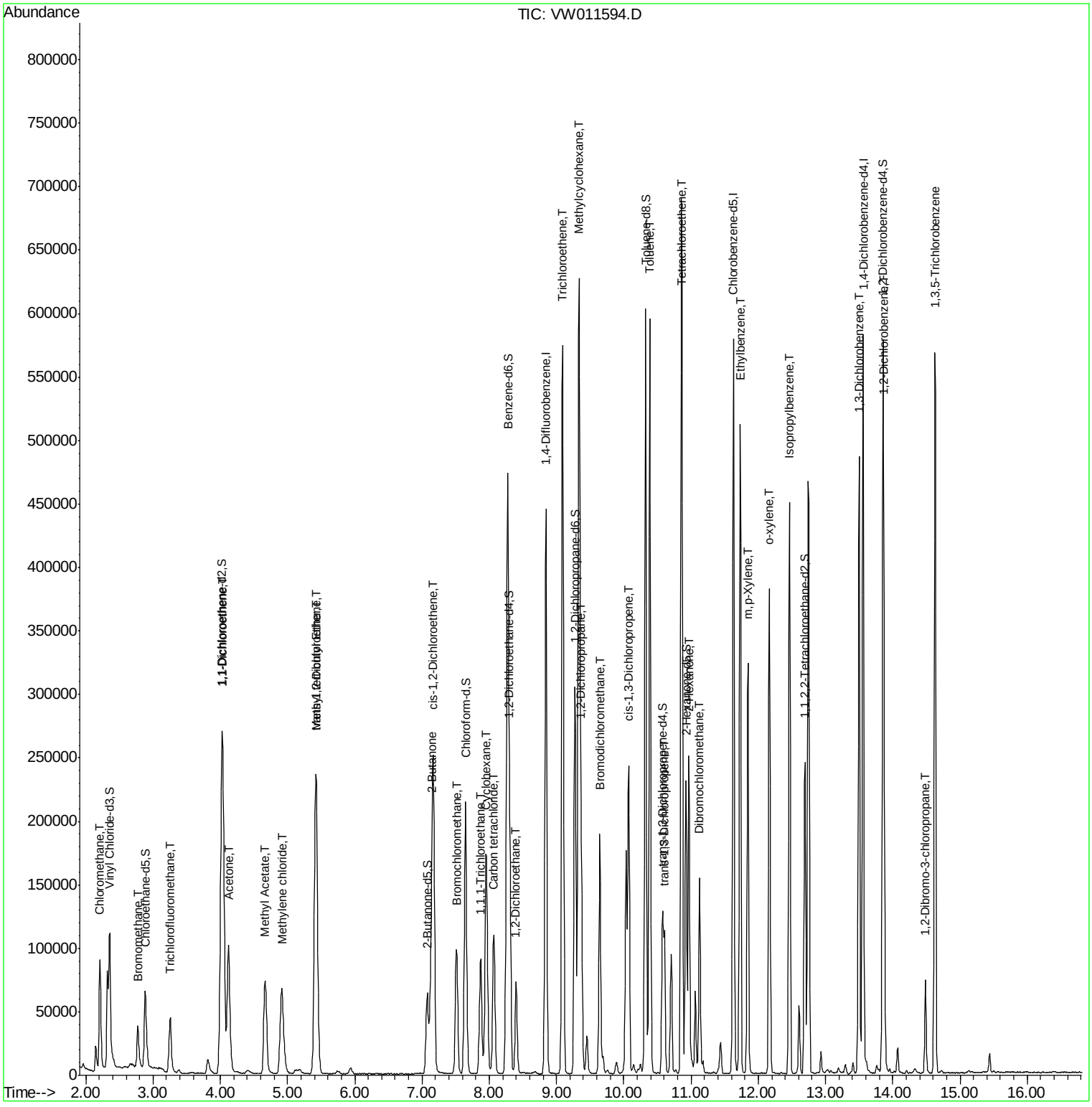
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080119\

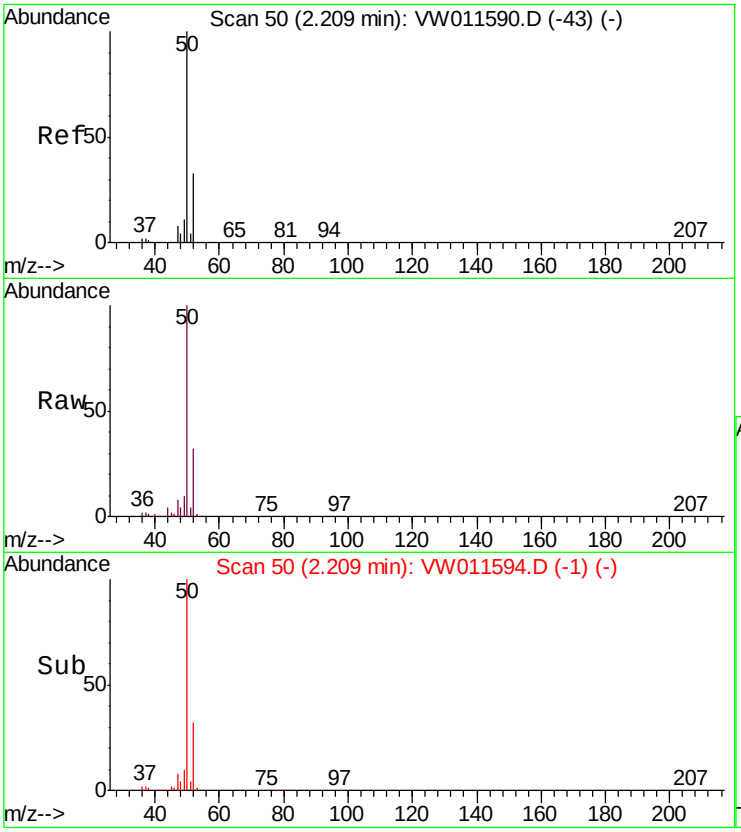
Quantitation Report (Not Reviewed)

Data File : VW011594.D
Acq On : 01 Aug 2019 12:16
Operator : SY/VA
Sample : K4001-01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DB909

Quant Time: Aug 02 04:33:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 04:30:25 2019
Response via : Initial Calibration



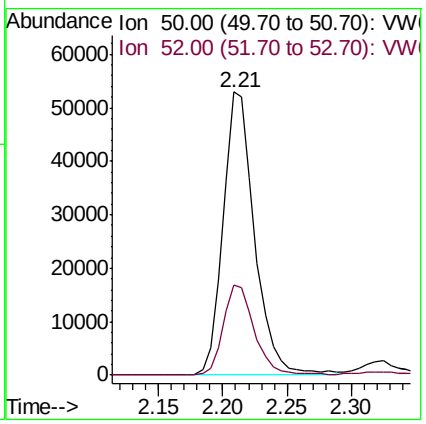


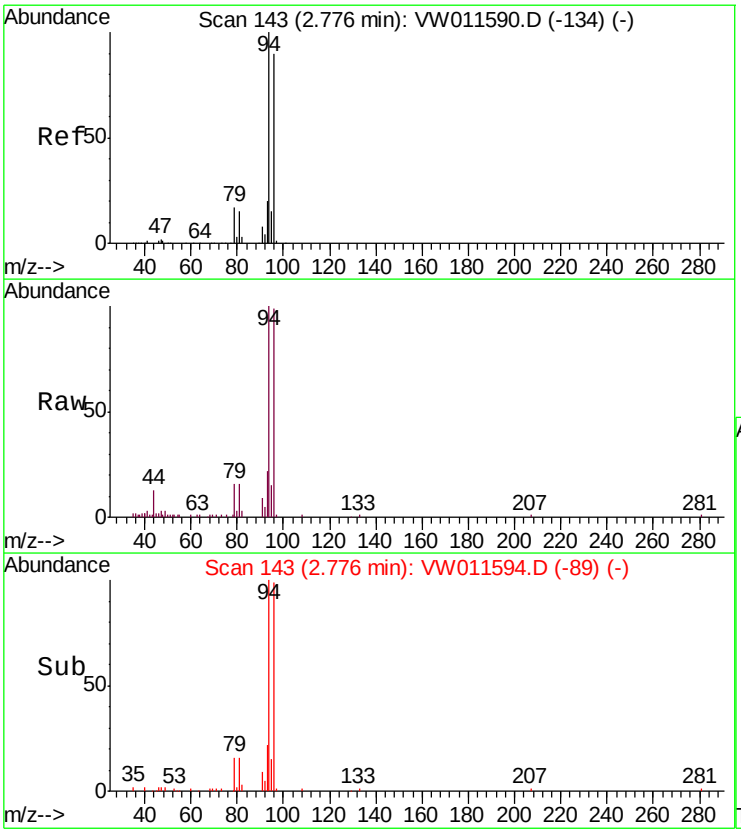
#3
Chloromethane
Concen: 18.106 ug/L
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
DB909

Tgt Ion: 50 Resp: 90891

Ion	Ratio	Lower	Upper
50	100		
52	31.8	22.7	42.1

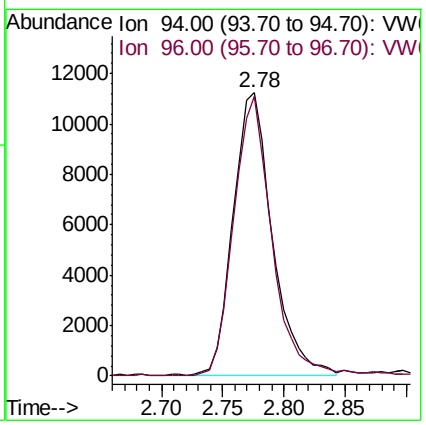


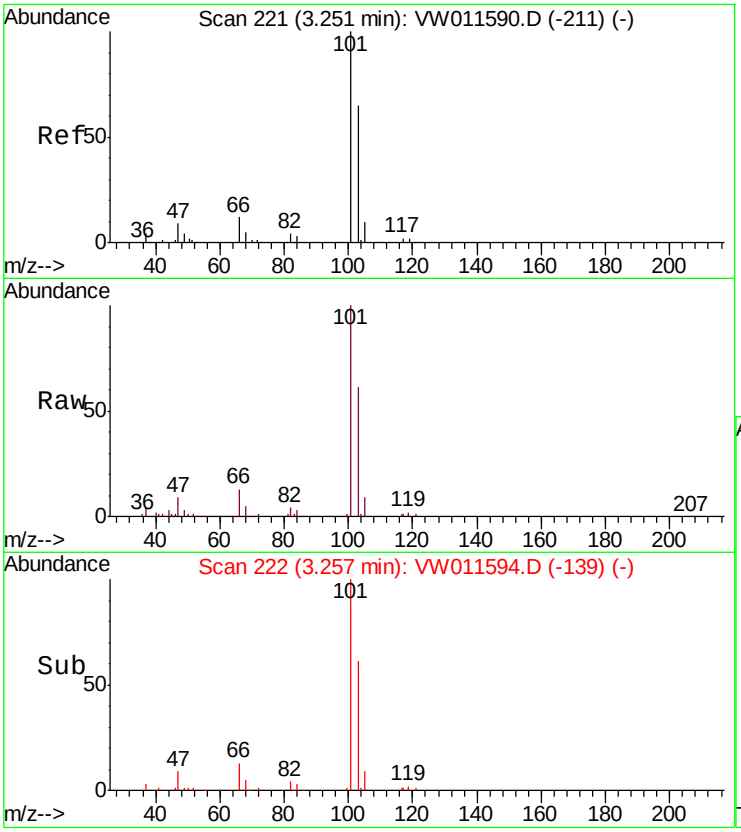


#6
Bromomethane
Concen: 8.302 ug/L
RT: 2.78 min Scan# 143
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion: 94 Resp: 25067

Ion	Ratio	Lower	Upper
94	100		
96	95.9	9.3	175.9



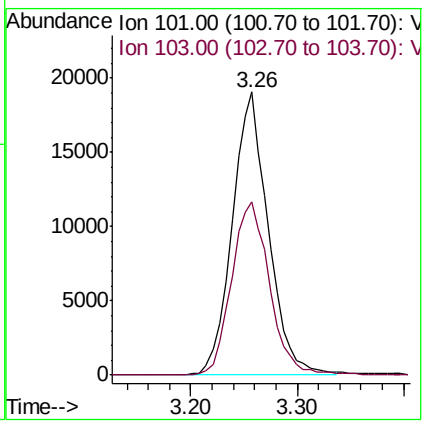


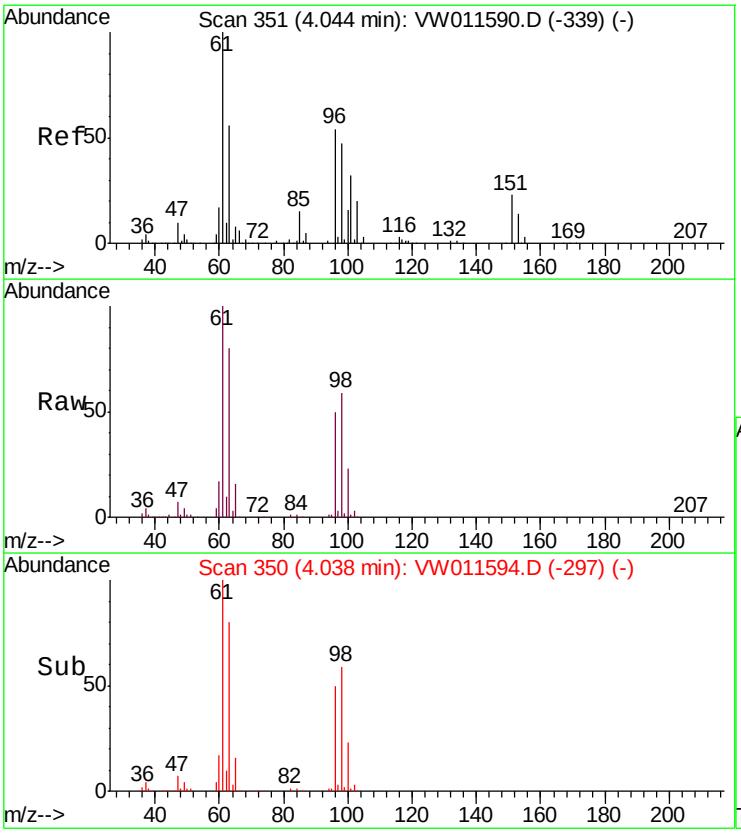
#9
Trichlorofluoromethane
Concen: 13.846 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion:101 Resp: 45173

Ion	Ratio	Lower	Upper
101	100		
103	64.0	44.3	82.3

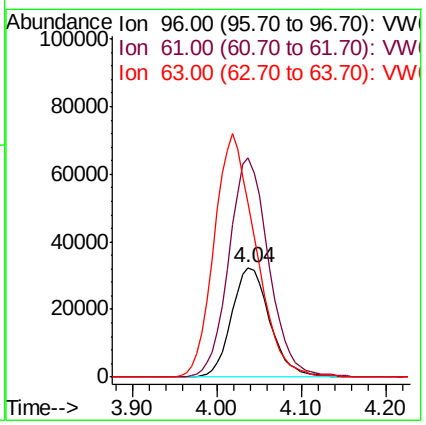


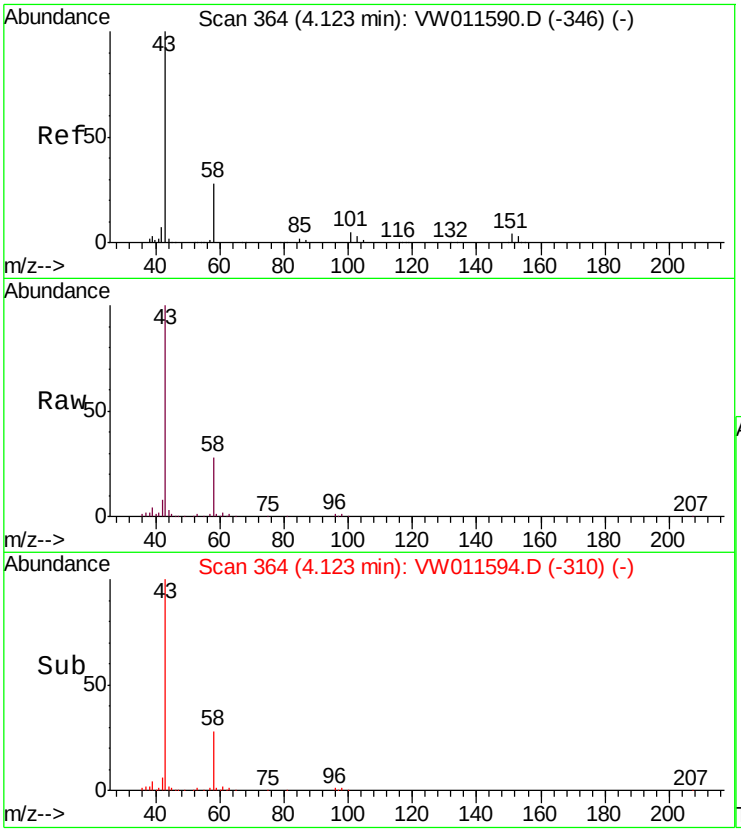


#12
1,1-Dichloroethene
Concen: 20.089 ug/L
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion: 96 Resp: 99356

Ion	Ratio	Lower	Upper
96	100		
61	199.4	135.0	250.8
63	159.1	89.2	165.8



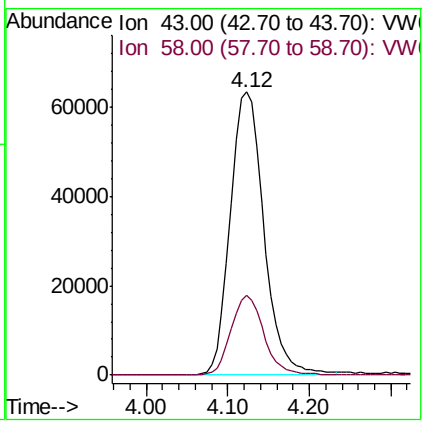


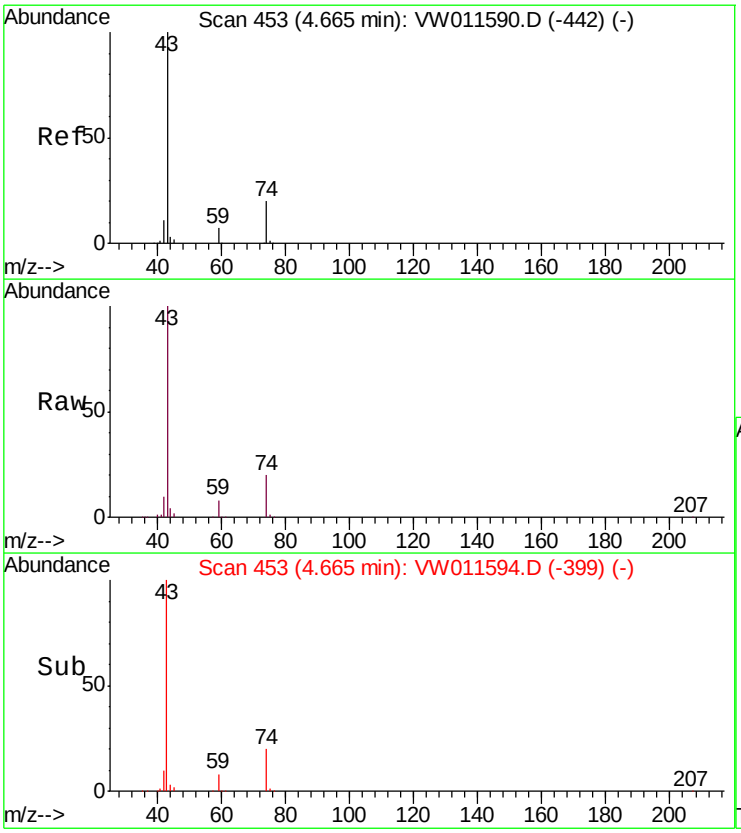
#13
Acetone
Concen: 77.330 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion: 43 Resp: 180821

Ion	Ratio	Lower	Upper
43	100		
58	27.5	0.0	53.4

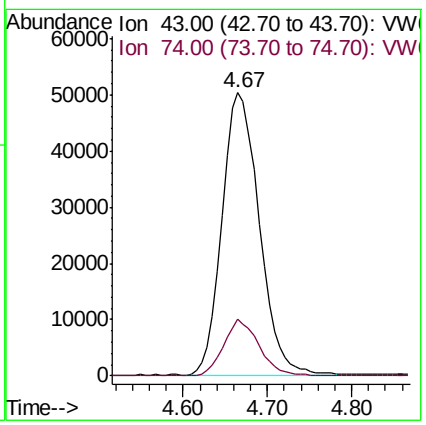


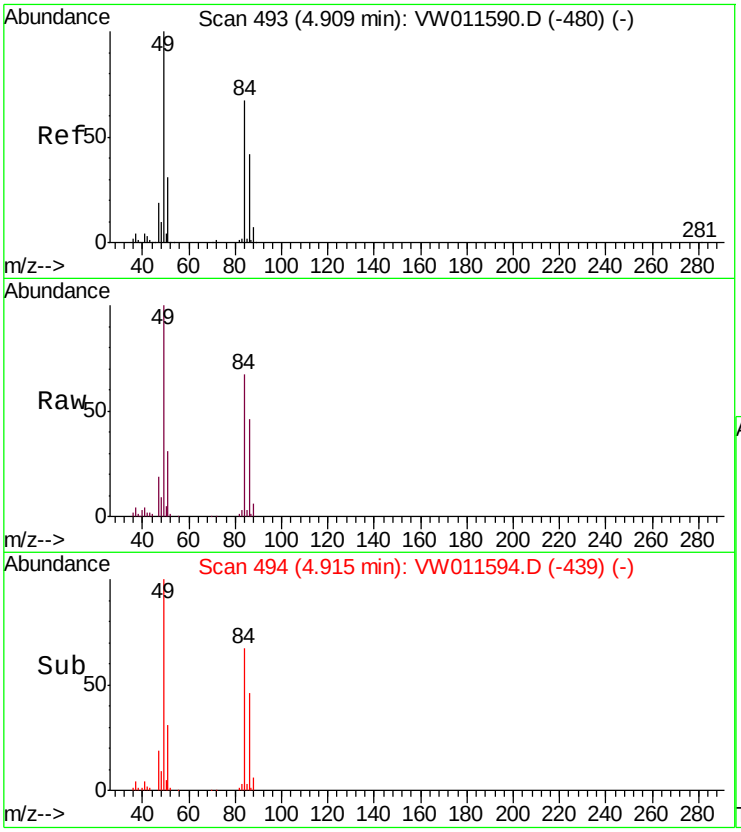


#15
Methyl Acetate
Concen: 39.505 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion: 43 Resp: 151032

Ion	Ratio	Lower	Upper
43	100		
74	18.9	15.0	22.4



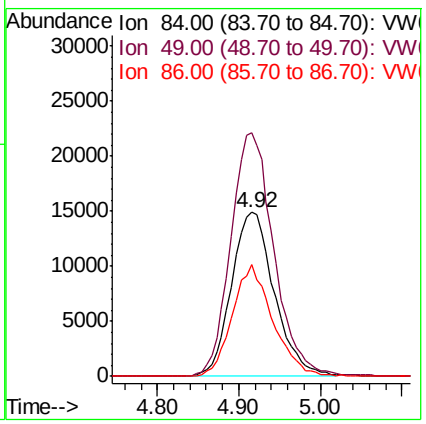


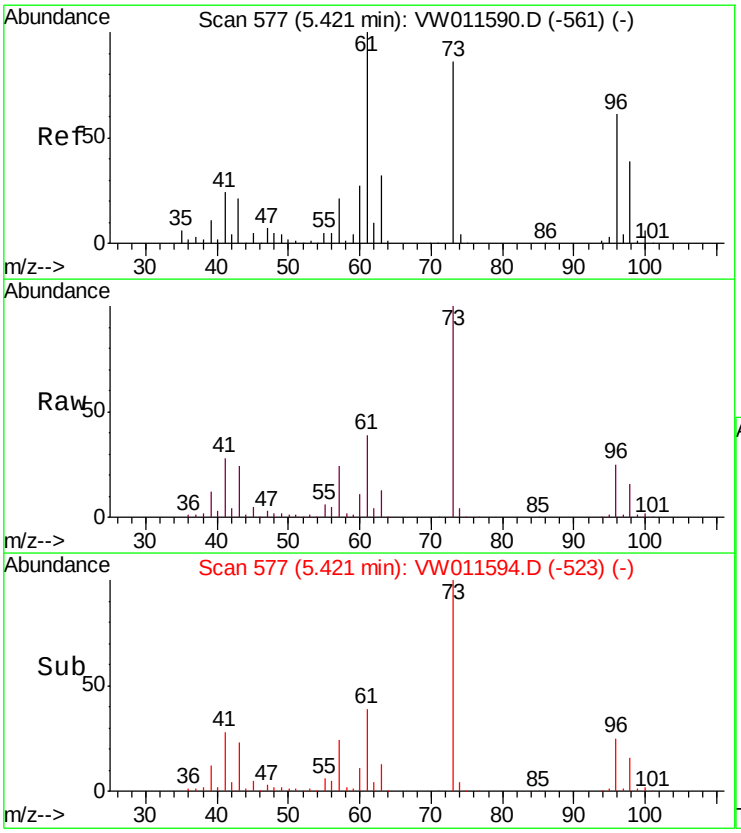
#16
Methylene chloride
Concen: 10.124 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
DB909

Tgt Ion: 84 Resp: 54405

Ion	Ratio	Lower	Upper
84	100		
49	148.7	106.8	198.4
86	68.5	42.8	79.4

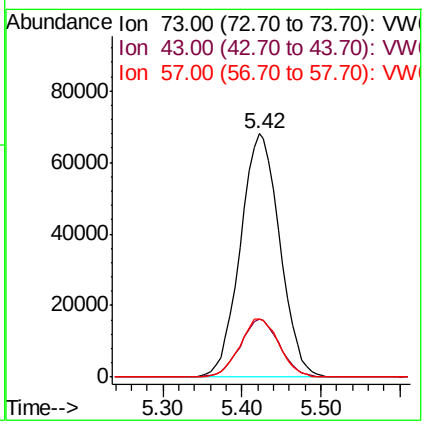


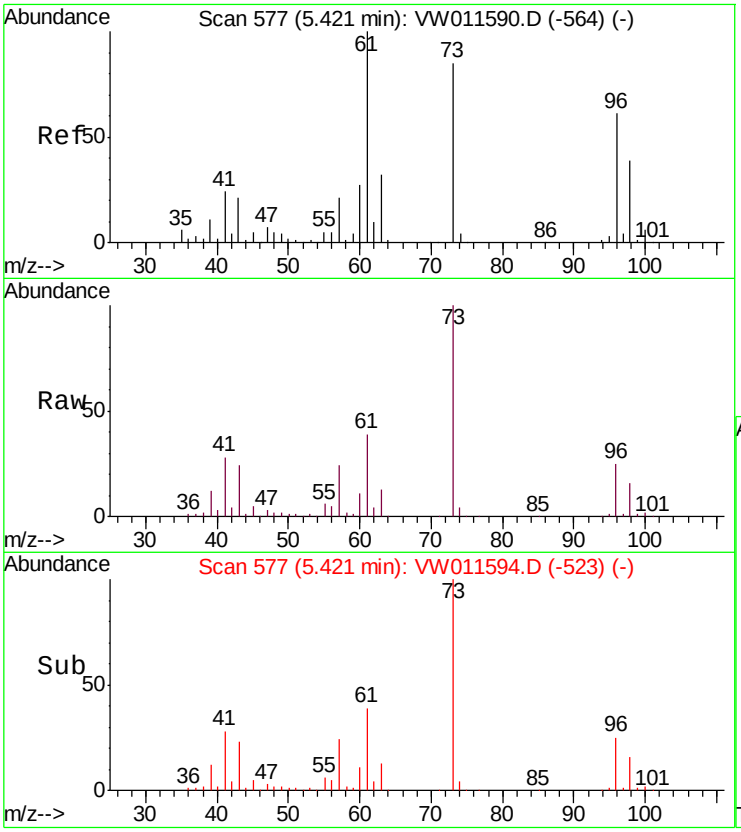


#17
Methyl tert-butyl Ether
Concen: 28.708 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion: 73 Resp: 236442

Ion	Ratio	Lower	Upper
73	100		
43	23.6	19.3	28.9
57	24.1	19.7	29.5



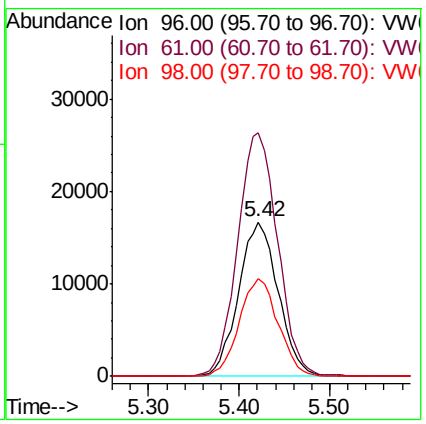


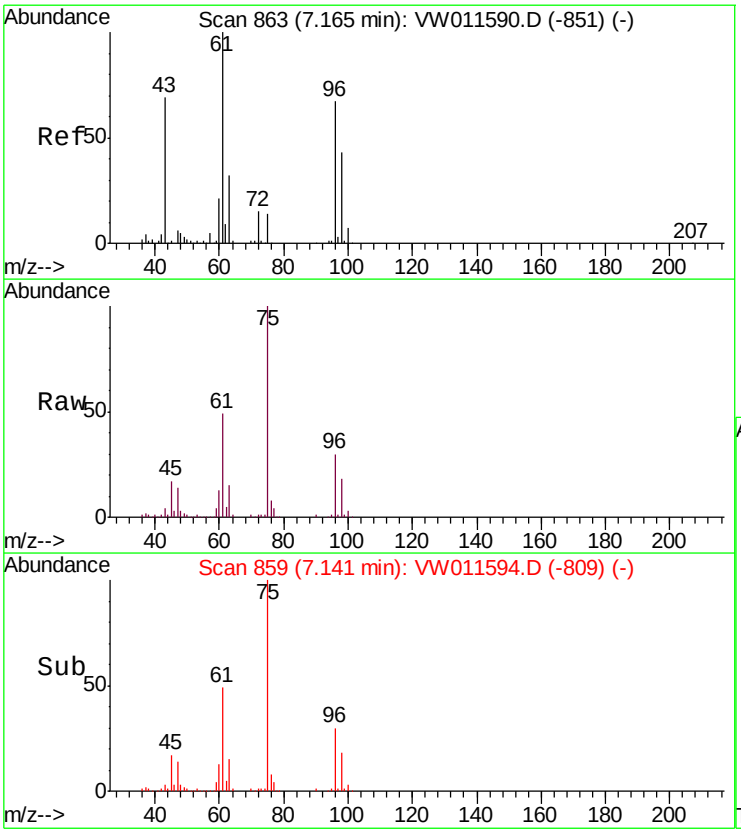
#18
trans-1,2-Dichloroethene
Concen: 9.878 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
DB909

Tgt Ion: 96 Resp: 50474

Ion	Ratio	Lower	Upper
96	100		
61	157.6	114.2	212.0
98	63.4	45.6	84.6

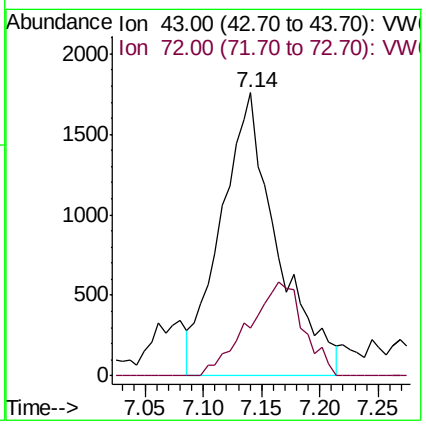


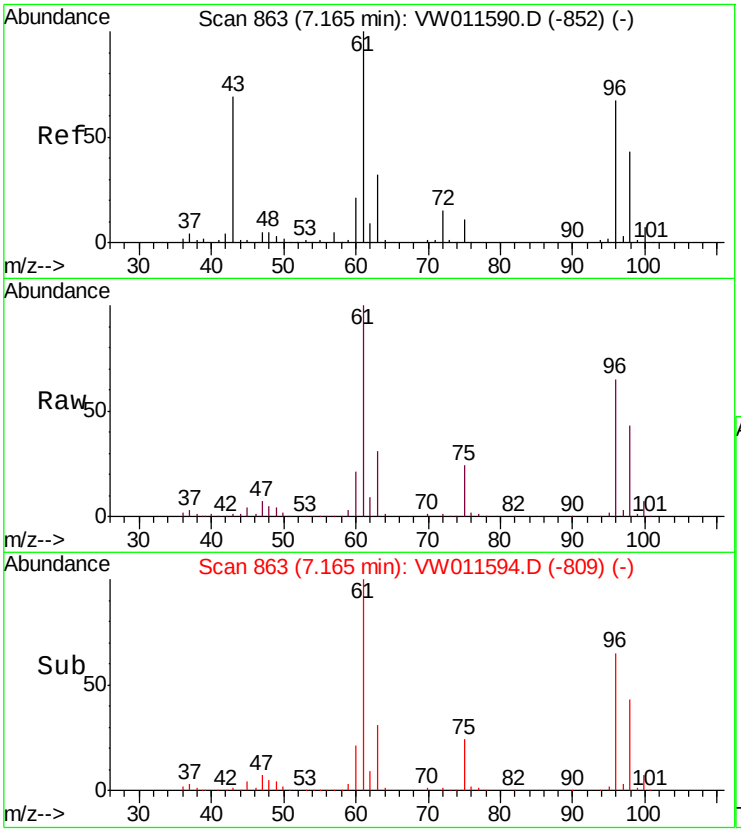


#21
2-Butanone
Concen: 2.024 ug/L
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion: 43 Resp: 5935

Ion	Ratio	Lower	Upper
43	100		
72	32.1	10.7	32.1



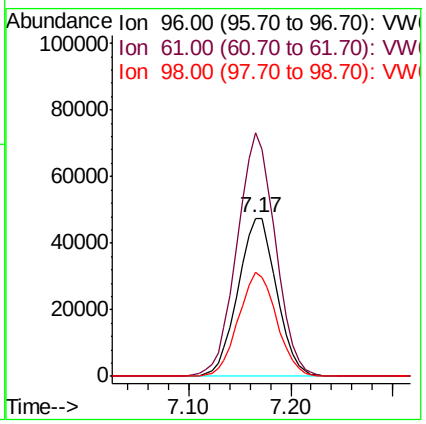


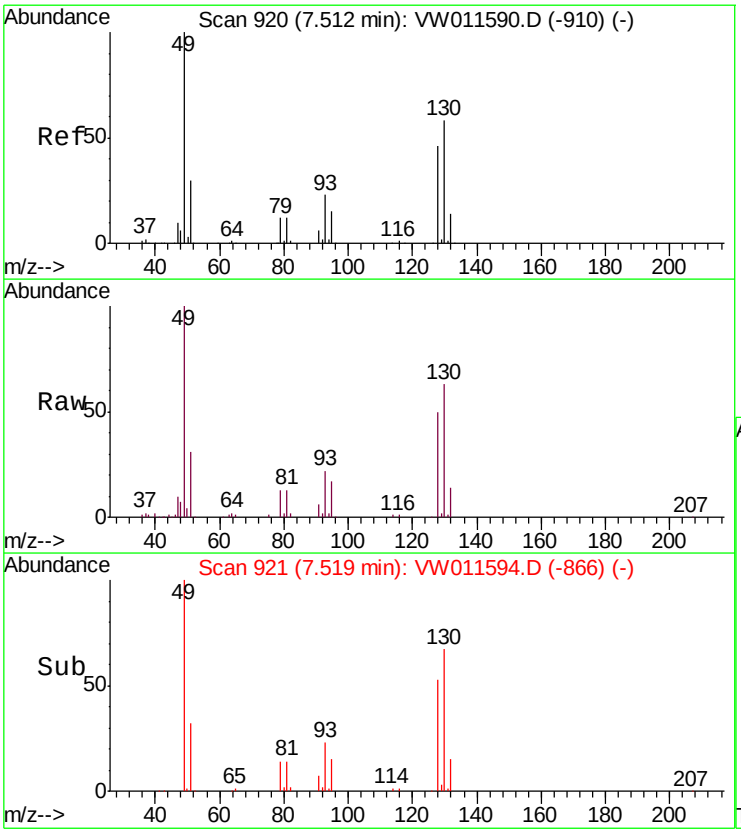
#22
cis-1,2-Dichloroethene
Concen: 23.495 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
DB909

Tgt Ion: 96 Resp: 125600

Ion	Ratio	Lower	Upper
96	100		
61	153.7	103.9	192.9
98	65.8	43.5	80.9

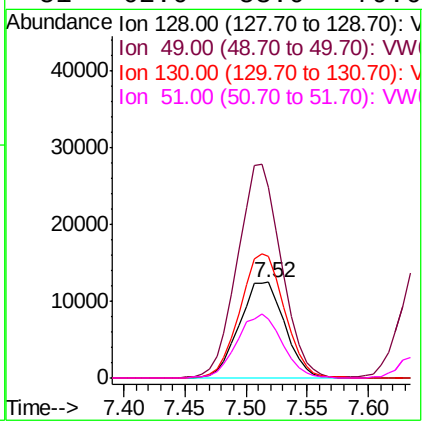


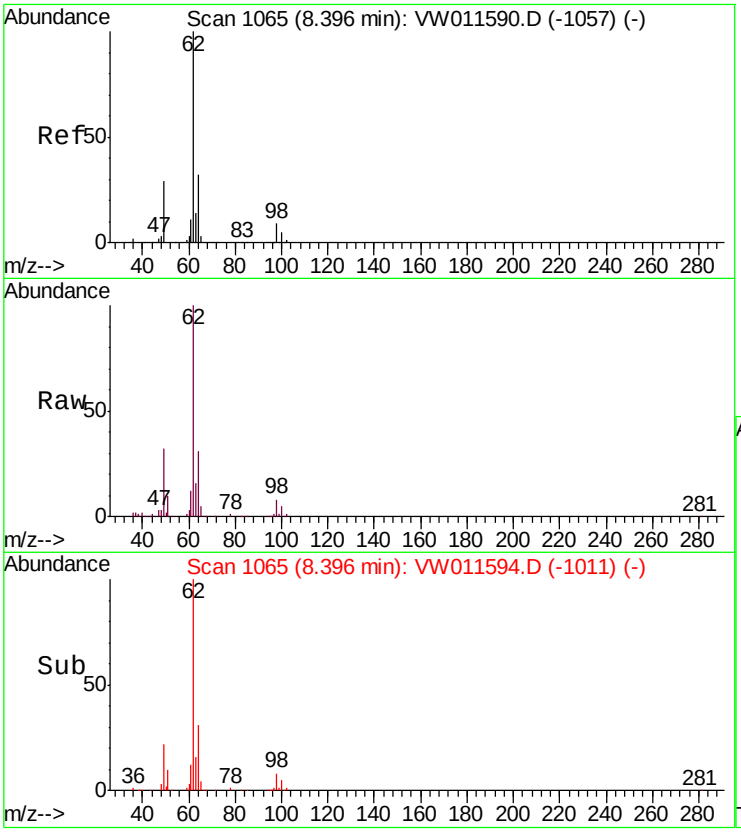


#23
Bromochloromethane
Concen: 14.127 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion:128 Resp: 32132

Ion	Ratio	Lower	Upper
128	100		
49	199.6	153.6	285.3
130	126.7	89.5	166.3
51	62.0	53.0	79.6



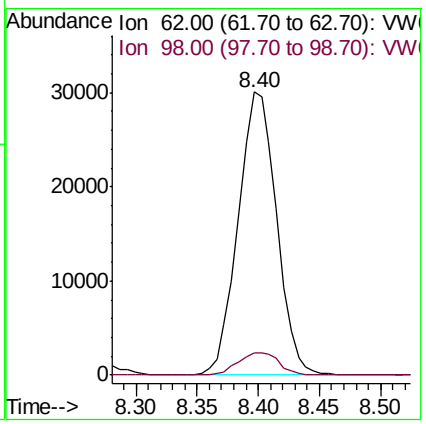


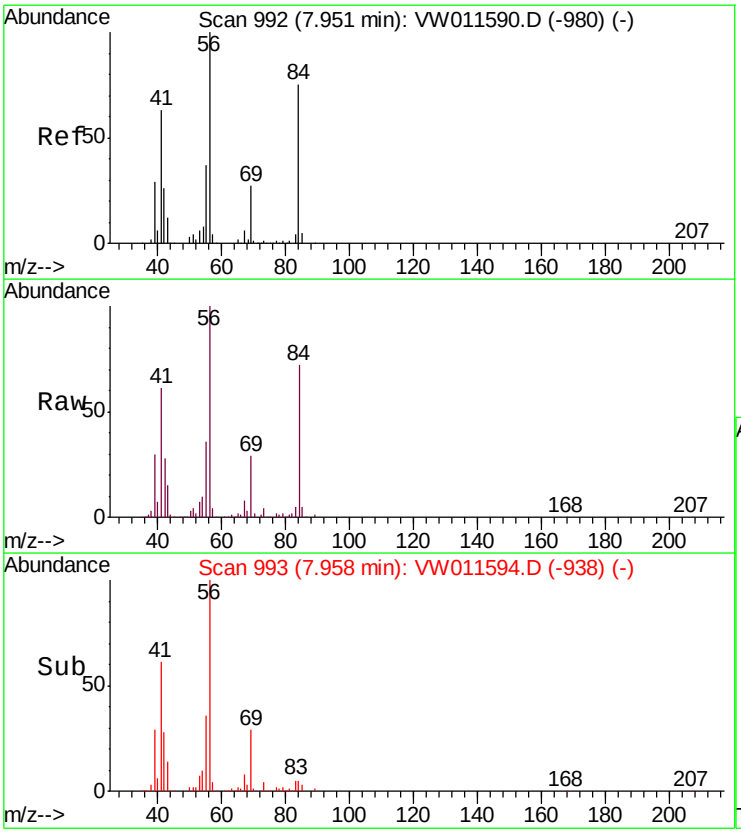
#27
1,2-Dichloroethane
Concen: 9.443 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion: 62 Resp: 65769

Ion	Ratio	Lower	Upper
62	100		
98	8.1	7.2	10.8

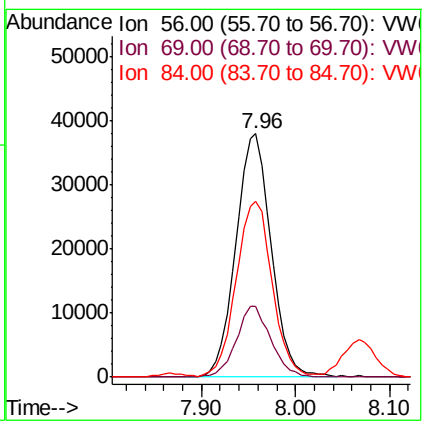


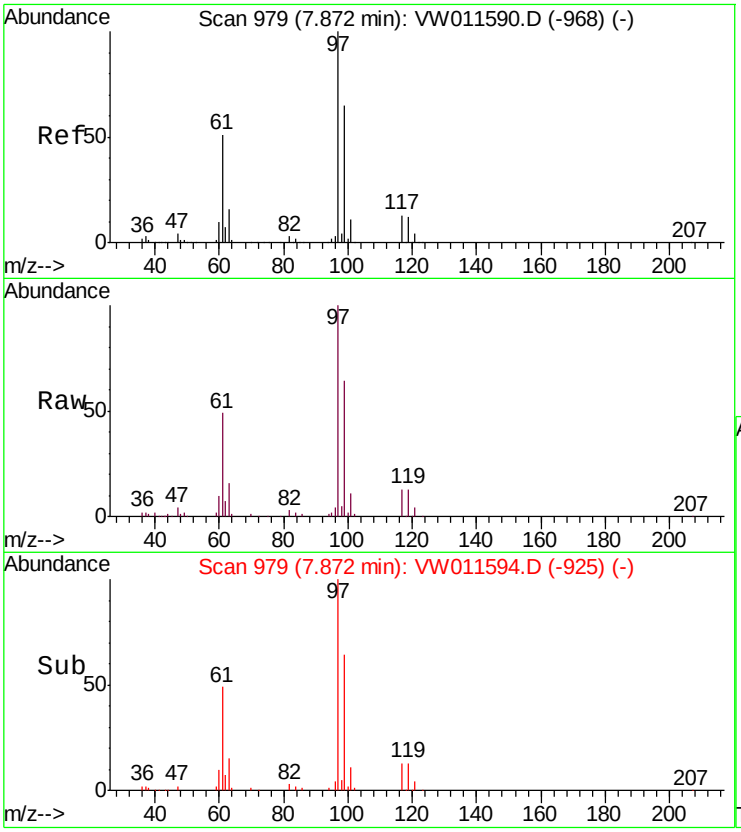


#30
Cyclohexane
Concen: 9.418 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion: 56 Resp: 99008

Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.4	33.6
84	73.7	60.6	91.0



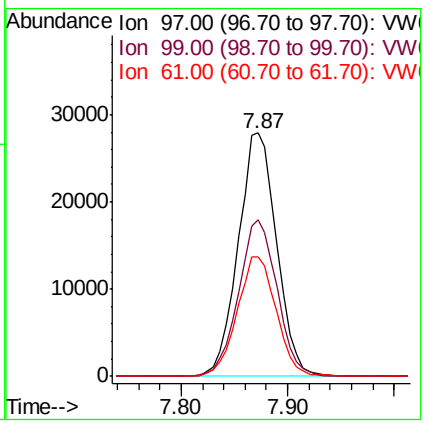


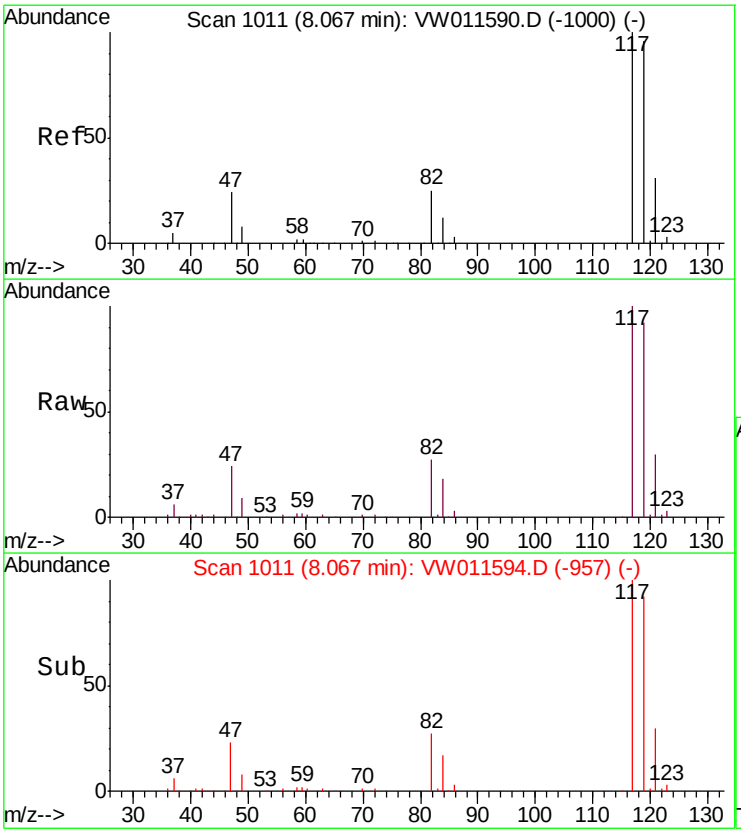
#31
1,1,1-Trichloroethane
Concen: 9.607 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion: 97 Resp: 70795

Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.1	78.1
61	49.8	40.3	60.5

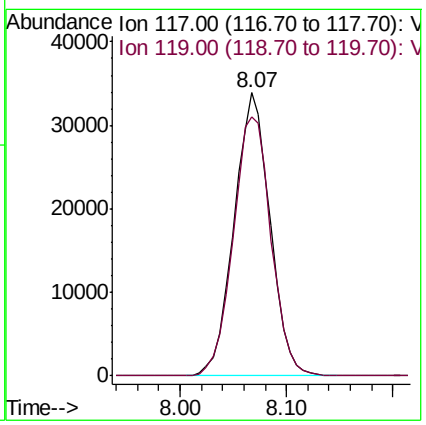


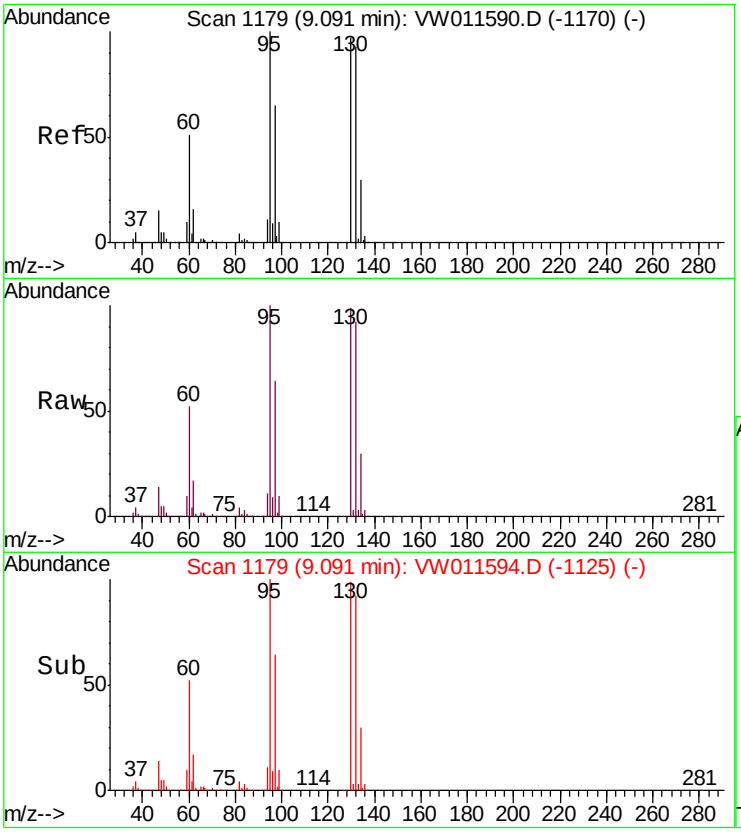


#32
Carbon tetrachloride
Concen: 11.578 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion:117 Resp: 80267

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.2	114.4



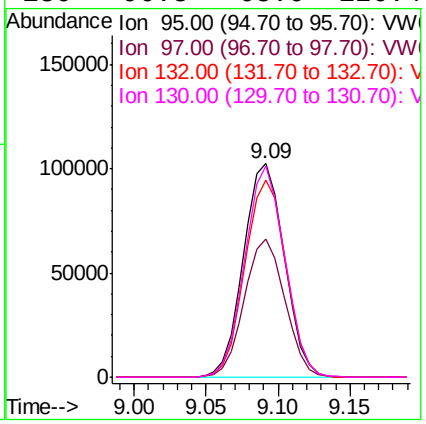


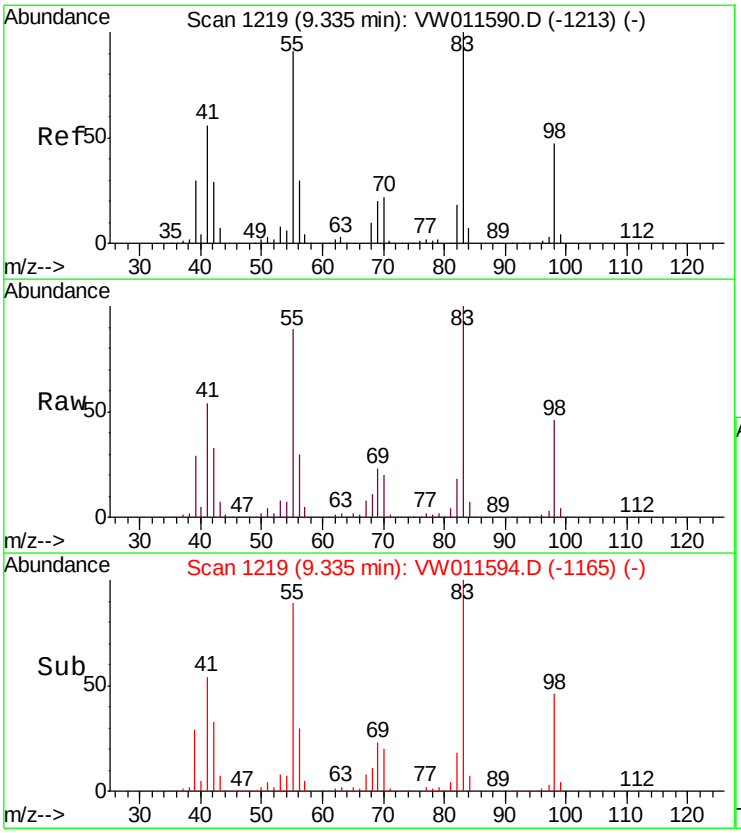
#35
Trichloroethene
Concen: 37.536 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion: 95 Resp: 201960

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.8	83.2
132	92.4	65.0	120.6
130	96.8	68.0	126.4

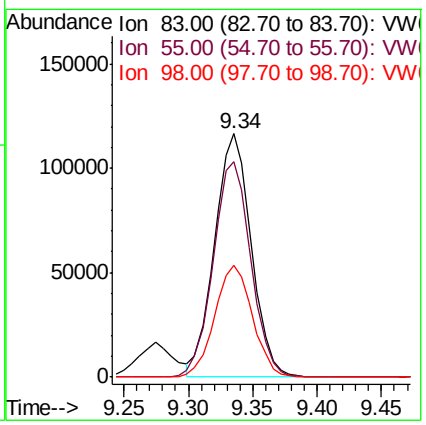


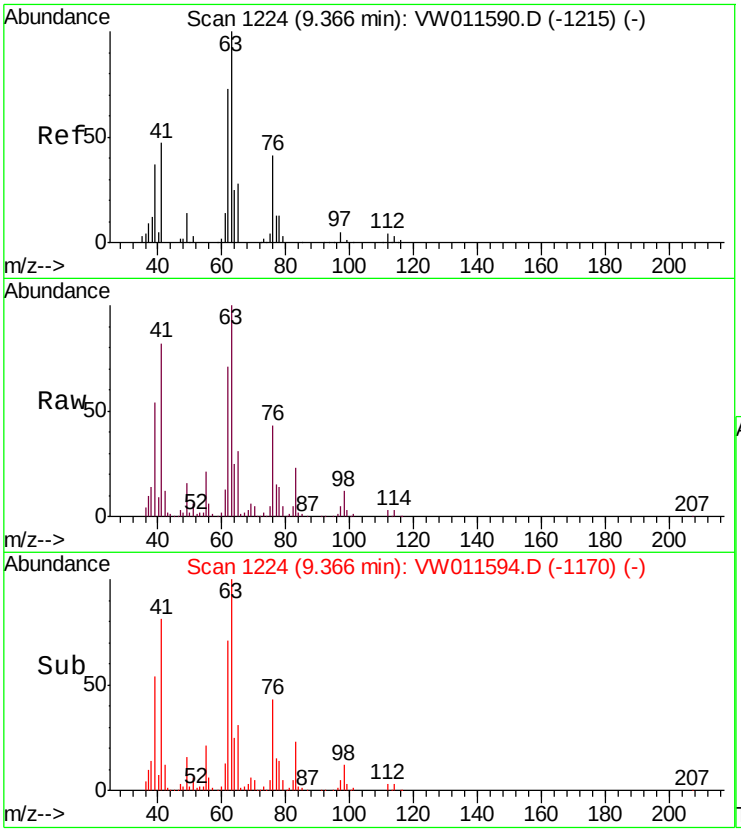


#36
Methylcyclohexane
Concen: 23.730 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion: 83 Resp: 231629

Ion	Ratio	Lower	Upper
83	100		
55	91.3	72.6	108.8
98	47.1	37.8	56.6



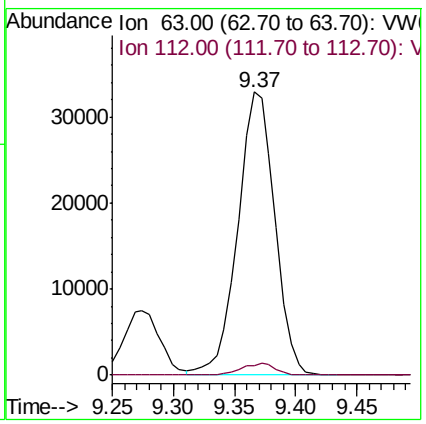


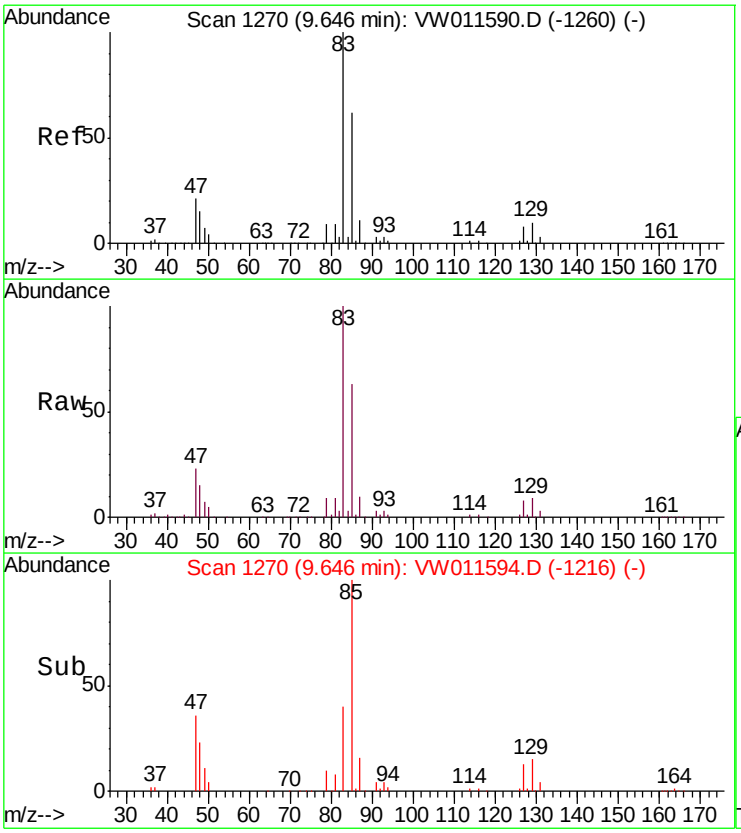
#40
1,2-Dichloropropane
Concen: 12.151 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion: 63 Resp: 68744

Ion	Ratio	Lower	Upper
63	100		
112	3.7	3.1	4.7

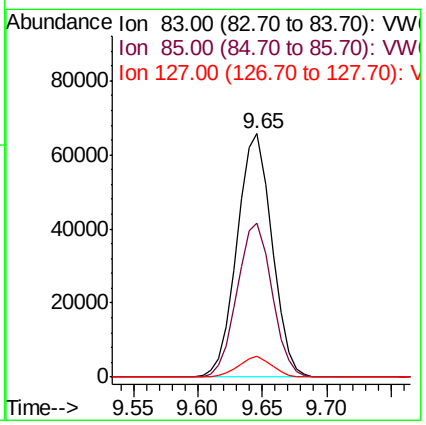


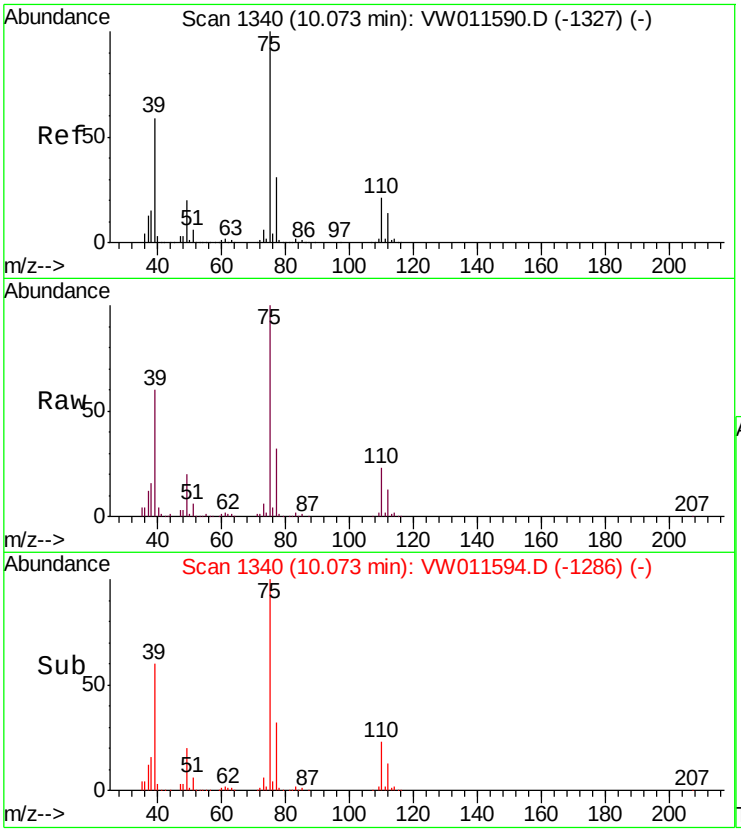


#41
Bromodichloromethane
Concen: 18.502 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion: 83 Resp: 123515

Ion	Ratio	Lower	Upper
83	100		
85	63.4	44.0	81.6
127	8.4	6.5	9.7



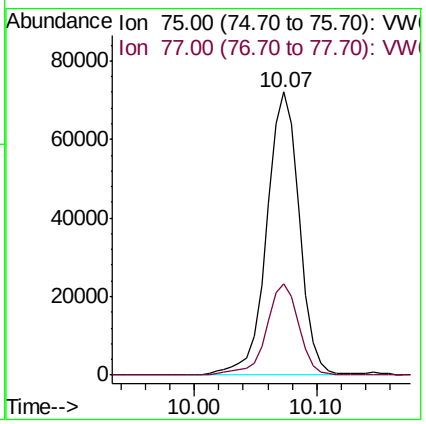


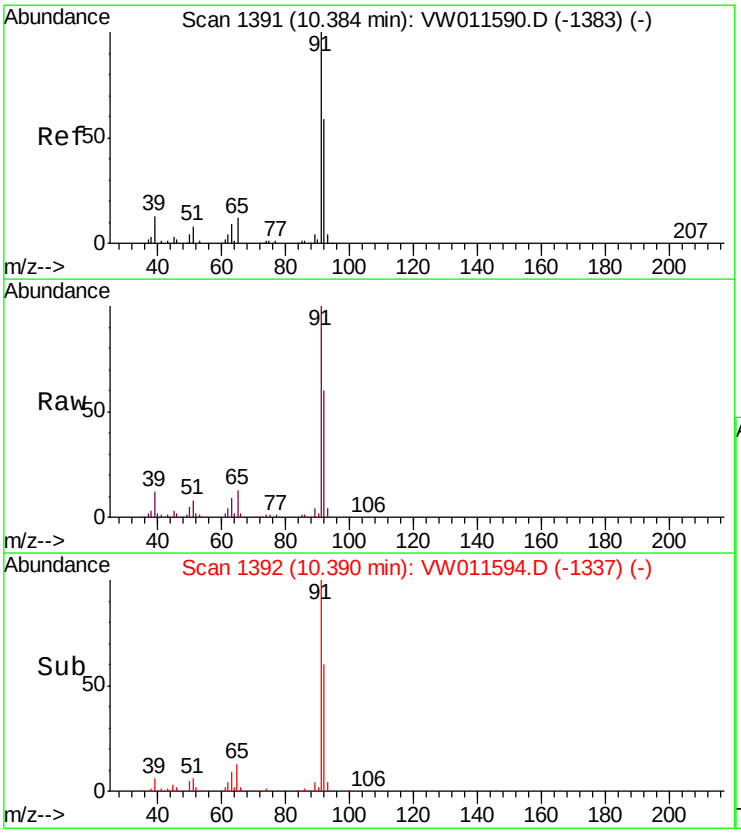
#42
cis-1,3-Dichloropropene
Concen: 15.740 ug/L
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion: 75 Resp: 133192

Ion	Ratio	Lower	Upper
75	100		
77	32.4	22.3	41.3

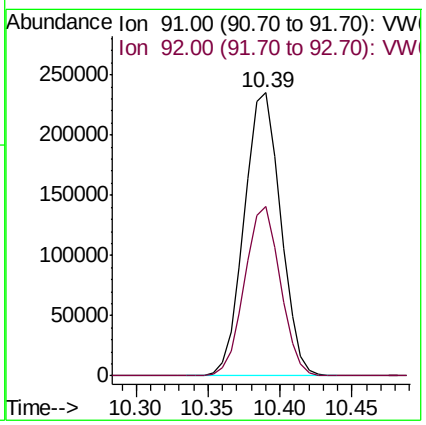


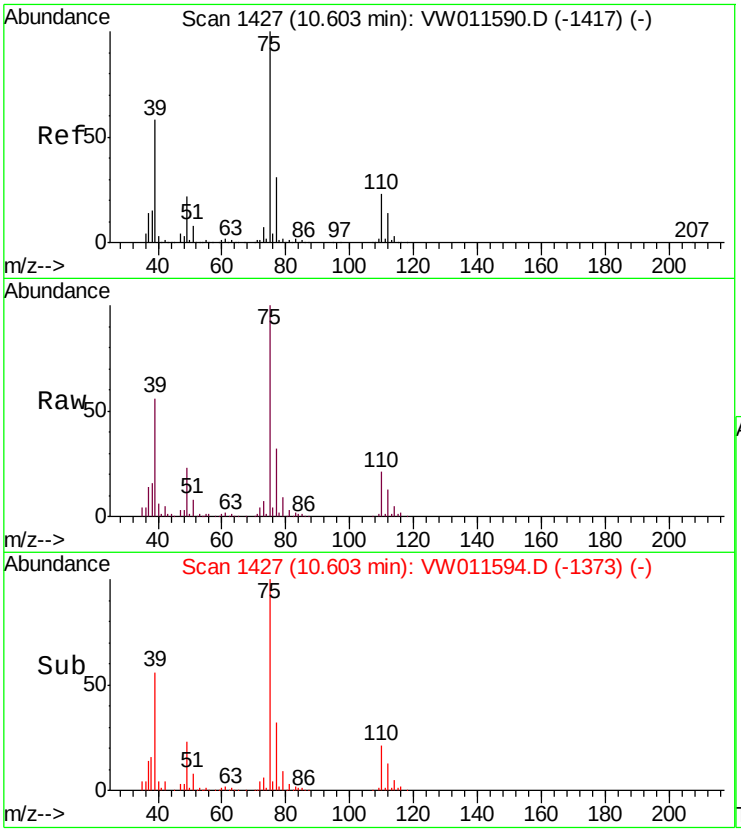


#44
Toluene
Concen: 19.158 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion: 91 Resp: 412513

Ion	Ratio	Lower	Upper
91	100		
92	59.7	40.9	76.0



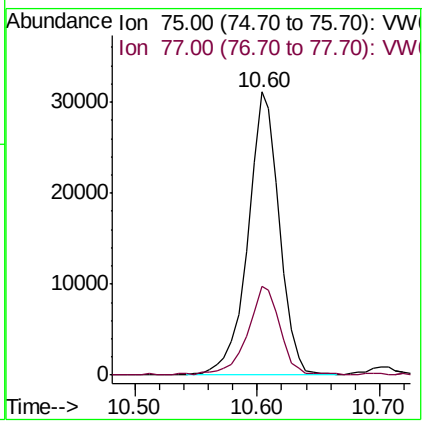


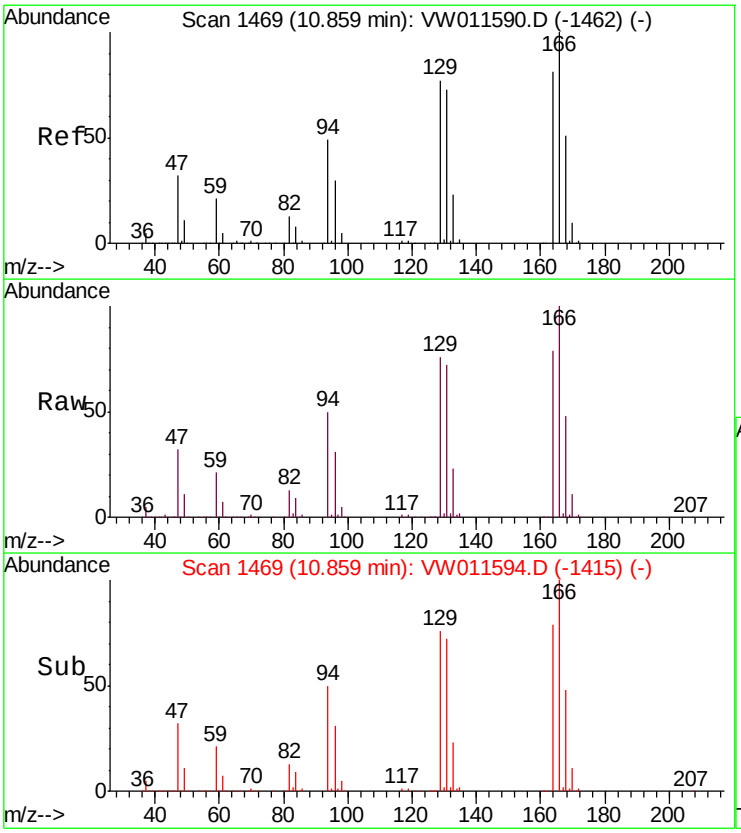
#45
trans-1,3-Dichloropropene
Concen: 7.903 ug/L
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion: 75 Resp: 55638

Ion	Ratio	Lower	Upper
75	100		
77	31.5	21.6	40.0

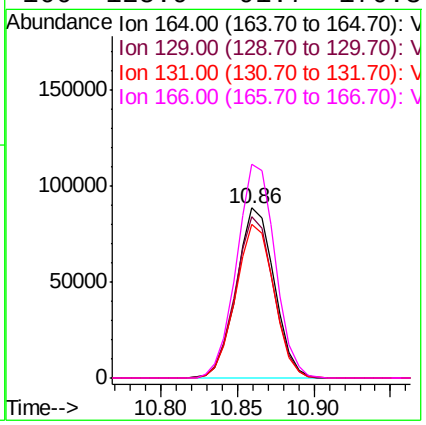


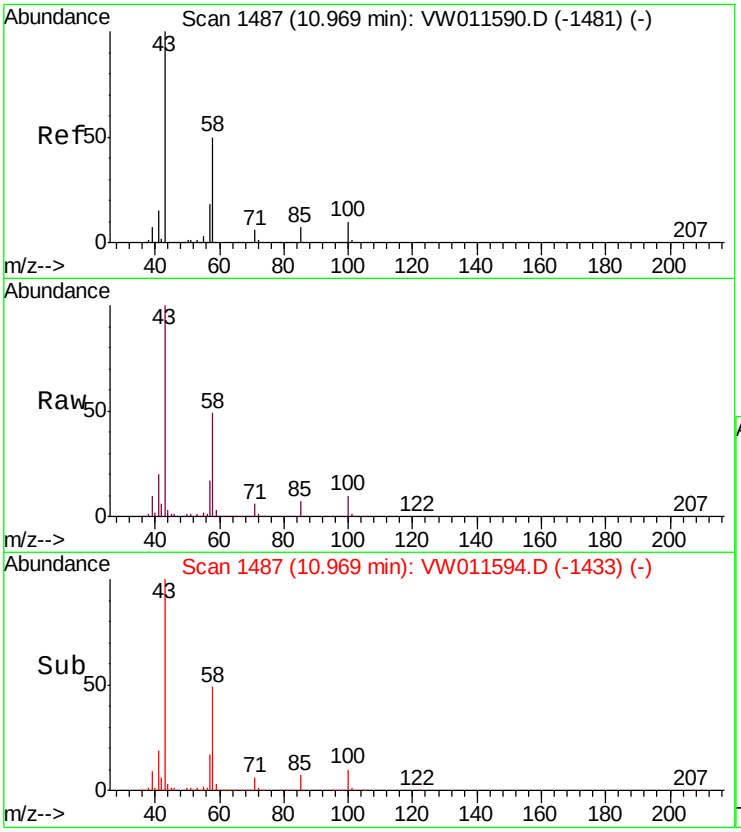


#47
Tetrachloroethene
Concen: 37.090 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion:164 Resp: 152429

Ion	Ratio	Lower	Upper
164	100		
129	95.3	64.0	119.0
131	90.5	58.6	108.8
166	125.9	91.7	170.3



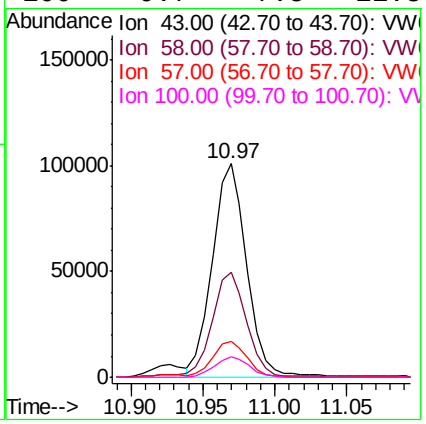


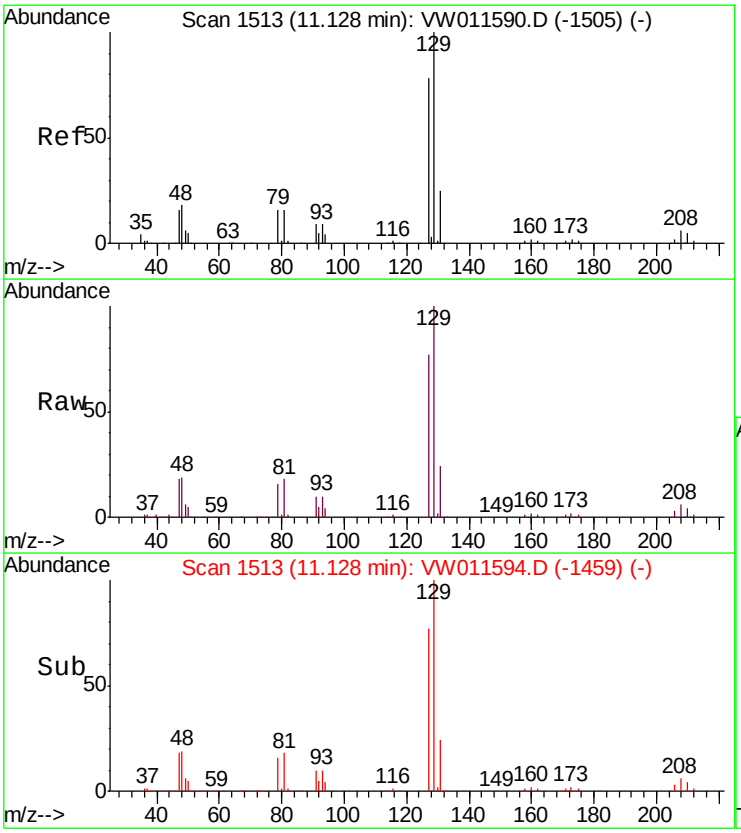
#49
2-Hexanone
Concen: 42.743 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion: 43 Resp: 168795

Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.6	57.8
57	17.0	13.0	19.6
100	9.7	7.5	11.3

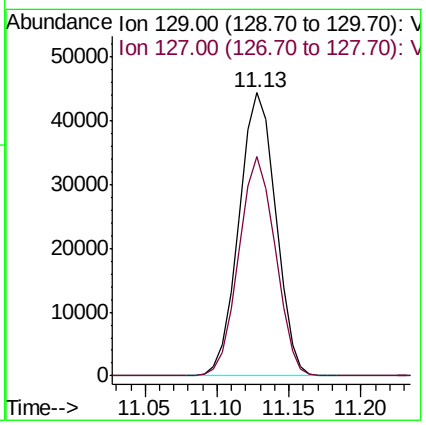


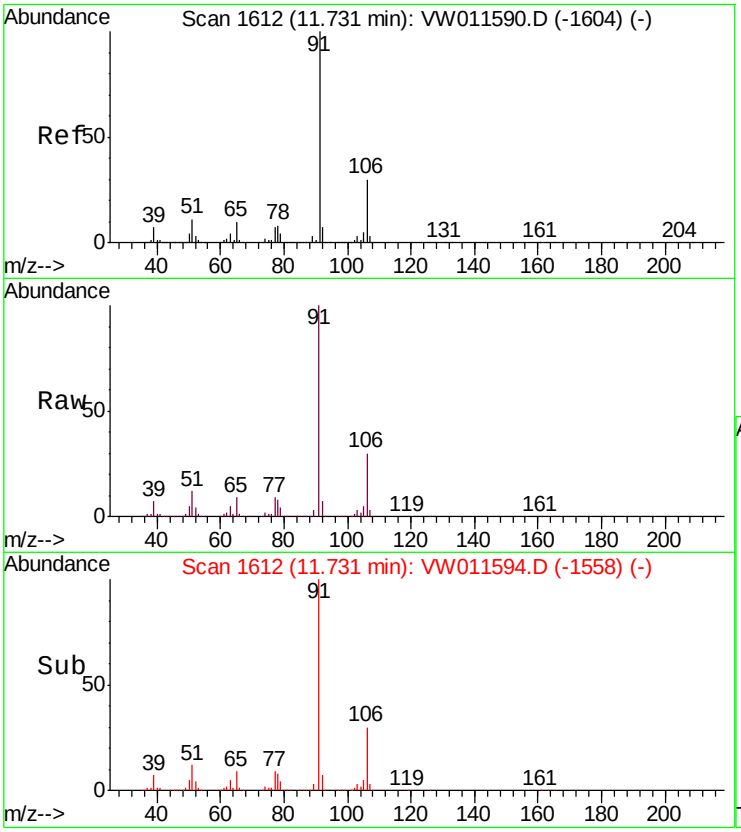


#50
Dibromochloromethane
Concen: 18.543 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion:129 Resp: 78834

Ion	Ratio	Lower	Upper
129	100		
127	77.3	52.6	97.6



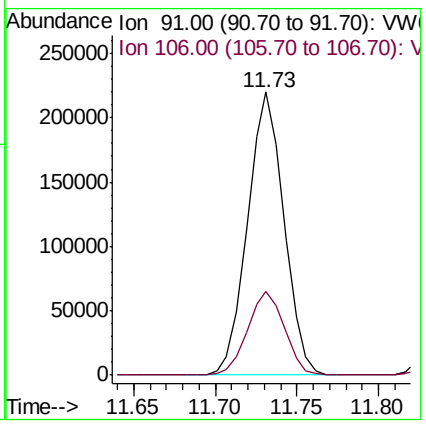


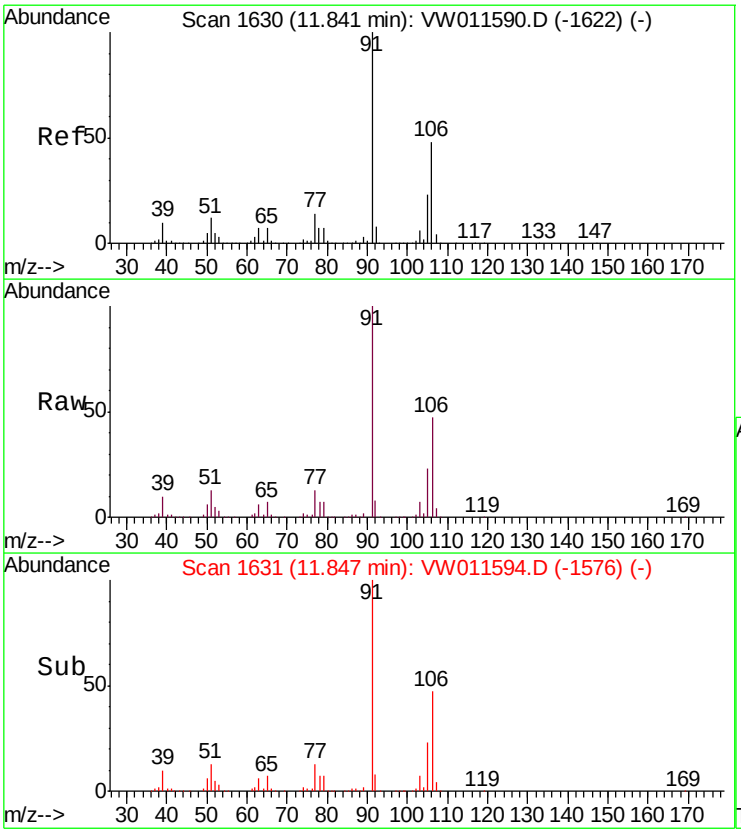
#53
Ethylbenzene
Concen: 14.225 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion: 91 Resp: 341590

Ion	Ratio	Lower	Upper
91	100		
106	29.8	20.6	38.4

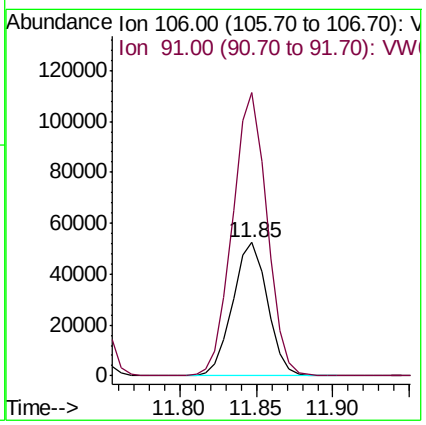


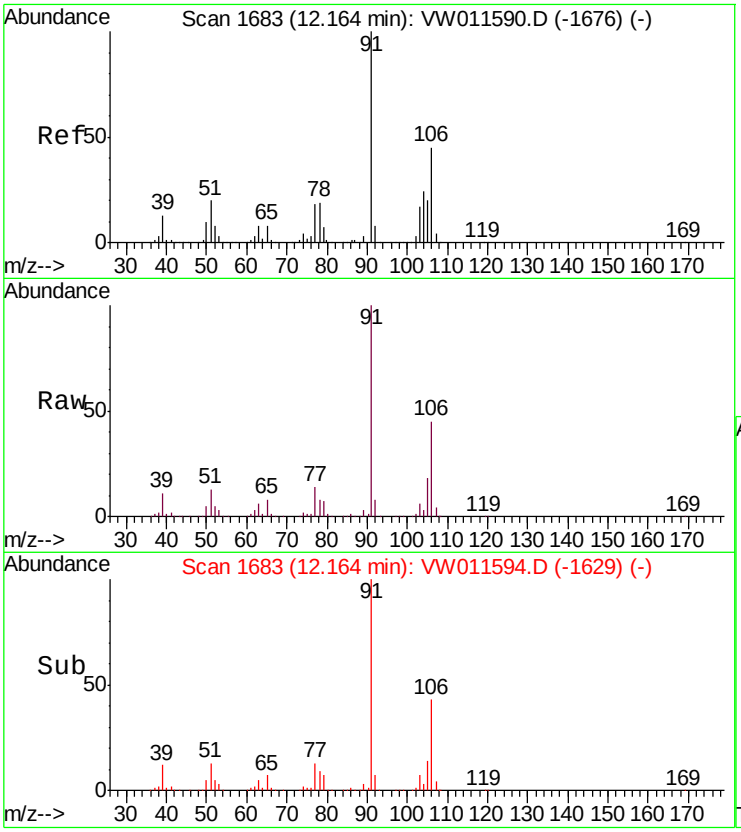


#54
m,p-Xylene
Concen: 9.487 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion:106 Resp: 82834

Ion	Ratio	Lower	Upper
106	100		
91	212.8	149.6	277.8



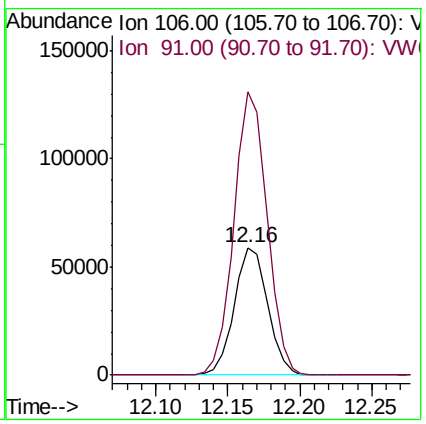


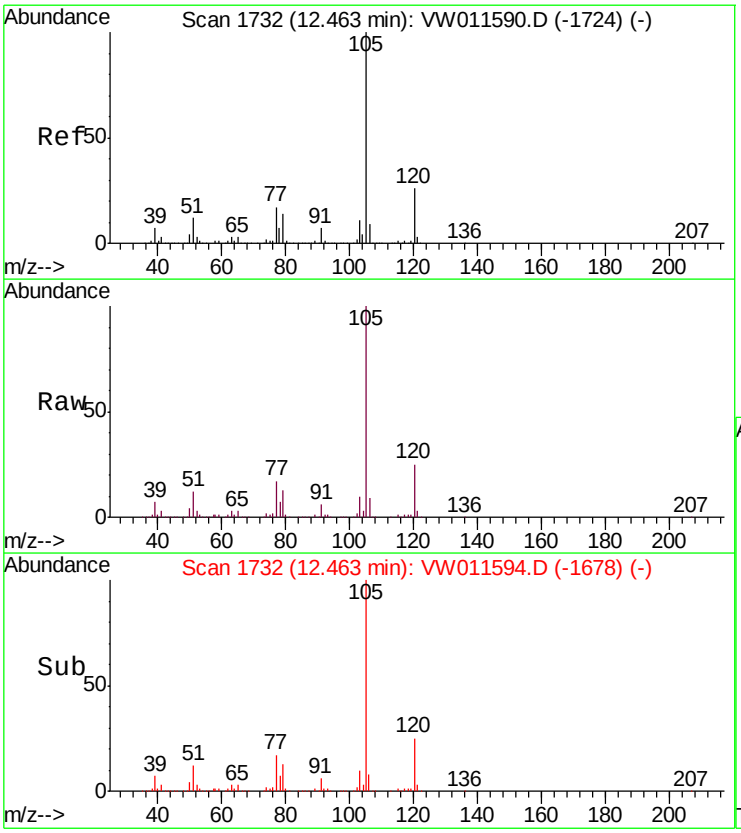
#55
o-xylene
Concen: 11.590 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
DB909

Tgt Ion:106 Resp: 95239

Ion	Ratio	Lower	Upper
106	100		
91	221.4	158.3	293.9

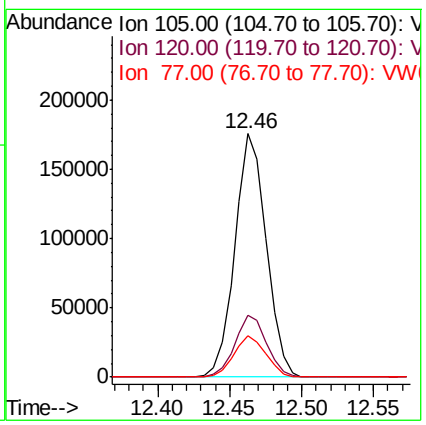


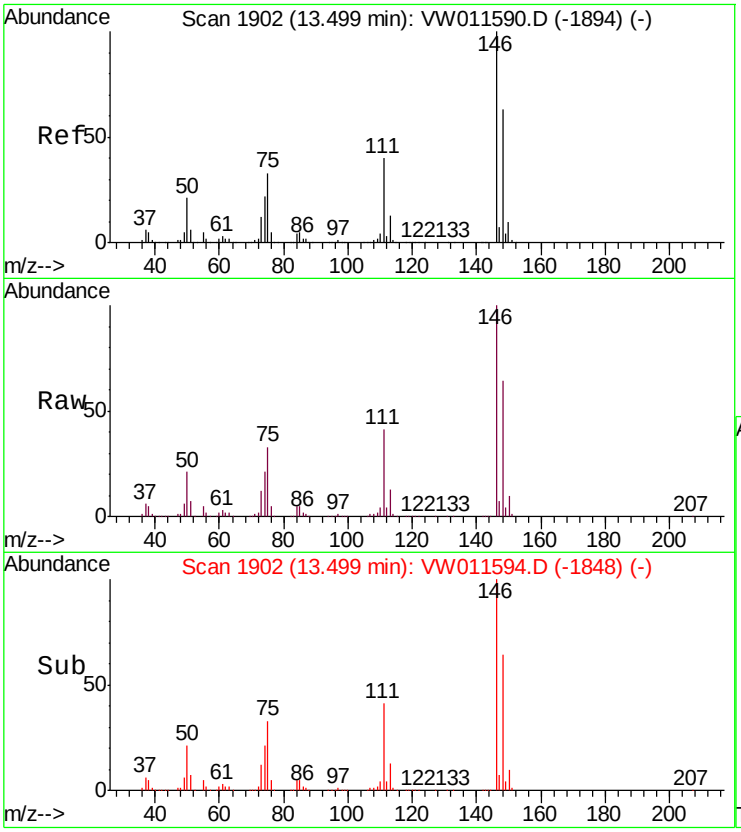


#57
Isopropylbenzene
Concen: 11.761 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion:105 Resp: 265883

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	30.8
77	17.2	13.4	20.2



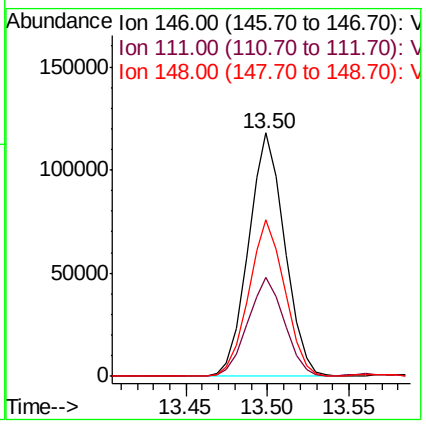


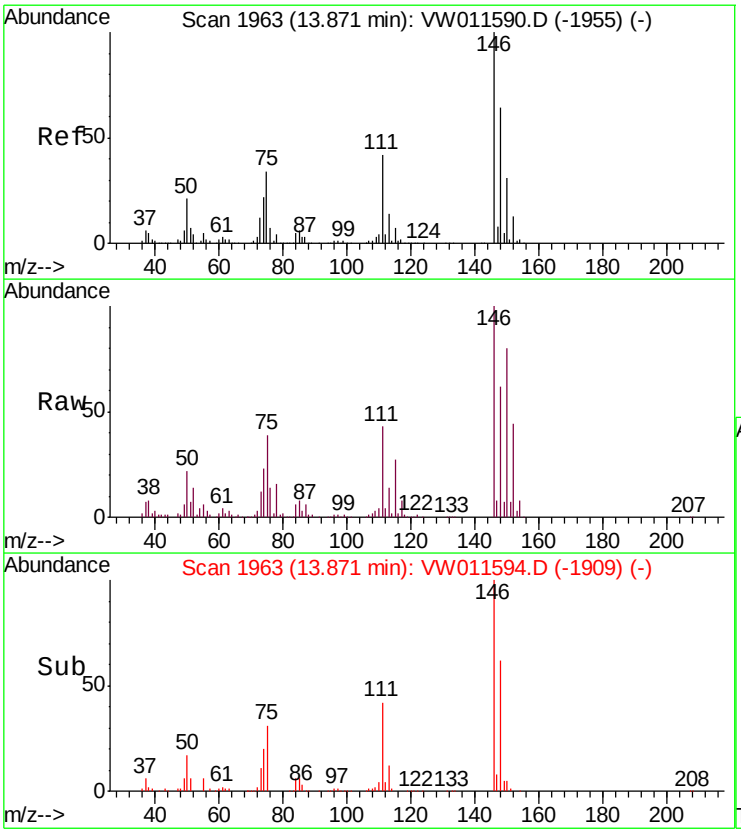
#63
1,3-Dichlorobenzene
Concen: 18.418 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion:146 Resp: 181724

Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.6	53.2
148	64.3	44.4	82.5

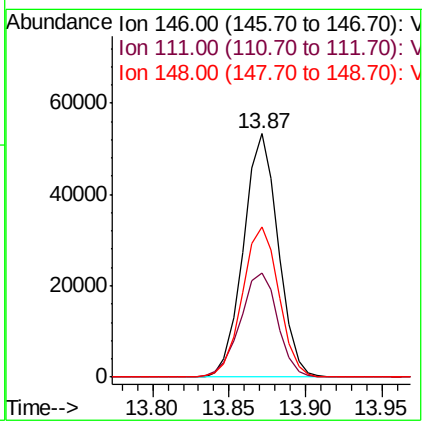


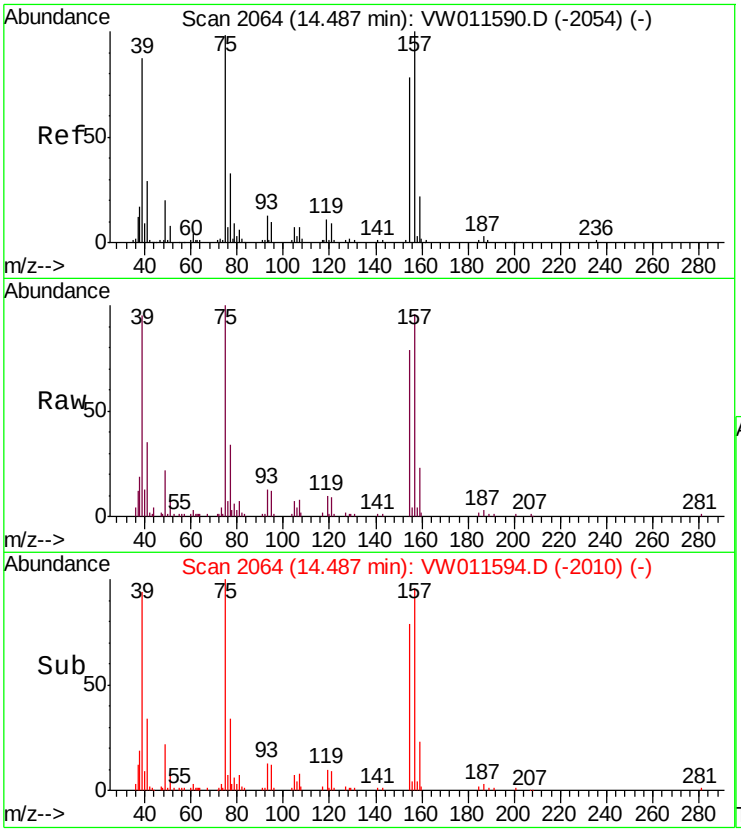


#65
1,2-Dichlorobenzene
Concen: 9.441 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion:146 Resp: 84355

Ion	Ratio	Lower	Upper
146	100		
111	42.9	34.6	51.8
148	61.9	50.9	76.3



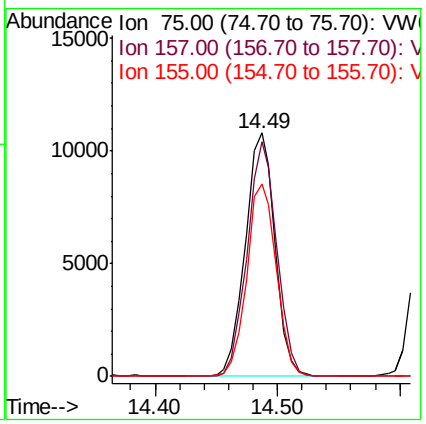


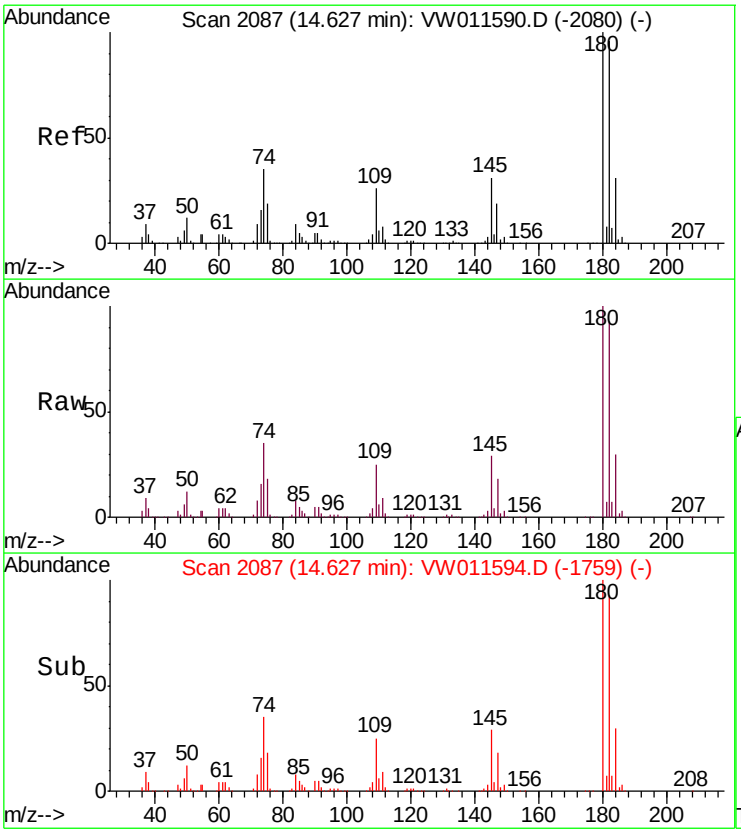
#66
1,2-Dibromo-3-chloropropane
Concen: 19.702 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Instrument : MSVOA_W
ClientSampleId : DB909

Tgt Ion: 75 Resp: 18219

Ion	Ratio	Lower	Upper
75	100		
157	96.3	79.3	118.9
155	79.3	59.9	89.9





#67
1,3,5-Trichlorobenzene
Concen: 23.469 ug/L
RT: 14.63 min Scan# 2087
Delta R.T. 0.00 min
Lab File: VW011594.D
Acq: 01 Aug 2019 12:16

Tgt Ion:180 Resp: 170439

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.9	113.9
184	30.2	24.2	36.2
145	29.2	23.0	34.6