Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070219\
Data File : VW011107.D
Acq On : 02 Jul 2019 14:03
Operator : SY/VA
Sample : K3599-24
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAM31

Quant Time: Jul 03 05:22:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 12:27:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	390526	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	351914	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	172493	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	143919	24.13	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.52%			
7) Chloroethane-d5	2.88	69	99866	23.87	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 95.48%			
10) 1,1-Dichloroethene-d2	4.02	63	294654	23.33	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 93.32%			
20) 2-Butanone-d5	7.07	46	125836	53.57	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.14%			
24) Chloroform-d	7.64	84	253917	23.72	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.88%			
26) 1,2-Dichloroethane-d4	8.30	65	167244	25.37	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.48%			
29) Benzene-d6	8.27	84	541890	24.99	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 99.96%			
33) 1,2-Dichloropropane-d6	9.27	67	176360	24.98	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 99.92%			
37) Toluene-d8	10.32	98	486204	25.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 100.68%			
38) trans-1,3-Dichloropropene-	10.57	79	77321	25.76	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 103.04%			
39) 2-Hexanone-d5	10.92	63	87156	53.83	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.66%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	149966	25.68	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 102.72%			
61) 1,2-Dichlorobenzene-d4	13.85	152	163753	24.73	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.92%			
Target Compounds						Qvalue
3) Chloromethane	2.21	50	96654	18.535	ug/L	99
6) Bromomethane	2.76	94	27176	8.535	ug/L	97
9) Trichlorofluoromethane	3.25	101	28804	12.361	ug/L	99
12) 1,1-Dichloroethene	4.04	96	105036	20.467	ug/L	92
13) Acetone	4.12	43	161011	70.176	ug/L	99
15) Methyl Acetate	4.66	43	148007	39.644	ug/L	99
16) Methylene chloride	4.92	84	60626	10.564	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	247731	31.126	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	52733	10.168	ug/L	96
22) cis-1,2-Dichloroethene	7.16	96	136968	24.399	ug/L	96
23) Bromochloromethane	7.51	128	34593	14.686	ug/L	94
27) 1,2-Dichloroethane	8.40	62	76311	10.011	ug/L	99
30) Cyclohexane	7.95	56	104989	9.812	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	71360	9.770	ug/L	99
32) Carbon tetrachloride	8.06	117	80871	11.806	ug/L	100
35) Trichloroethene	9.09	95	215438	38.816	ug/L	99
36) Methylcyclohexane	9.33	83	250468	25.077	ug/L	99

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Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAM31

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 12:27:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,2-Dichloropropane	9.37	63	76681	12.723	ug/L	99
41) Bromodichloromethane	9.64	83	135318	19.475	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	147826	16.624	ug/L	98
44) Toluene	10.38	91	453321	19.913	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	61845	8.405	ug/L	99
47) Tetrachloroethene	10.86	164	162459	38.730	ug/L	99
49) 2-Hexanone	10.97	43	169407	41.657	ug/L	99
50) Dibromochloromethane	11.13	129	84967	19.118	ug/L	96
53) Ethylbenzene	11.73	91	377220	14.608	ug/L	99
54) m,p-Xylene	11.85	106	91662	9.777	ug/L	100
55) o-xylene	12.16	106	107857	12.093	ug/L	97
57) Isopropylbenzene	12.46	105	296560	12.181	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	206383	19.447	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	99277	10.050	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	18021	18.581	ug/L	94

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

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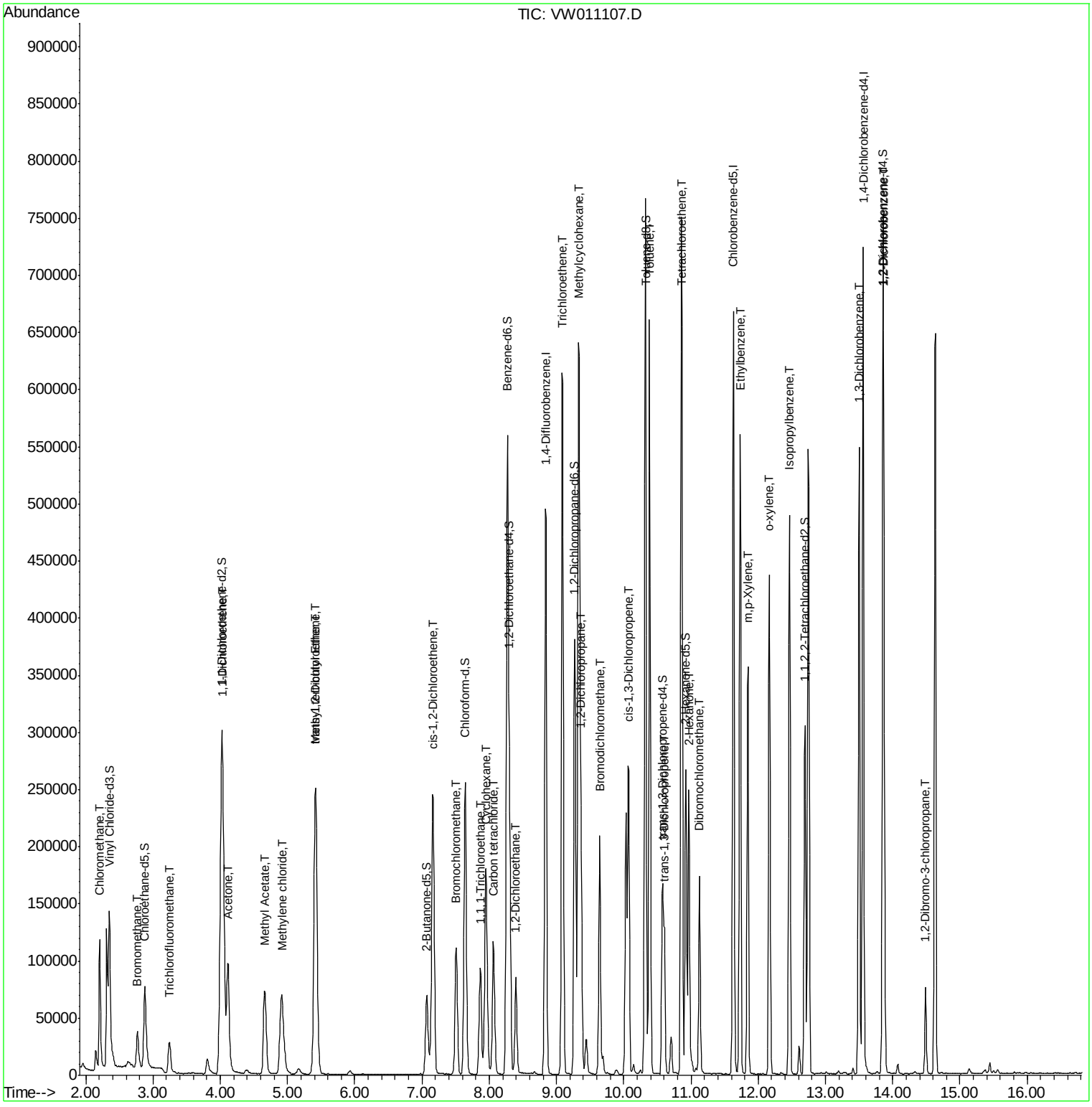
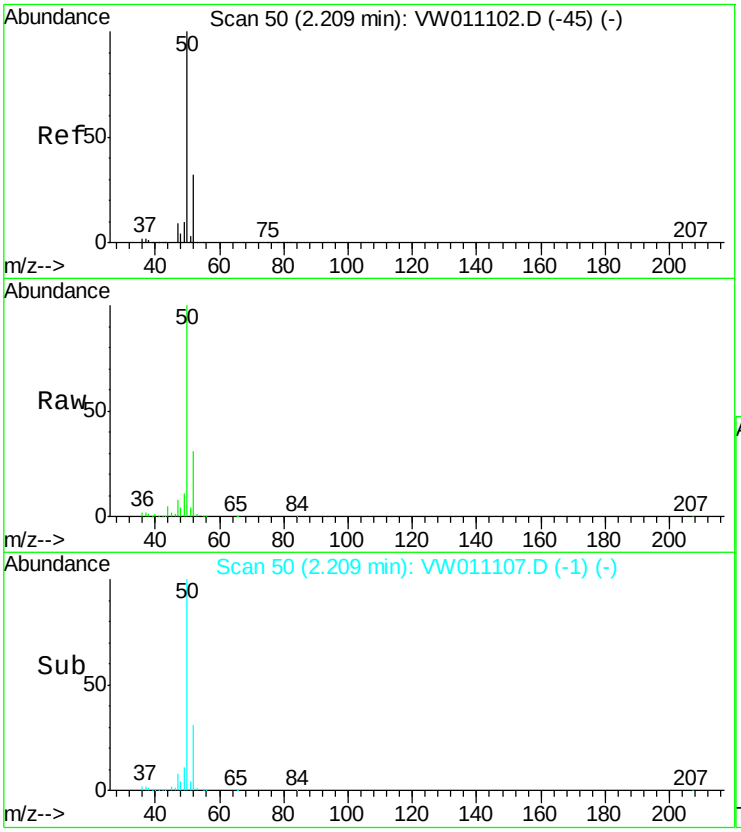


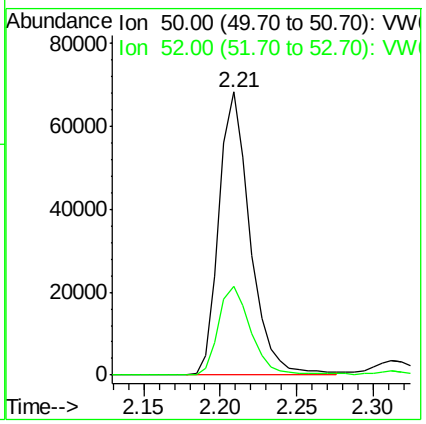


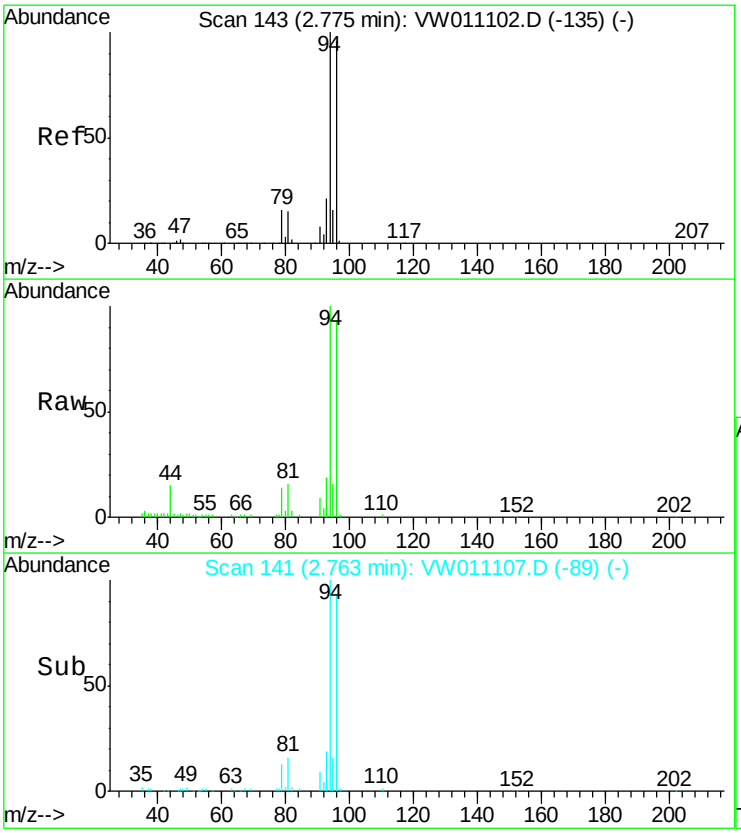
#3
Chloromethane
Concen: 18.535 ug/L
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument :
MSVOA_W
ClientSampleId :
GAM31

Tgt Ion: 50 Resp: 96654

Ion	Ratio	Lower	Upper
50	100		
52	31.4	22.3	41.5

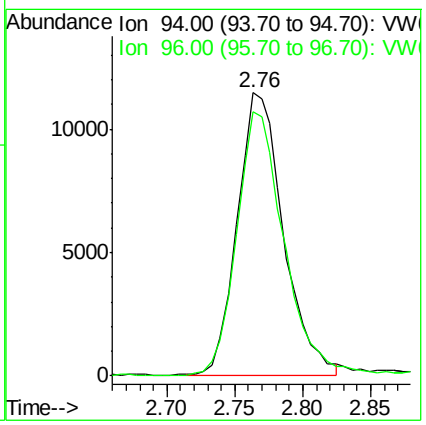


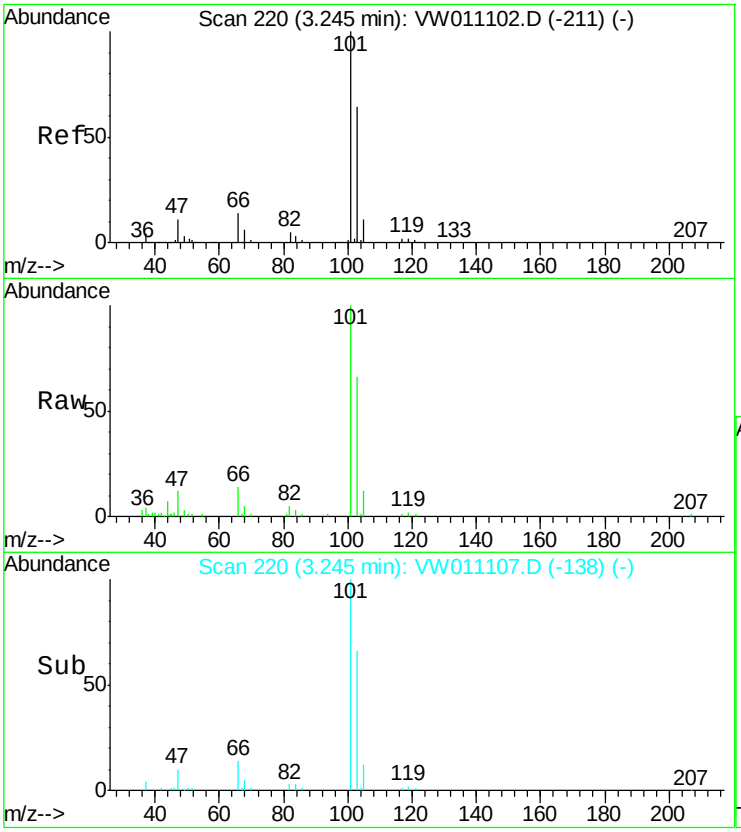


#6
Bromomethane
Concen: 8.535 ug/L
RT: 2.76 min Scan# 141
Delta R.T. -0.01 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 94 Resp: 27176

Ion	Ratio	Lower	Upper
94	100		
96	96.6	9.3	177.3



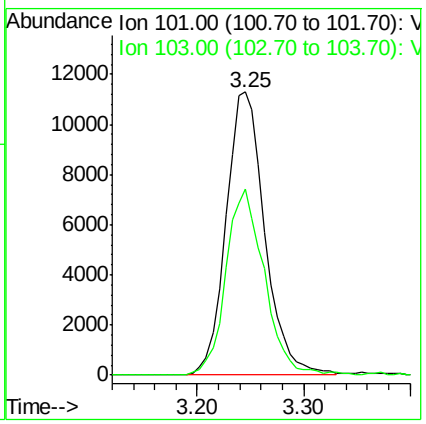


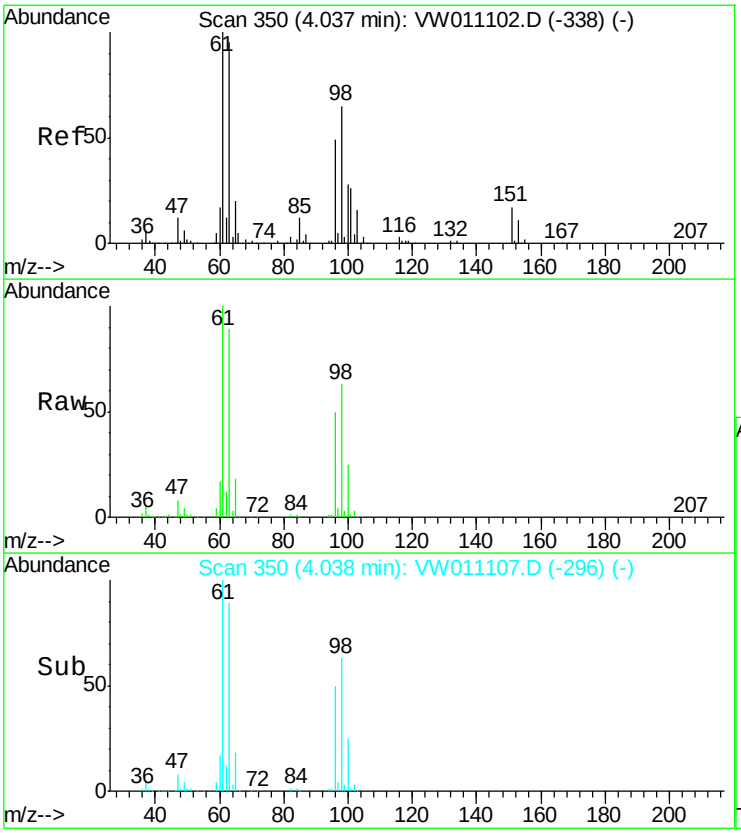
#9
Trichlorofluoromethane
Concen: 12.361 ug/L
RT: 3.25 min Scan# 220
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument : MSVOA_W
ClientSampleId : GAM31

Tgt Ion:101 Resp: 28804

Ion	Ratio	Lower	Upper
101	100		
103	64.7	44.6	82.8

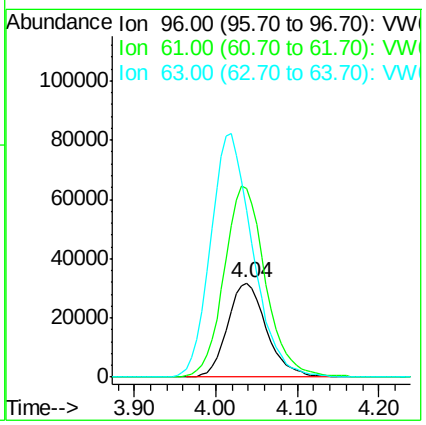


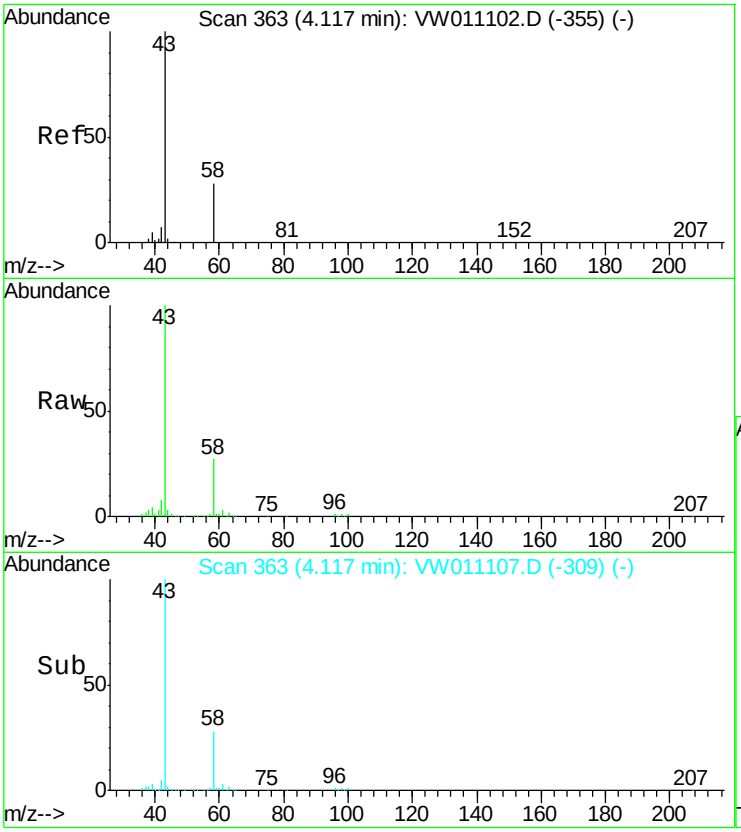


#12
1,1-Dichloroethene
Concen: 20.467 ug/L
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 96 Resp: 105036

Ion	Ratio	Lower	Upper
96	100		
61	199.9	142.2	264.0
63	177.0	138.9	257.9



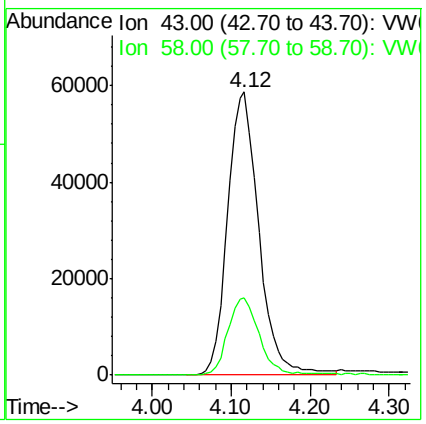


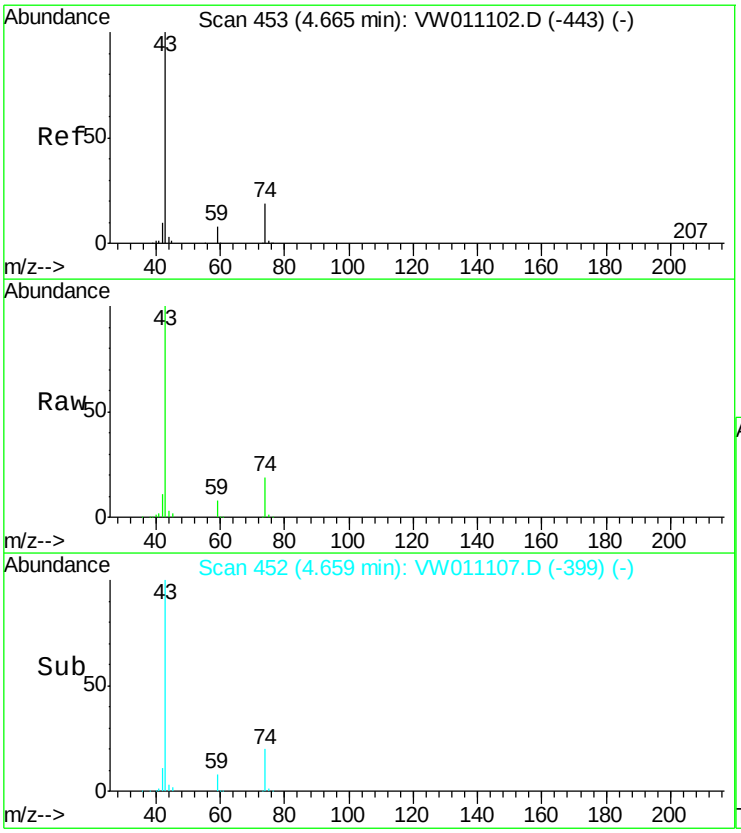
#13
Acetone
Concen: 70.176 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument : MSVOA_W
ClientSampleId : GAM31

Tgt Ion: 43 Resp: 161011

Ion	Ratio	Lower	Upper
43	100		
58	27.1	0.0	55.0

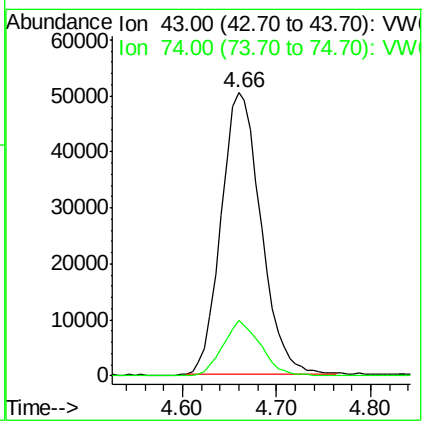


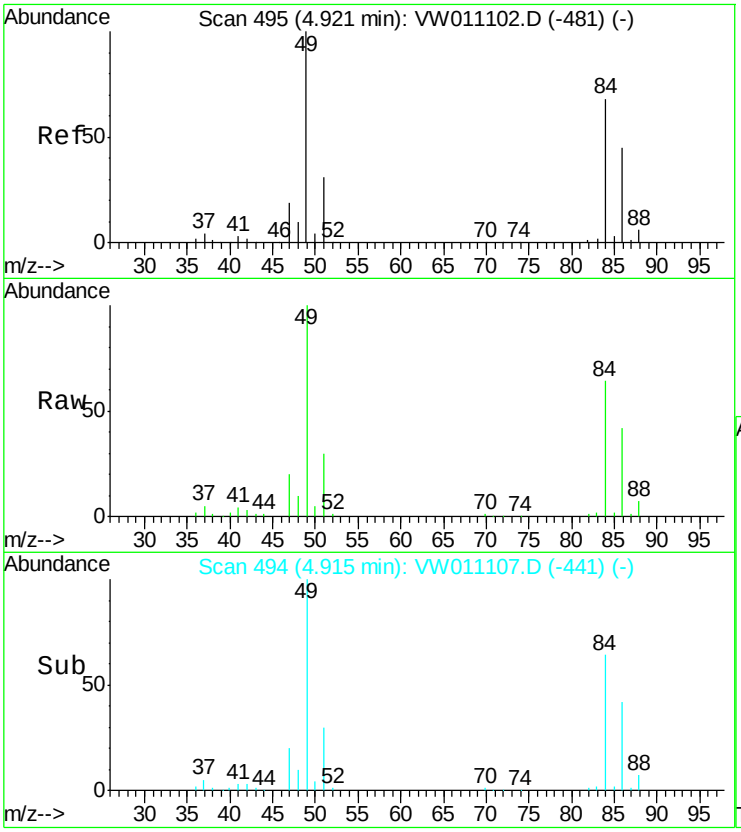


#15
Methyl Acetate
Concen: 39.644 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 43 Resp: 148007

Ion	Ratio	Lower	Upper
43	100		
74	18.6	15.1	22.7



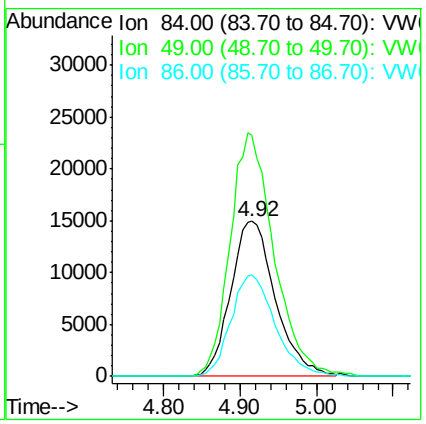


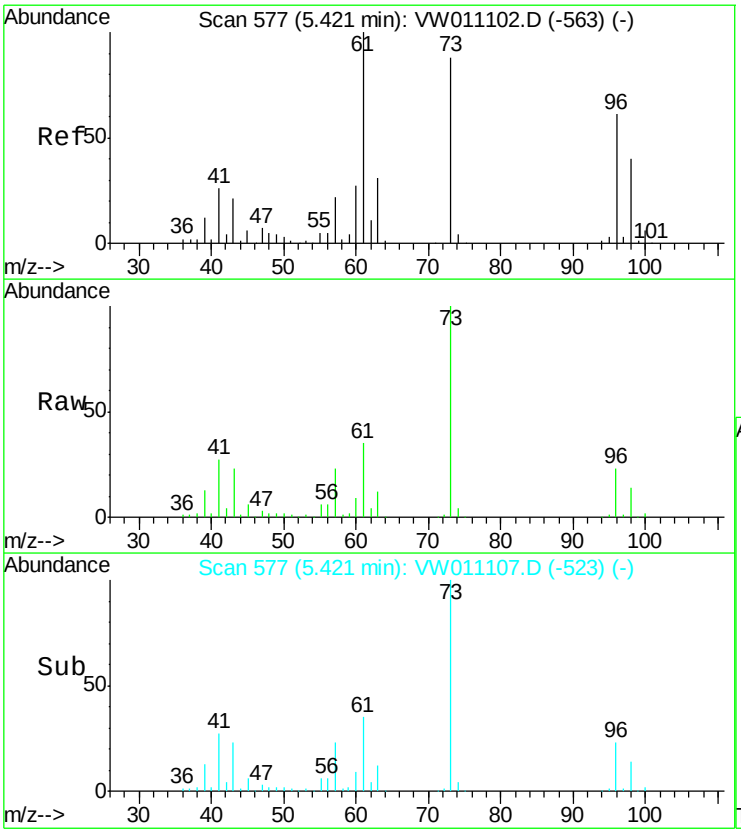
#16
Methylene chloride
Concen: 10.564 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument : MSVOA_W
ClientSampleId : GAM31

Tgt Ion: 84 Resp: 60626

Ion	Ratio	Lower	Upper
84	100		
49	155.1	102.5	190.3
86	65.1	46.4	86.2

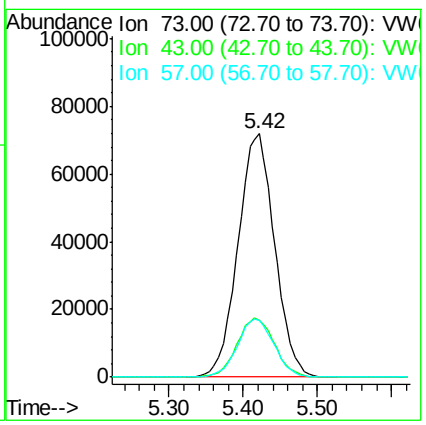


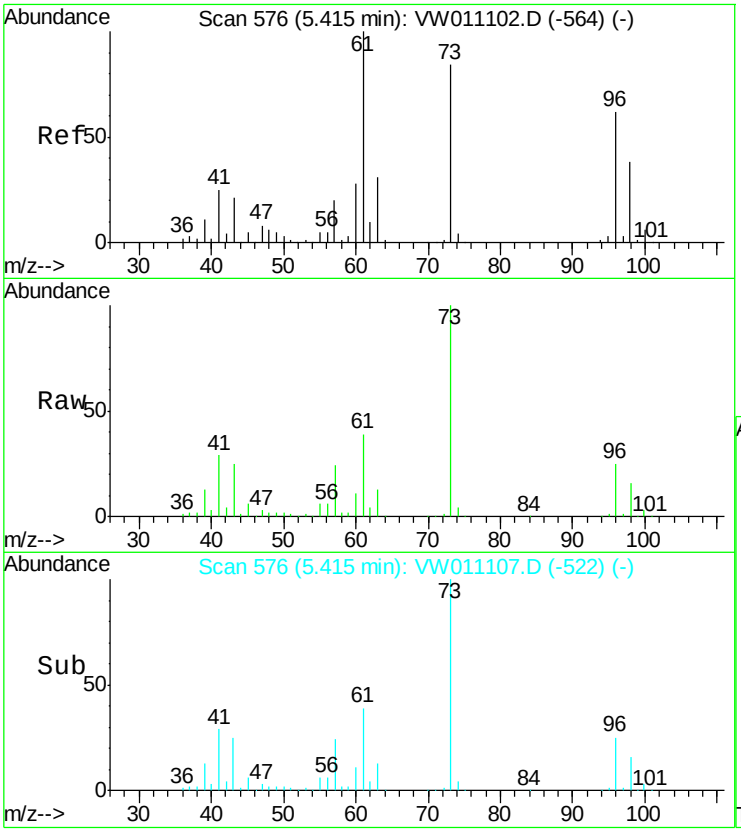


#17
Methyl tert-butyl Ether
Concen: 31.126 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 73 Resp: 247731

Ion	Ratio	Lower	Upper
73	100		
43	24.7	20.2	30.2
57	24.0	19.6	29.4



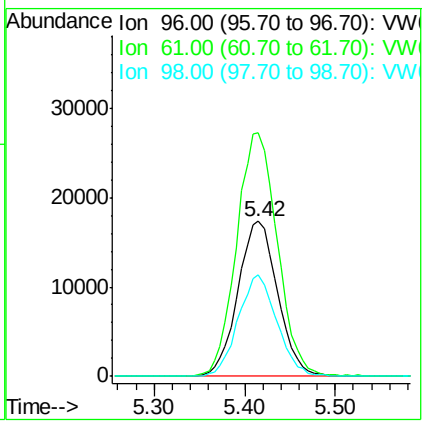


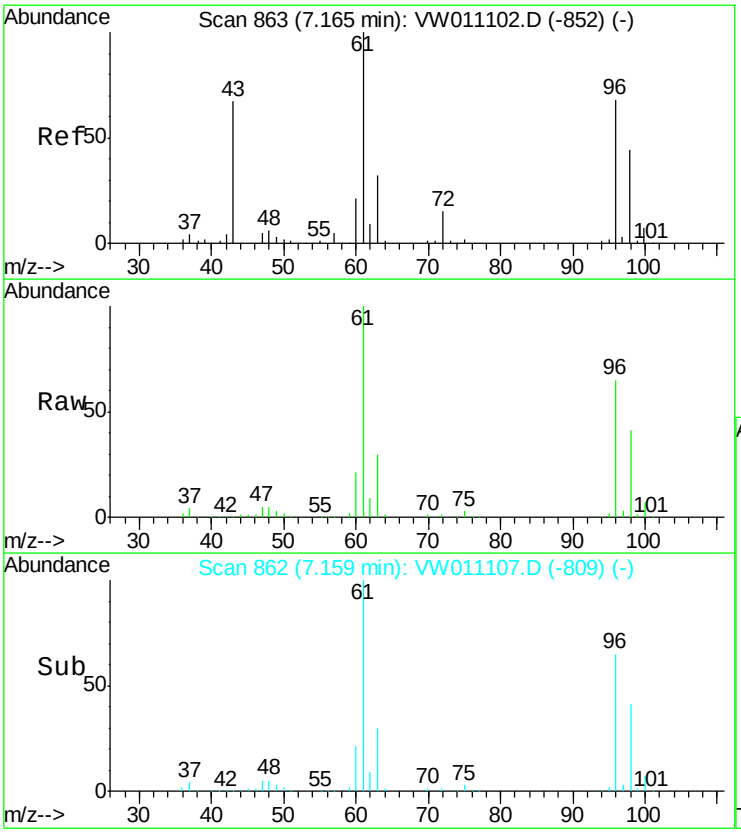
#18
trans-1,2-Dichloroethene
Concen: 10.168 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument :
MSVOA_W
ClientSampleId :
GAM31

Tgt Ion: 96 Resp: 52733

Ion	Ratio	Lower	Upper
96	100		
61	156.9	113.7	211.1
98	65.8	43.3	80.3

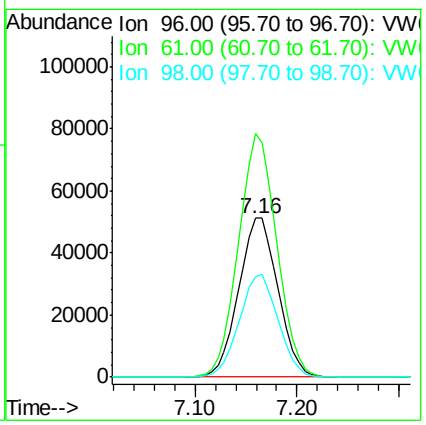


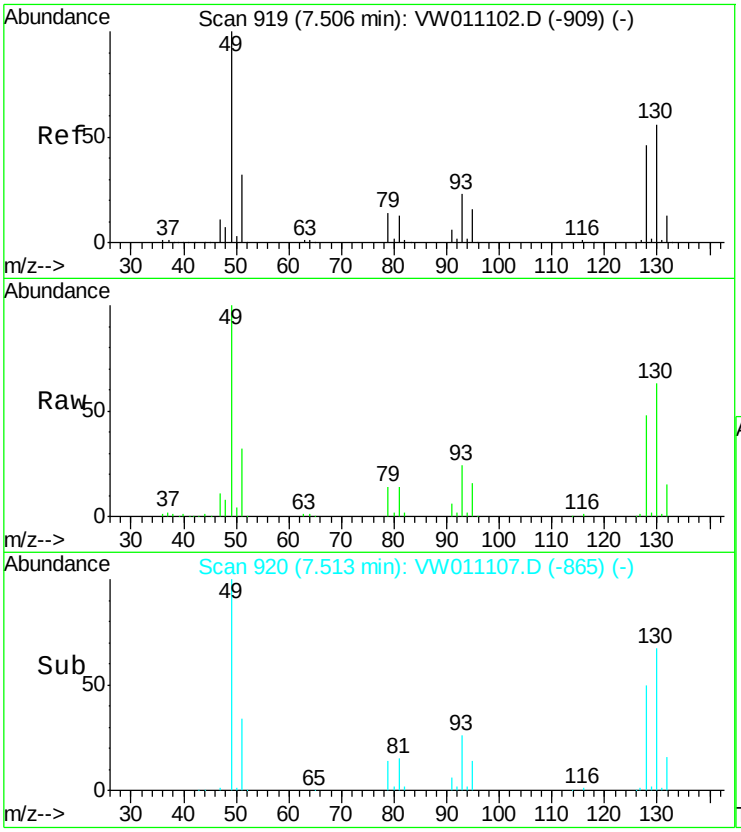


#22
cis-1,2-Dichloroethene
Concen: 24.399 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 96 Resp: 136968

Ion	Ratio	Lower	Upper
96	100		
61	153.3	103.2	191.6
98	63.4	44.8	83.2



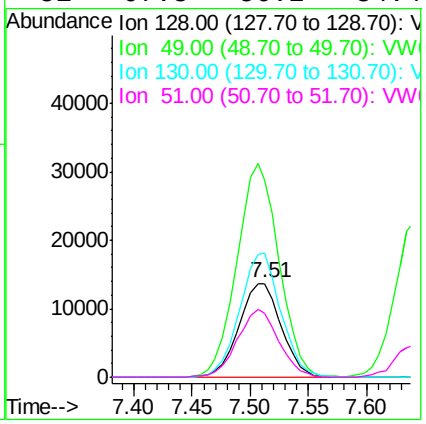


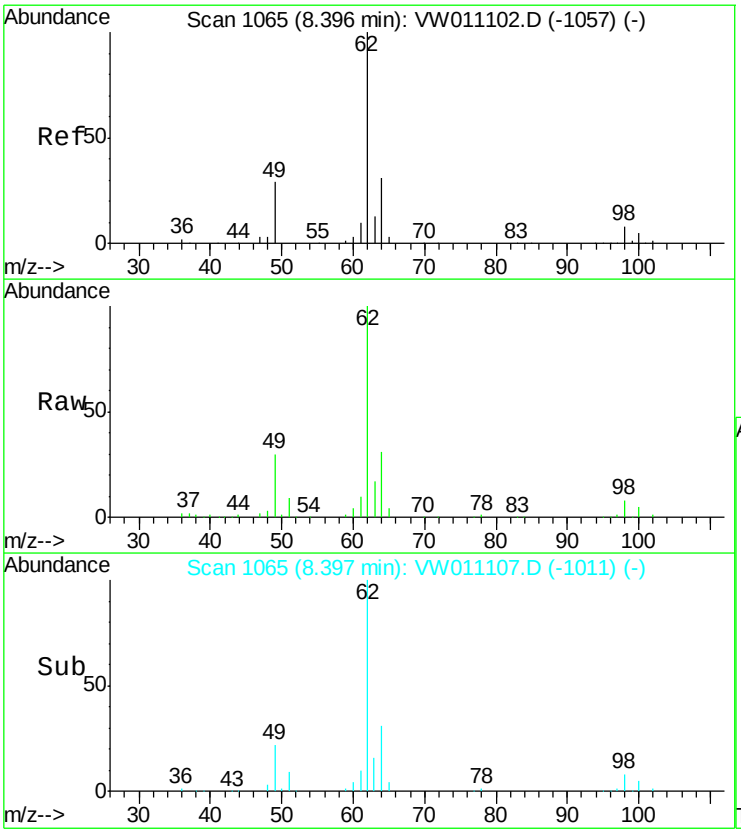
#23
Bromochloromethane
Concen: 14.686 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument : MSVOA_W
ClientSampleId : GAM31

Tgt Ion:128 Resp: 34593

Ion	Ratio	Lower	Upper
128	100		
49	210.0	153.8	285.6
130	132.2	86.4	160.4
51	67.8	56.2	84.4

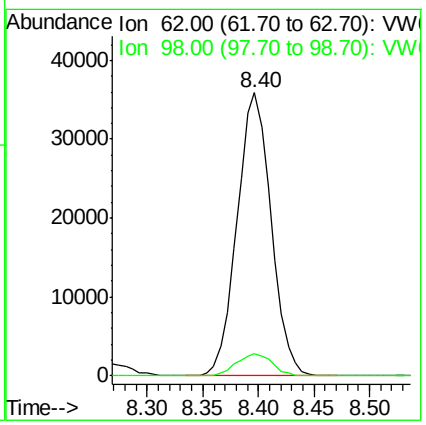


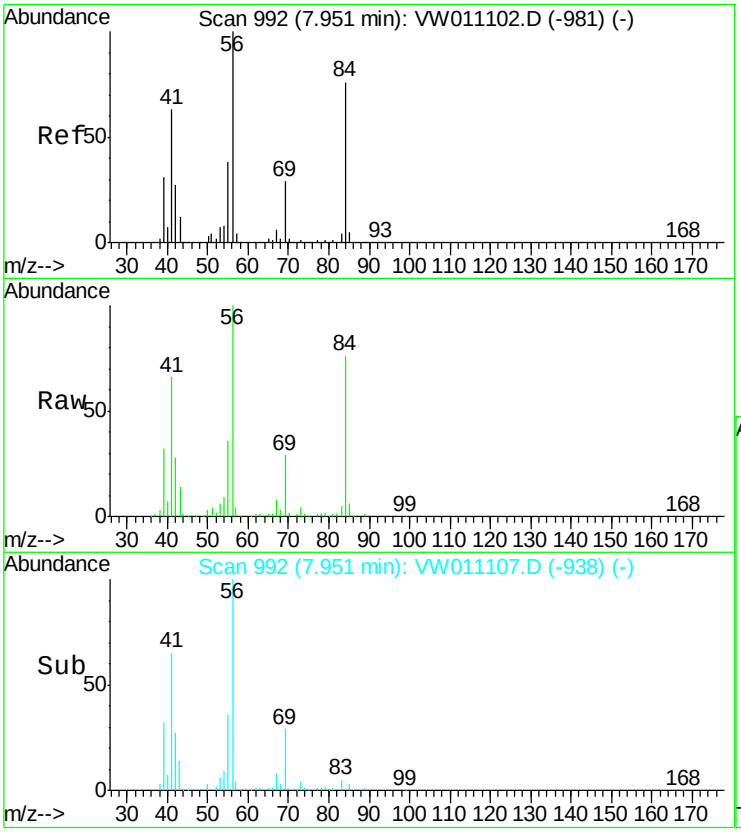


#27
1,2-Dichloroethane
Concen: 10.011 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 62 Resp: 76311

Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.6	10.0



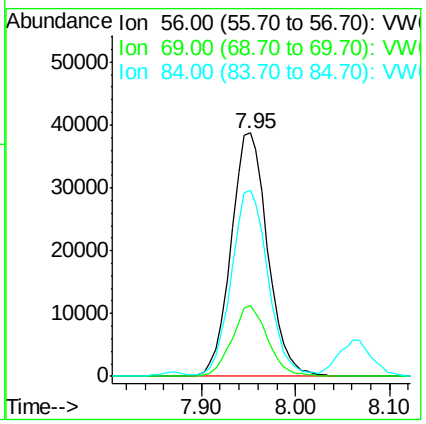


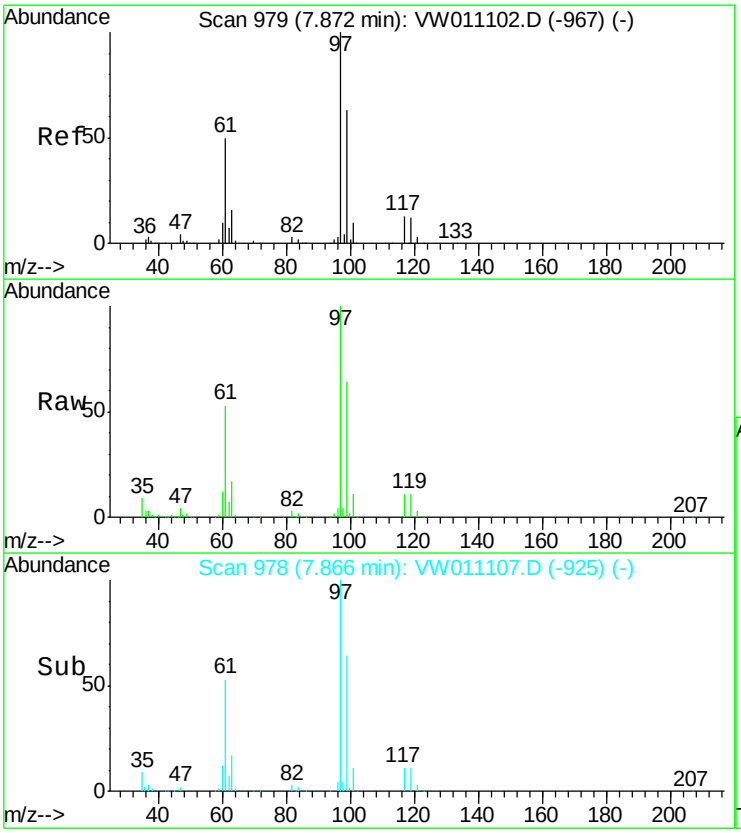
#30
Cyclohexane
Concen: 9.812 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument : MSVOA_W
ClientSampleId : GAM31

Tgt Ion: 56 Resp: 104989

Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.5	33.7
84	76.9	60.9	91.3

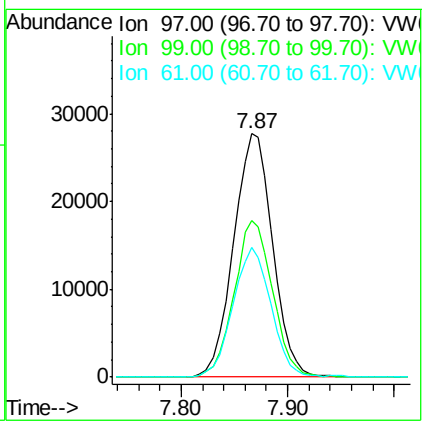


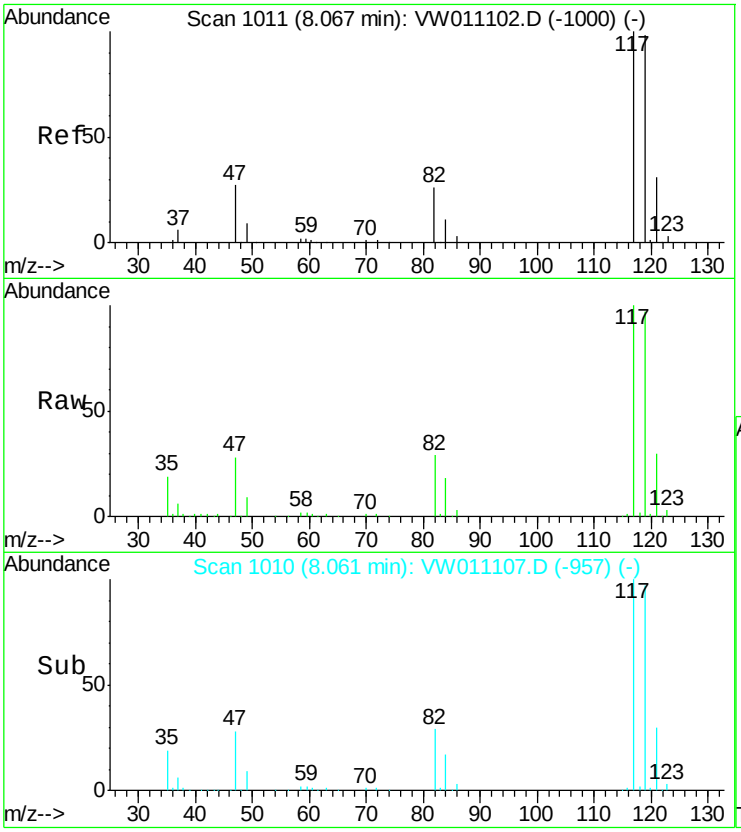


#31
1,1,1-Trichloroethane
Concen: 9.770 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 97 Resp: 71360

Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.6	75.8
61	52.0	40.9	61.3



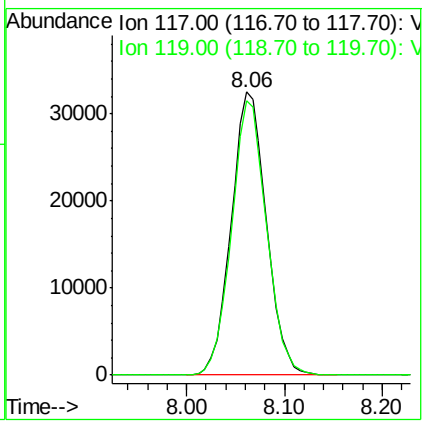


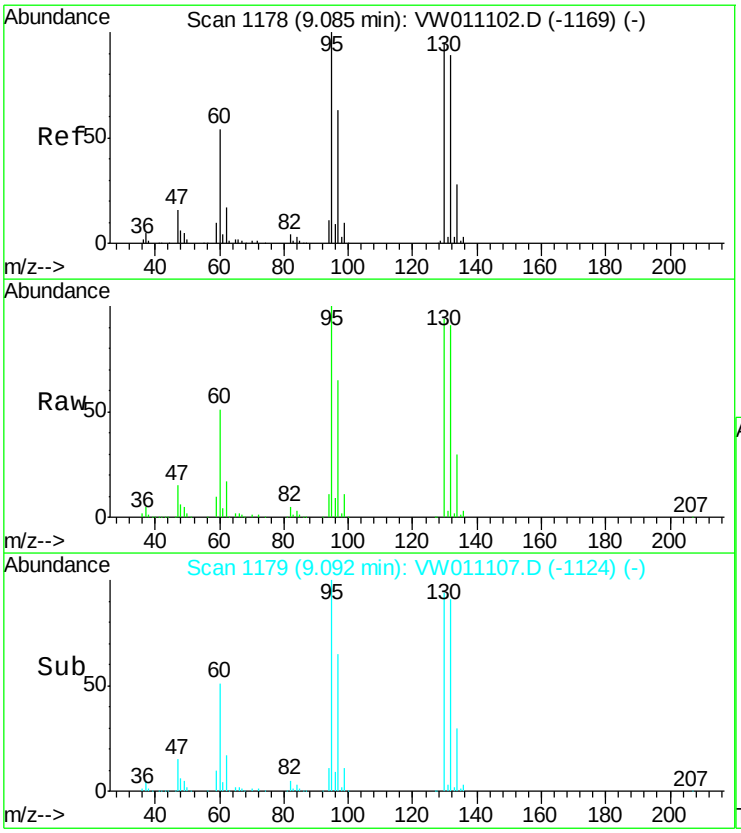
#32
Carbon tetrachloride
Concen: 11.806 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument :
MSVOA_W
ClientSampleId :
GAM31

Tgt Ion:117 Resp: 80871

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.4	116.0

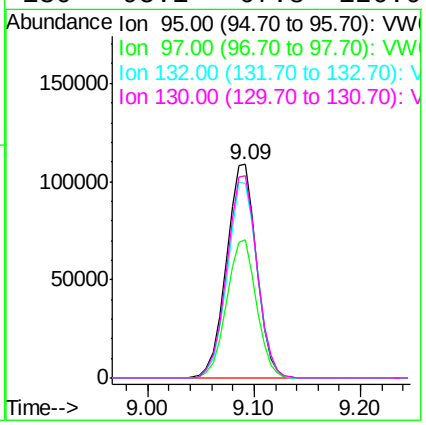


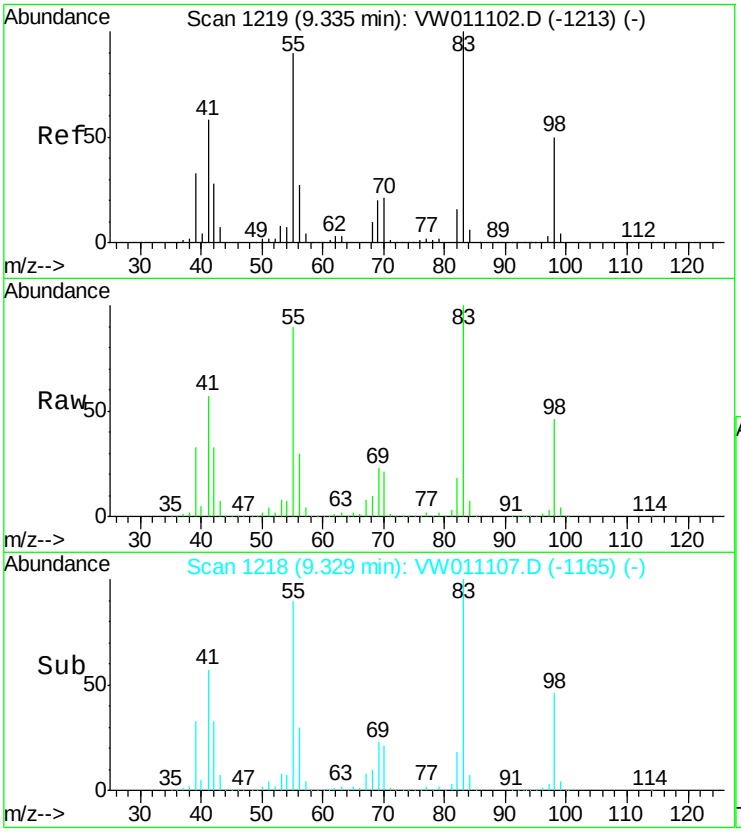


#35
Trichloroethene
Concen: 38.816 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 95 Resp: 215438

Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.4	84.2
132	91.6	65.0	120.8
130	95.1	67.8	126.0



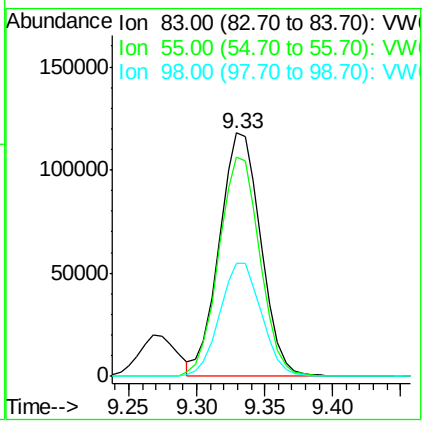


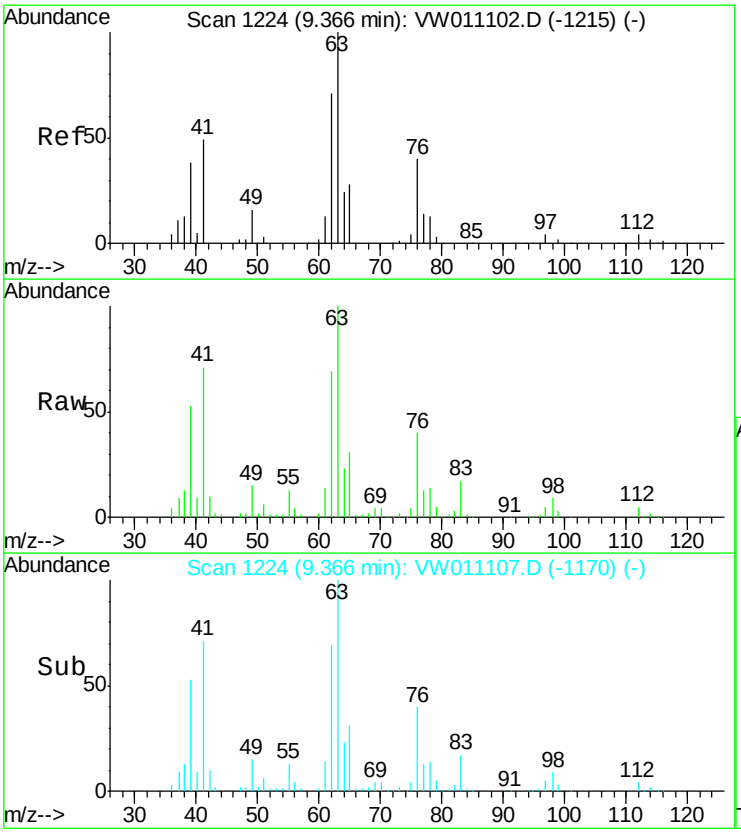
#36
Methylcyclohexane
Concen: 25.077 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument : MSVOA_W
ClientSampleId : GAM31

Tgt Ion: 83 Resp: 250468

Ion	Ratio	Lower	Upper
83	100		
55	89.2	72.2	108.4
98	46.6	38.2	57.4

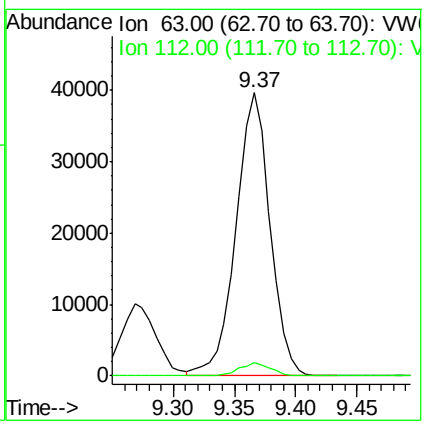


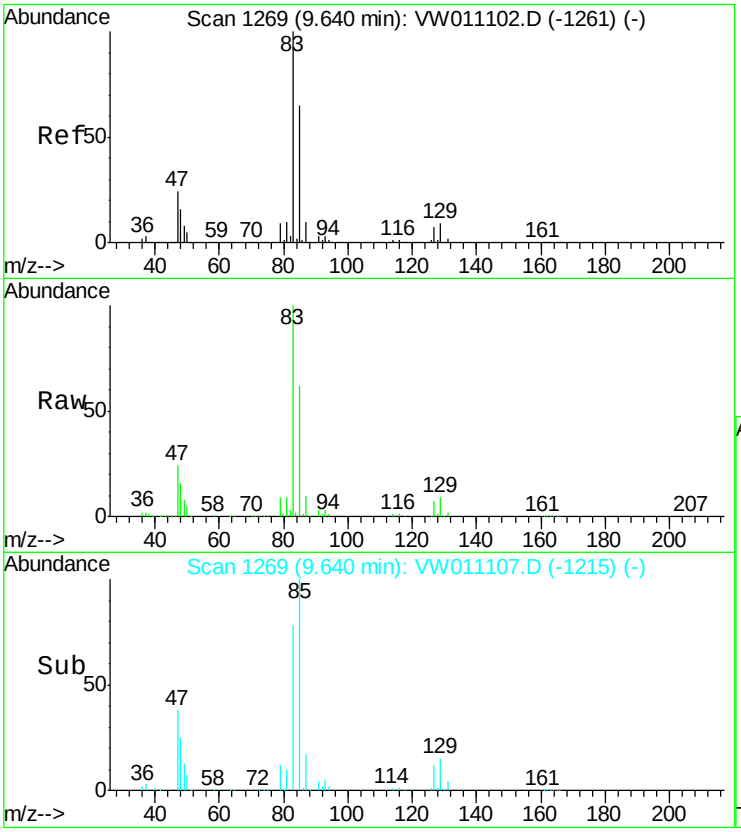


#40
1,2-Dichloropropane
Concen: 12.723 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 63 Resp: 76681

Ion	Ratio	Lower	Upper
63	100		
112	4.2	3.0	4.6



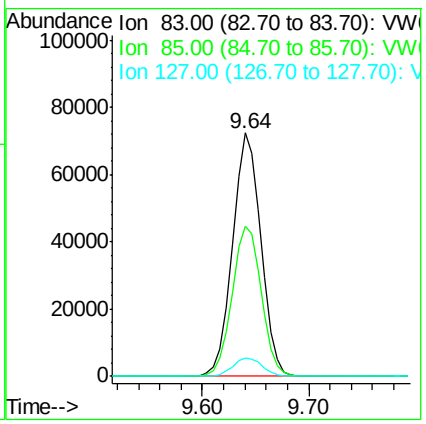


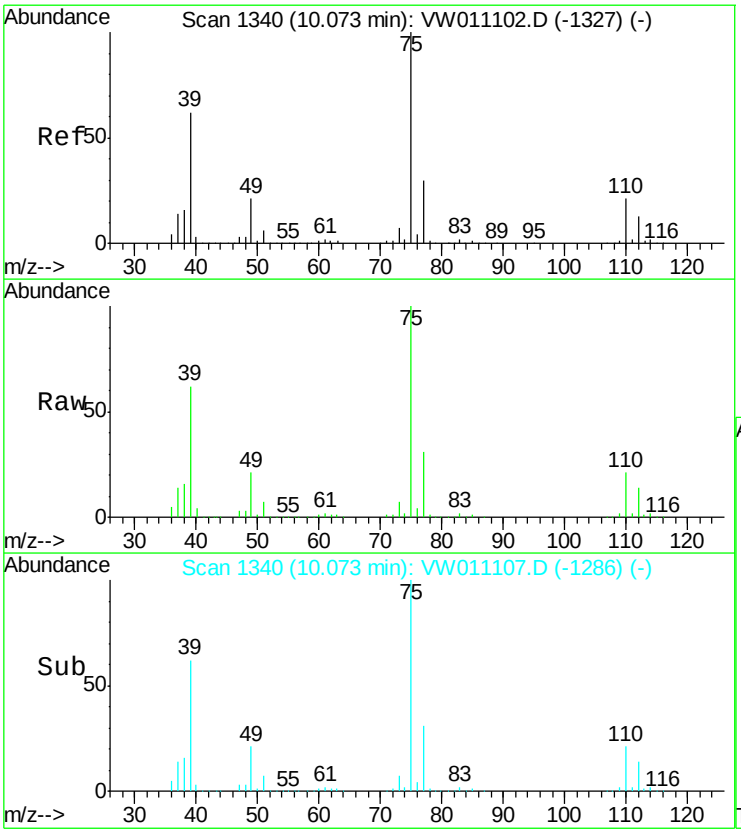
#41
Bromodichloromethane
Concen: 19.475 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument :
MSVOA_W
ClientSampleId :
GAM31

Tgt Ion: 83 Resp: 135318

Ion	Ratio	Lower	Upper
83	100		
85	61.7	45.5	84.5
127	7.4	5.8	8.8

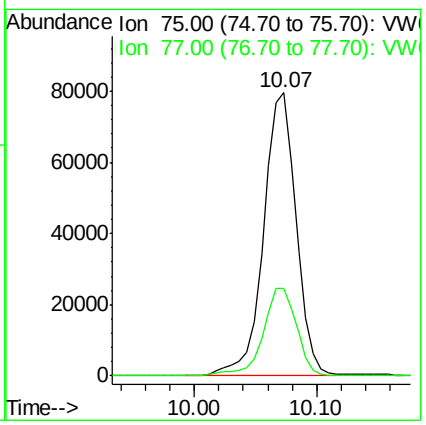


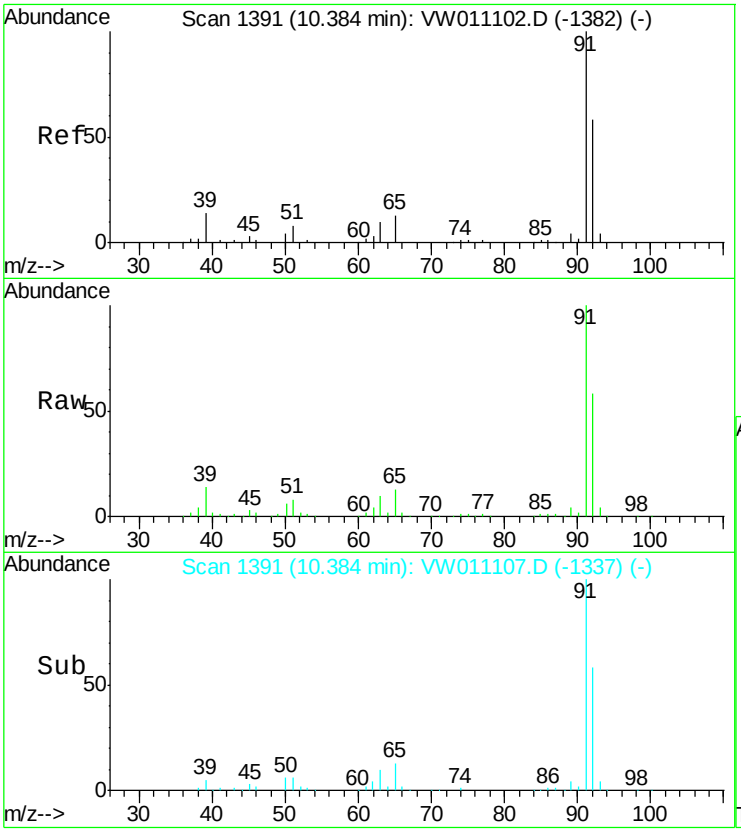


#42
cis-1,3-Dichloropropene
Concen: 16.624 ug/L
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 75 Resp: 147826

Ion	Ratio	Lower	Upper
75	100		
77	31.0	21.1	39.1



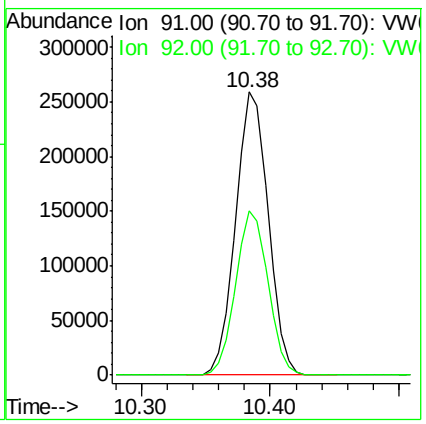


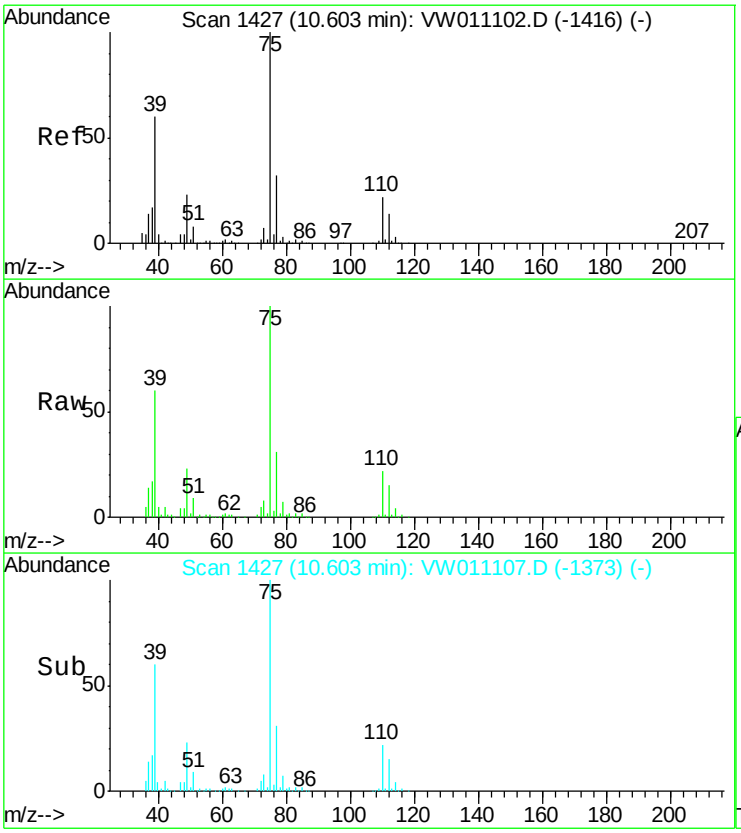
#44
Toluene
Concen: 19.913 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument :
MSVOA_W
ClientSampleId :
GAM31

Tgt Ion: 91 Resp: 453321

Ion	Ratio	Lower	Upper
91	100		
92	57.9	40.8	75.8

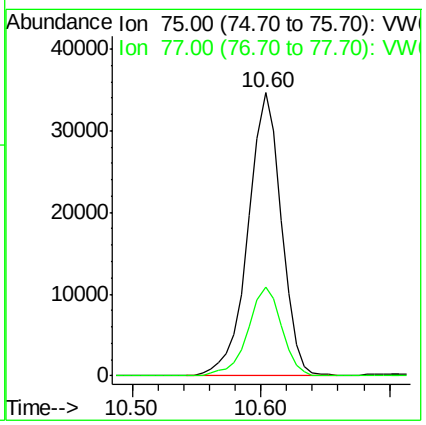


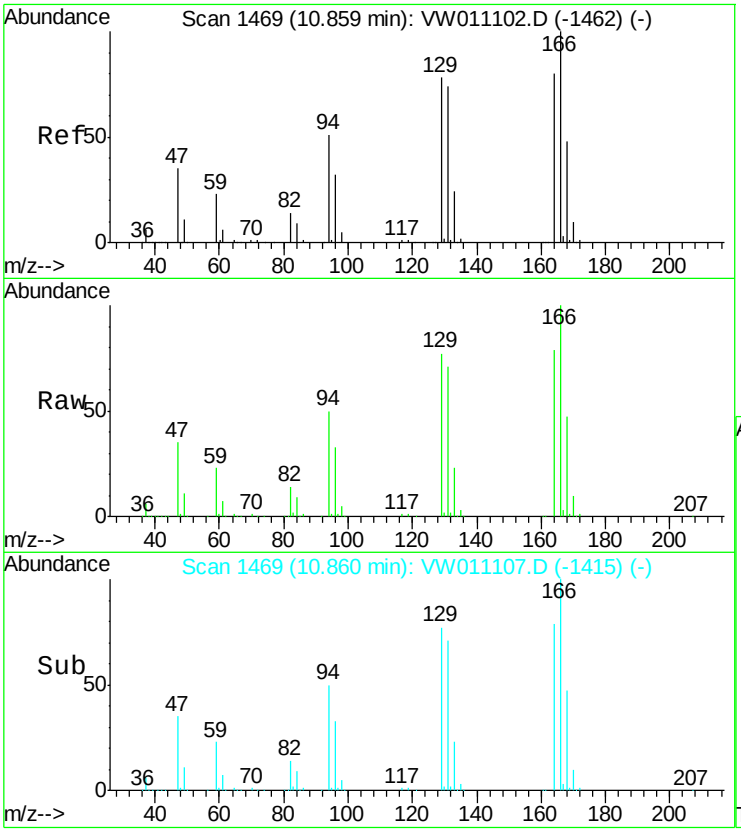


#45
trans-1,3-Dichloropropene
Concen: 8.405 ug/L
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 75 Resp: 61845

Ion	Ratio	Lower	Upper
75	100		
77	31.2	22.3	41.5



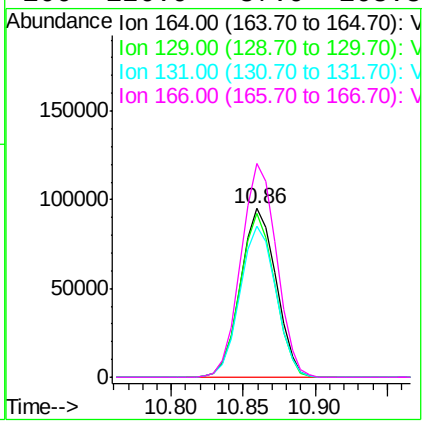


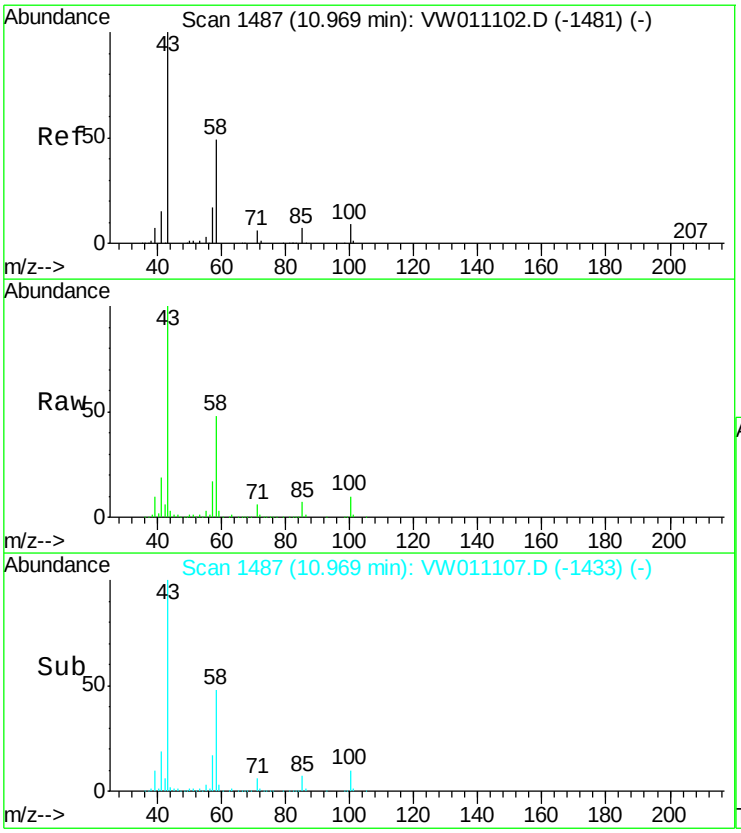
#47
Tetrachloroethene
Concen: 38.730 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument : MSVOA_W
ClientSampleId : GAM31

Tgt Ion:164 Resp: 162459

Ion	Ratio	Lower	Upper
164	100		
129	97.3	68.5	127.1
131	90.1	64.8	120.4
166	126.9	87.9	163.3

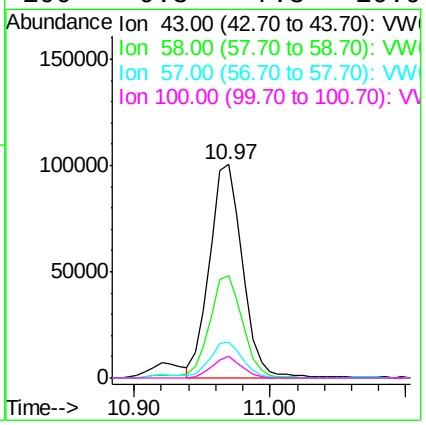


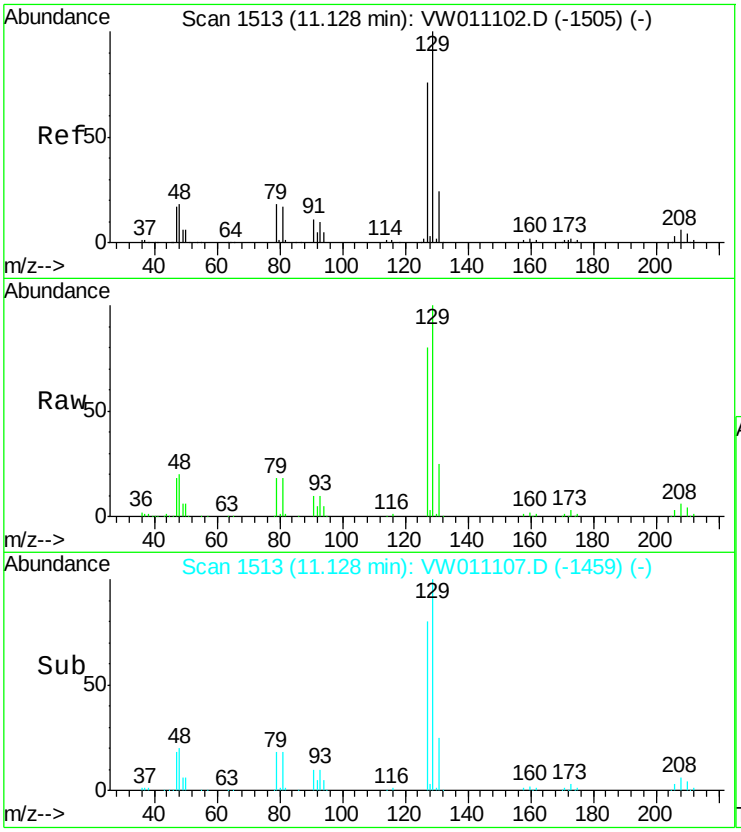


#49
2-Hexanone
Concen: 41.657 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 43 Resp: 169407

Ion	Ratio	Lower	Upper
43	100		
58	47.0	38.4	57.6
57	16.5	13.3	19.9
100	9.3	7.3	10.9



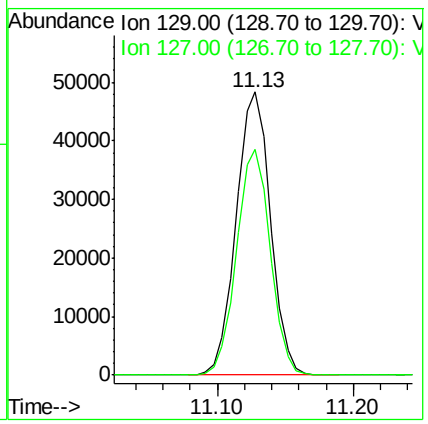


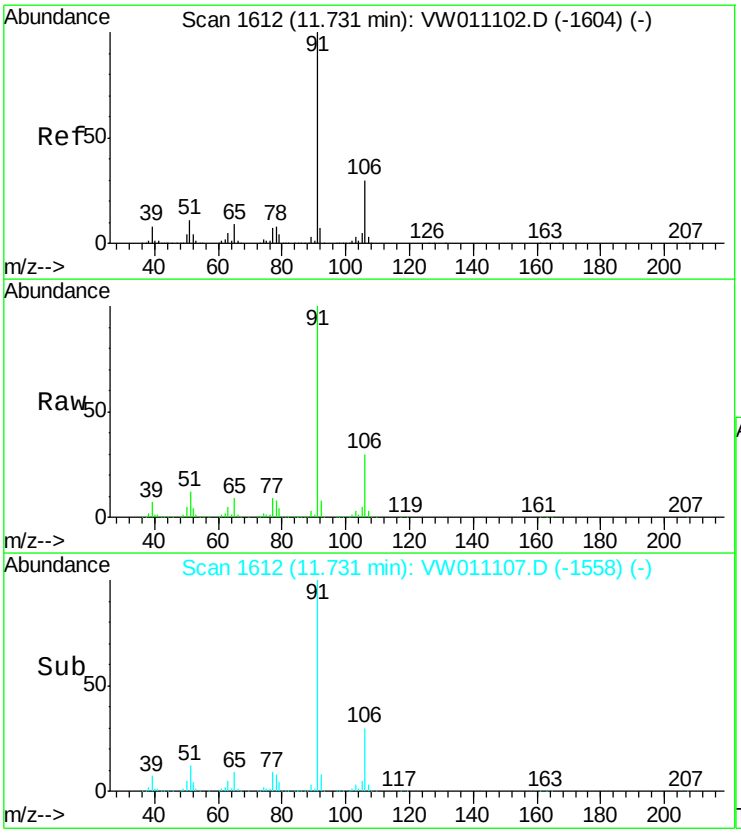
#50
Dibromochloromethane
Concen: 19.118 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument : MSVOA_W
ClientSampleId : GAM31

Tgt Ion:129 Resp: 84967

Ion	Ratio	Lower	Upper
129	100		
127	79.8	53.3	99.1

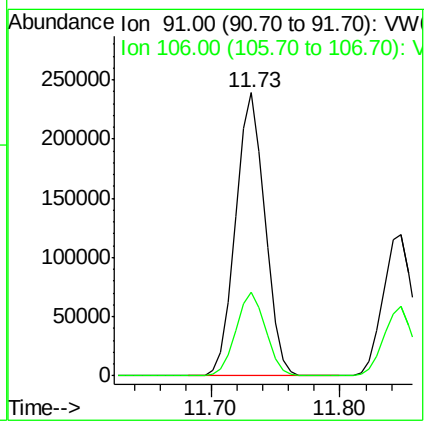


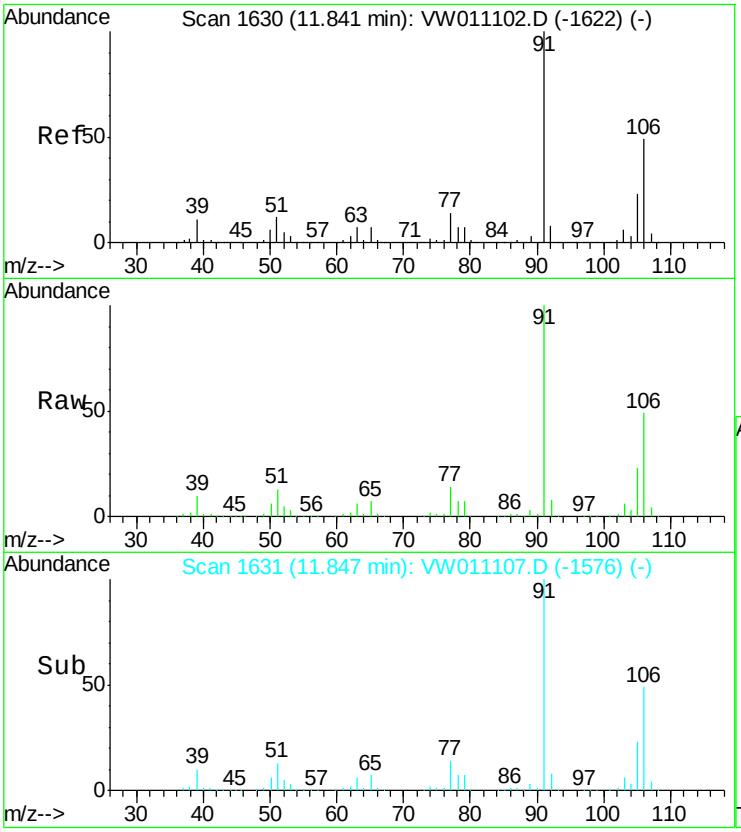


#53
Ethylbenzene
Concen: 14.608 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 91 Resp: 377220

Ion	Ratio	Lower	Upper
91	100		
106	29.8	20.6	38.4



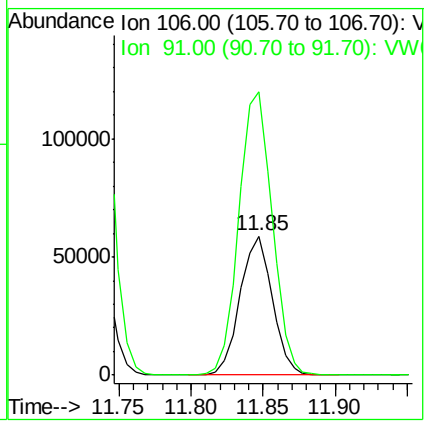


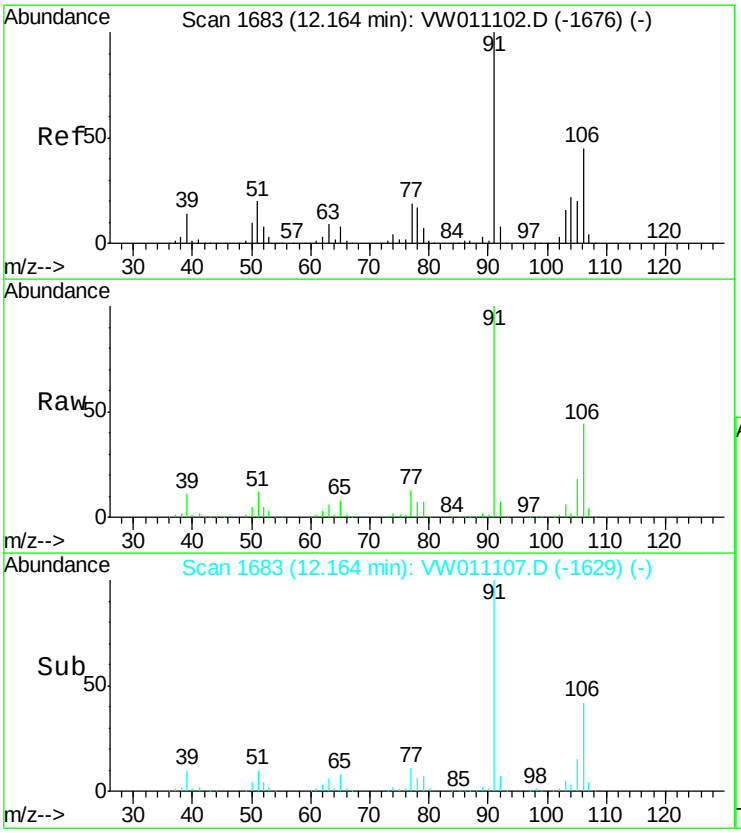
#54
m,p-Xylene
Concen: 9.777 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument :
MSVOA_W
ClientSampleId :
GAM31

Tgt Ion:106 Resp: 91662

Ion	Ratio	Lower	Upper
106	100		
91	203.6	142.6	264.8

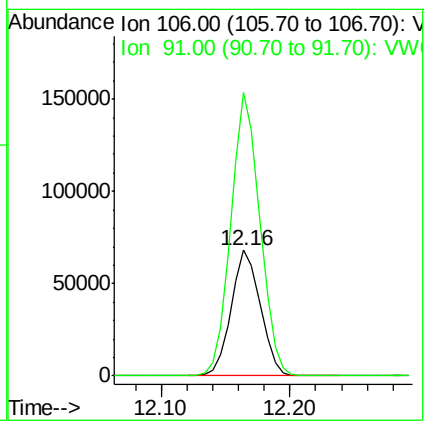


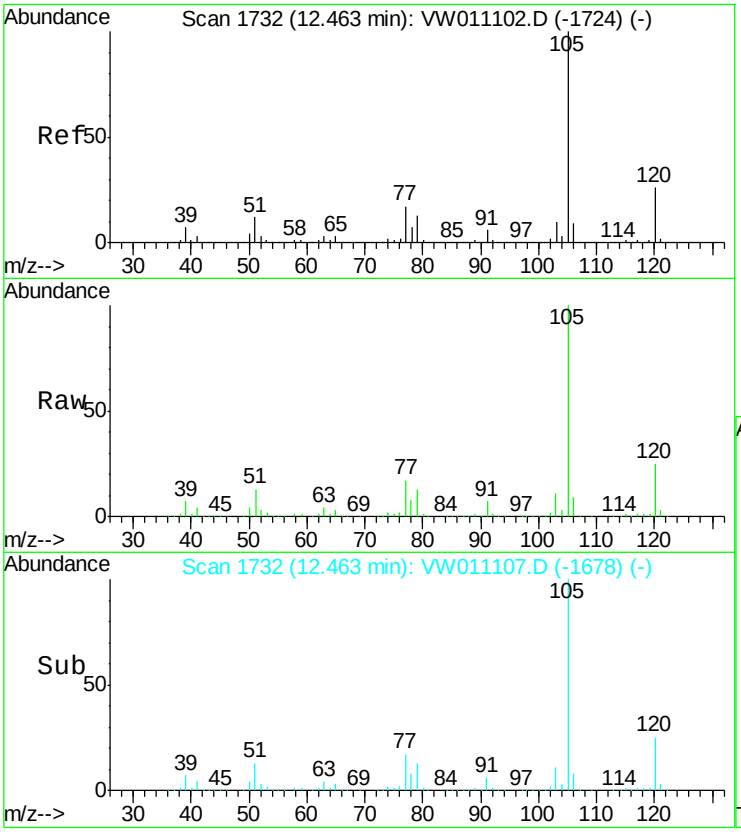


#55
o-xylene
Concen: 12.093 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion:106 Resp: 107857

Ion	Ratio	Lower	Upper
106	100		
91	225.8	154.6	287.2



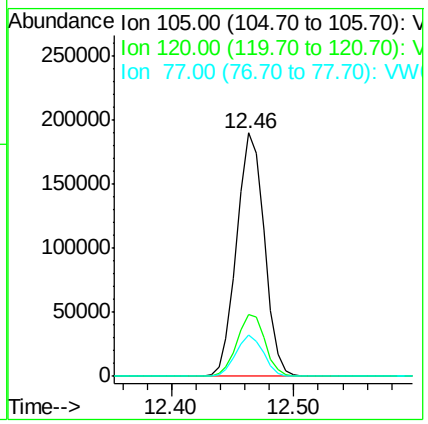


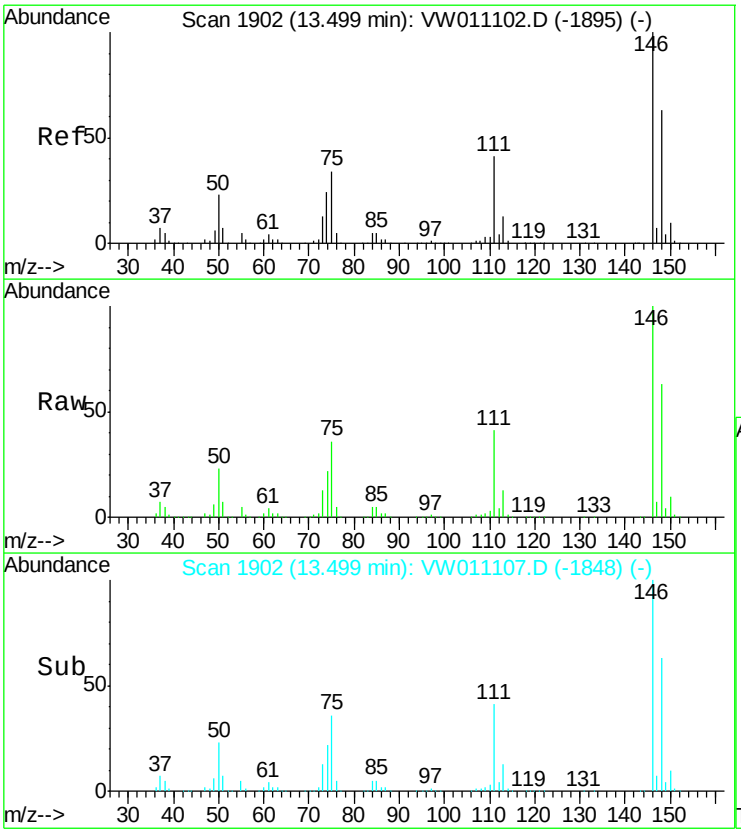
#57
Isopropylbenzene
Concen: 12.181 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument : MSVOA_W
ClientSampleId : GAM31

Tgt Ion:105 Resp: 296560

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.7	31.1
77	16.8	13.5	20.3

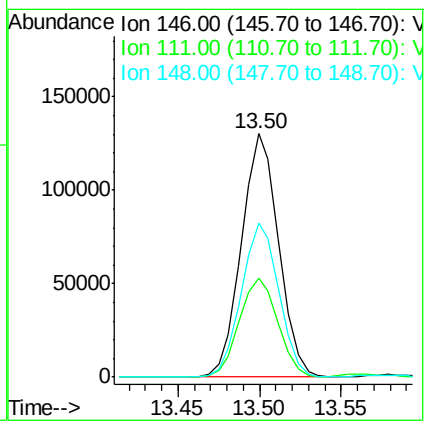


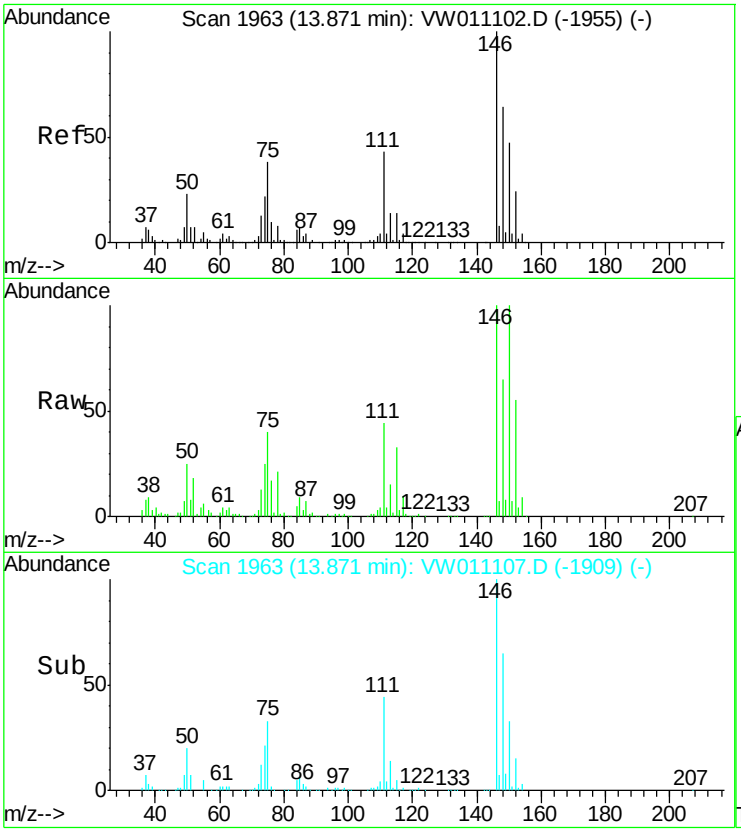


#63
1,3-Dichlorobenzene
Concen: 19.447 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion:146 Resp: 206383

Ion	Ratio	Lower	Upper
146	100		
111	40.6	29.0	53.8
148	63.0	44.4	82.5



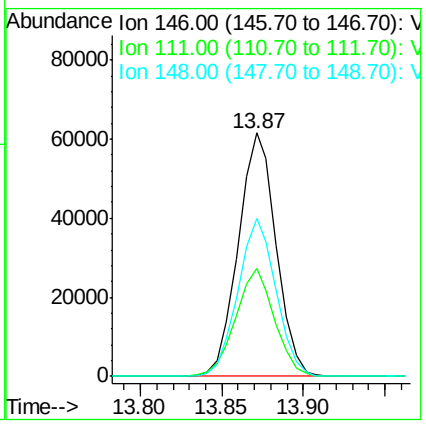


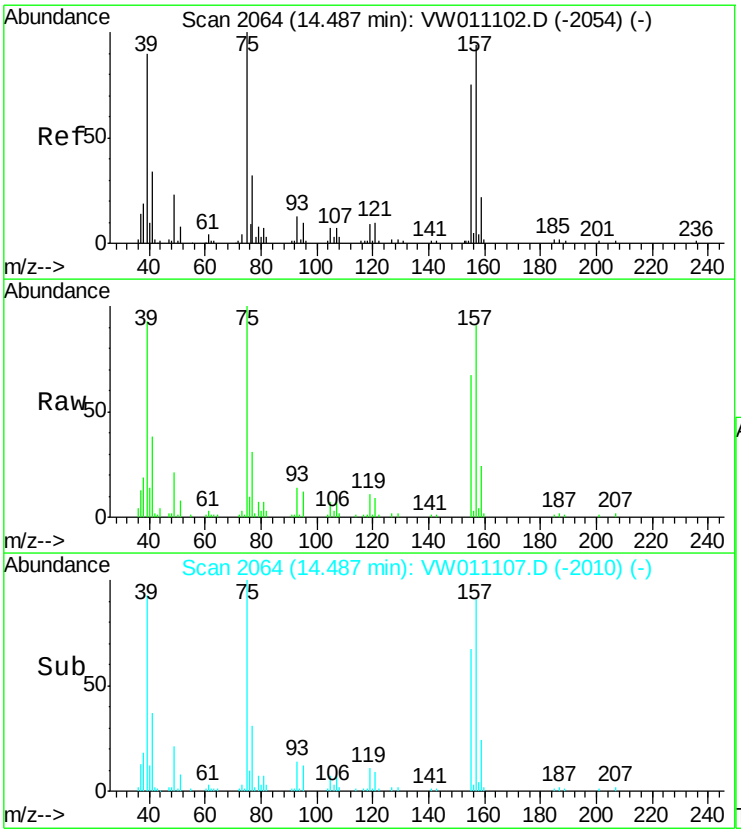
#65
1,2-Dichlorobenzene
Concen: 10.050 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Instrument : MSVOA_W
ClientSampleId : GAM31

Tgt Ion:146 Resp: 99277

Ion	Ratio	Lower	Upper
146	100		
111	44.3	34.1	51.1
148	65.0	51.0	76.4





#66
1,2-Dibromo-3-chloropropane
Concen: 18.581 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW011107.D
Acq: 02 Jul 2019 14:03

Tgt Ion: 75 Resp: 18021

Ion	Ratio	Lower	Upper
75	100		
157	91.3	75.3	112.9
155	67.1	60.2	90.2