Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\

Quantitation Report (Not Reviewed)

Data File : VW007161.D
Acq On : 03 Dec 2018 13:11
Operator : SY/AP
Sample : J6077-06
Misc : 6.09G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y41

Quant Time: Dec 04 03:17:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 04 03:14:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	106779	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	110849	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	55663	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	19205	21.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.56%			
7) Chloroethane-d5	2.89	69	19729	30.28	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 121.12%			
10) 1,1-Dichloroethene-d2	4.02	63	45008	19.02	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 76.08%			
20) 2-Butanone-d5	7.08	46	22638	61.54	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 123.08%			
24) Chloroform-d	7.65	84	60753	27.16	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 108.64%			
26) 1,2-Dichloroethane-d4	8.31	65	33897	26.18	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.72%			
29) Benzene-d6	8.28	84	108447	20.59	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 82.36%			
33) 1,2-Dichloropropane-d6	9.30	67	250788	166.19	ug/L	0.03
Spiked Amount 25.000	Range 70 - 120		Recovery = 664.76%#			
37) Toluene-d8	10.33	98	222084	39.86	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 159.44%#			
38) trans-1,3-Dichloropropene-	10.58	79	21669	29.37	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 117.48%			
39) 2-Hexanone-d5	10.93	63	22576	63.84	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 127.68%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	23554	17.13	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 68.52%			
61) 1,2-Dichlorobenzene-d4	13.86	152	43219	20.69	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 82.76%			
Target Compounds						Qvalue
3) Chloromethane	2.18	50	7487	5.493	ug/L #	67
13) Acetone	4.12	43	42161	163.588	ug/L	70
15) Methyl Acetate	4.75	43	212610	332.690	ug/L #	52
19) 1,1-Dichloroethane	6.24	63	4245	1.953	ug/L #	1
21) 2-Butanone	7.18	43	13794	34.864	ug/L	88
25) Chloroform	7.70	83	20031	8.493	ug/L #	72
27) 1,2-Dichloroethane	8.41	62	5489	3.508	ug/L #	1
30) Cyclohexane	7.96	56	986536	408.315	ug/L #	80
34) Benzene	8.33	78	2325903	404.919	ug/L	100
35) Trichloroethene	9.12	95	22921	14.718	ug/L #	16
36) Methylcyclohexane	9.34	83	2216442	766.468	ug/L	90
40) 1,2-Dichloropropane	9.40	63	1830	1.328	ug/L #	87
41) Bromodichloromethane	9.62	83	51745	28.686	ug/L #	30
43) 4-Methyl-2-pentanone	10.21	43	5894	5.781	ug/L #	48
44) Toluene	10.39	91	1487710	216.150	ug/L	100
46) 1,1,2-Trichloroethane	10.77	97	378153	348.518	ug/L #	23
49) 2-Hexanone	10.94	43	458002	663.632	ug/L #	25

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\

Quantitation Report (Not Reviewed)

Data File : VW007161.D
Acq On : 03 Dec 2018 13:11
Operator : SY/AP
Sample : J6077-06
Misc : 6.09G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y41

Quant Time: Dec 04 03:17:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 04 03:14:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) Dibromochloromethane	11.04	129	532	0.403	ug/L		83
51) 1,2-Dibromoethane	11.24	107	4044	3.678	ug/L	#	1
53) Ethylbenzene	11.74	91	1517924	190.227	ug/L		100
54) m,p-Xylene	11.84	106	1037485	333.218	ug/L		89
55) o-xylene	12.17	106	718295	248.773	ug/L		92
56) Styrene	12.18	104	51045	10.454	ug/L	#	1
57) Isopropylbenzene	12.47	105	261066	32.516	ug/L		99
58) 1,1,2,2-Tetrachloroethane	12.70	83	11270	8.174	ug/L	#	52
66) 1,2-Dibromo-3-chloropropan	14.50	75	2296	8.447	ug/L	#	15
69) Naphthalene	15.38	128	743550	149.328	ug/L		99
70) 1,2,3-Trichlorobenzene	15.59	180	1484	0.727	ug/L	#	21

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

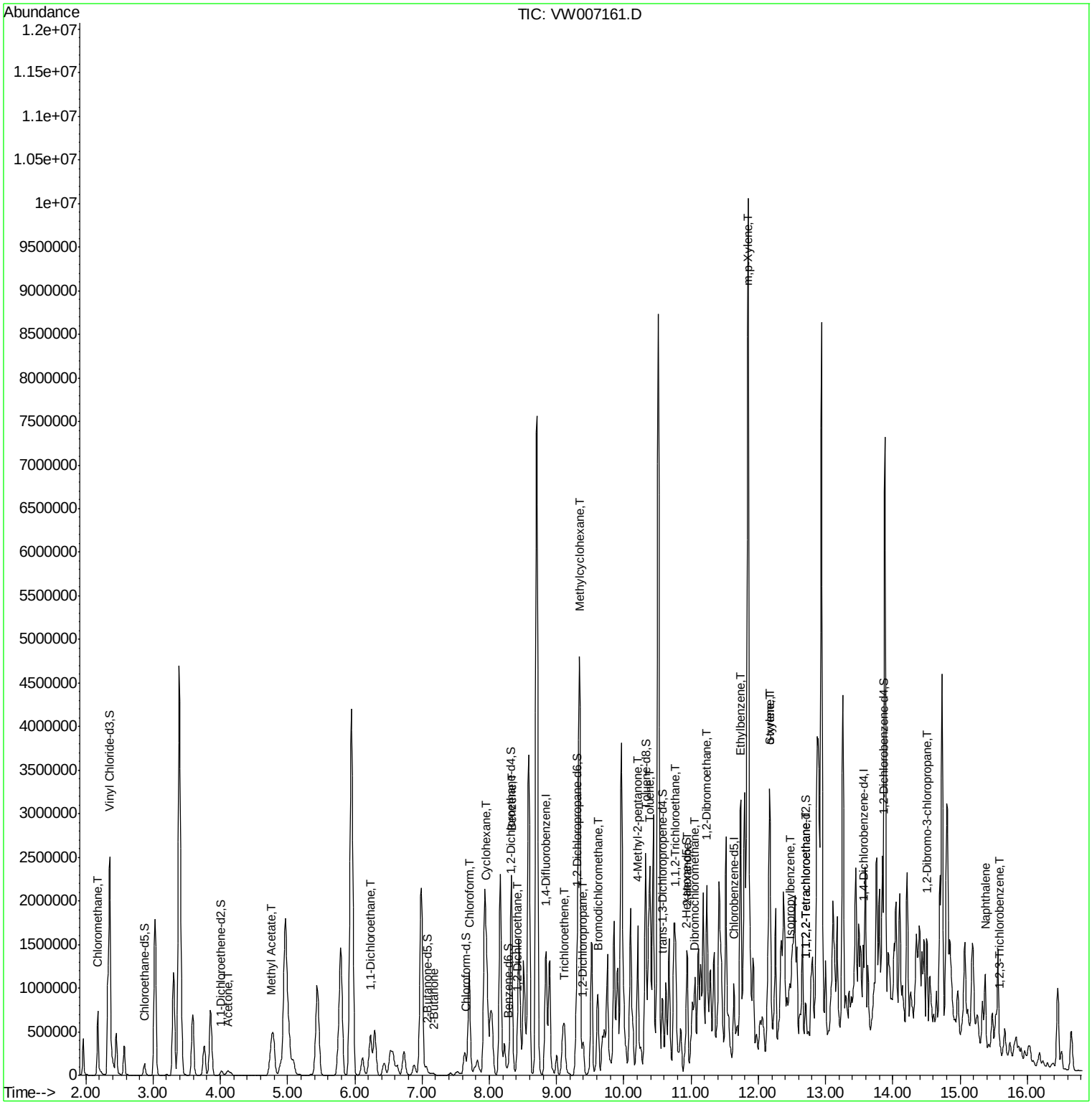
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\

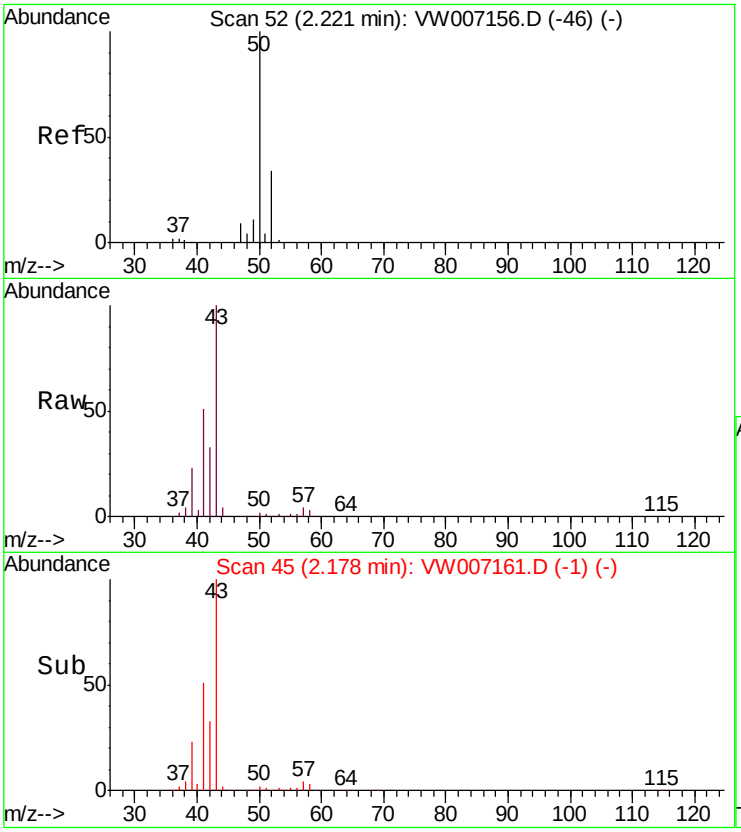
Quantitation Report (Not Reviewed)

Data File : VW007161.D
Acq On : 03 Dec 2018 13:11
Operator : SY/AP
Sample : J6077-06
Misc : 6.09G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y41

Quant Time: Dec 04 03:17:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 04 03:14:20 2018
Response via : Initial Calibration



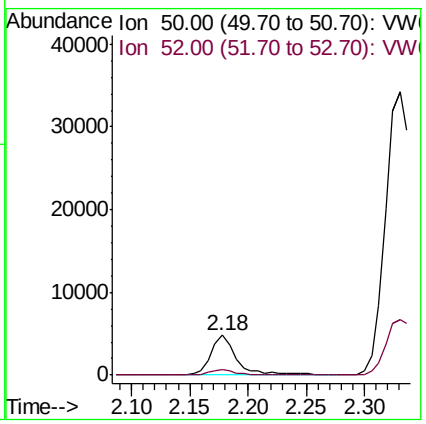


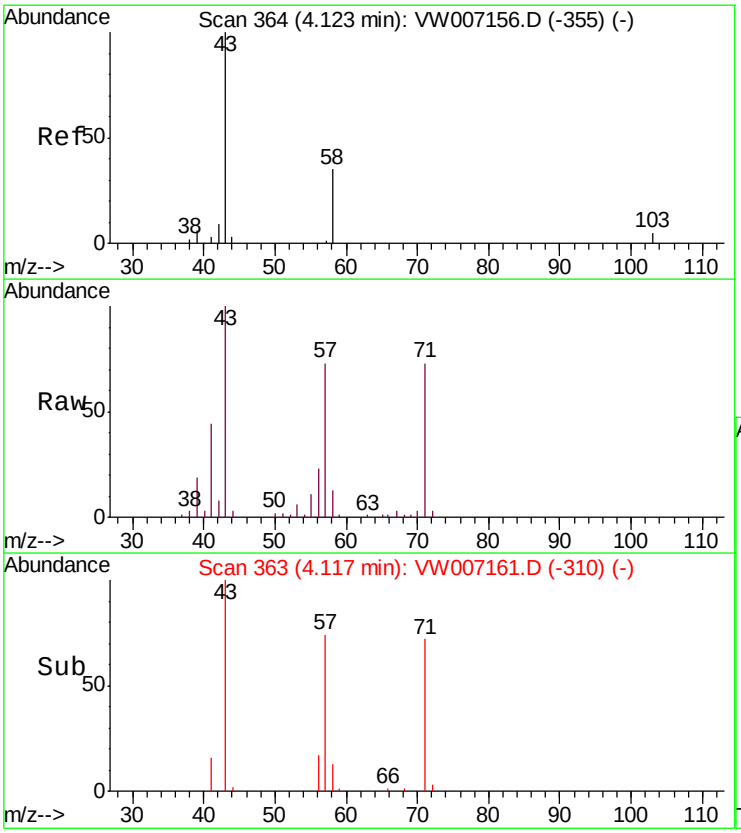
#3
Chloromethane
Concen: 5.493 ug/L
RT: 2.18 min Scan# 45
Delta R.T. -0.04 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument :
MSVOA_W
ClientSampleId :
F9Y41

Tgt Ion: 50 Resp: 7487

Ion	Ratio	Lower	Upper
50	100		
52	14.1	23.0	42.6#

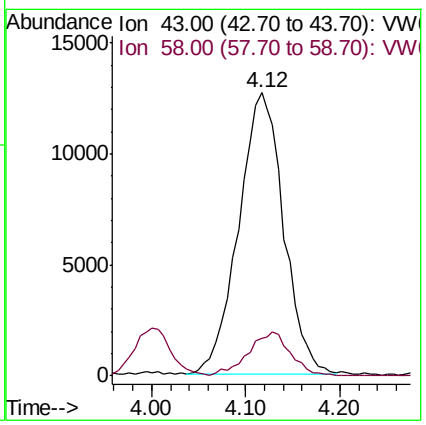


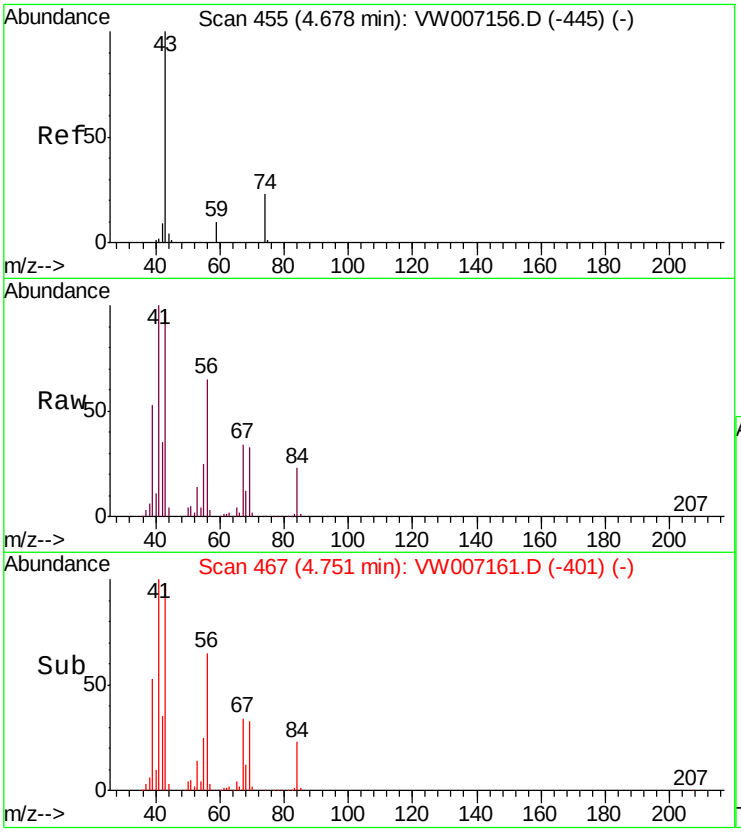


#13
Acetone
Concen: 163.588 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion: 43 Resp: 42161

Ion	Ratio	Lower	Upper
43	100		
58	14.6	0.0	62.4



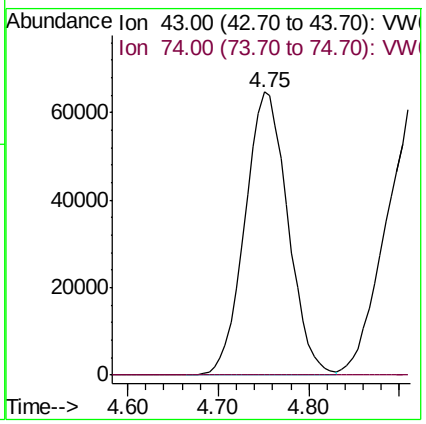


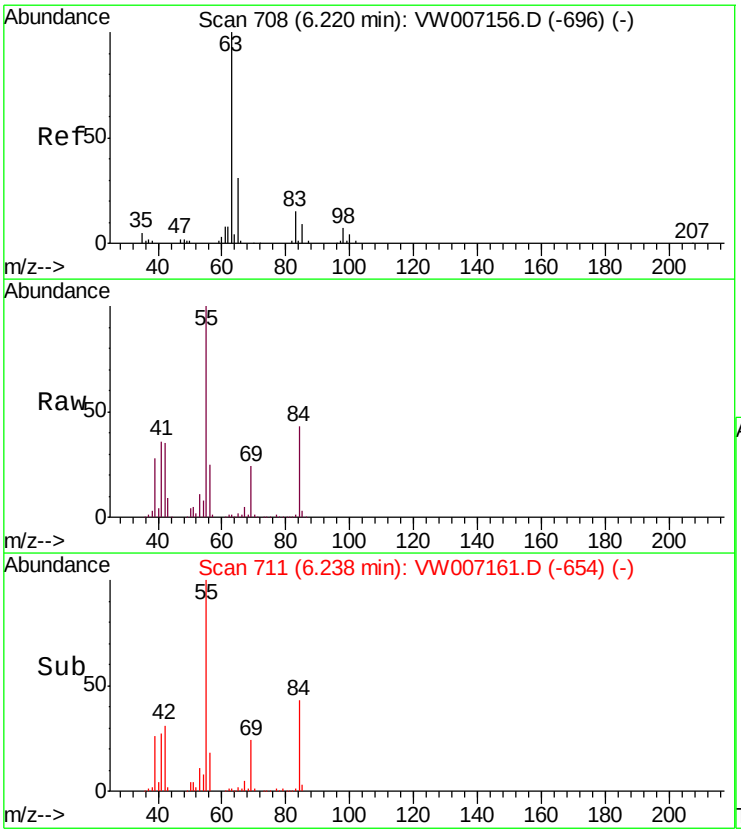
#15
Methyl Acetate
Concen: 332.690 ug/L
RT: 4.75 min Scan# 467
Delta R.T. 0.07 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument : MSVOA_W
ClientSampleId : F9Y41

Tgt Ion: 43 Resp: 212610

Ion	Ratio	Lower	Upper
43	100		
74	0.1	19.3	28.9#

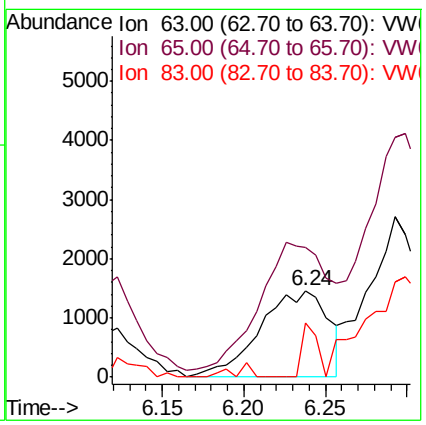


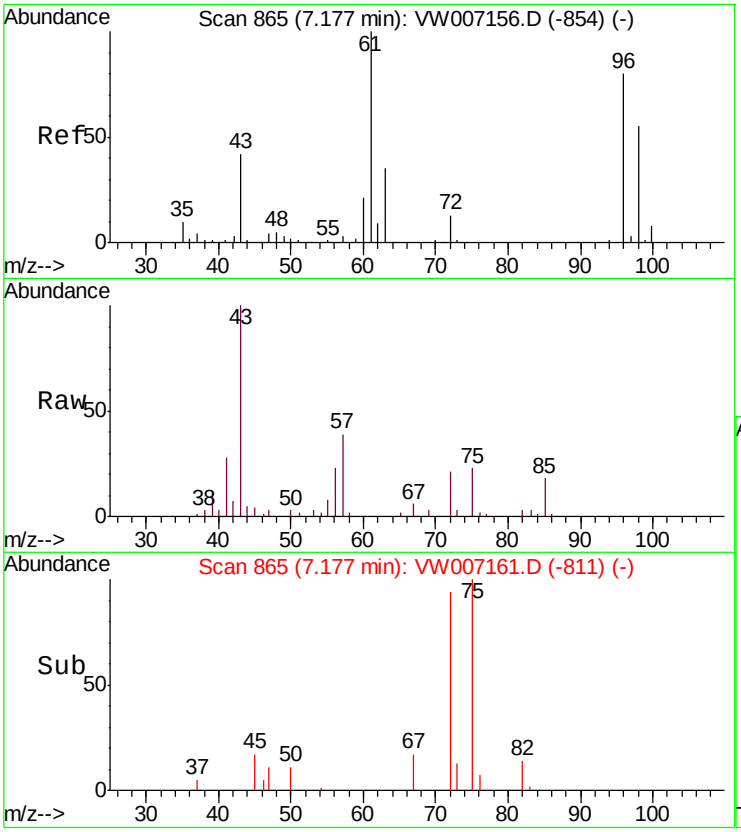


#19
1,1-Dichloroethane
Concen: 1.953 ug/L
RT: 6.24 min Scan# 711
Delta R.T. 0.02 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion: 63 Resp: 4245

Ion	Ratio	Lower	Upper
63	100		
65	150.3	22.4	41.6#
83	62.8	9.7	17.9#



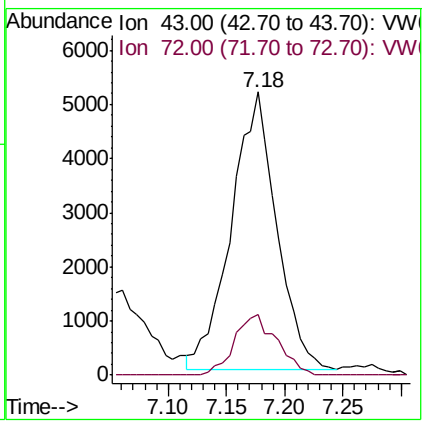


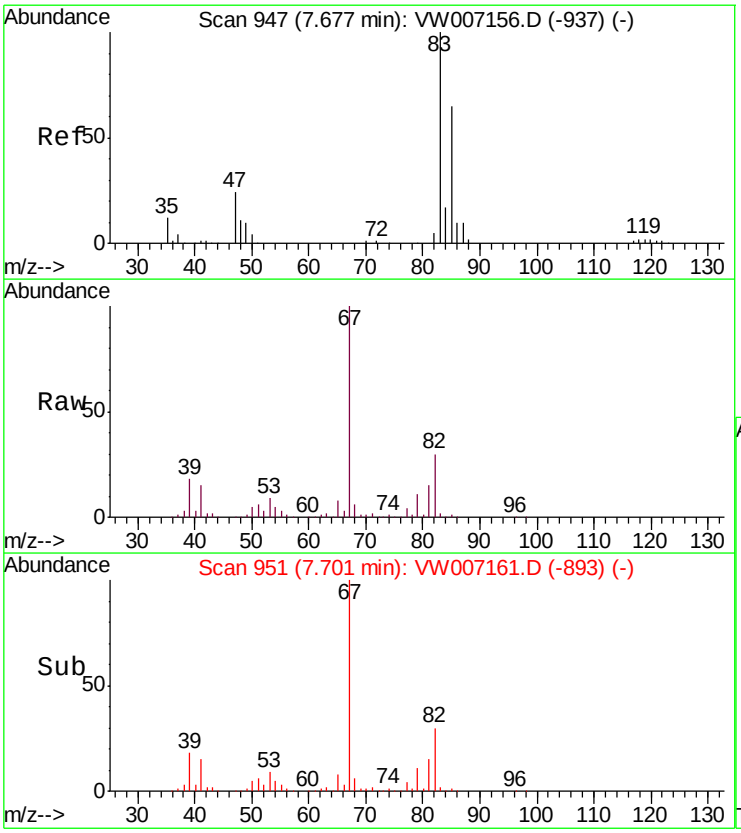
#21
2-Butanone
Concen: 34.864 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument :
MSVOA_W
ClientSampleId :
F9Y41

Tgt Ion: 43 Resp: 13794

Ion	Ratio	Lower	Upper
43	100		
72	20.6	13.5	40.5

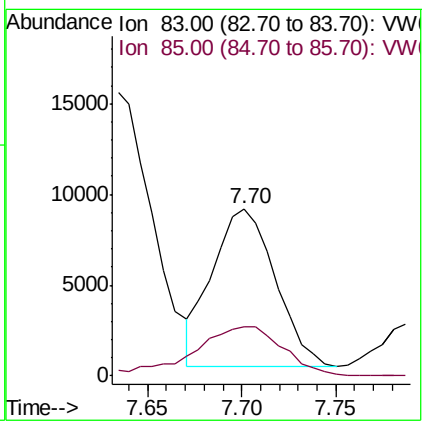


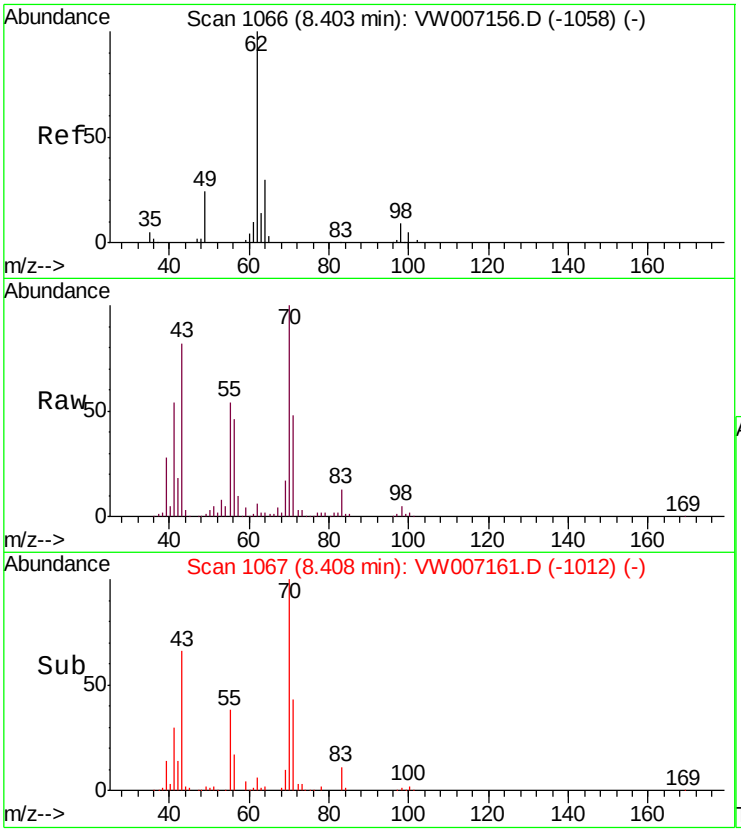


#25
Chloroform
Concen: 8.493 ug/L
RT: 7.70 min Scan# 951
Delta R.T. 0.02 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion: 83 Resp: 20031

Ion	Ratio	Lower	Upper
83	100		
85	43.6	46.1	85.7#



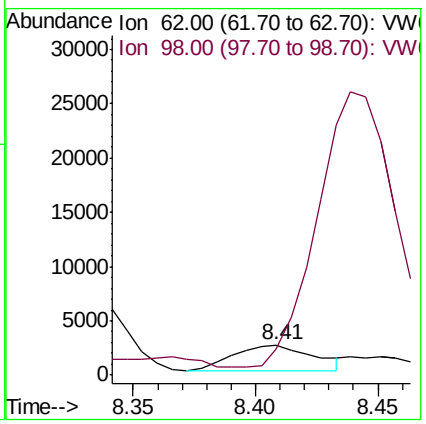


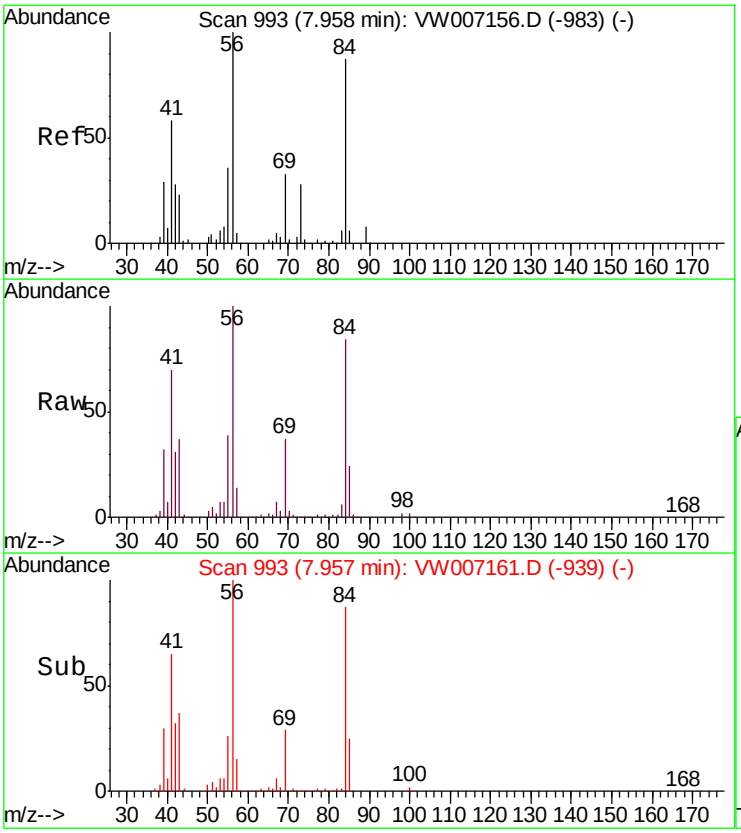
#27
1,2-Dichloroethane
Concen: 3.508 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument :
MSVOA_W
ClientSampleId :
F9Y41

Tgt Ion: 62 Resp: 5489

Ion	Ratio	Lower	Upper
62	100		
98	84.0	7.4	11.2#

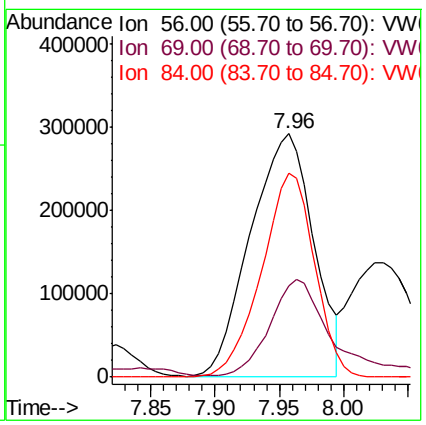


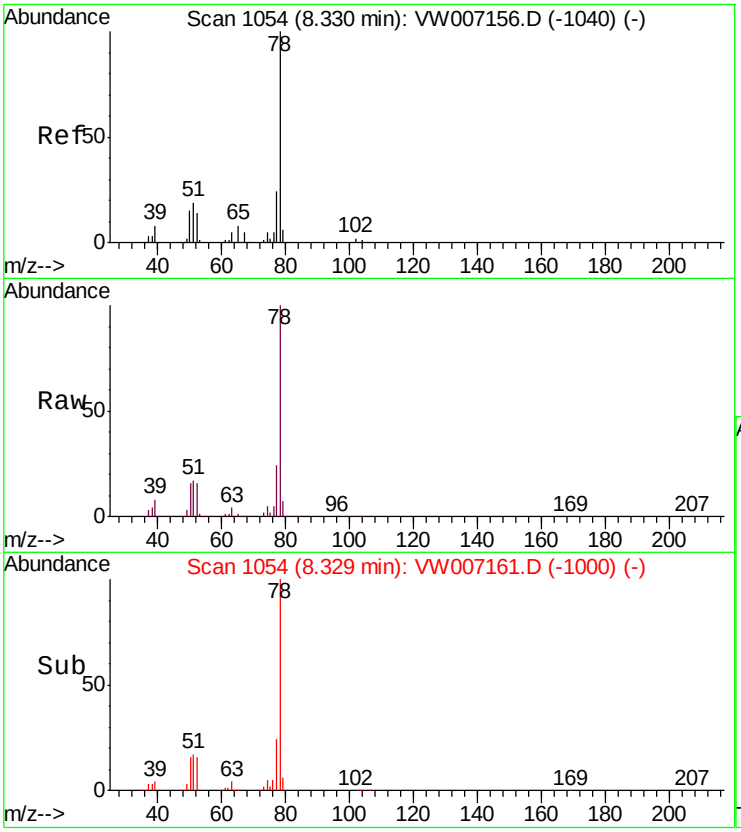


#30
Cyclohexane
Concen: 408.315 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion: 56 Resp: 986536

Ion	Ratio	Lower	Upper
56	100		
69	40.4	26.1	39.1#
84	70.5	73.0	109.4#

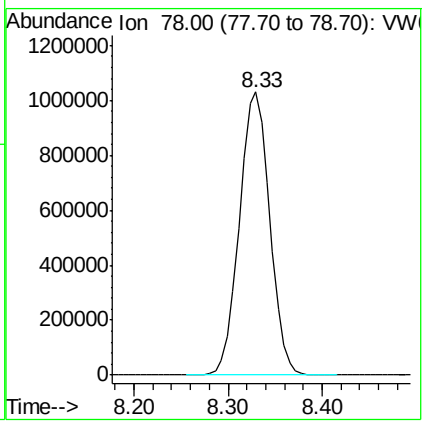


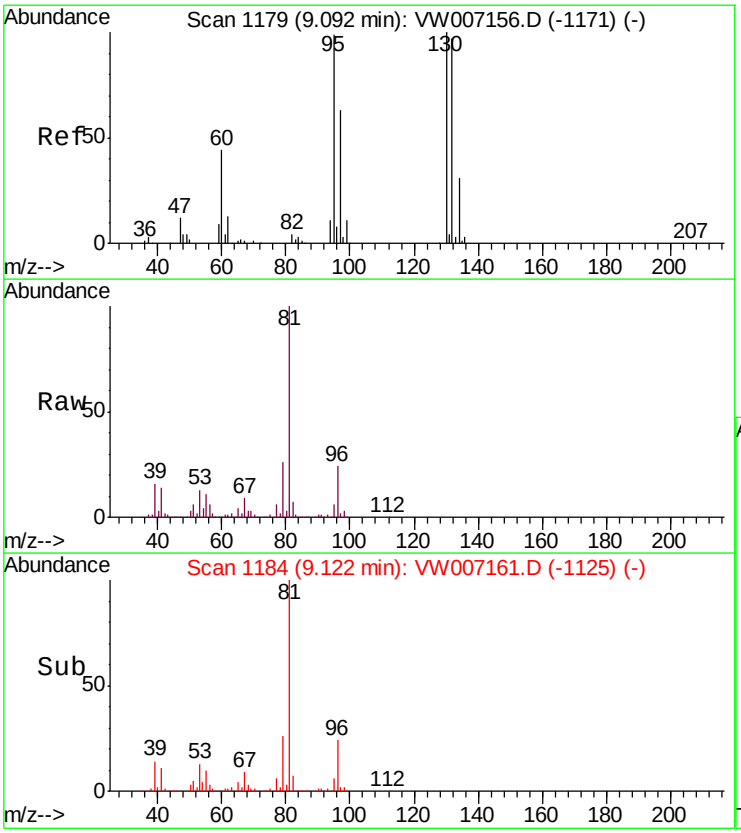


#34
Benzene
Concen: 404.919 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument :
MSVOA_W
ClientSampleId :
F9Y41

Tgt Ion: 78 Resp: 2325903

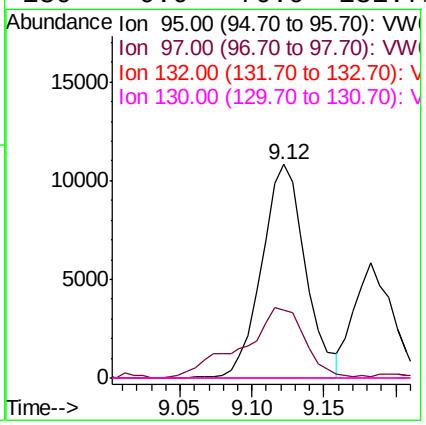


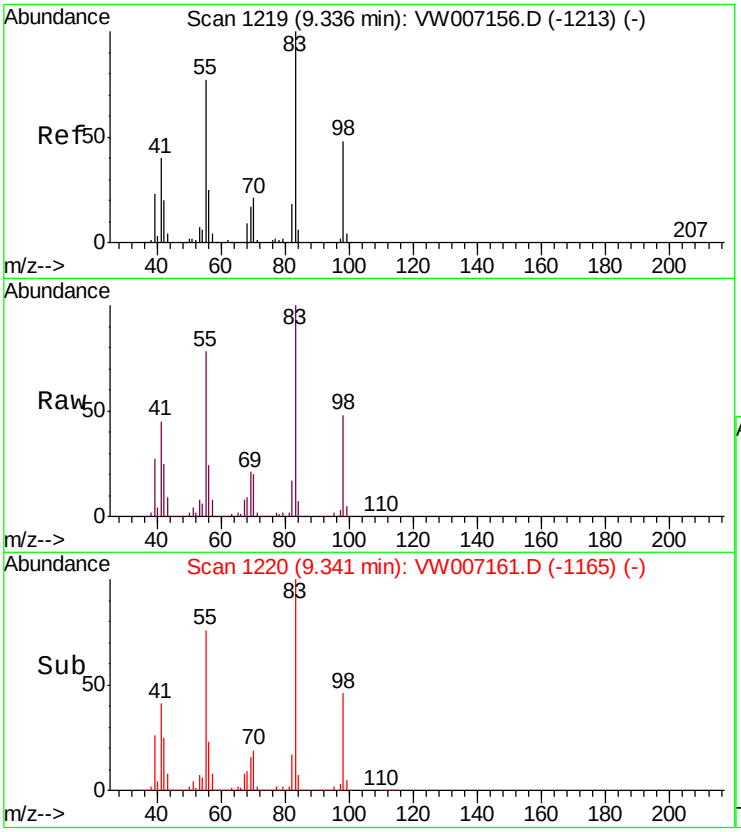


#35
Trichloroethene
Concen: 14.718 ug/L
RT: 9.12 min Scan# 1184
Delta R.T. 0.03 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion: 95 Resp: 22921

Ion	Ratio	Lower	Upper
95	100		
97	36.3	44.7	83.1#
132	0.0	68.2	126.6#
130	0.0	70.9	131.7#



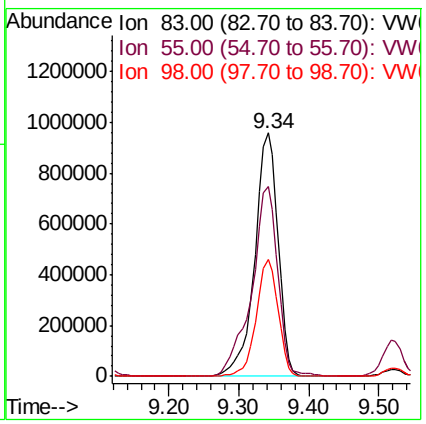


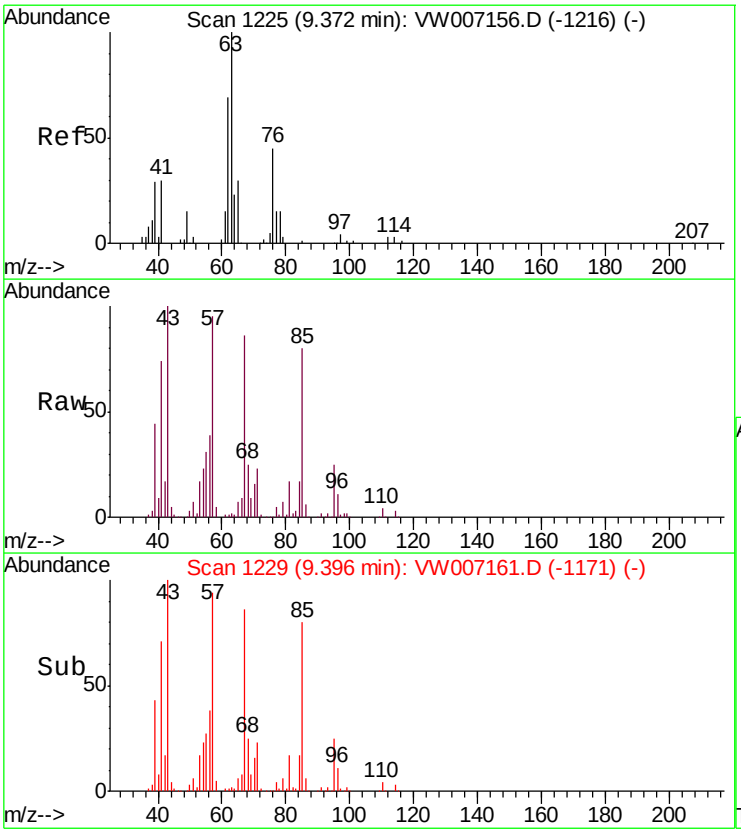
#36
Methylcyclohexane
Concen: 766.468 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument : MSVOA_W
ClientSampleId : F9Y41

Tgt Ion: 83 Resp: 2216442

Ion	Ratio	Lower	Upper
83	100		
55	86.8	60.2	90.4
98	45.2	38.8	58.2

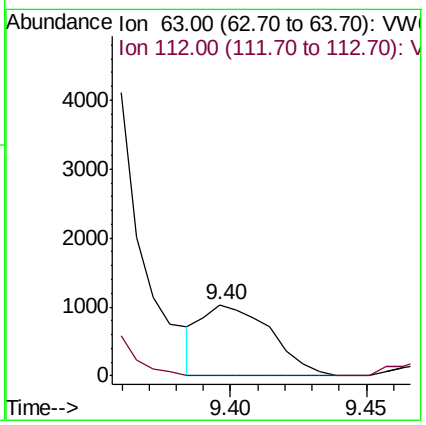


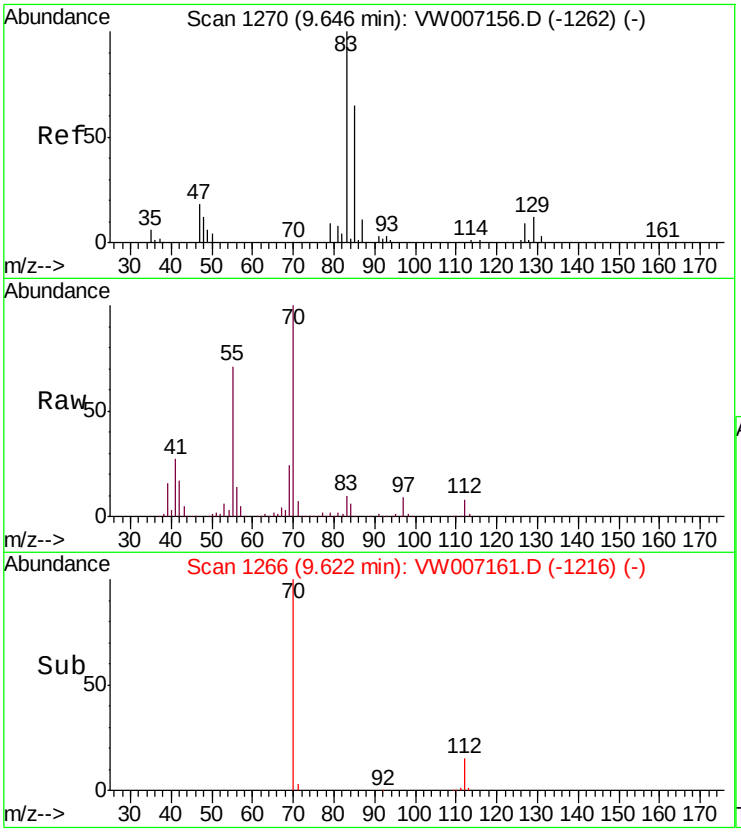


#40
1,2-Dichloropropane
Concen: 1.328 ug/L
RT: 9.40 min Scan# 1229
Delta R.T. 0.02 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion: 63 Resp: 1830

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.4	5.2#



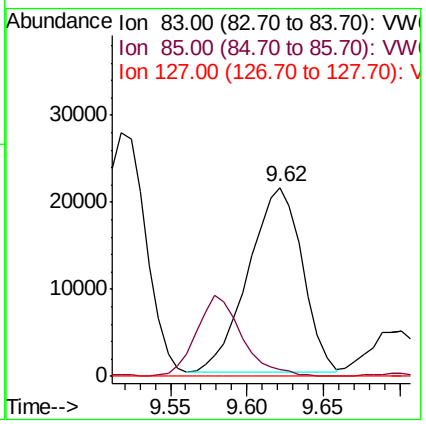


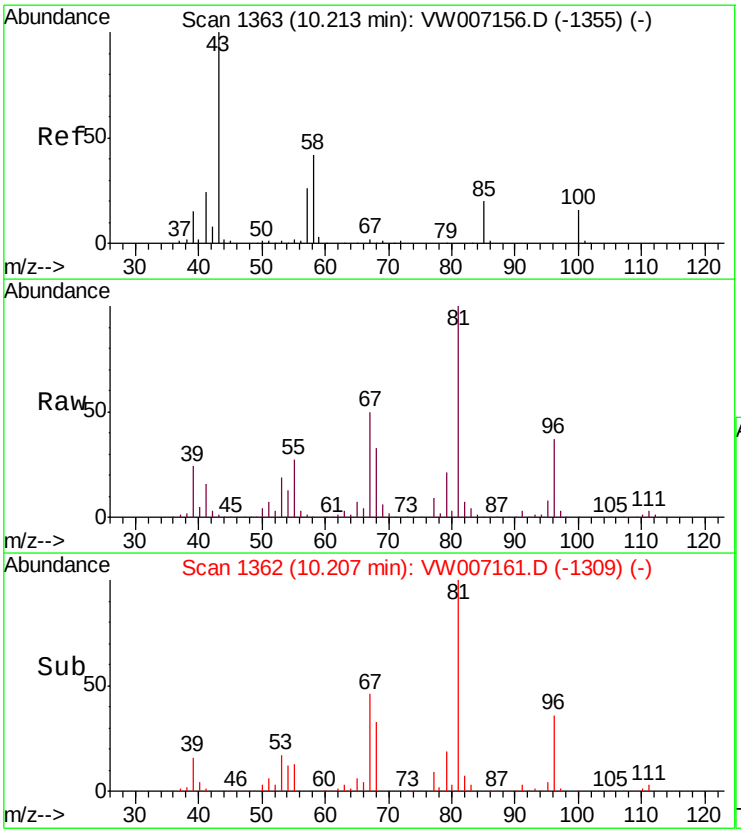
#41
Bromodichloromethane
Concen: 28.686 ug/L
RT: 9.62 min Scan# 1266
Delta R.T. -0.02 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument :
MSVOA_W
ClientSampleId :
F9Y41

Tgt Ion: 83 Resp: 51745

Ion	Ratio	Lower	Upper
83	100		
85	3.6	43.9	81.5#
127	0.0	7.1	10.7#

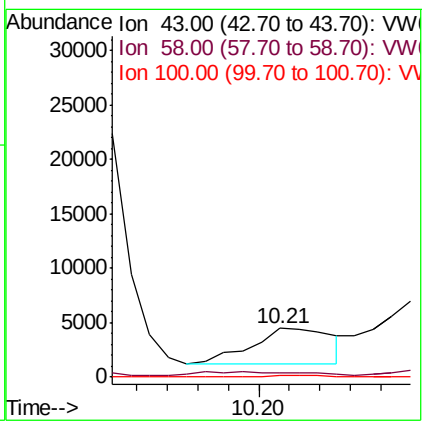


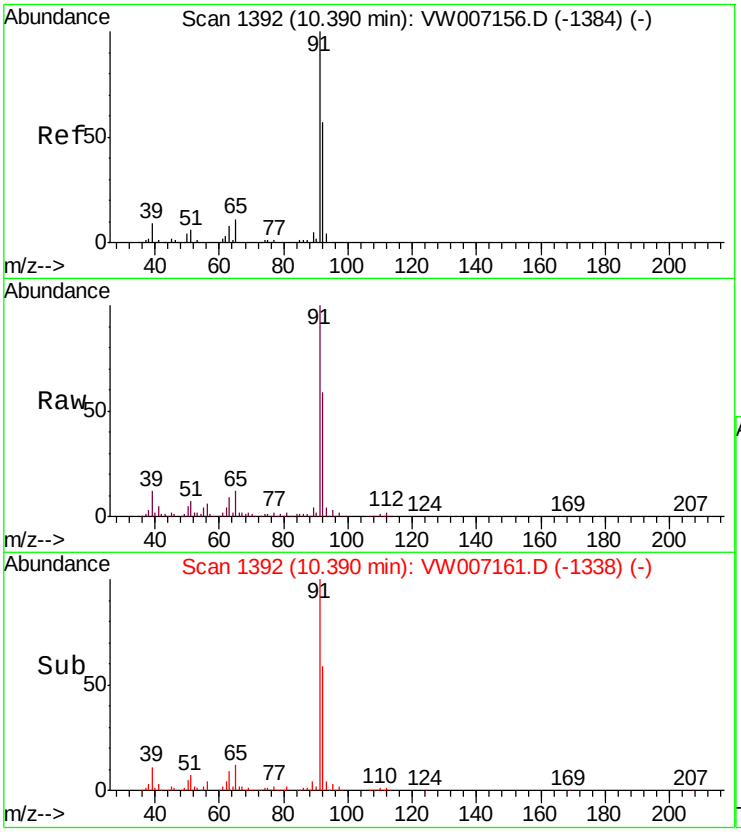


#43
4-Methyl-2-pentanone
Concen: 5.781 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion: 43 Resp: 5894

Ion	Ratio	Lower	Upper
43	100		
58	2.9	31.4	47.2#
100	2.2	13.1	19.7#



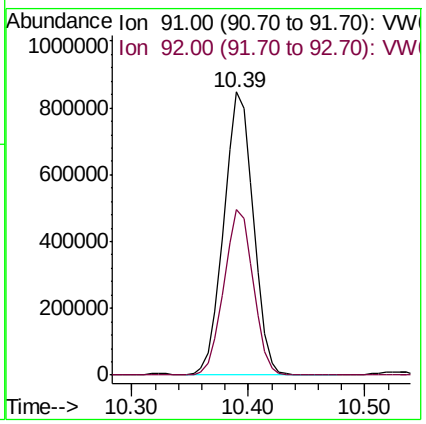


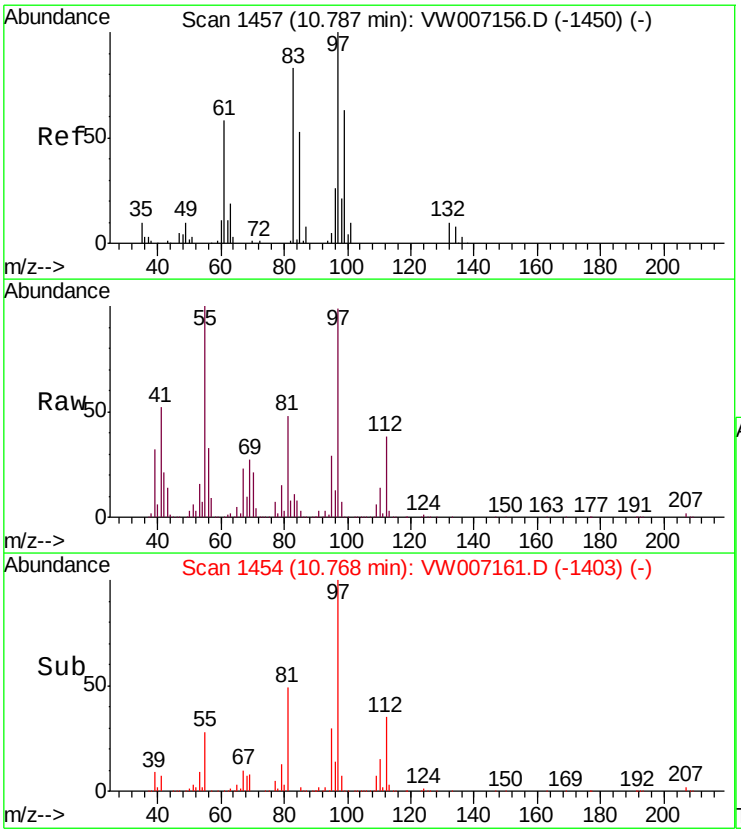
#44
Toluene
Concen: 216.150 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument :
MSVOA_W
ClientSampleId :
F9Y41

Tgt Ion: 91 Resp: 1487710

Ion	Ratio	Lower	Upper
91	100		
92	58.5	41.2	76.6

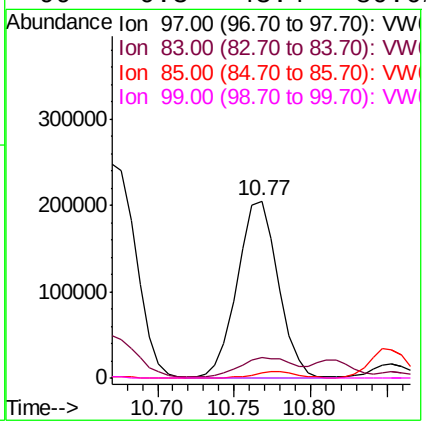


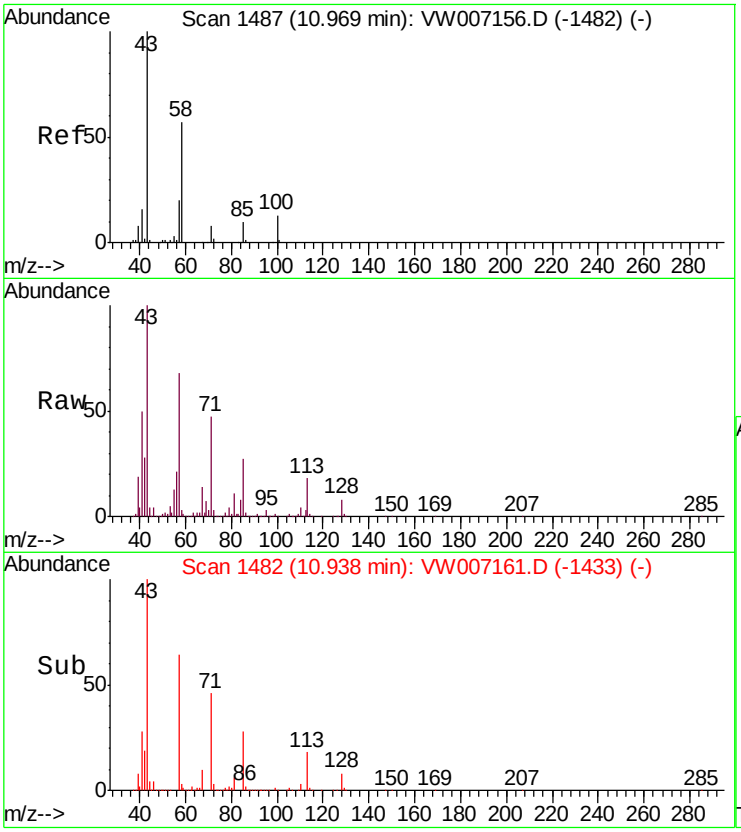


#46
1,1,2-Trichloroethane
Concen: 348.518 ug/L
RT: 10.77 min Scan# 1454
Delta R.T. -0.02 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion: 97 Resp: 378153

Ion	Ratio	Lower	Upper
97	100		
83	11.5	57.1	106.1#
85	3.1	38.6	71.8#
99	0.3	43.4	80.6#



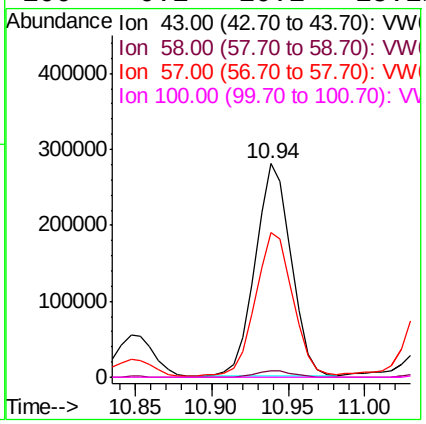


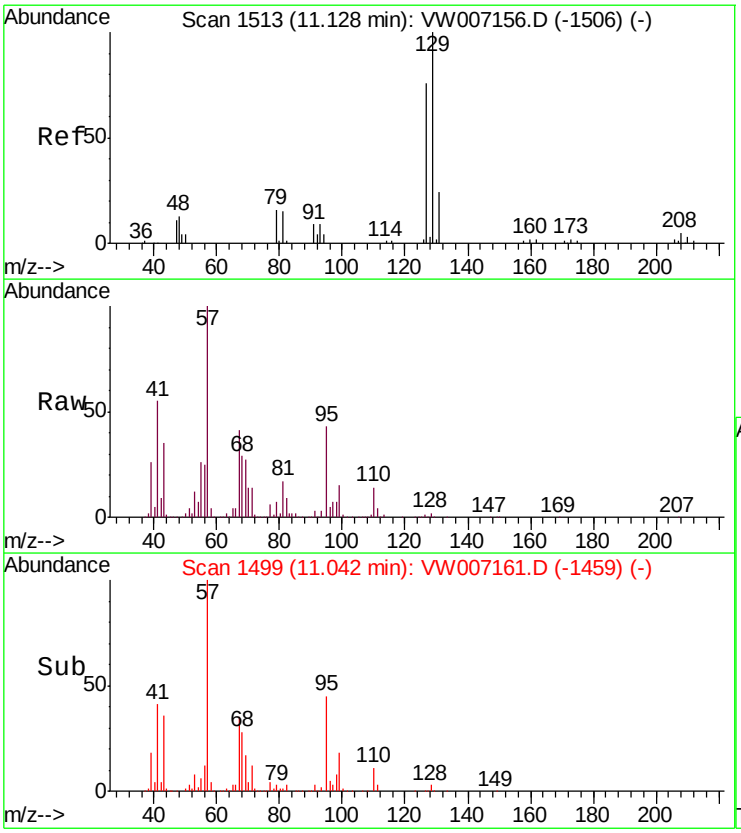
#49
2-Hexanone
Concen: 663.632 ug/L
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument : MSVOA_W
ClientSampleId : F9Y41

Tgt Ion: 43 Resp: 458002

Ion	Ratio	Lower	Upper
43	100		
58	3.4	44.2	66.2#
57	71.2	16.3	24.5#
100	0.1	10.1	15.1#

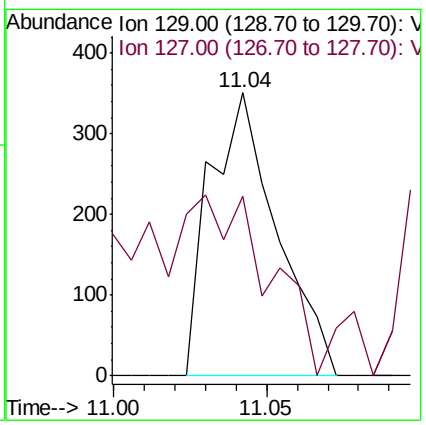


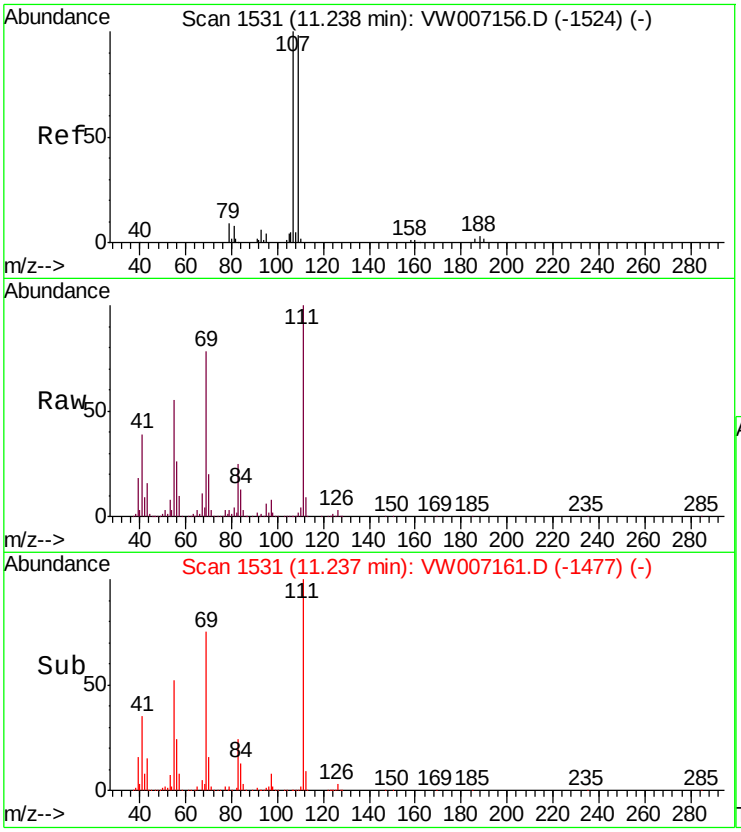


#50
Dibromochloromethane
Concen: 0.403 ug/L
RT: 11.04 min Scan# 1499
Delta R.T. -0.09 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion:129 Resp: 532

Ion	Ratio	Lower	Upper
129	100		
127	63.2	54.6	101.4



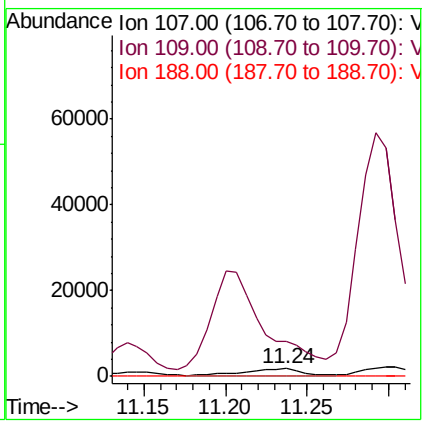


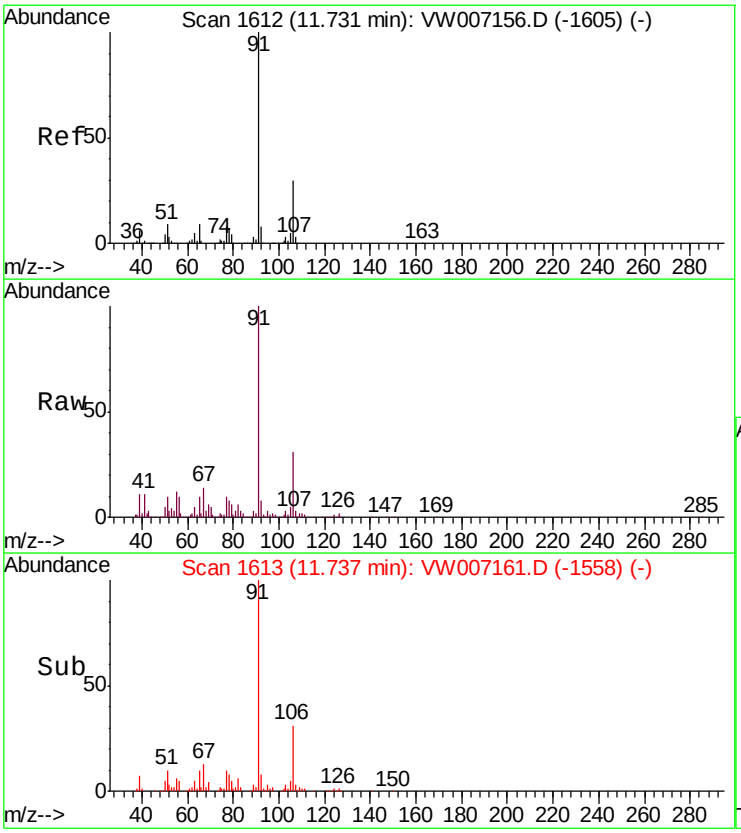
#51
1,2-Dibromoethane
Concen: 3.678 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument : MSVOA_W
ClientSampleId : F9Y41

Tgt Ion:107 Resp: 4044

Ion	Ratio	Lower	Upper
107	100		
109	468.4	66.0	122.6#
188	0.0	3.6	5.4#

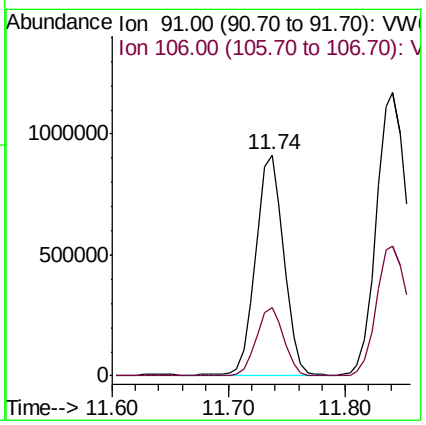


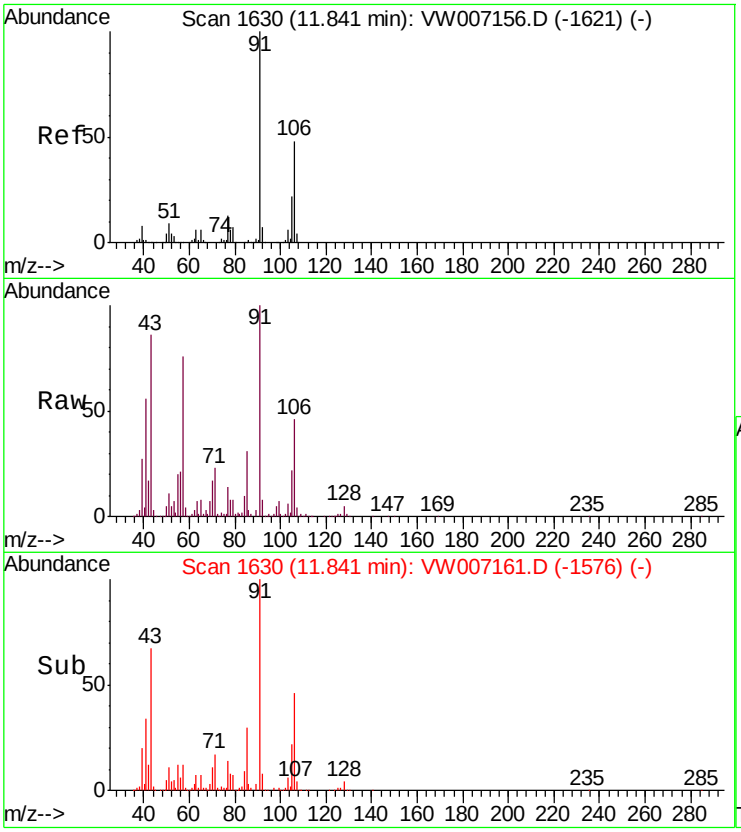


#53
Ethylbenzene
Concen: 190.227 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion: 91 Resp: 1517924

Ion	Ratio	Lower	Upper
91	100		
106	31.1	21.8	40.4



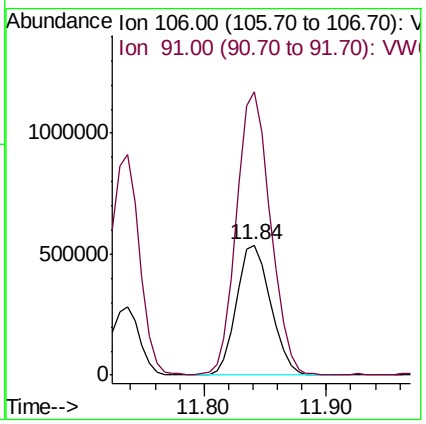


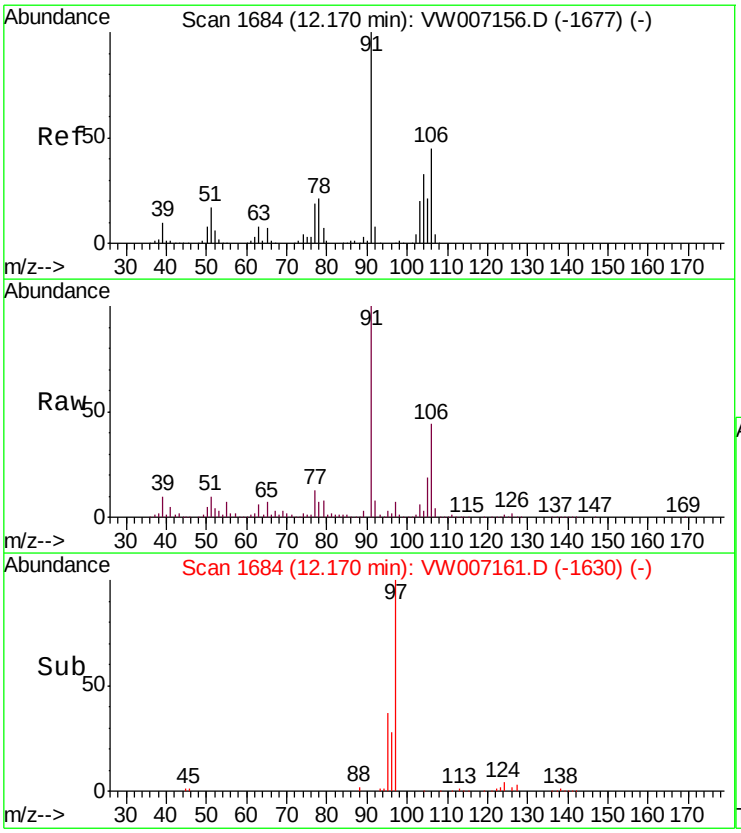
#54
m,p-Xylene
Concen: 333.218 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument :
MSVOA_W
ClientSampleId :
F9Y41

Tgt Ion:106 Resp: 1037485

Ion	Ratio	Lower	Upper
106	100		
91	217.6	140.7	261.3

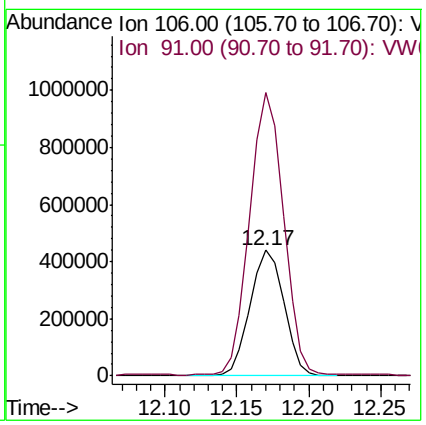


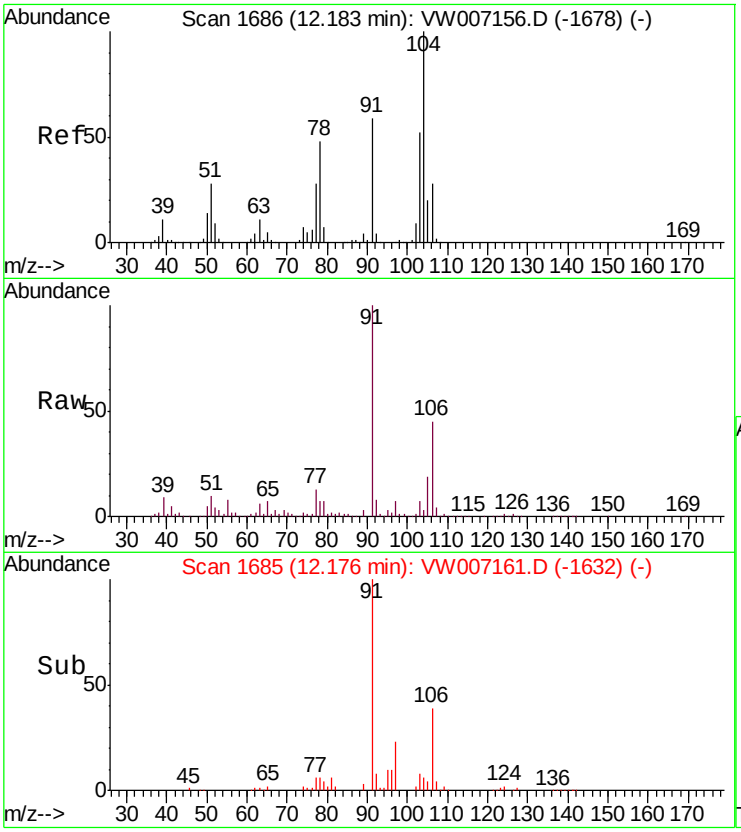


#55
o-xylene
Concen: 248.773 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion:106 Resp: 718295

Ion	Ratio	Lower	Upper
106	100		
91	225.1	149.0	276.8



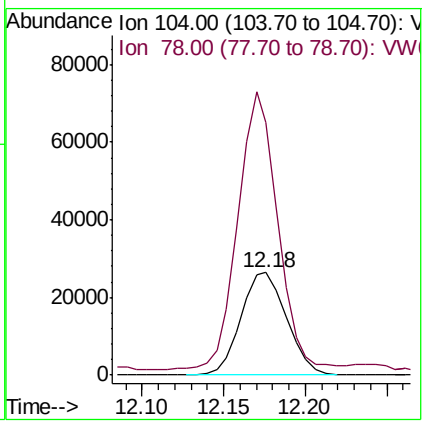


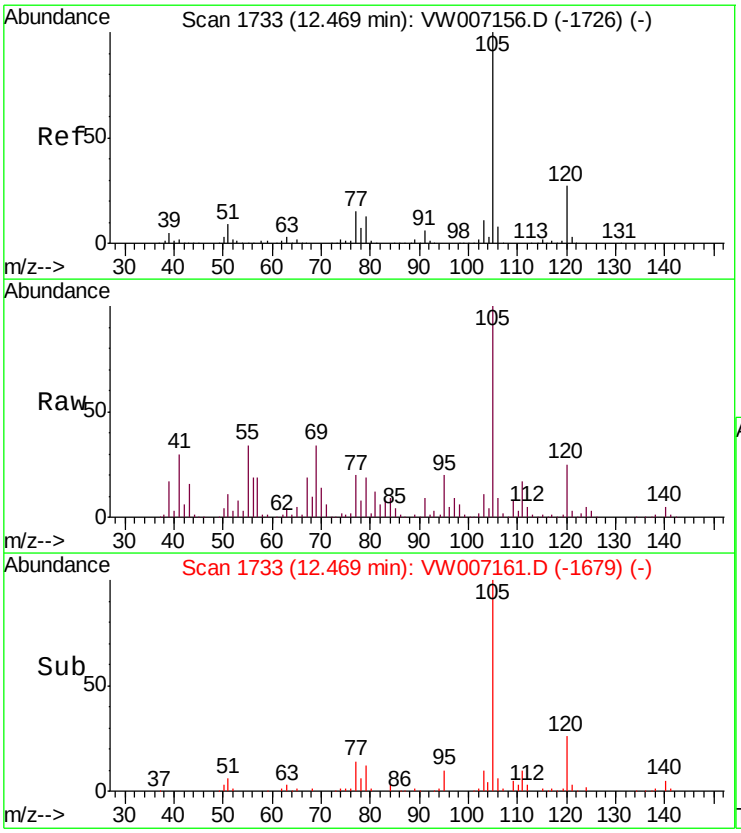
#56
Styrene
Concen: 10.454 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument : MSVOA_W
ClientSampleId : F9Y41

Tgt Ion:104 Resp: 51045

Ion	Ratio	Lower	Upper
104	100		
78	245.9	34.6	64.2#

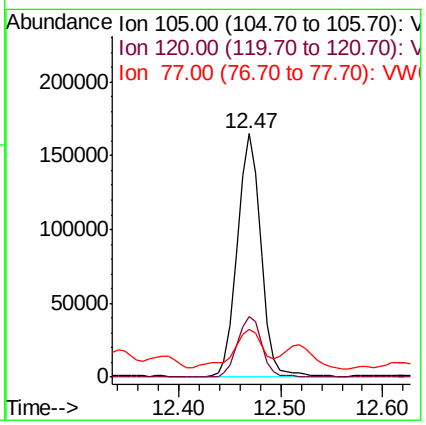


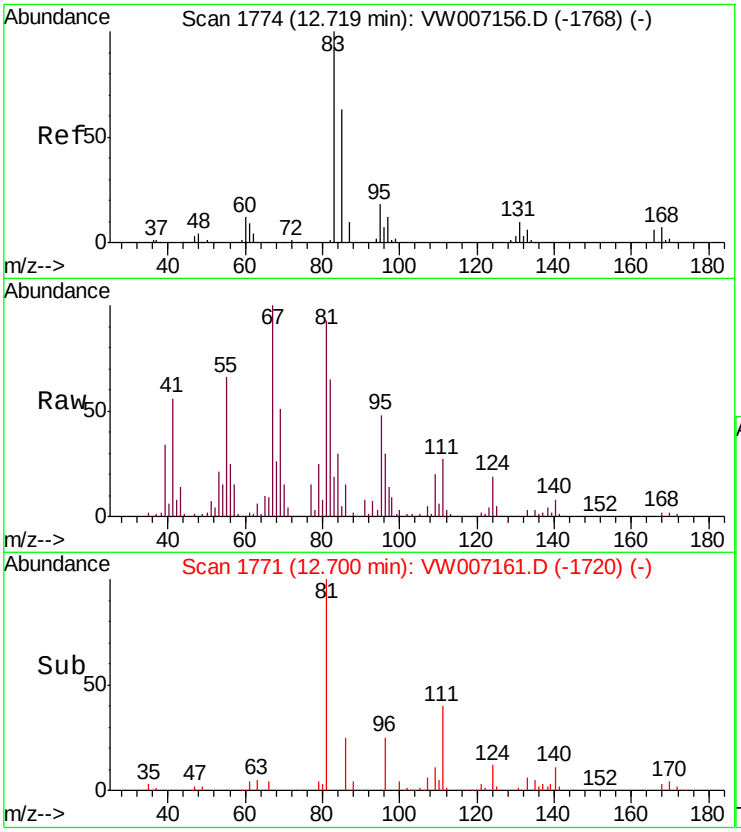


#57
Isopropylbenzene
Concen: 32.516 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion:105 Resp: 261066

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.8	31.2
77	16.0	12.0	18.0



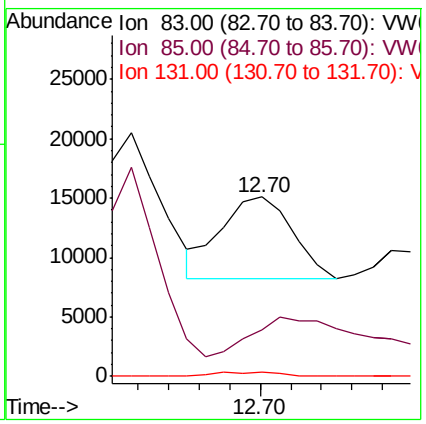


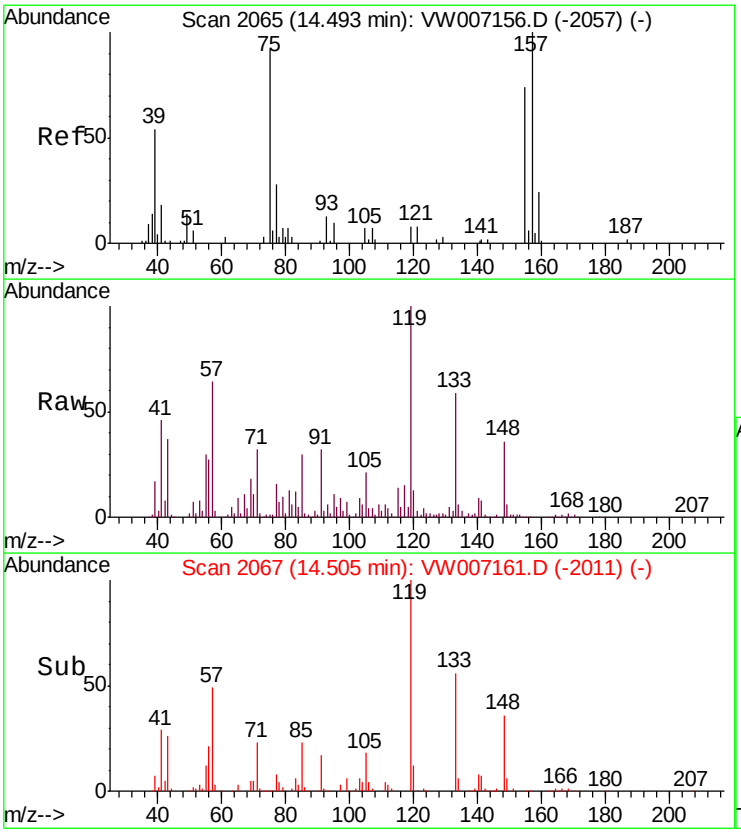
#58
1,1,2,2-Tetrachloroethane
Concen: 8.174 ug/L
RT: 12.70 min Scan# 1771
Delta R.T. -0.02 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument : MSVOA_W
ClientSampleId : F9Y41

Tgt Ion: 83 Resp: 11270

Ion	Ratio	Lower	Upper
83	100		
85	26.0	47.8	88.8#
131	2.2	8.2	12.2#

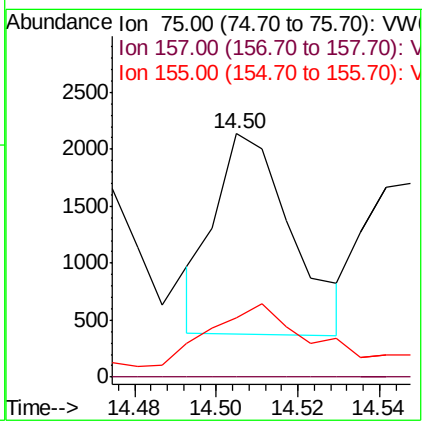


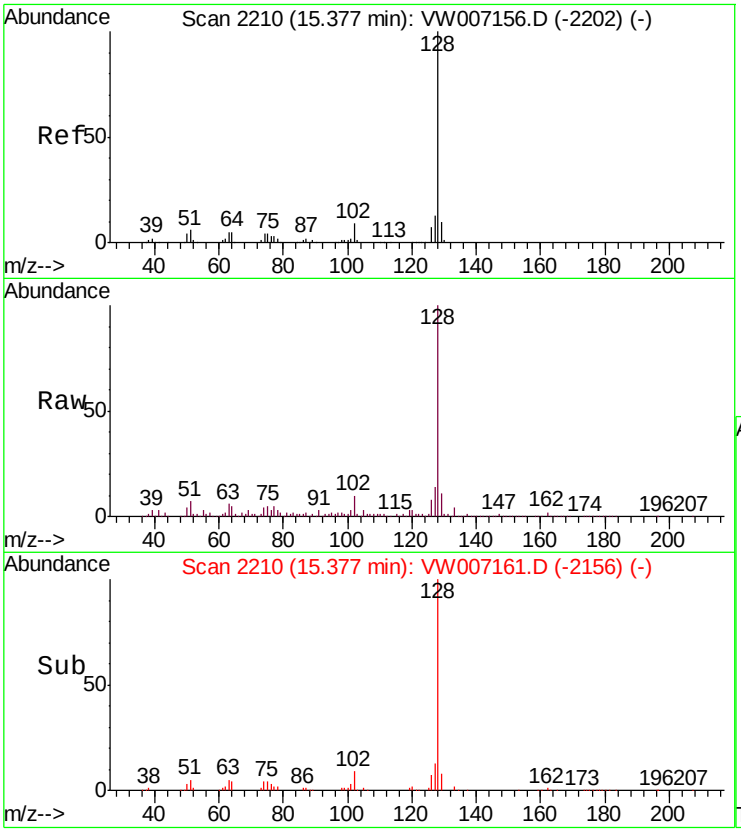


#66
1,2-Dibromo-3-chloropropane
Concen: 8.447 ug/L
RT: 14.50 min Scan# 2067
Delta R.T. 0.01 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion: 75 Resp: 2296

Ion	Ratio	Lower	Upper
75	100		
157	0.0	86.4	129.6#
155	24.5	58.3	87.5#



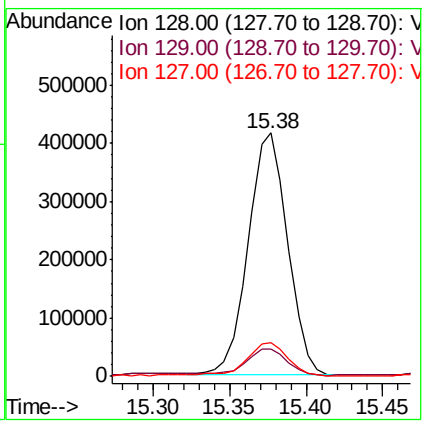


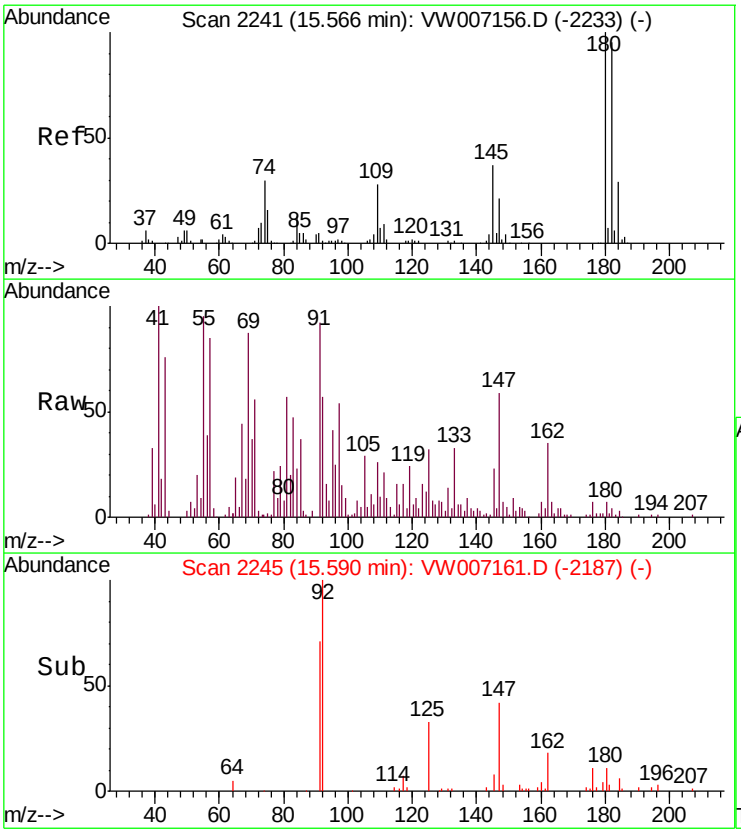
#69
Naphthalene
Concen: 149.328 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Instrument : MSVOA_W
ClientSampleId : F9Y41

Tgt Ion:128 Resp: 743550

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.7	13.1
127	14.0	10.9	16.3





#70
1,2,3-Trichlorobenzene
Concen: 0.727 ug/L
RT: 15.59 min Scan# 2245
Delta R.T. 0.02 min
Lab File: VW007161.D
Acq: 03 Dec 2018 13:11

Tgt Ion:180 Resp: 1484

Ion	Ratio	Lower	Upper
180	100		
182	10.7	75.0	112.4#
145	0.0	28.2	42.4#