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

Quantitation Report (Not Reviewed)

Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y04

Quant Time: Dec 04 03:17:54 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	8.84	114	147171	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	131262	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	95914	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	25592	20.44	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.76%			
7) Chloroethane-d5	2.89	69	20398	22.72	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.88%			
10) 1,1-Dichloroethene-d2	4.02	63	59854	18.35	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 73.40%			
20) 2-Butanone-d5	7.08	46	19785	39.02	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 78.04%			
24) Chloroform-d	7.65	84	75517	24.50	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.00%			
26) 1,2-Dichloroethane-d4	8.31	65	42681	23.92	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.68%			
29) Benzene-d6	8.28	84	145780	23.37	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 93.48%			
33) 1,2-Dichloropropane-d6	9.35	67	725653	406.10	ug/L	0.07
Spiked Amount 25.000	Range 70 - 120		Recovery = 1624.40%#			
37) Toluene-d8	10.33	98	537092	81.42	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 325.68%#			
38) trans-1,3-Dichloropropene-	10.58	79	21041	24.09	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 96.36%			
39) 2-Hexanone-d5	10.93	63	23277	55.58	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 111.16%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	87946	54.02	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 216.08%#			
61) 1,2-Dichlorobenzene-d4	13.87	152	72532	20.15	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 80.60%			

Target Compounds						Qvalue
8) Chloroethane	3.03	64	761	0.840	ug/L	92
13) Acetone	4.10	43	29002	81.645	ug/L	59
15) Methyl Acetate	4.90	43	245645	278.886	ug/L #	51
16) Methylene chloride	4.92	84	4582	1.947	ug/L #	39
21) 2-Butanone	7.17	43	15199	27.872	ug/L #	50
25) Chloroform	7.68	83	5133	1.579	ug/L #	1
27) 1,2-Dichloroethane	8.44	62	13648	6.328	ug/L #	1
30) Cyclohexane	7.96	56	2722473	951.566	ug/L	98
36) Methylcyclohexane	9.35	83	8290519	2421.098	ug/L #	83
40) 1,2-Dichloropropane	9.35	63	113206	69.386	ug/L #	1
41) Bromodichloromethane	9.62	83	158467	74.187	ug/L #	37
43) 4-Methyl-2-pentanone	10.22	43	58486	48.444	ug/L #	46
44) Toluene	10.37	91	9486	1.164	ug/L #	42
46) 1,1,2-Trichloroethane	10.77	97	1533709	1193.694	ug/L #	22
49) 2-Hexanone	10.94	43	2780122	3401.862	ug/L #	25
50) Dibromochloromethane	11.05	129	4162	2.659	ug/L #	58
51) 1,2-Dibromoethane	11.24	107	3221	2.474	ug/L #	1

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

Quantitation Report (Not Reviewed)

Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y04

Quant Time: Dec 04 03:17:54 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)
52) Chlorobenzene	11.68	112	8491	1.580	ug/L	#	1
53) Ethylbenzene	11.73	91	21433	2.268	ug/L	#	58
54) m,p-Xylene	11.84	106	1045	0.283	ug/L	#	1
57) Isopropylbenzene	12.47	105	1578261	166.003	ug/L		97
58) 1,1,2,2-Tetrachloroethane	12.70	83	297706	182.338	ug/L	#	49
66) 1,2-Dibromo-3-chloropropan	14.51	75	5006	10.688	ug/L	#	17
68) 1,2,4-trichlorobenzene	15.15	180	5757	1.429	ug/L	#	1
69) Naphthalene	15.38	128	613783	71.537	ug/L	#	96
70) 1,2,3-Trichlorobenzene	15.59	180	8772	2.495	ug/L	#	1

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

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

Quantitation Report (Not Reviewed)

Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
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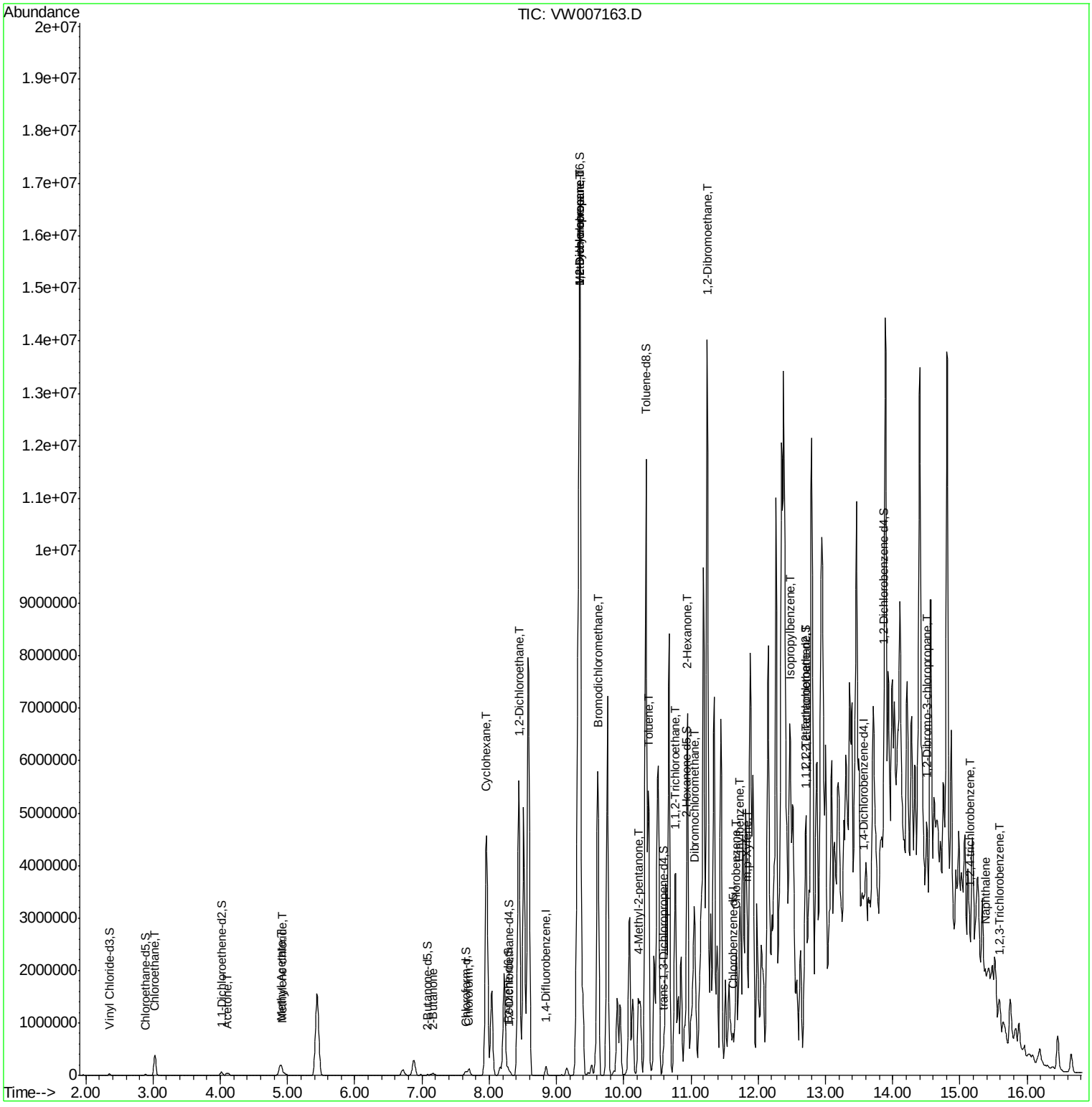
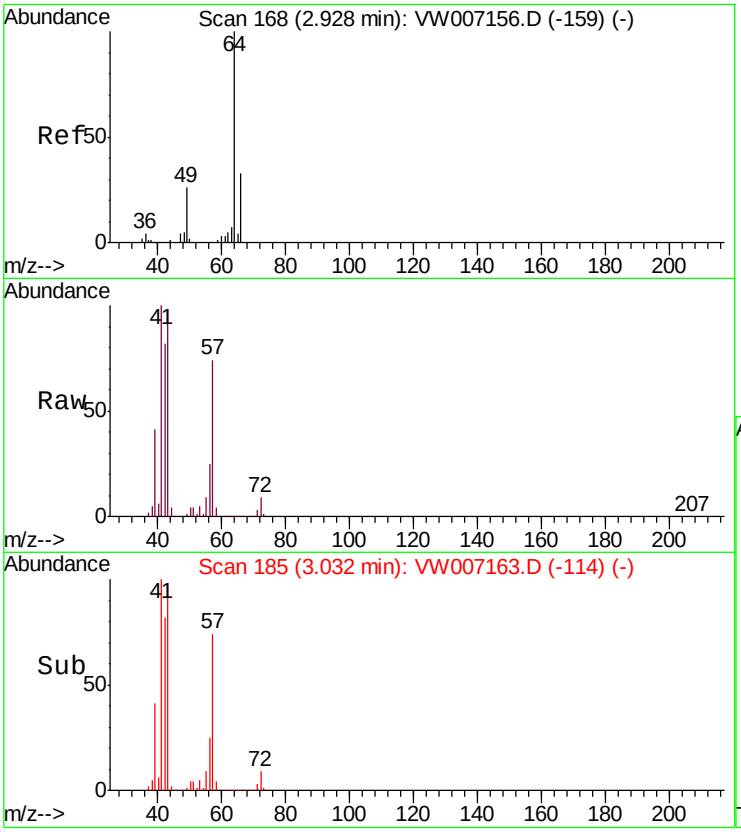
Quant Time: Dec 04 03:17:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 04 03:14:20 2018
Response via : Initial Calibration



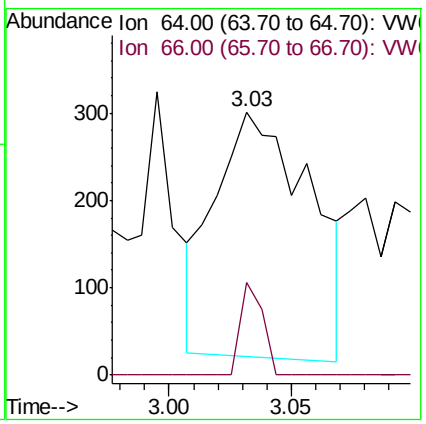


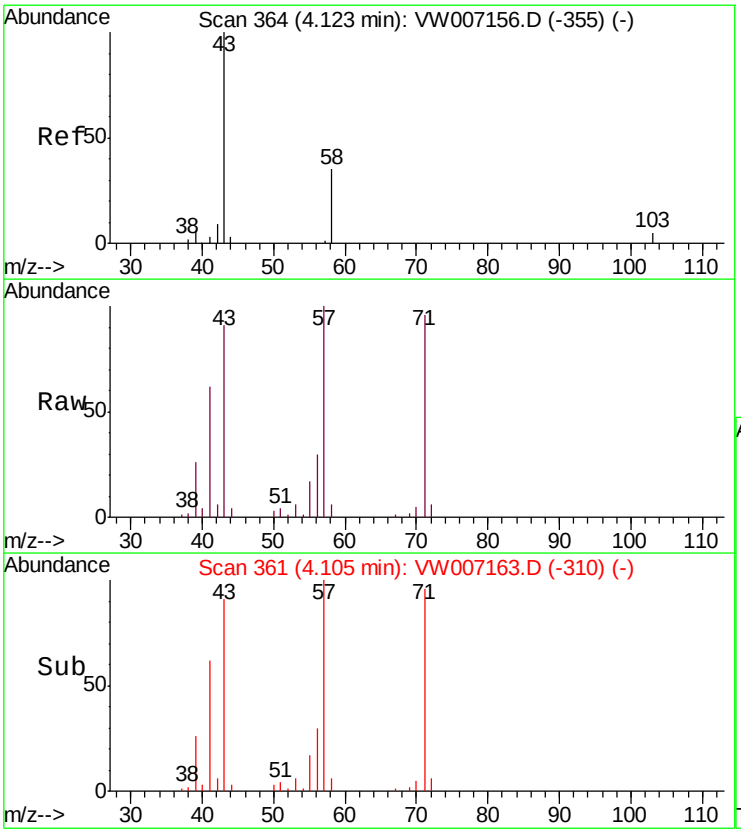
#8
Chloroethane
Concen: 0.840 ug/L
RT: 3.03 min Scan# 185
Delta R.T. 0.10 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion: 64 Resp: 761

Ion	Ratio	Lower	Upper
64	100		
66	35.2	21.4	39.8

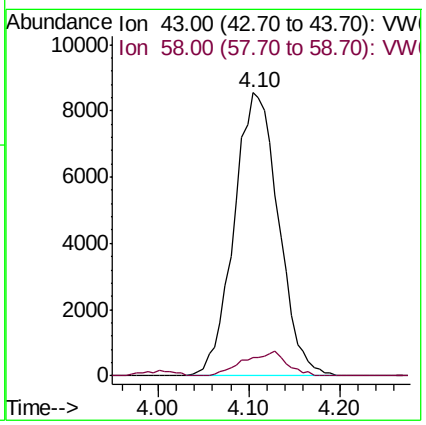


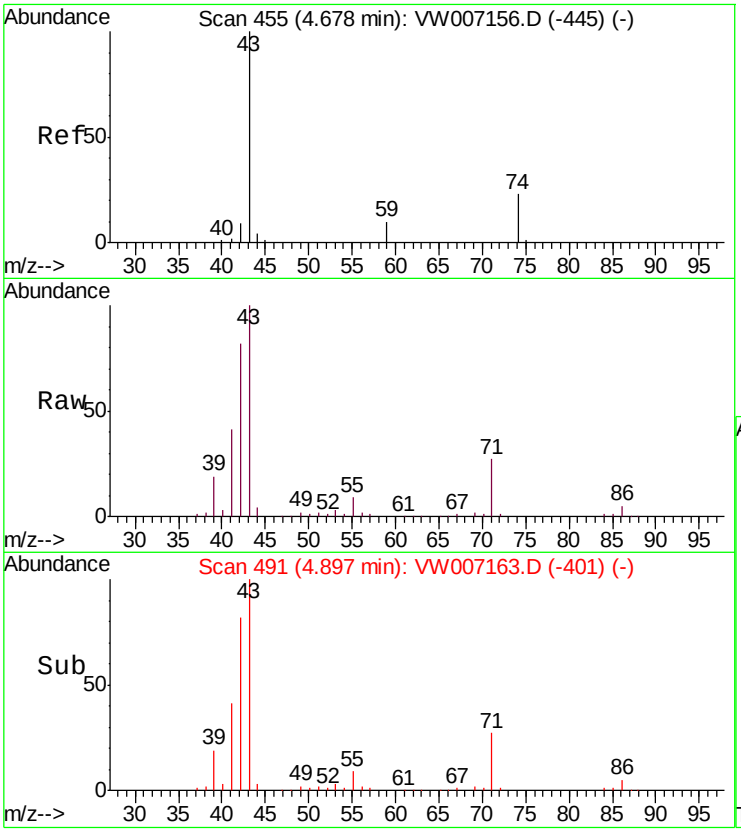


#13
Acetone
Concen: 81.645 ug/L
RT: 4.10 min Scan# 361
Delta R.T. -0.02 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion: 43 Resp: 29002

Ion	Ratio	Lower	Upper
43	100		
58	8.4	0.0	62.4



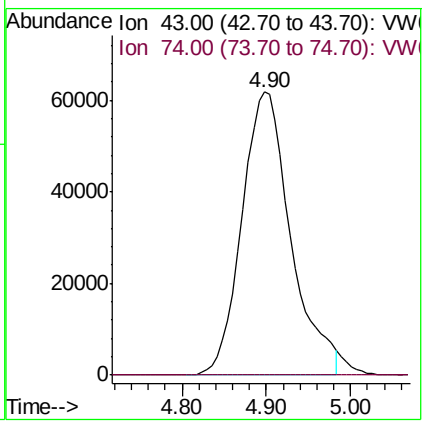


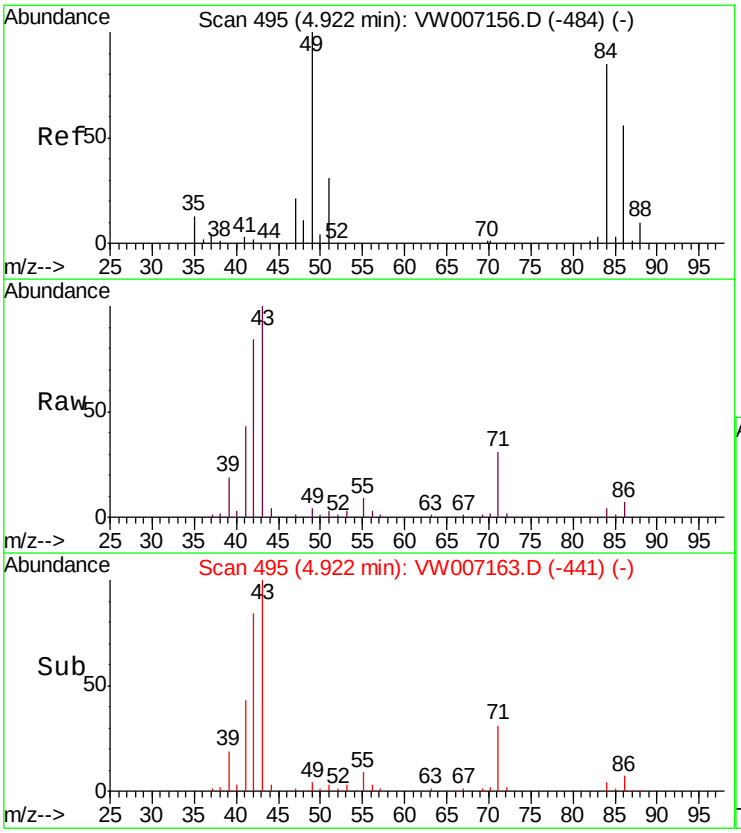
#15
Methyl Acetate
Concen: 278.886 ug/L
RT: 4.90 min Scan# 491
Delta R.T. 0.22 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion: 43 Resp: 245645

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.3	28.9#

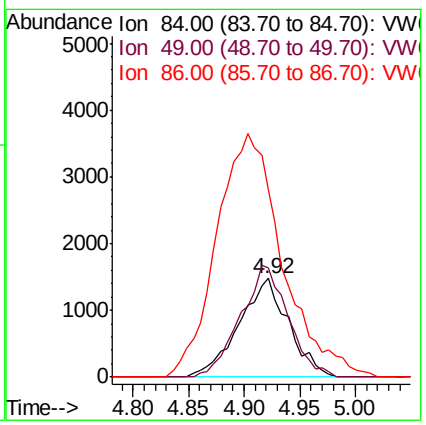


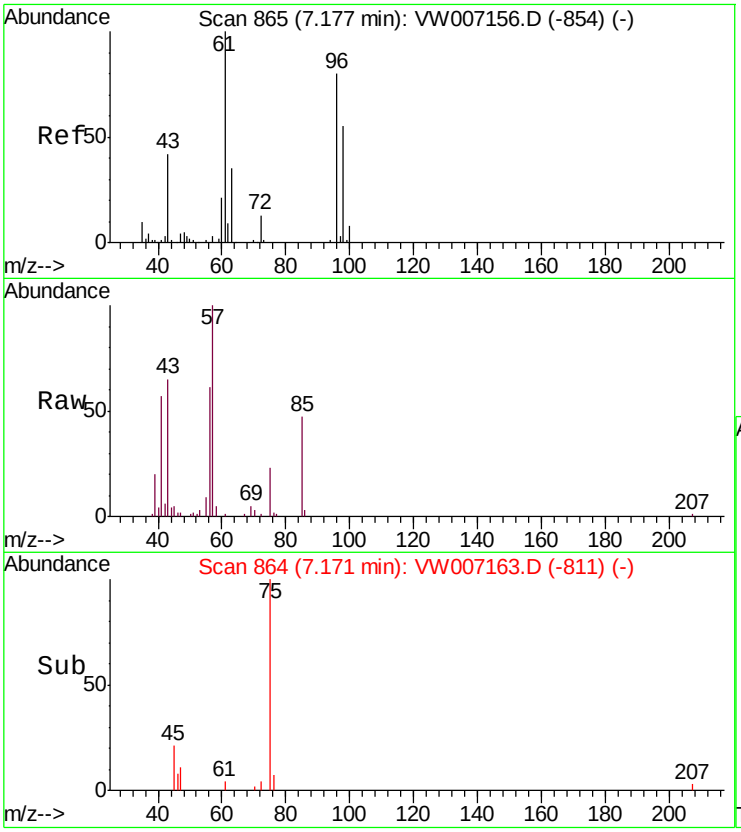


#16
Methylene chloride
Concen: 1.947 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion: 84 Resp: 4582

Ion	Ratio	Lower	Upper
84	100		
49	110.0	80.9	150.3
86	189.0	42.8	79.6#



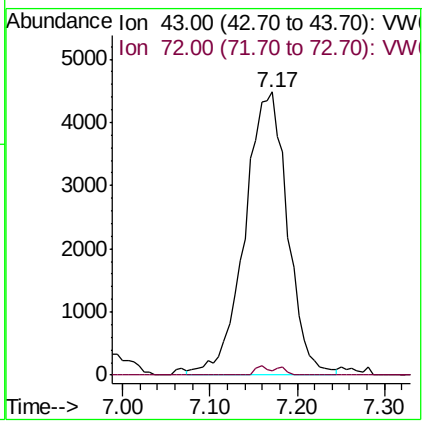


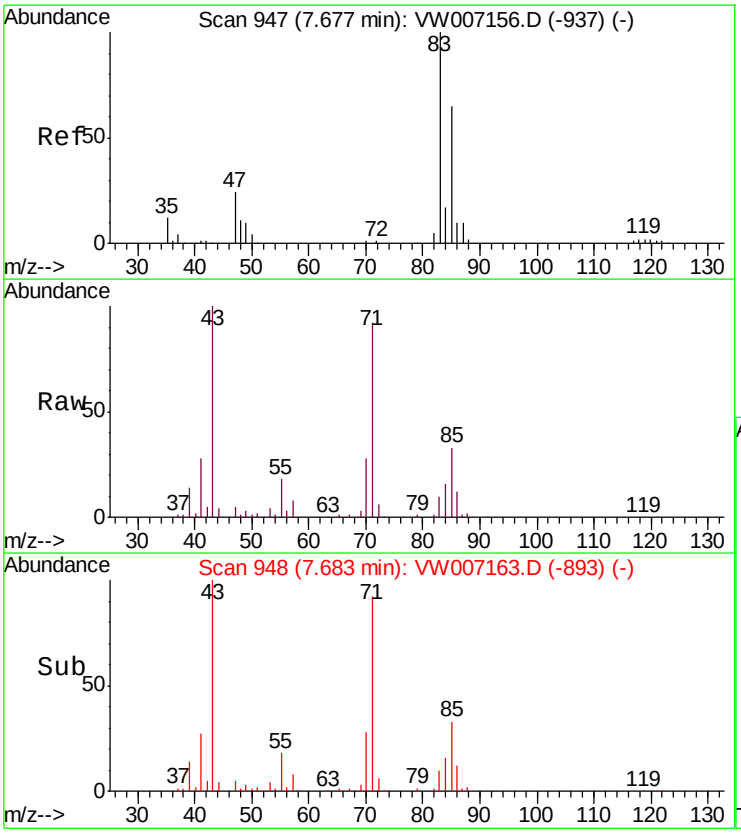
#21
2-Butanone
Concen: 27.872 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion: 43 Resp: 15199

Ion	Ratio	Lower	Upper
43	100		
72	1.0	13.5	40.5#

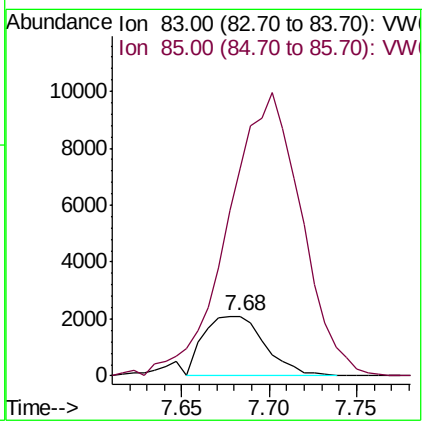


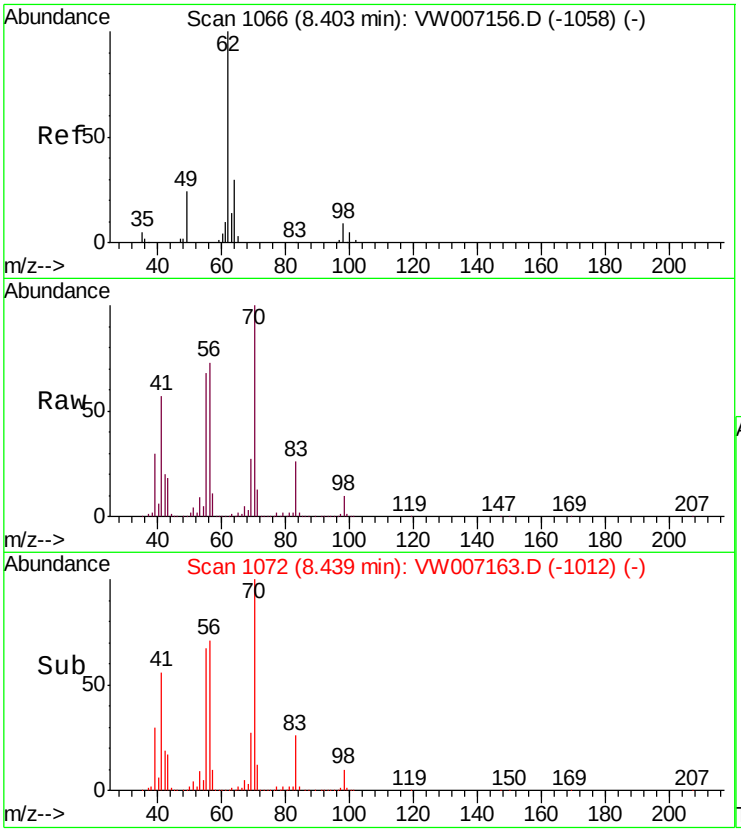


#25
Chloroform
Concen: 1.579 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion: 83 Resp: 5133

Ion	Ratio	Lower	Upper
83	100		
85	565.6	46.1	85.7#



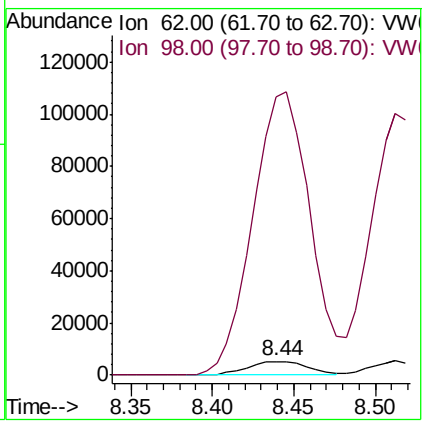


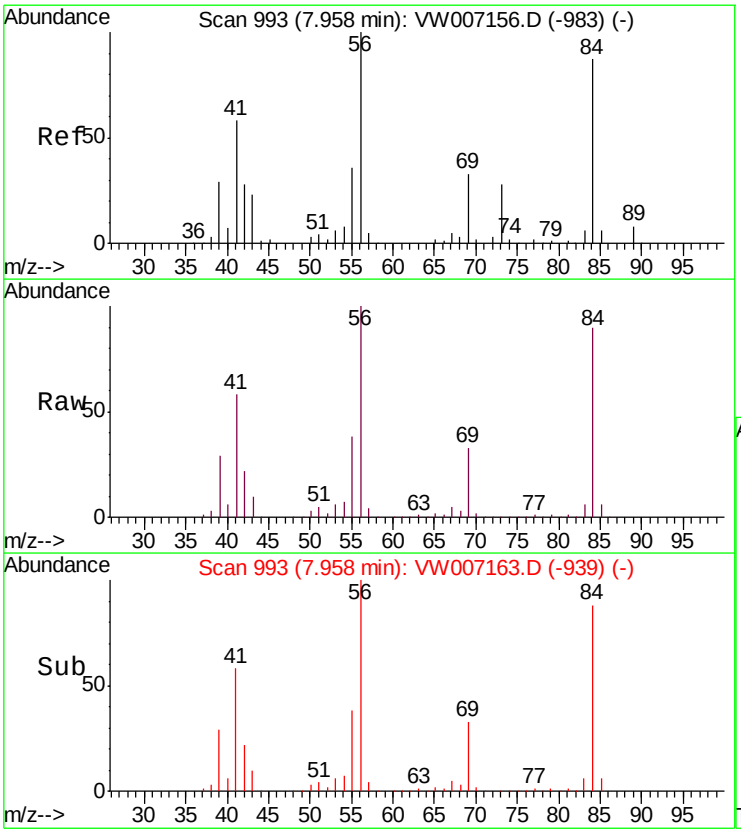
#27
1,2-Dichloroethane
Concen: 6.328 ug/L
RT: 8.44 min Scan# 1072
Delta R.T. 0.04 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion: 62 Resp: 13648

Ion	Ratio	Lower	Upper
62	100		
98	1996.0	7.4	11.2#

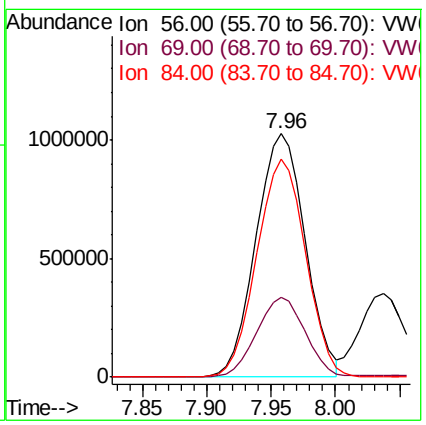


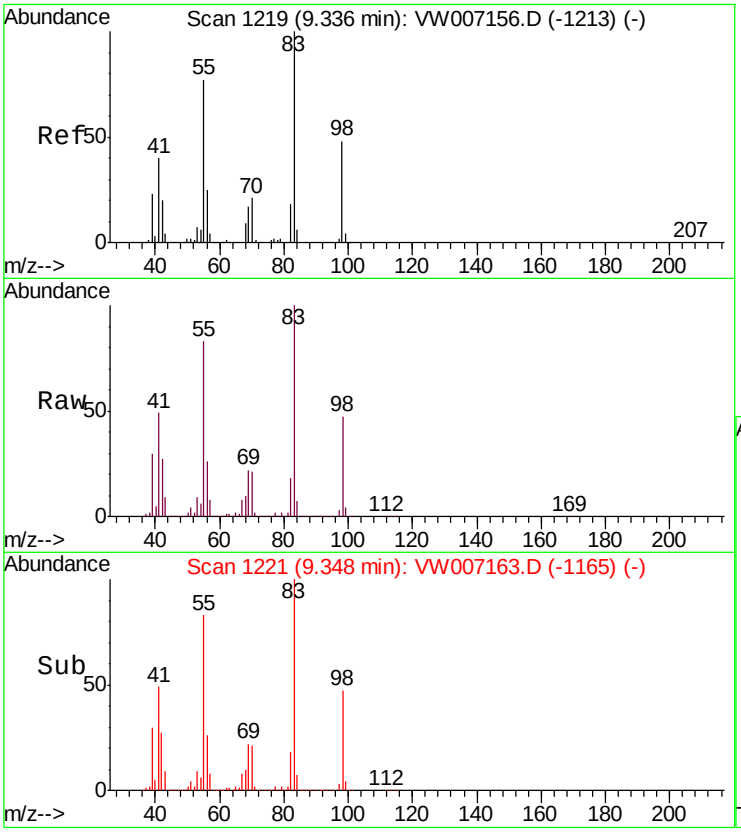


#30
Cyclohexane
Concen: 951.566 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion: 56 Resp: 2722473

Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.1	39.1
84	89.0	73.0	109.4



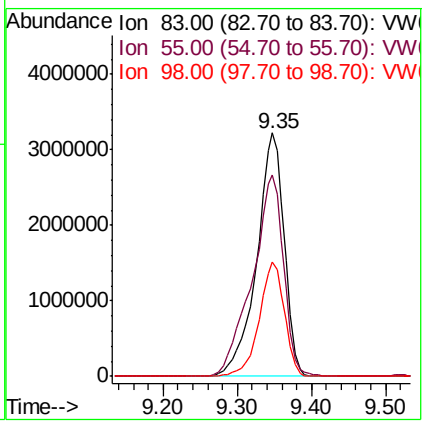


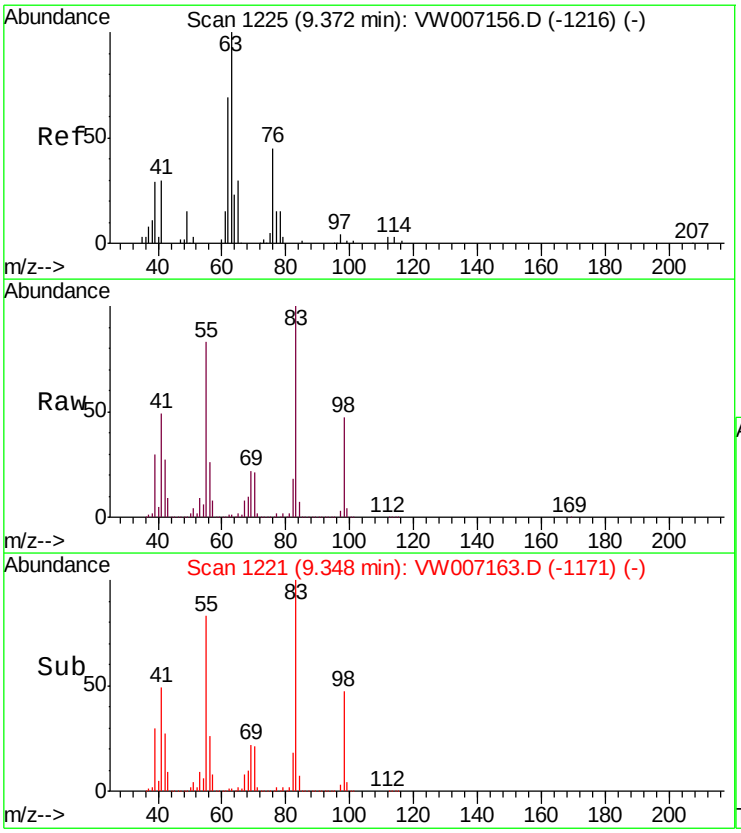
#36
Methylcyclohexane
Concen: 2421.098 ug/L
RT: 9.35 min Scan# 1221
Delta R.T. 0.01 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion: 83 Resp: 8290519

Ion	Ratio	Lower	Upper
83	100		
55	94.7	60.2	90.4#
98	43.2	38.8	58.2

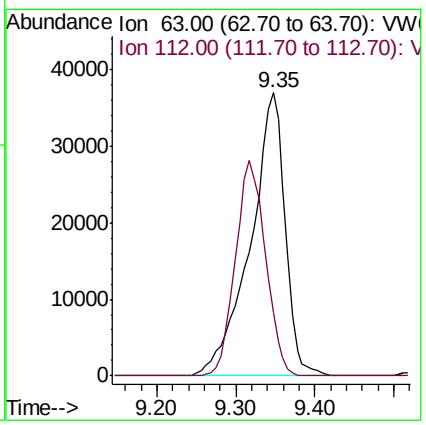


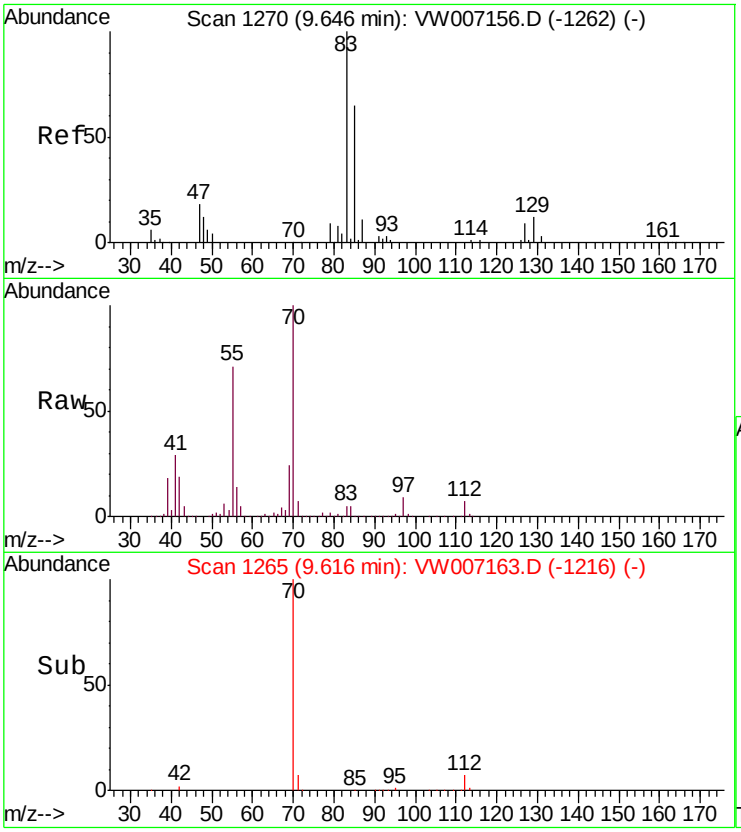


#40
1,2-Dichloropropane
Concen: 69.386 ug/L
RT: 9.35 min Scan# 1221
Delta R.T. -0.02 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion: 63 Resp: 113206

Ion	Ratio	Lower	Upper
63	100		
112	66.1	3.4	5.2#



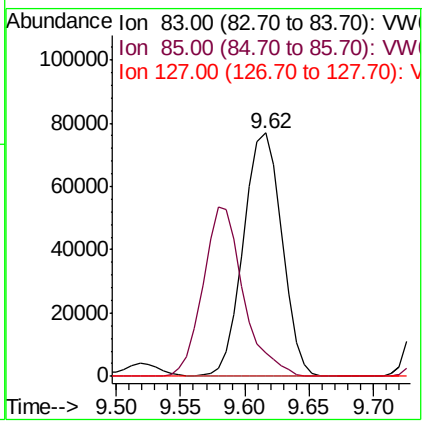


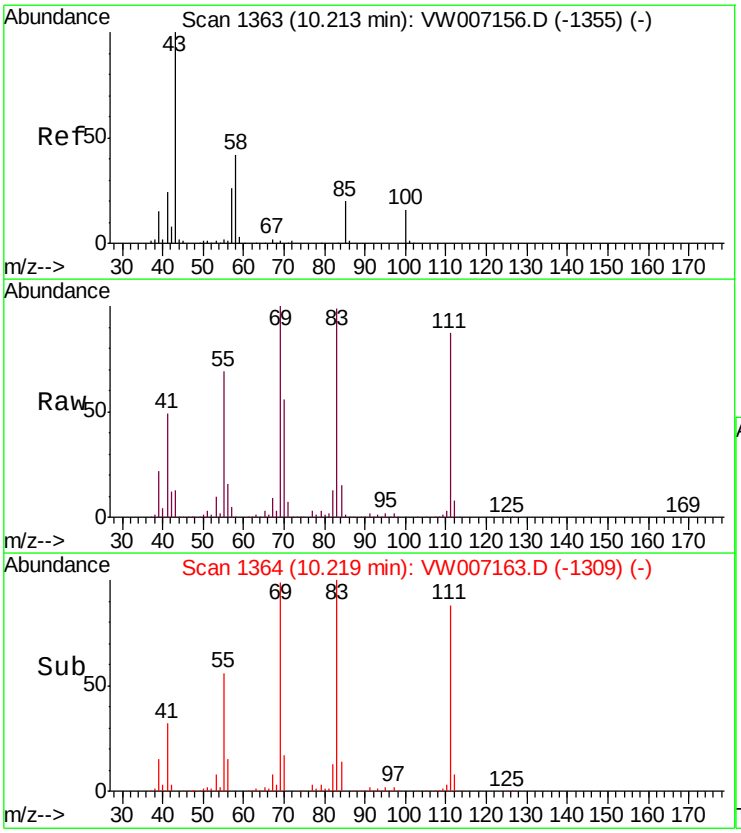
#41
Bromodichloromethane
Concen: 74.187 ug/L
RT: 9.62 min Scan# 1265
Delta R.T. -0.03 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

Tgt Ion: 83 Resp: 158467

Ion	Ratio	Lower	Upper
83	100		
85	9.6	43.9	81.5#
127	0.0	7.1	10.7#

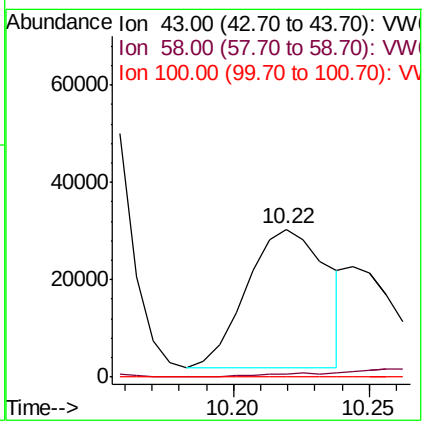


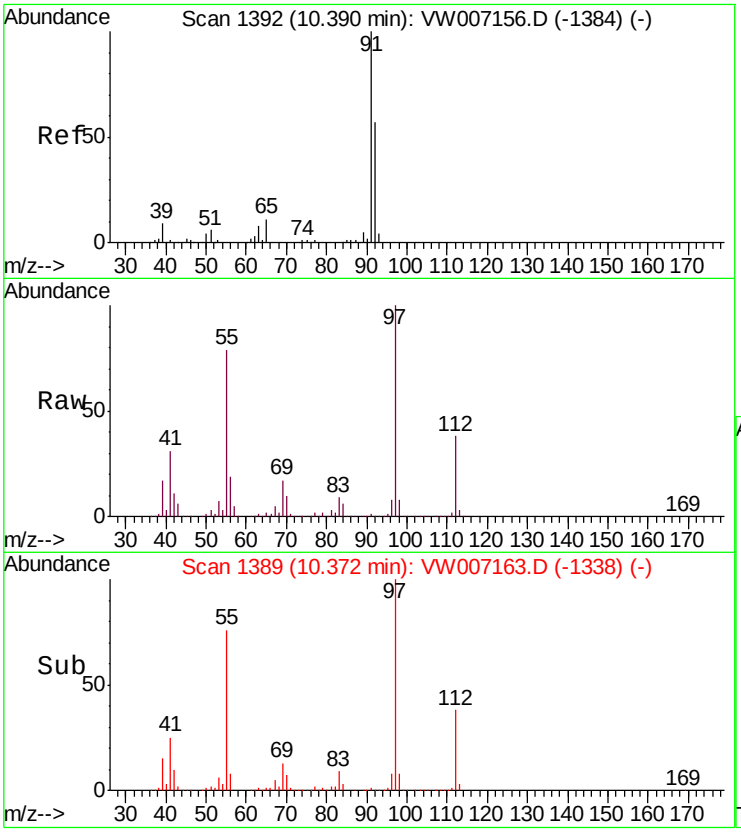


#43
4-Methyl-2-pentanone
Concen: 48.444 ug/L
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion: 43 Resp: 58486

Ion	Ratio	Lower	Upper
43	100		
58	2.2	31.4	47.2#
100	0.2	13.1	19.7#



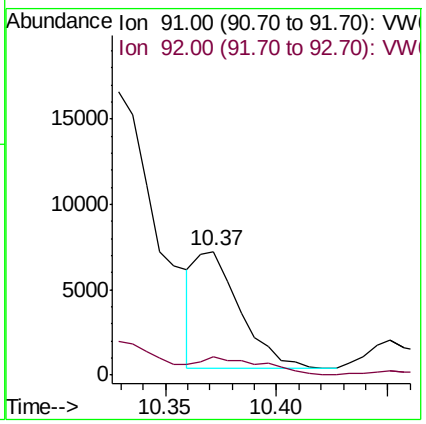


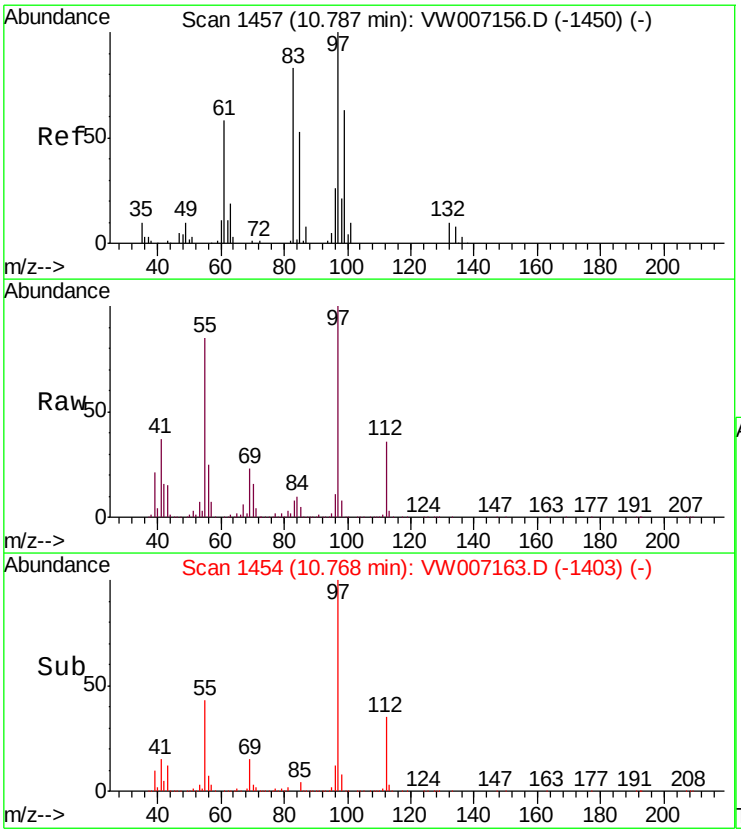
#44
Toluene
Concen: 1.164 ug/L
RT: 10.37 min Scan# 1389
Delta R.T. -0.02 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion: 91 Resp: 9486

Ion	Ratio	Lower	Upper
91	100		
92	15.2	41.2	76.6#

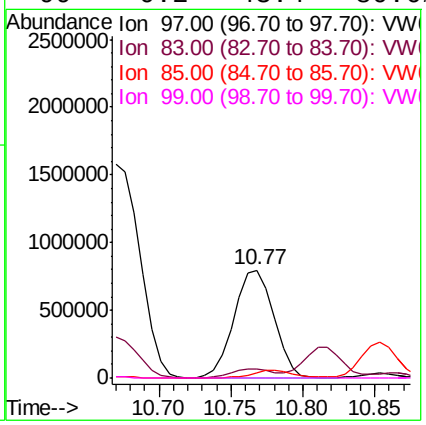


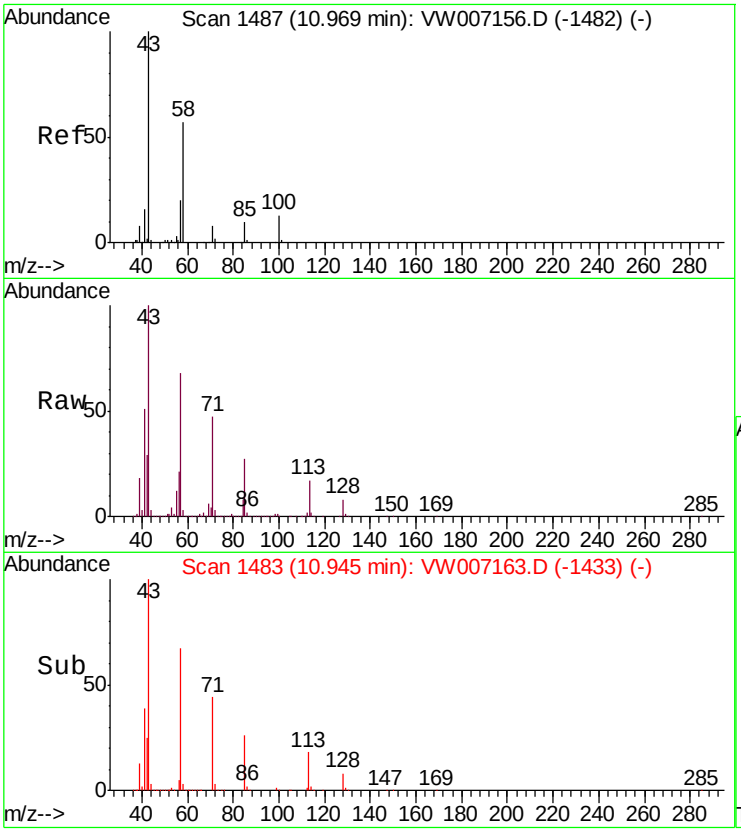


#46
1,1,2-Trichloroethane
Concen: 1193.694 ug/L
RT: 10.77 min Scan# 1454
Delta R.T. -0.02 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion: 97 Resp: 1533709

Ion	Ratio	Lower	Upper
97	100		
83	8.5	57.1	106.1#
85	5.0	38.6	71.8#
99	0.2	43.4	80.6#



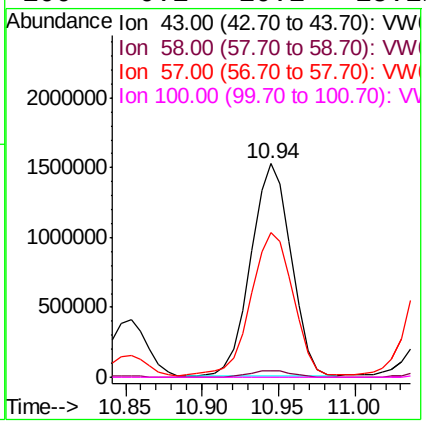


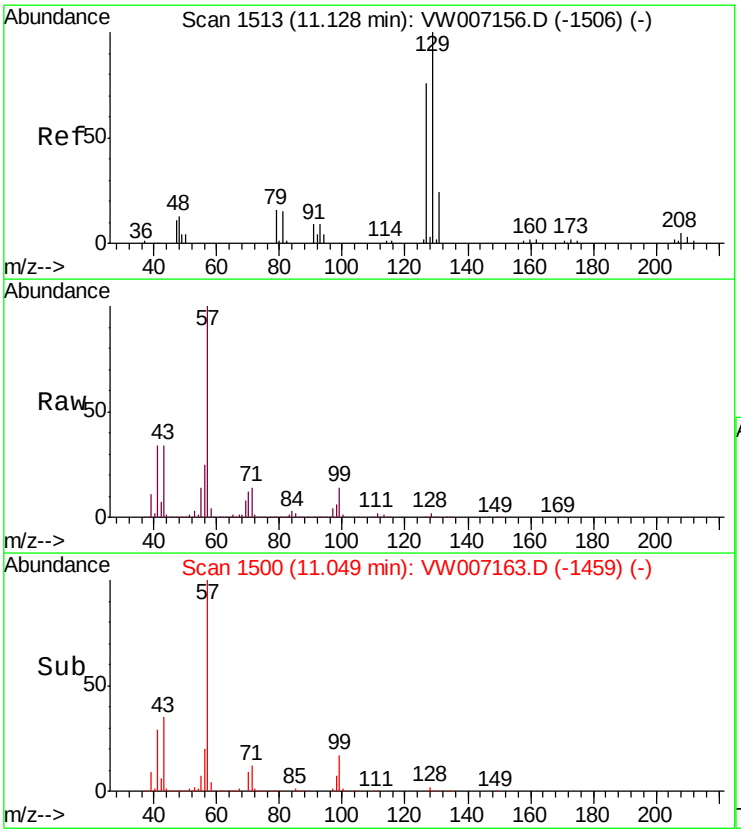
#49
2-Hexanone
Concen: 3401.862 ug/L
RT: 10.94 min Scan# 1483
Delta R.T. -0.02 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion: 43 Resp: 2780122

Ion	Ratio	Lower	Upper
43	100		
58	3.2	44.2	66.2#
57	70.7	16.3	24.5#
100	0.1	10.1	15.1#

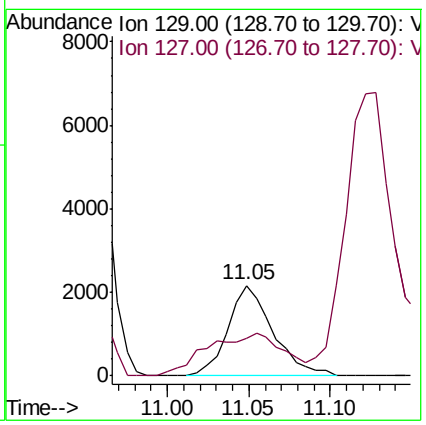


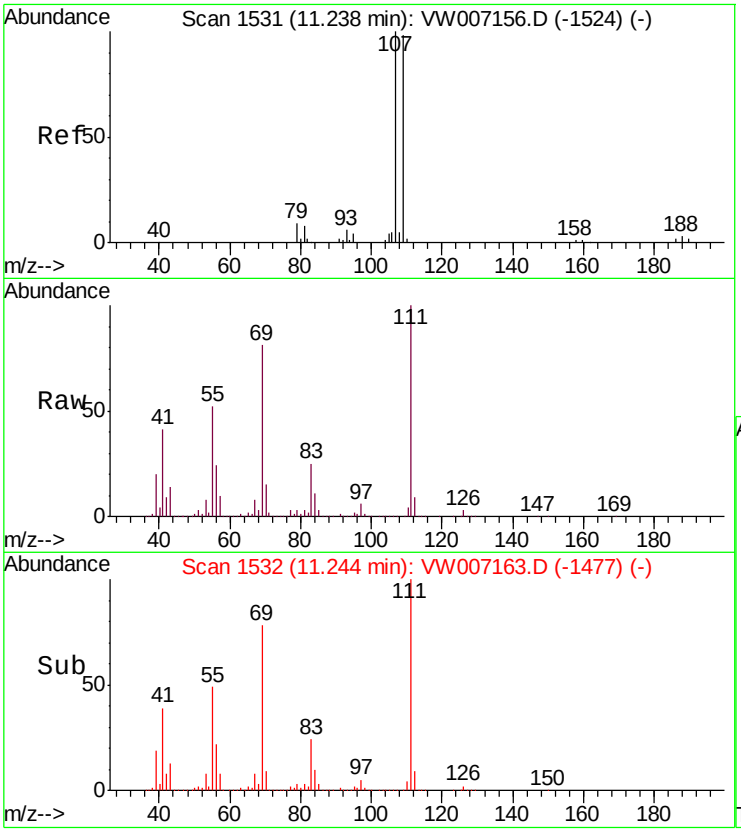


#50
Dibromochloromethane
Concen: 2.659 ug/L
RT: 11.05 min Scan# 1500
Delta R.T. -0.08 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion:129 Resp: 4162

Ion	Ratio	Lower	Upper
129	100		
127	41.2	54.6	101.4#



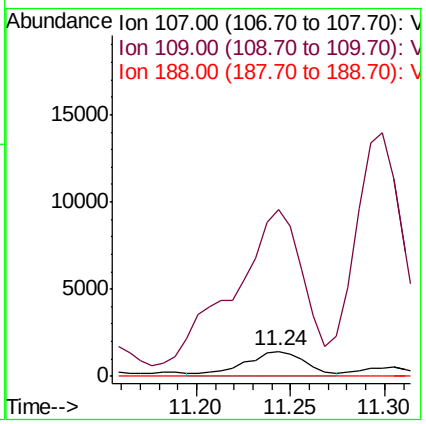


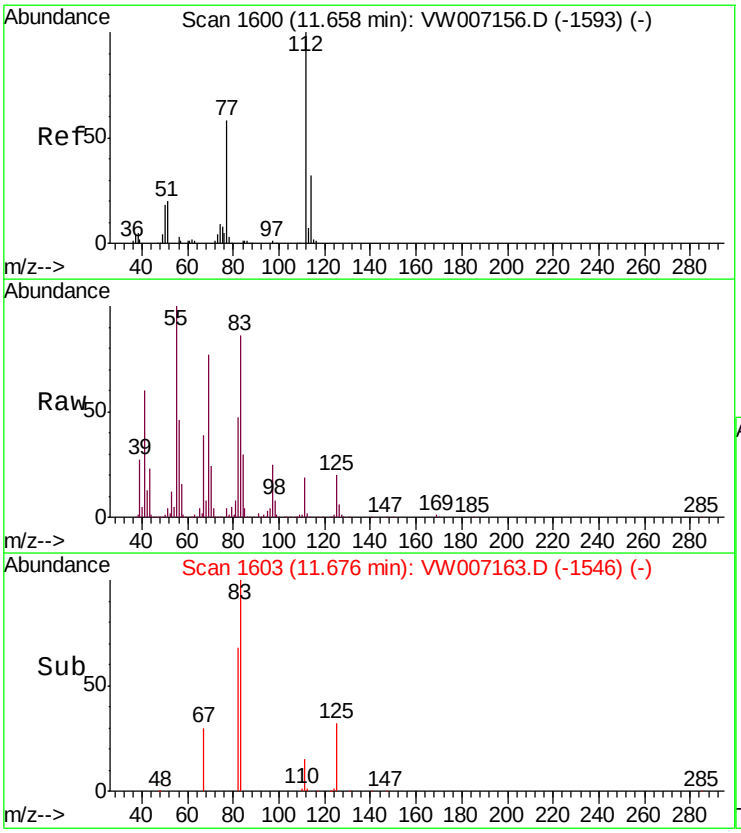
#51
1,2-Dibromoethane
Concen: 2.474 ug/L
RT: 11.24 min Scan# 1532
Delta R.T. 0.01 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion:107 Resp: 3221

Ion	Ratio	Lower	Upper
107	100		
109	665.1	66.0	122.6#
188	0.0	3.6	5.4#

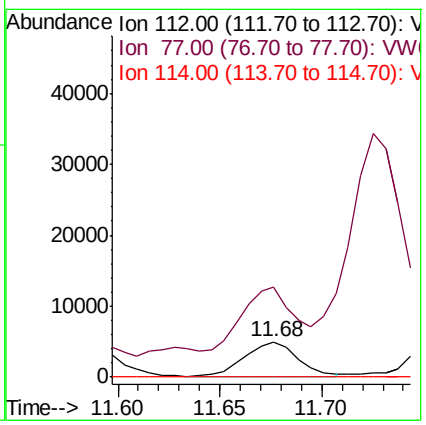


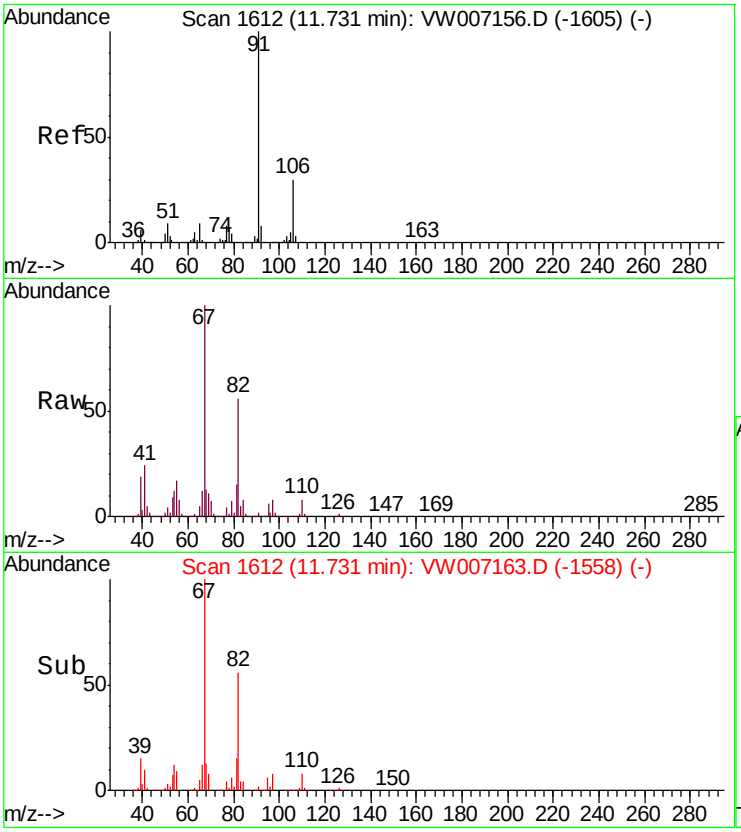


#52
Chlorobenzene
Concen: 1.580 ug/L
RT: 11.68 min Scan# 1603
Delta R.T. 0.02 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion:112 Resp: 8491

Ion	Ratio	Lower	Upper
112	100		
77	254.6	45.0	67.4#
114	0.0	22.8	42.4#



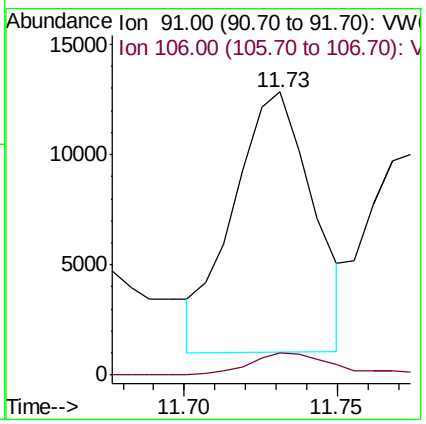


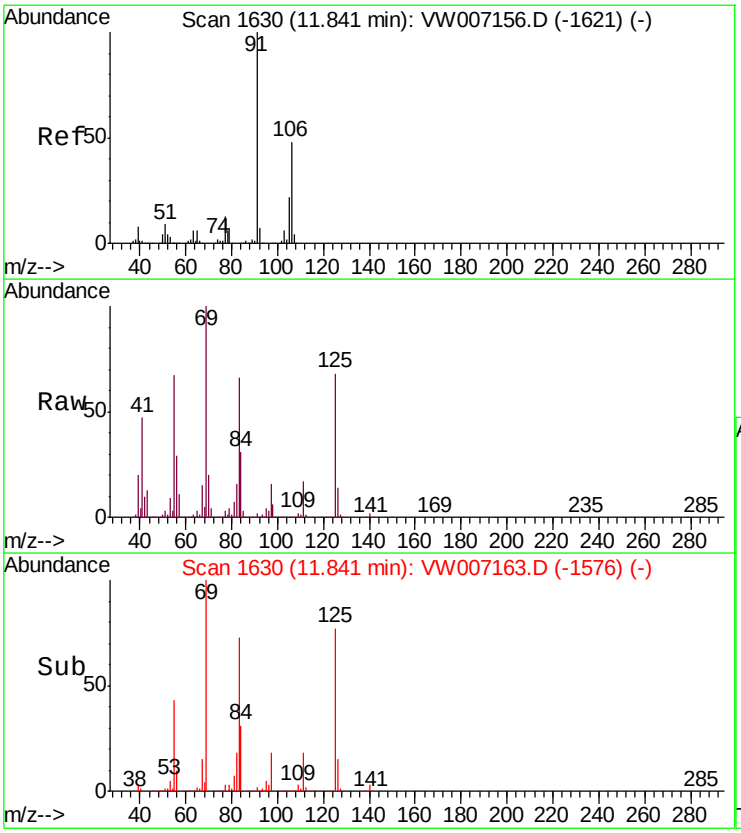
#53
Ethylbenzene
Concen: 2.268 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion: 91 Resp: 21433

Ion	Ratio	Lower	Upper
91	100		
106	7.8	21.8	40.4#

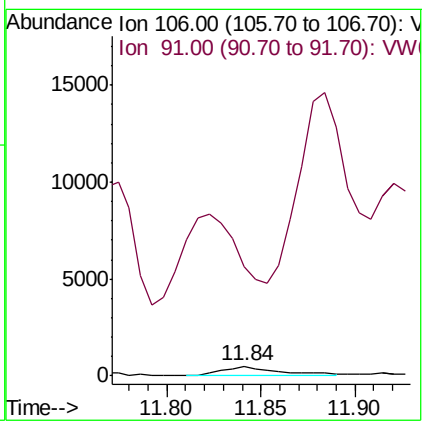


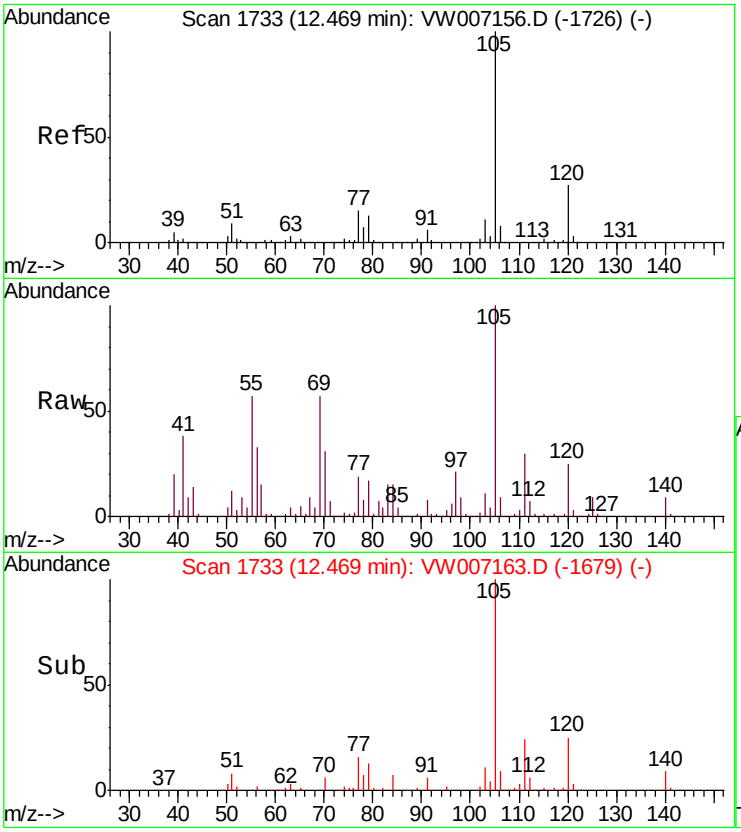


#54
m,p-Xylene
Concen: 0.283 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion:106 Resp: 1045

Ion	Ratio	Lower	Upper
106	100		
91	1086.3	140.7	261.3#



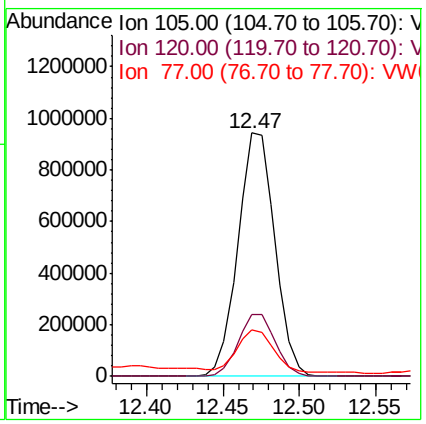


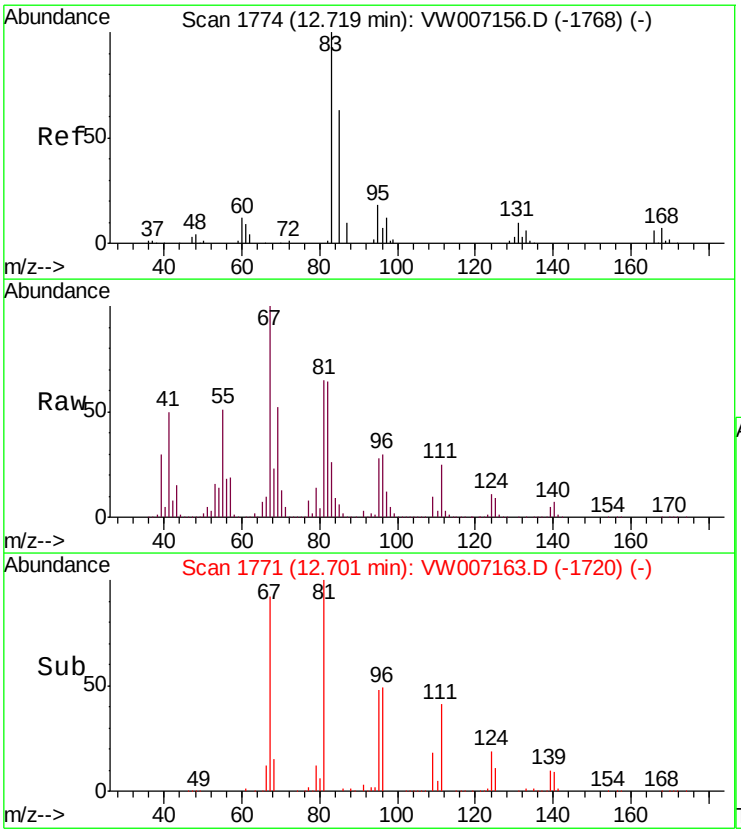
#57
Isopropylbenzene
Concen: 166.003 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion:105 Resp: 1578261

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.8	31.2
77	17.2	12.0	18.0

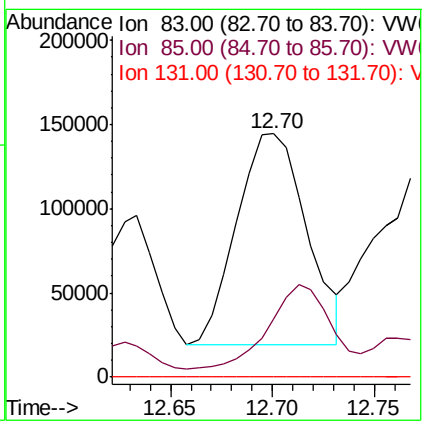


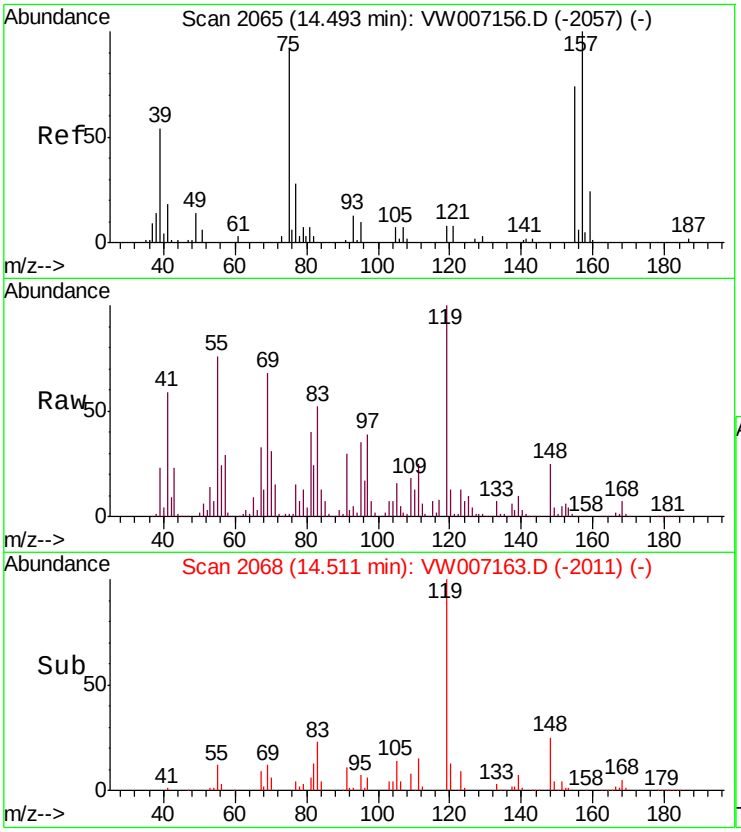


#58
1,1,2,2-Tetrachloroethane
Concen: 182.338 ug/L
RT: 12.70 min Scan# 1771
Delta R.T. -0.02 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion: 83 Resp: 297706

Ion	Ratio	Lower	Upper
83	100		
85	24.0	47.8	88.8#
131	0.2	8.2	12.2#



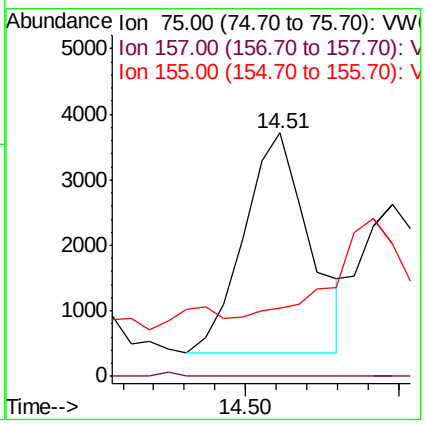


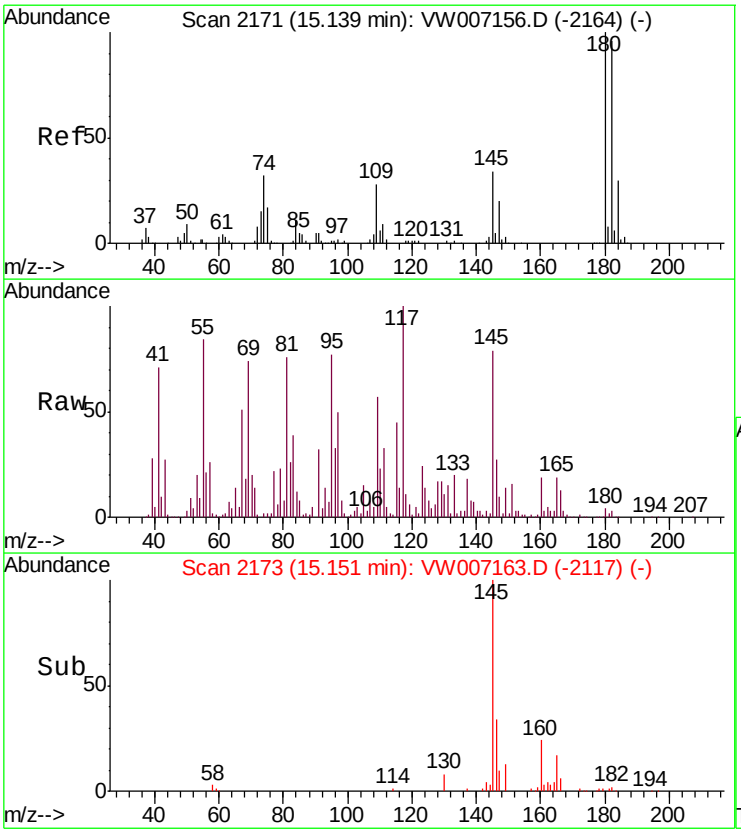
#66
1,2-Dibromo-3-chloropropane
Concen: 10.688 ug/L
RT: 14.51 min Scan# 2068
Delta R.T. 0.02 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument : MSVOA_W
ClientSampleId : F9Y04

Tgt Ion: 75 Resp: 5006

Ion	Ratio	Lower	Upper
75	100		
157	0.0	86.4	129.6#
155	28.1	58.3	87.5#

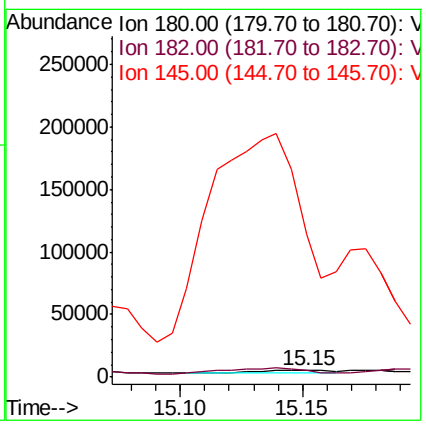


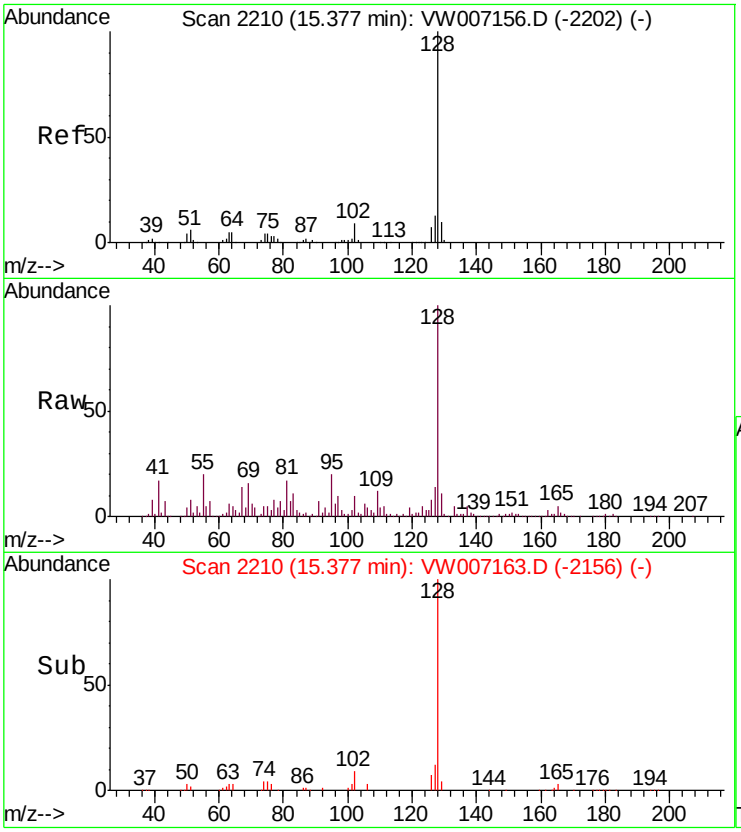


#68
1,2,4-trichlorobenzene
Concen: 1.429 ug/L
RT: 15.15 min Scan# 2173
Delta R.T. 0.01 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion:180 Resp: 5757

Ion	Ratio	Lower	Upper
180	100		
182	201.1	75.6	113.4#
145	9293.9	26.6	39.8#



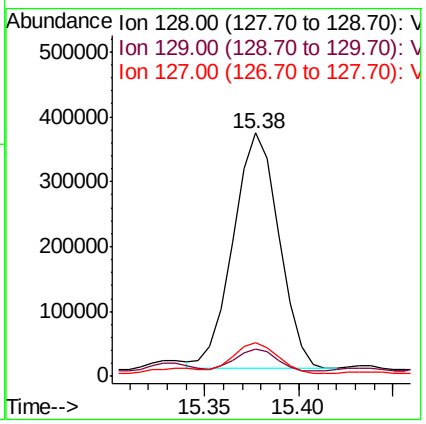


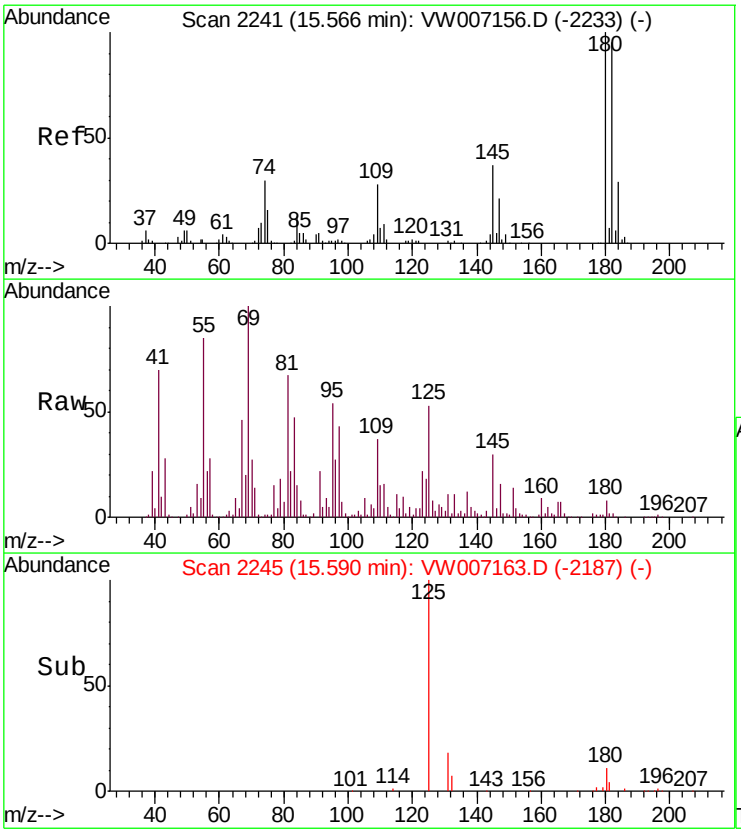
#69
Naphthalene
Concen: 71.537 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

Tgt Ion:128 Resp: 613783

Ion	Ratio	Lower	Upper
128	100		
129	8.2	8.7	13.1#
127	12.7	10.9	16.3





#70
1,2,3-Trichlorobenzene
Concen: 2.495 ug/L
RT: 15.59 min Scan# 2245
Delta R.T. 0.02 min
Lab File: VW007163.D
Acq: 03 Dec 2018 14:40

Tgt Ion:180 Resp: 8772

Ion	Ratio	Lower	Upper
180	100		
182	114.1	75.0	112.4#
145	3929.8	28.2	42.4#