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

Quantitation Report (Not Reviewed)

Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y09

Quant Time: Dec 04 03:18:41 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	116328	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	81377	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	33966	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	21088	21.31	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.24%			
7) Chloroethane-d5	2.89	69	17160	24.18	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.72%			
10) 1,1-Dichloroethene-d2	4.02	63	47509	18.43	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 73.72%			
20) 2-Butanone-d5	7.08	46	21318	53.19	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 106.38%			
24) Chloroform-d	7.65	84	64644	26.53	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 106.12%			
26) 1,2-Dichloroethane-d4	8.31	65	36577	25.93	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.72%			
29) Benzene-d6	8.28	84	109325	28.27	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 113.08%			
33) 1,2-Dichloropropane-d6	9.35	67	896853	809.58	ug/L	0.08
Spiked Amount 25.000	Range 70 - 120		Recovery = 3238.32%#			
37) Toluene-d8	10.33	98	536806	131.25	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 525.00%#			
38) trans-1,3-Dichloropropene-	10.59	79	17739	32.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 131.00%			
39) 2-Hexanone-d5	10.93	63	24581	94.68	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 189.36%#			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	53691	53.20	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 212.80%#			
61) 1,2-Dichlorobenzene-d4	13.87	152	28948	22.71	ug/L	0.01
Spiked Amount 25.000	Range 75 - 120		Recovery = 90.84%			
Target Compounds						Qvalue
3) Chloromethane	2.35	50	2726	1.836	ug/L	84
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	429	0.292	ug/L #	40
13) Acetone	4.11	43	145365	517.727	ug/L	54
16) Methylene chloride	4.92	84	3744	2.013	ug/L #	1
27) 1,2-Dichloroethane	8.45	62	24091	14.133	ug/L #	1
30) Cyclohexane	7.96	56	3506789	1977.071	ug/L	97
36) Methylcyclohexane	9.35	83	10168743	4789.997	ug/L #	80
40) 1,2-Dichloropropane	9.35	63	138842	137.265	ug/L #	1
41) Bromodichloromethane	9.62	83	216377	163.394	ug/L #	39
43) 4-Methyl-2-pentanone	10.22	43	100377	134.110	ug/L #	49
44) Toluene	10.37	91	13621	2.696	ug/L #	39
46) 1,1,2-Trichloroethane	10.77	97	1506974	1891.879	ug/L #	22
49) 2-Hexanone	10.94	43	2601903	5135.483	ug/L #	25
50) Dibromochloromethane	11.05	129	3657	3.769	ug/L #	64
51) 1,2-Dibromoethane	11.24	107	3107	3.849	ug/L #	1
52) Chlorobenzene	11.67	112	6750	2.026	ug/L #	1
53) Ethylbenzene	11.73	91	14931	2.549	ug/L #	53

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

Quantitation Report (Not Reviewed)

Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y09

Quant Time: Dec 04 03:18:41 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)
55) o-xylene	12.17	106	1286	0.607	ug/L	#	1
57) Isopropylbenzene	12.47	105	524938	89.060	ug/L		97
58) 1,1,2,2-Tetrachloroethane	12.70	83	170456	168.399	ug/L	#	53
59) 1,2,3-Trichloropropane	12.81	75	6283	7.943	ug/L	#	1
66) 1,2-Dibromo-3-chloropropan	14.51	75	1631	9.834	ug/L	#	20
68) 1,2,4-trichlorobenzene	15.14	180	1671	1.171	ug/L	#	1
69) Naphthalene	15.38	128	32639	10.742	ug/L	#	74
70) 1,2,3-Trichlorobenzene	15.59	180	8449	6.785	ug/L	#	1

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

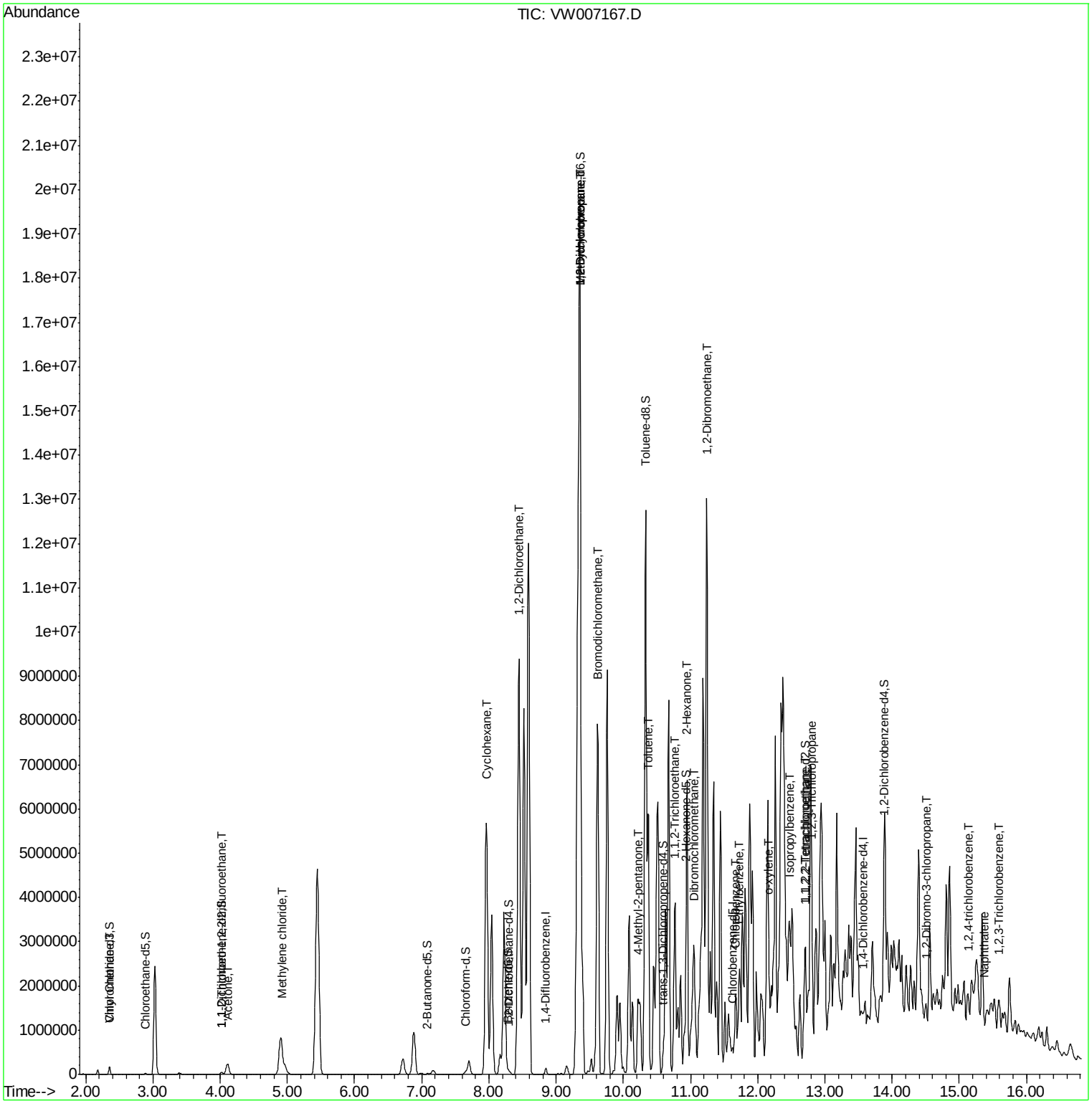
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\

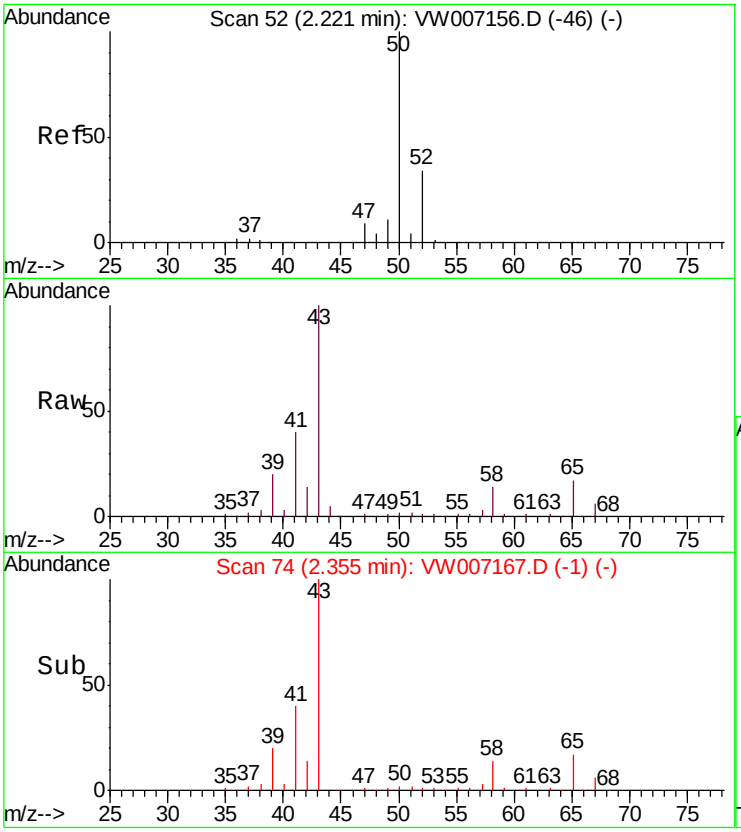
Quantitation Report (Not Reviewed)

Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : F9Y09

Quant Time: Dec 04 03:18:41 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



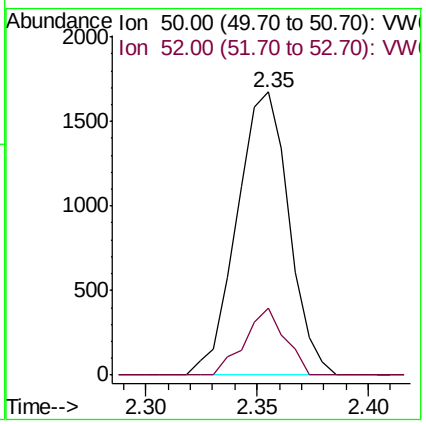


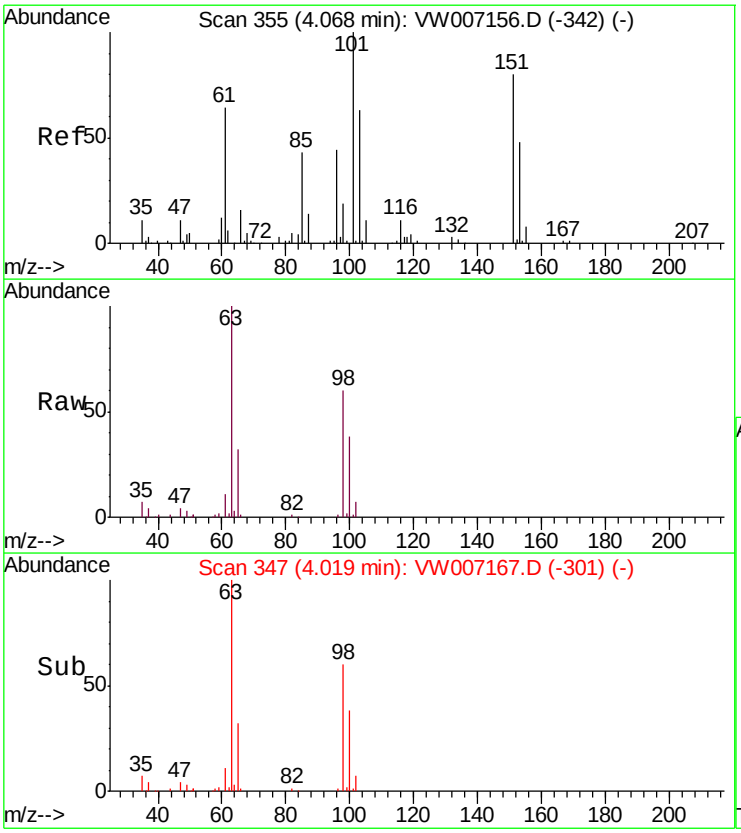
#3
Chloromethane
Concen: 1.836 ug/L
RT: 2.35 min Scan# 74
Delta R.T. 0.13 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Tgt Ion: 50 Resp: 2726

Ion	Ratio	Lower	Upper
50	100		
52	23.8	23.0	42.6

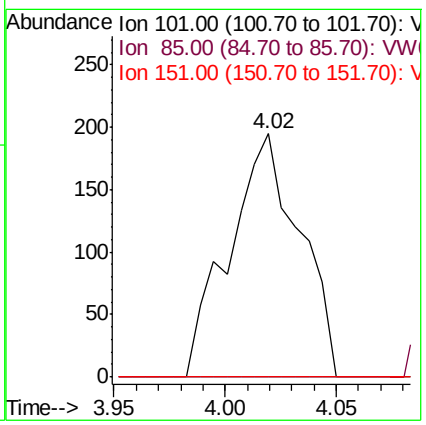


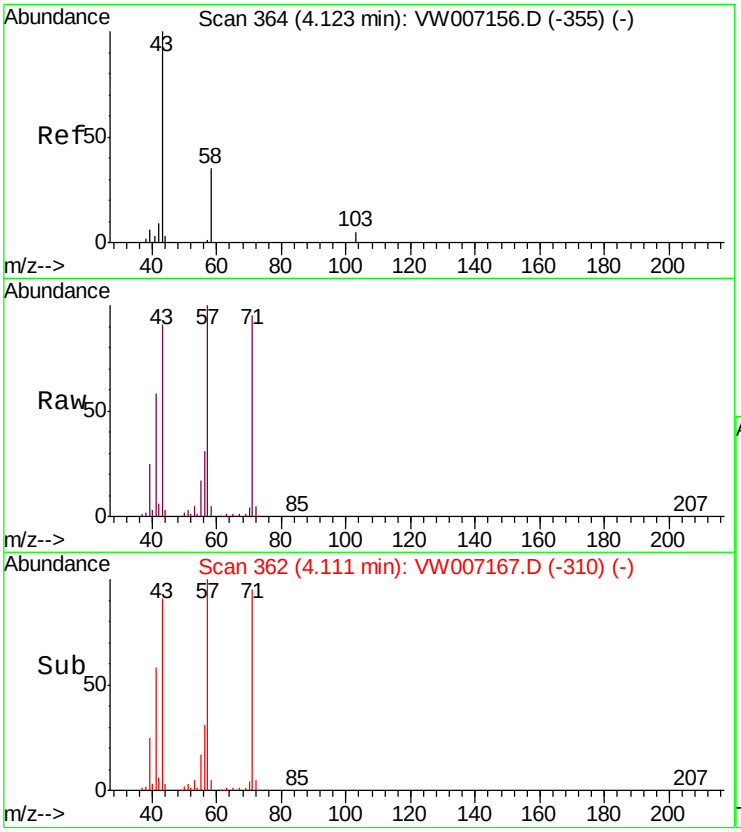


#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.292 ug/L
RT: 4.02 min Scan# 347
Delta R.T. -0.05 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion:101 Resp: 429

Ion	Ratio	Lower	Upper
101	100		
85	47.8	34.8	52.2
151	0.0	62.8	94.2#



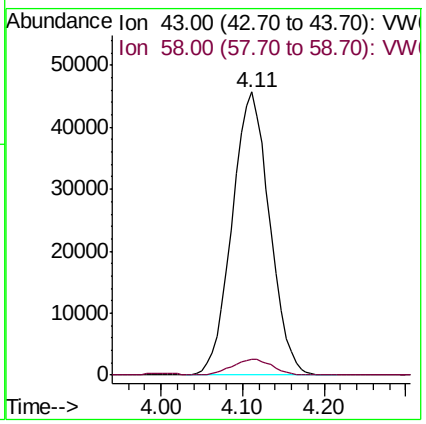


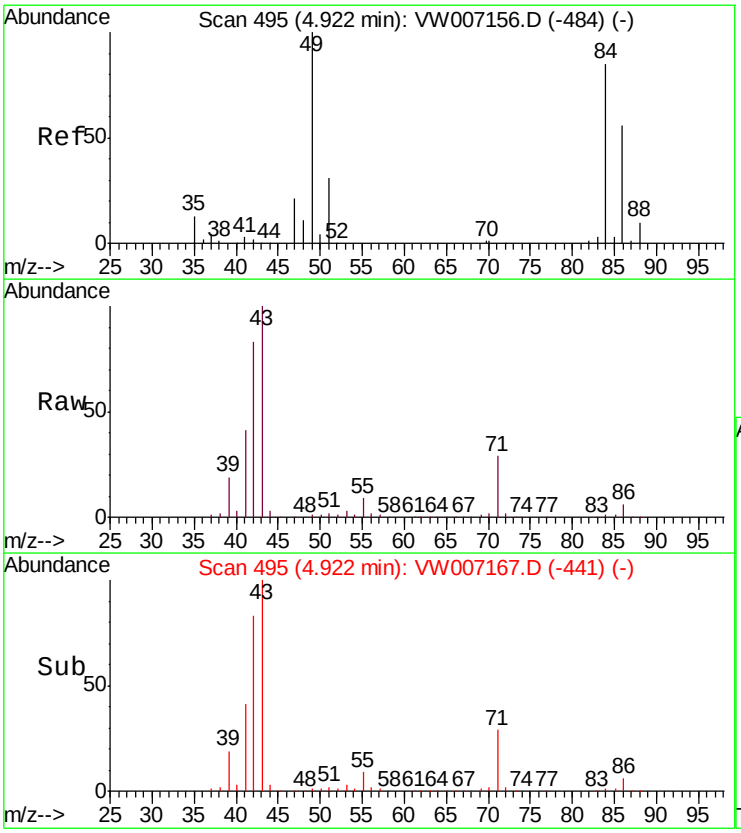
#13
Acetone
Concen: 517.727 ug/L
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument : MSVOA_W
ClientSampleId : F9Y09

Tgt Ion: 43 Resp: 145365

Ion	Ratio	Lower	Upper
43	100		
58	6.1	0.0	62.4

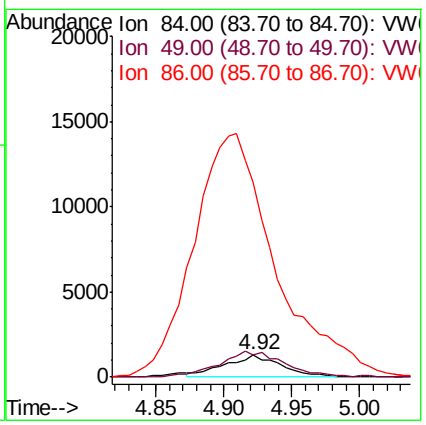


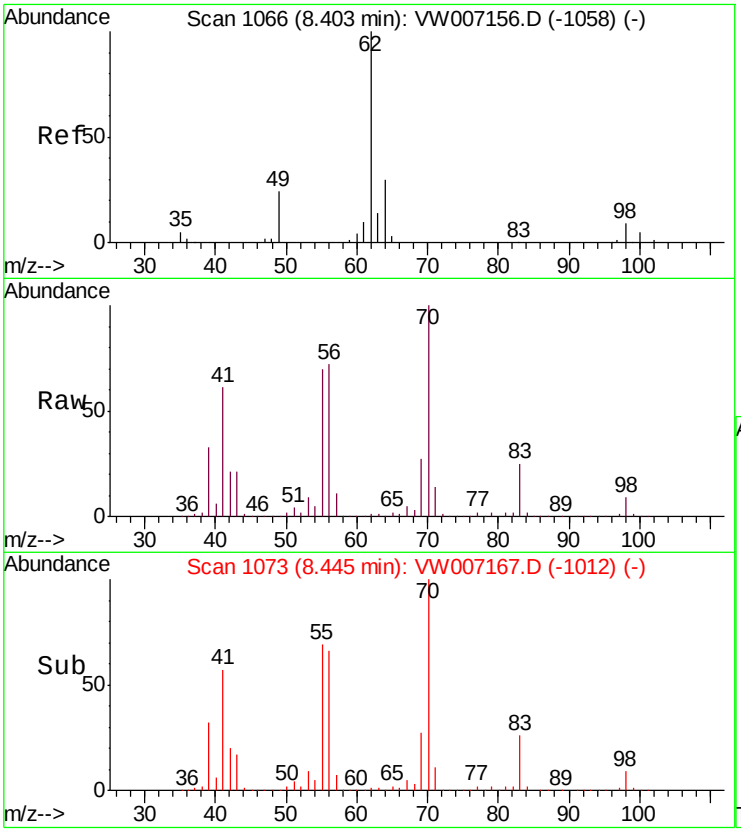


#16
Methylene chloride
Concen: 2.013 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion: 84 Resp: 3744

Ion	Ratio	Lower	Upper
84	100		
49	99.3	80.9	150.3
86	871.3	42.8	79.6#



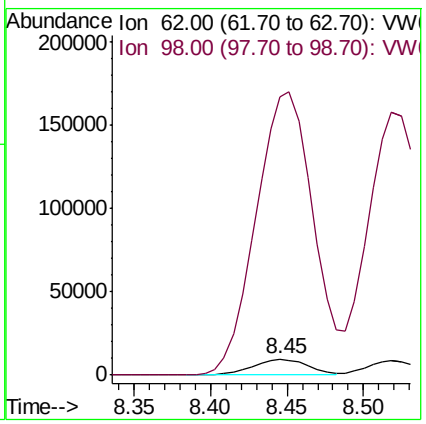


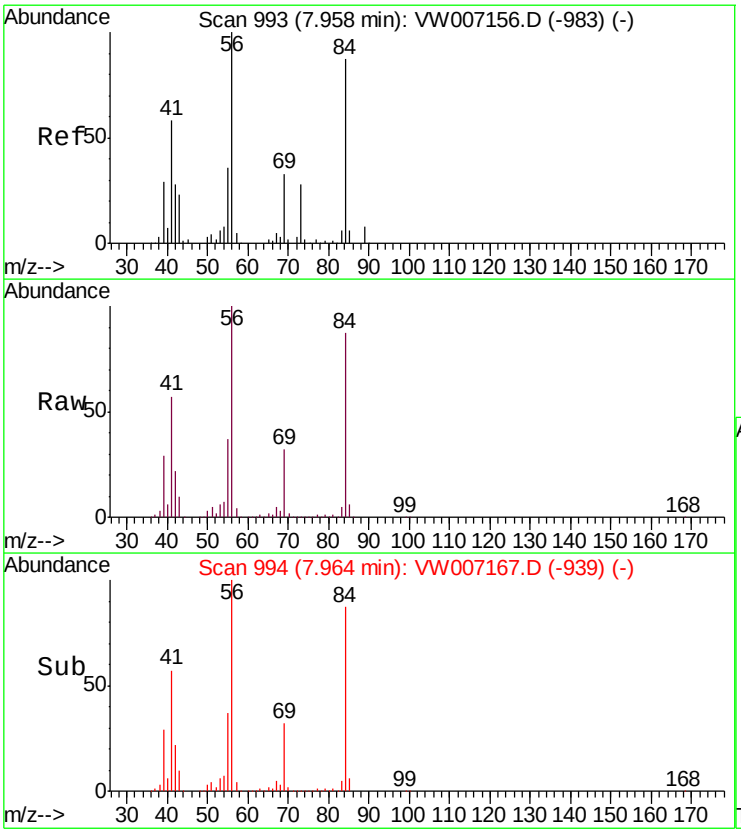
#27
1,2-Dichloroethane
Concen: 14.133 ug/L
RT: 8.45 min Scan# 1073
Delta R.T. 0.04 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument : MSVOA_W
ClientSampleId : F9Y09

Tgt Ion: 62 Resp: 24091

Ion	Ratio	Lower	Upper
62	100		
98	1724.4	7.4	11.2#

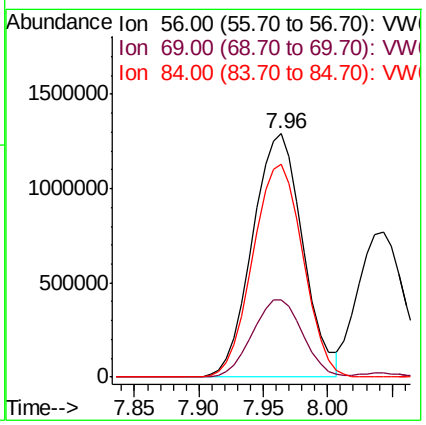


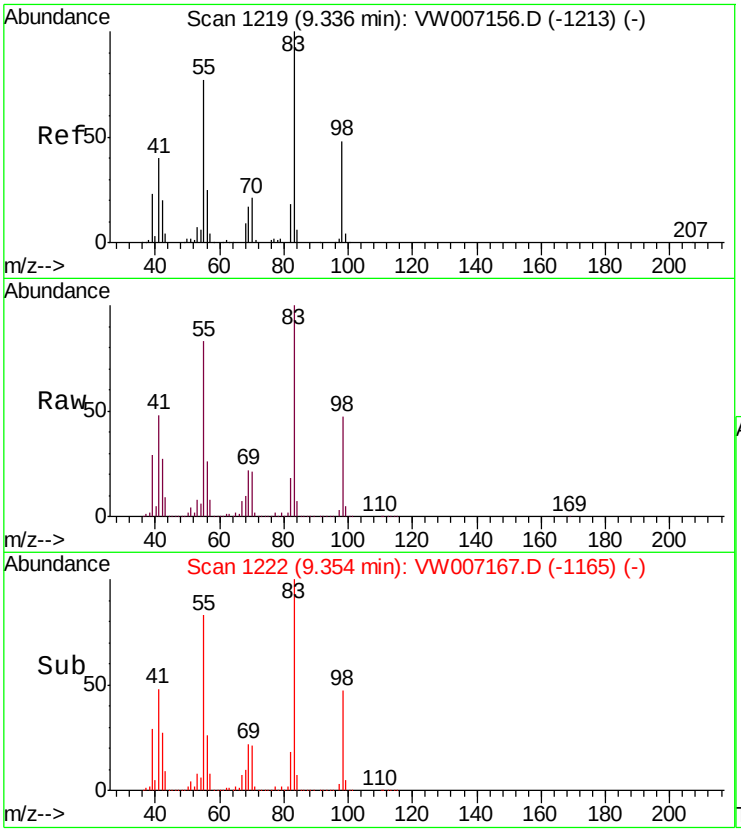


#30
Cyclohexane
Concen: 1977.071 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion: 56 Resp: 3506789

Ion	Ratio	Lower	Upper
56	100		
69	31.7	26.1	39.1
84	87.3	73.0	109.4



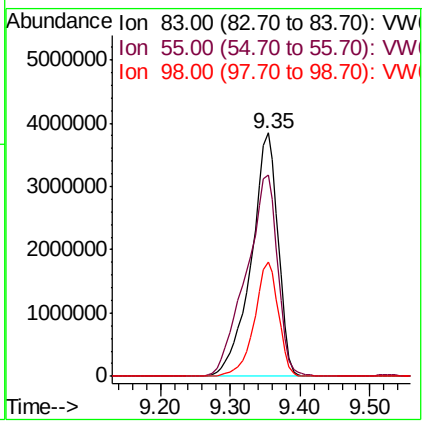


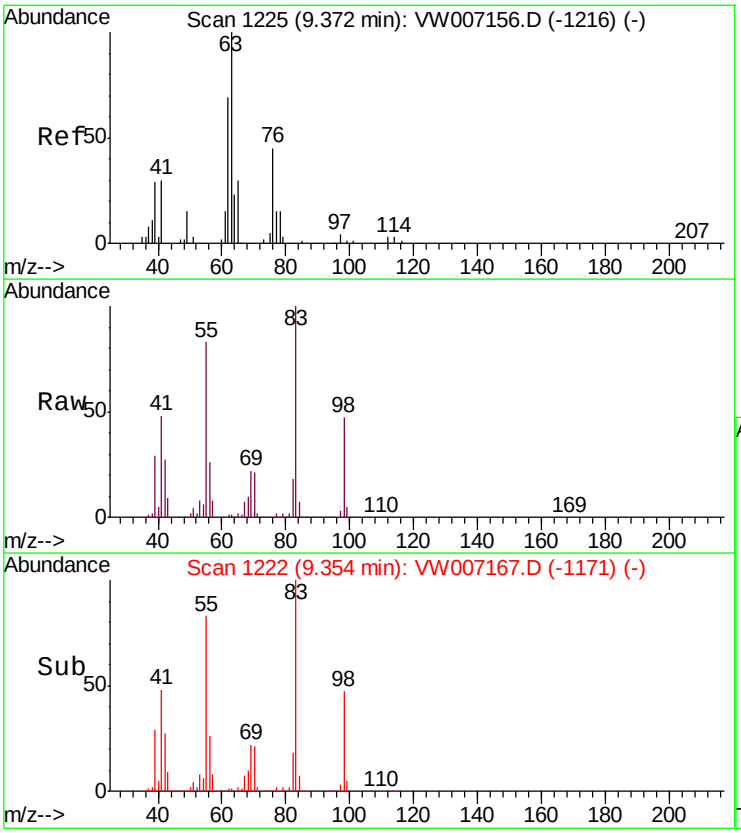
#36
Methylcyclohexane
Concen: 4789.997 ug/L
RT: 9.35 min Scan# 1222
Delta R.T. 0.02 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument : MSVOA_W
ClientSampleId : F9Y09

Tgt Ion: 83 Resp:10168743

Ion	Ratio	Lower	Upper
83	100		
55	97.8	60.2	90.4#
98	42.1	38.8	58.2

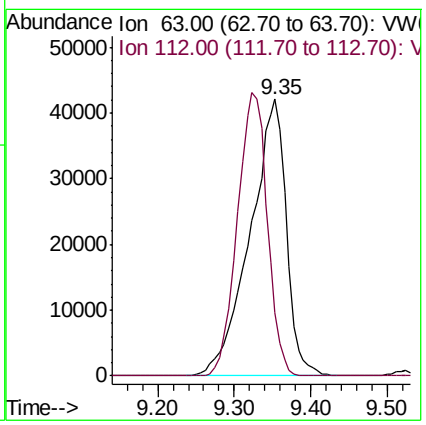


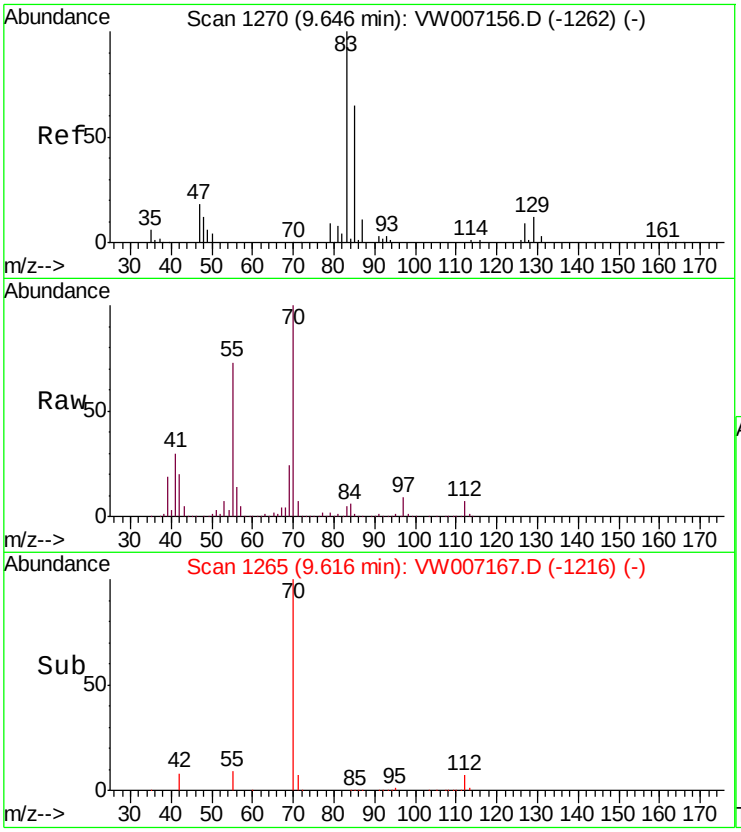


#40
1,2-Dichloropropane
Concen: 137.265 ug/L
RT: 9.35 min Scan# 1222
Delta R.T. -0.02 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion: 63 Resp: 138842

Ion	Ratio	Lower	Upper
63	100		
112	84.2	3.4	5.2#



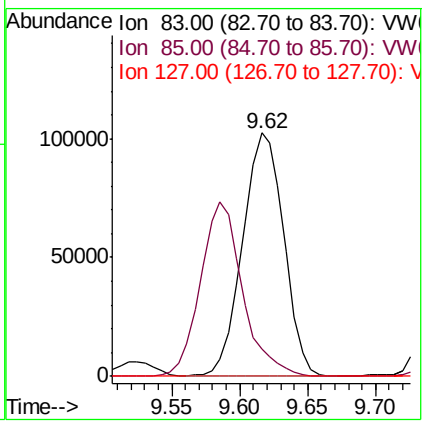


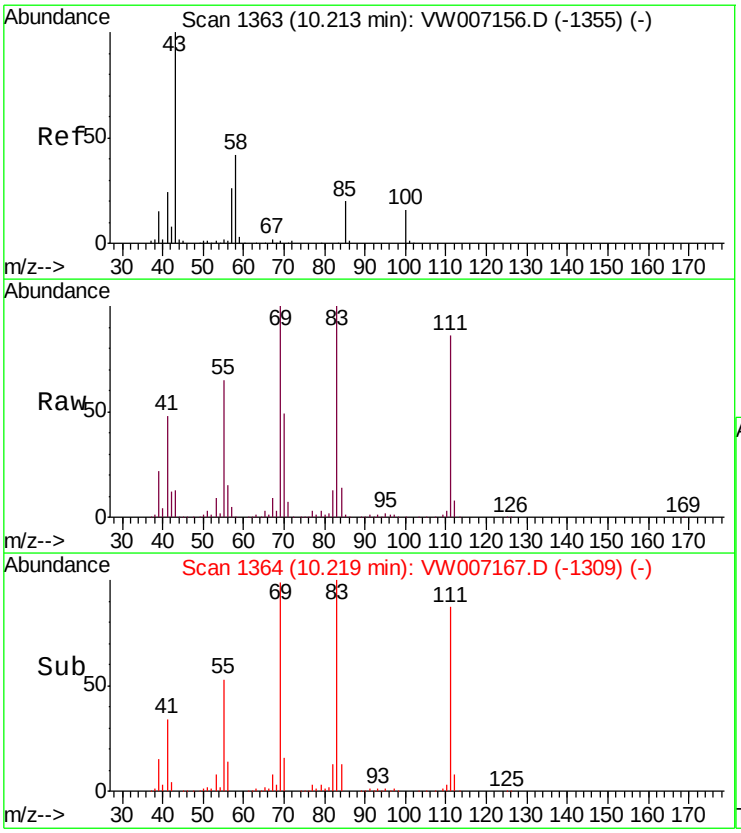
#41
Bromodichloromethane
Concen: 163.394 ug/L
RT: 9.62 min Scan# 1265
Delta R.T. -0.03 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Tgt Ion: 83 Resp: 216377

Ion	Ratio	Lower	Upper
83	100		
85	11.2	43.9	81.5#
127	0.0	7.1	10.7#

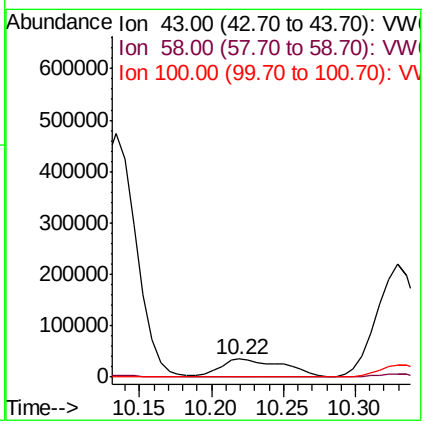


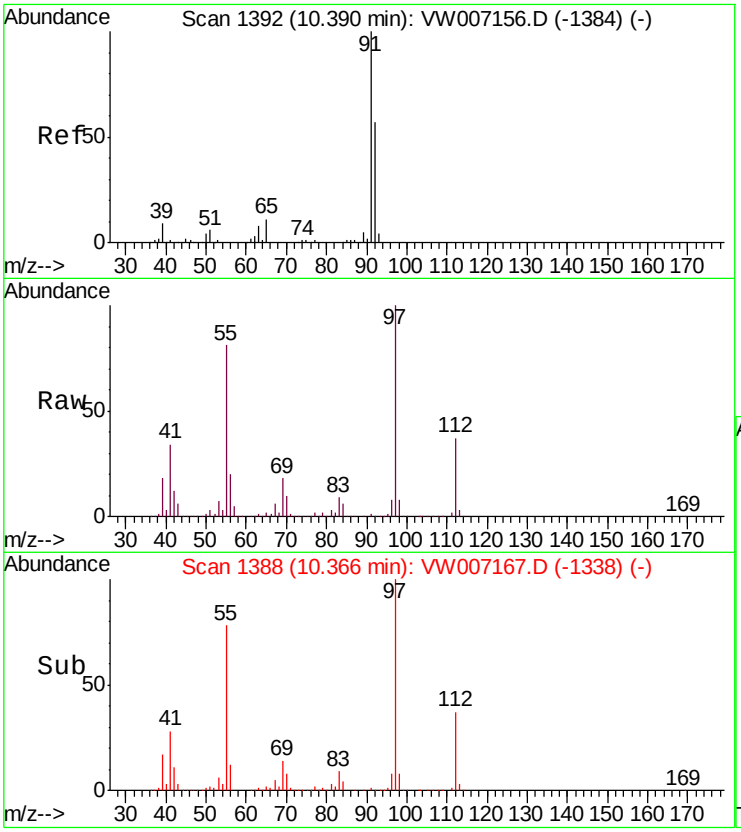


#43
4-Methyl-2-pentanone
Concen: 134.110 ug/L
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion: 43 Resp: 100377

Ion	Ratio	Lower	Upper
43	100		
58	4.9	31.4	47.2#
100	0.1	13.1	19.7#



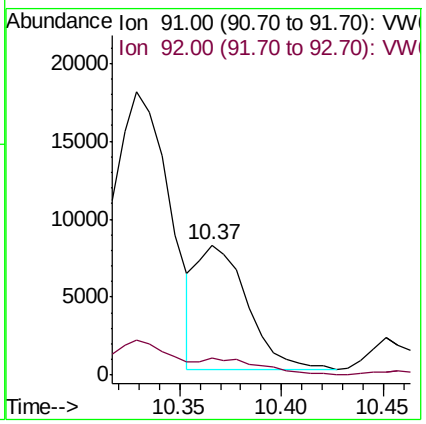


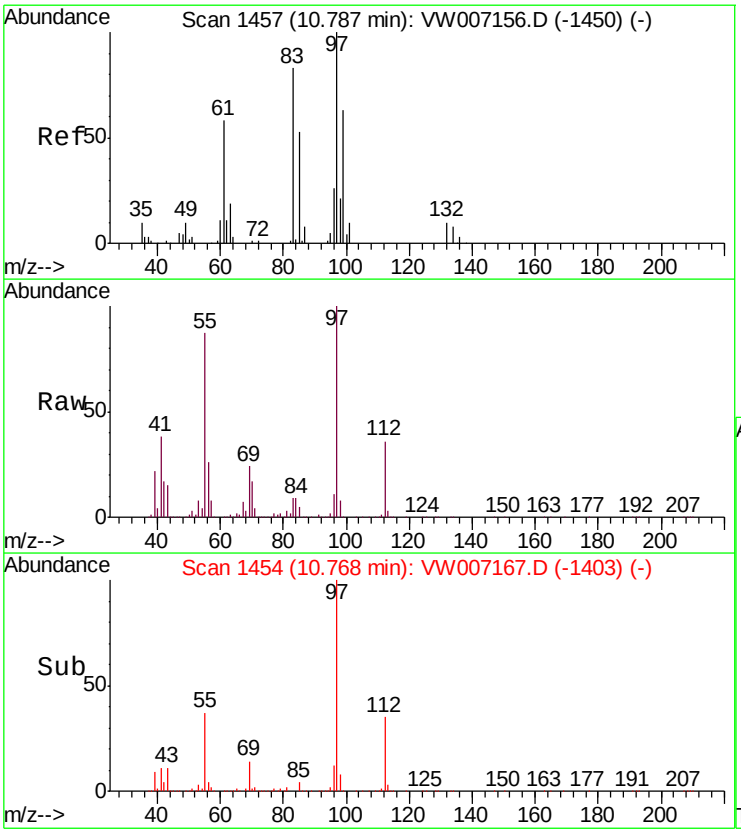
#44
Toluene
Concen: 2.696 ug/L
RT: 10.37 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Tgt Ion: 91 Resp: 13621

Ion	Ratio	Lower	Upper
91	100		
92	13.5	41.2	76.6#

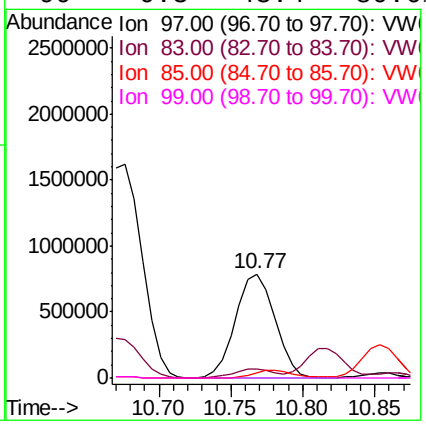


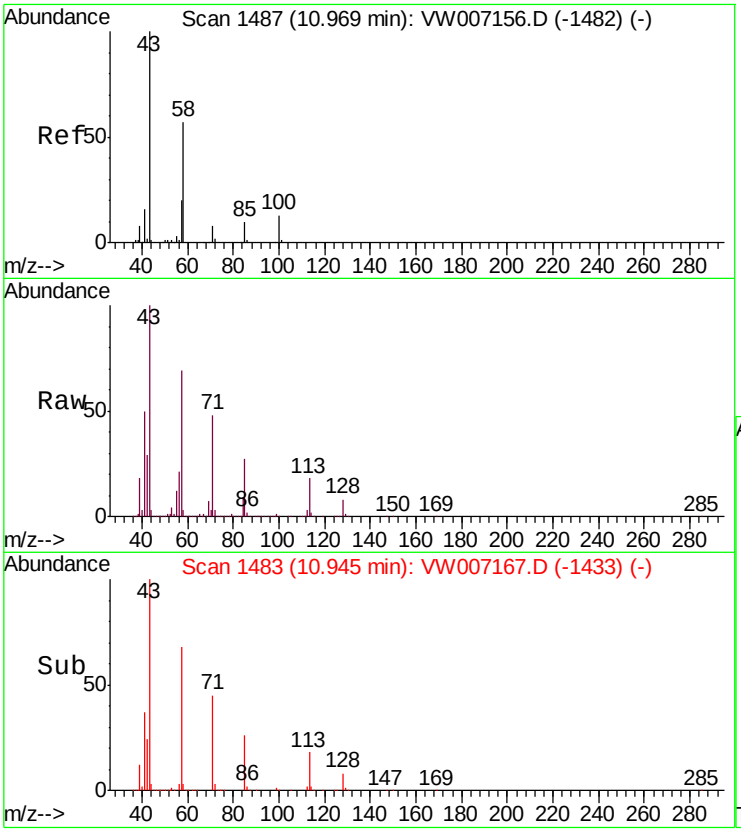


#46
1,1,2-Trichloroethane
Concen: 1891.879 ug/L
RT: 10.77 min Scan# 1454
Delta R.T. -0.02 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion: 97 Resp: 1506974

Ion	Ratio	Lower	Upper
97	100		
83	8.8	57.1	106.1#
85	4.9	38.6	71.8#
99	0.3	43.4	80.6#



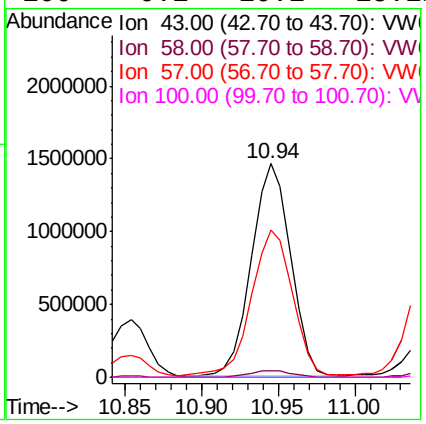


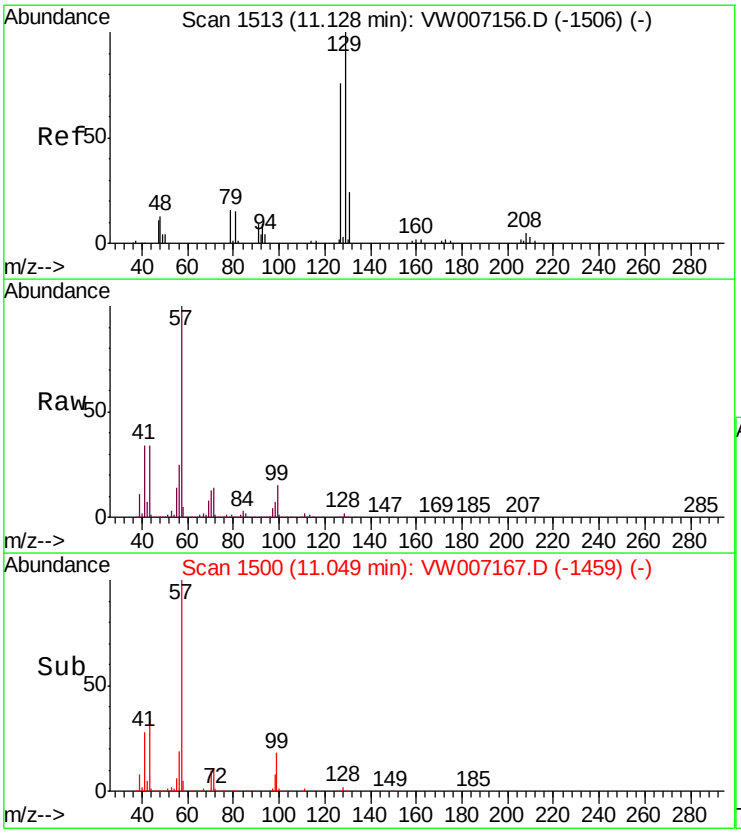
#49
2-Hexanone
Concen: 5135.483 ug/L
RT: 10.94 min Scan# 1483
Delta R.T. -0.02 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument : MSVOA_W
ClientSampleId : F9Y09

Tgt Ion: 43 Resp: 2601903

Ion	Ratio	Lower	Upper
43	100		
58	3.3	44.2	66.2#
57	71.4	16.3	24.5#
100	0.1	10.1	15.1#

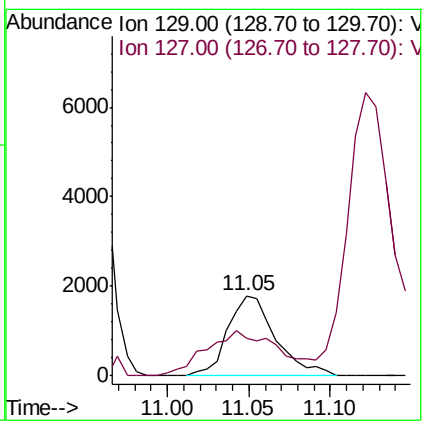


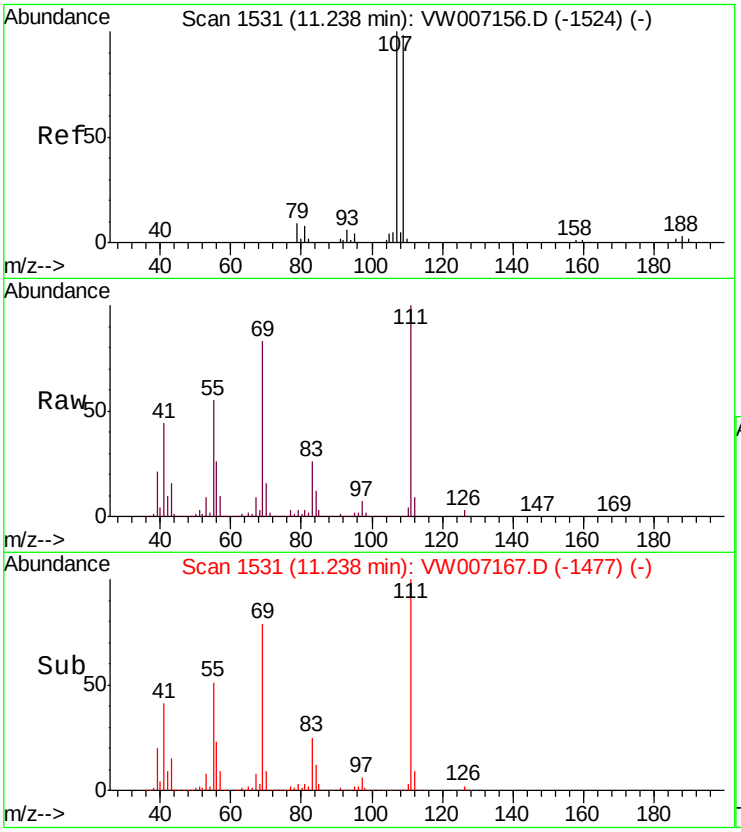


#50
Dibromochloromethane
Concen: 3.769 ug/L
RT: 11.05 min Scan# 1500
Delta R.T. -0.08 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion:129 Resp: 3657

Ion	Ratio	Lower	Upper
129	100		
127	46.6	54.6	101.4#



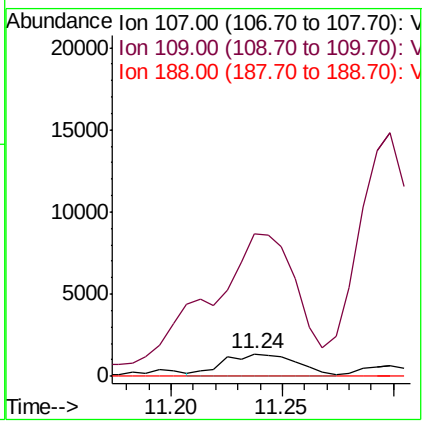


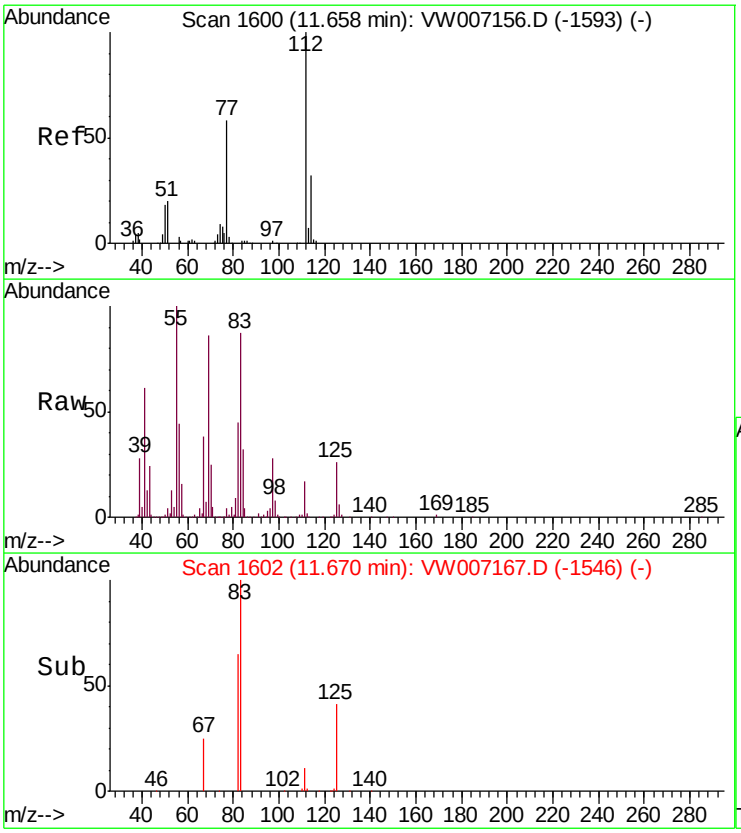
#51
1,2-Dibromoethane
Concen: 3.849 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument : MSVOA_W
ClientSampleId : F9Y09

Tgt Ion:107 Resp: 3107

Ion	Ratio	Lower	Upper
107	100		
109	632.8	66.0	122.6#
188	0.0	3.6	5.4#

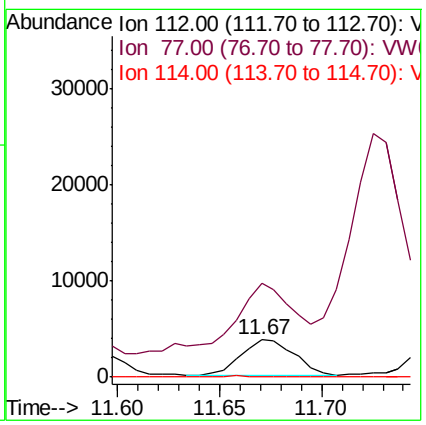


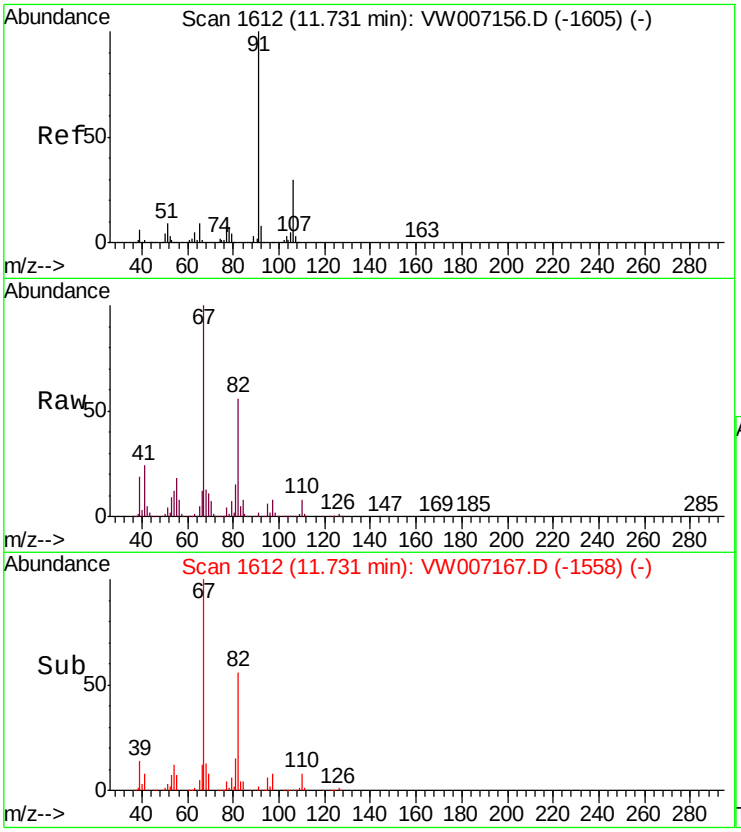


#52
Chlorobenzene
Concen: 2.026 ug/L
RT: 11.67 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion:112 Resp: 6750

Ion	Ratio	Lower	Upper
112	100		
77	252.1	45.0	67.4#
114	0.0	22.8	42.4#



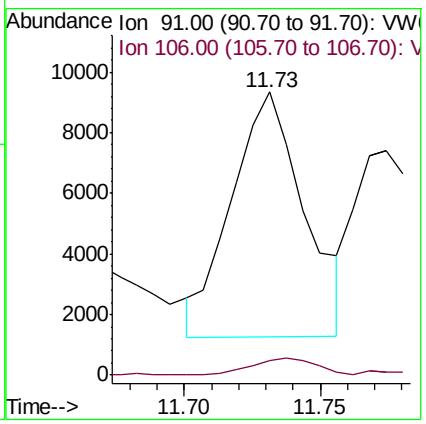


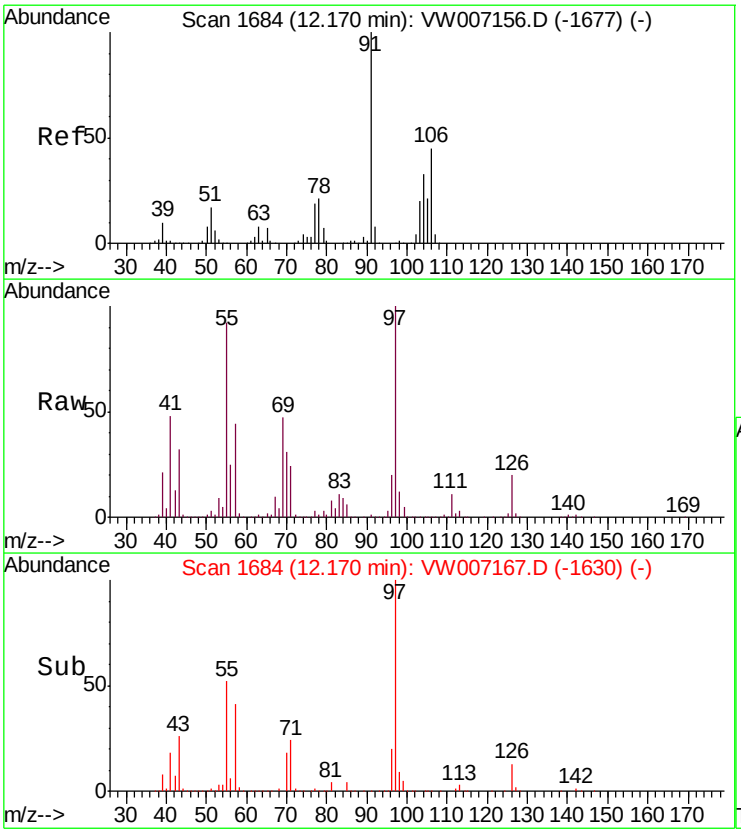
#53
Ethylbenzene
Concen: 2.549 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument : MSVOA_W
ClientSampleId : F9Y09

Tgt Ion: 91 Resp: 14931

Ion	Ratio	Lower	Upper
91	100		
106	5.3	21.8	40.4#

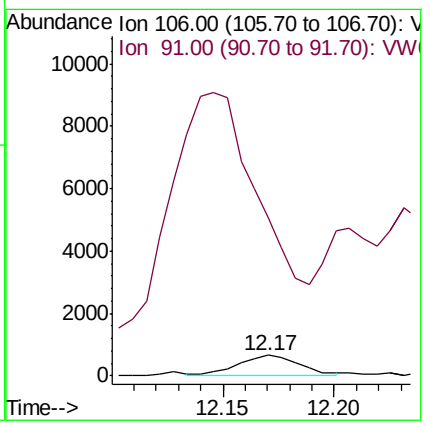


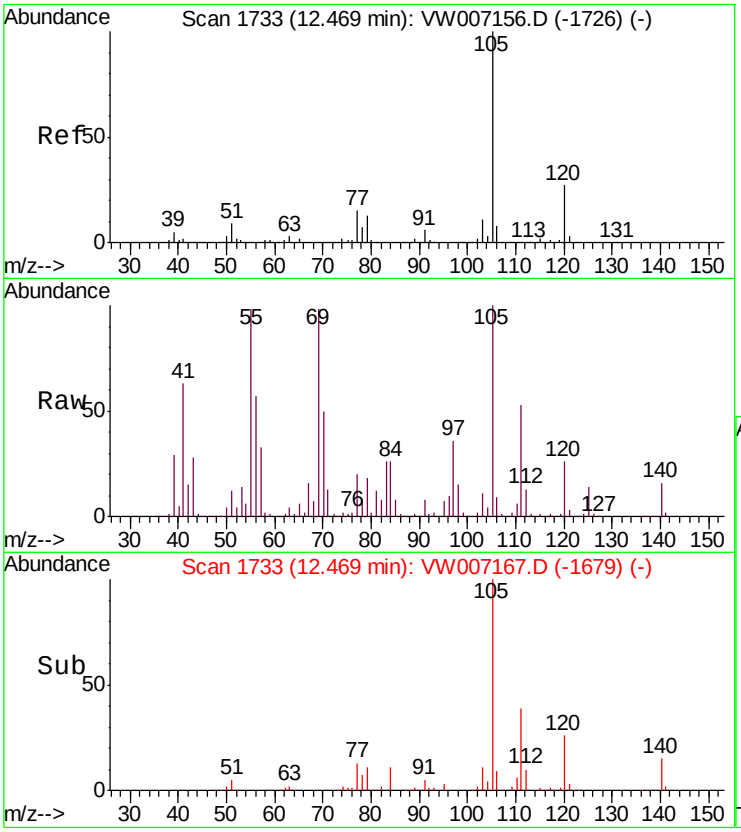


#55
o-xylene
Concen: 0.607 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion:106 Resp: 1286

Ion	Ratio	Lower	Upper
106	100		
91	756.0	149.0	276.8#



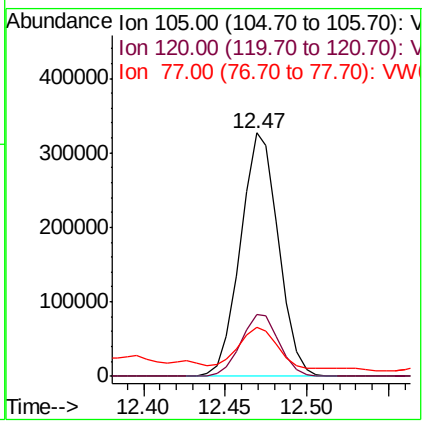


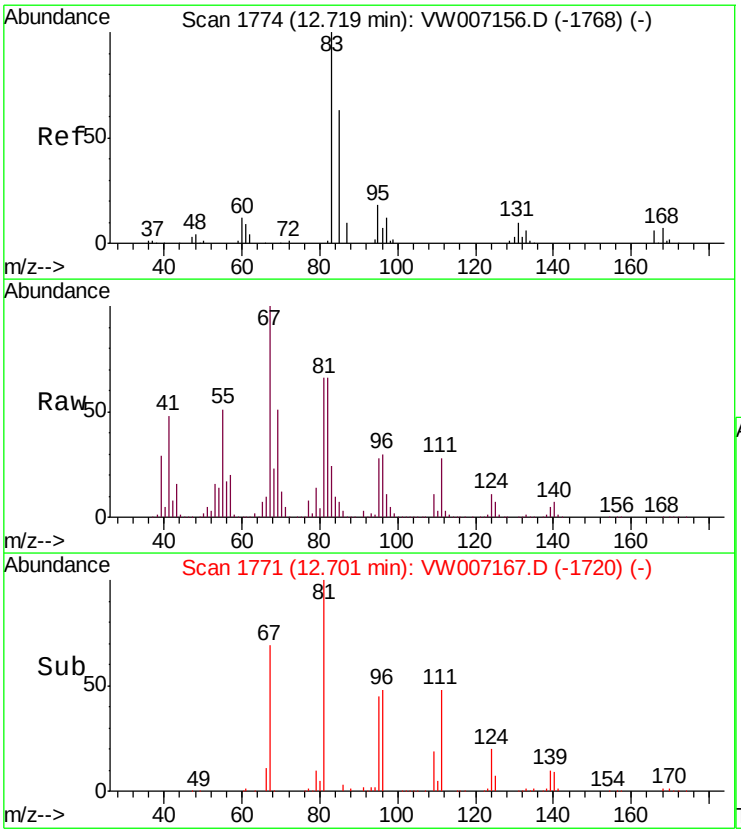
#57
Isopropylbenzene
Concen: 89.060 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Tgt Ion:105 Resp: 524938

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.8	31.2
77	17.5	12.0	18.0

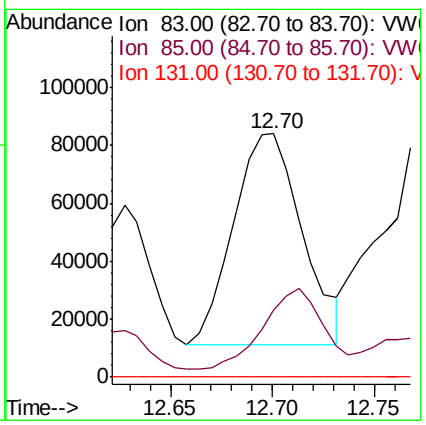


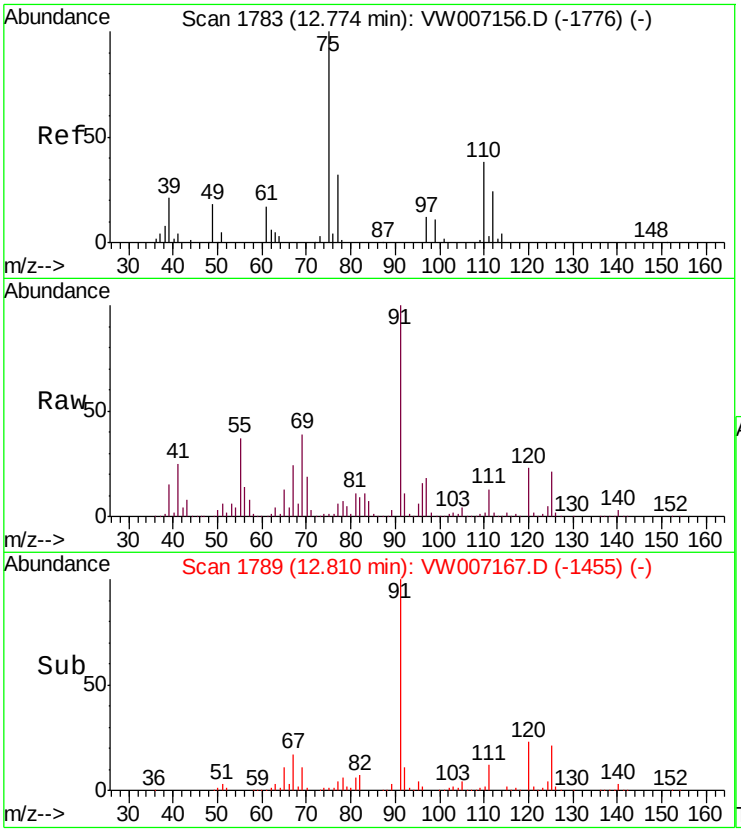


#58
1,1,2,2-Tetrachloroethane
Concen: 168.399 ug/L
RT: 12.70 min Scan# 1771
Delta R.T. -0.02 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion: 83 Resp: 170456

Ion	Ratio	Lower	Upper
83	100		
85	27.7	47.8	88.8#
131	0.3	8.2	12.2#



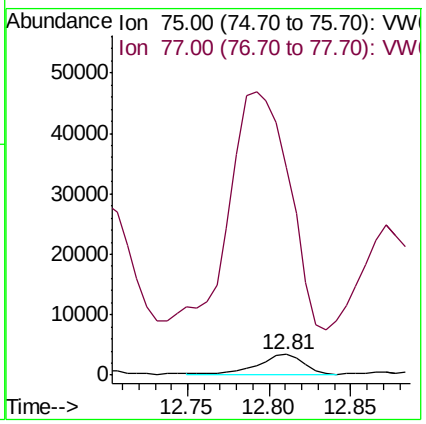


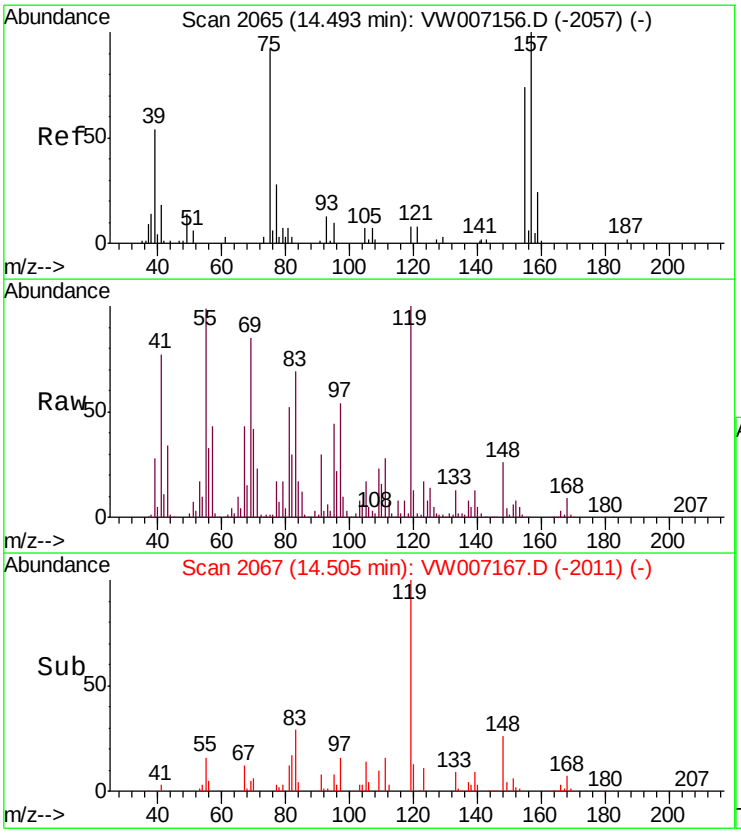
#59
1,2,3-Trichloropropane
Concen: 7.943 ug/L
RT: 12.81 min Scan# 1789
Delta R.T. 0.04 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Tgt Ion: 75 Resp: 6283

Ion	Ratio	Lower	Upper
75	100		
77	1769.9	25.8	38.6#

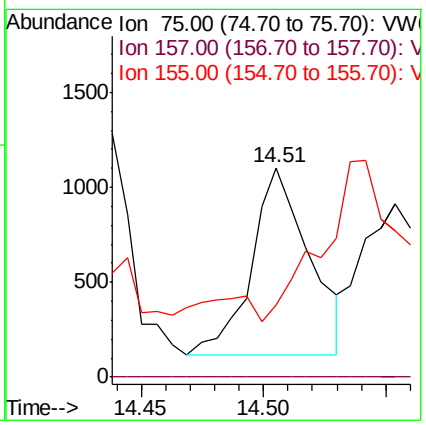


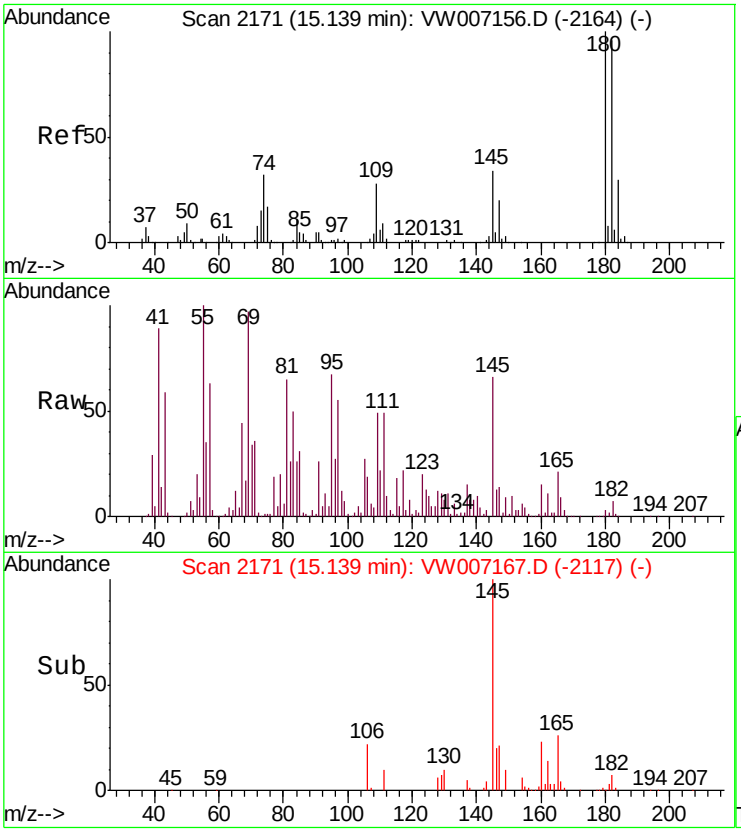


#66
1,2-Dibromo-3-chloropropane
Concen: 9.834 ug/L
RT: 14.51 min Scan# 2067
Delta R.T. 0.01 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion: 75 Resp: 1631

Ion	Ratio	Lower	Upper
75	100		
157	0.0	86.4	129.6#
155	34.1	58.3	87.5#



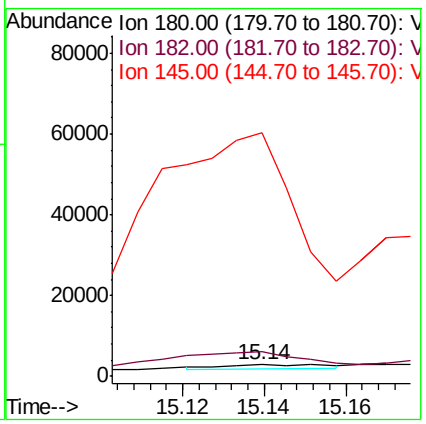


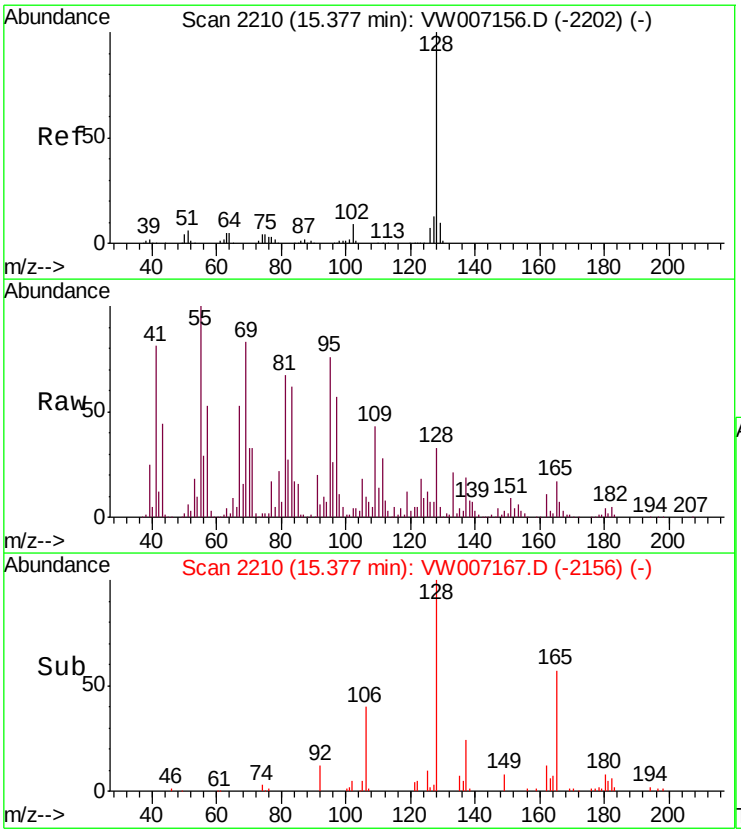
#68
1,2,4-trichlorobenzene
Concen: 1.171 ug/L
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Tgt Ion:180 Resp: 1671

Ion	Ratio	Lower	Upper
180	100		
182	708.0	75.6	113.4#
145	9792.5	26.6	39.8#

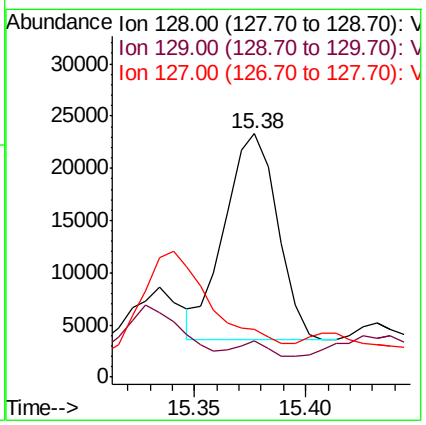


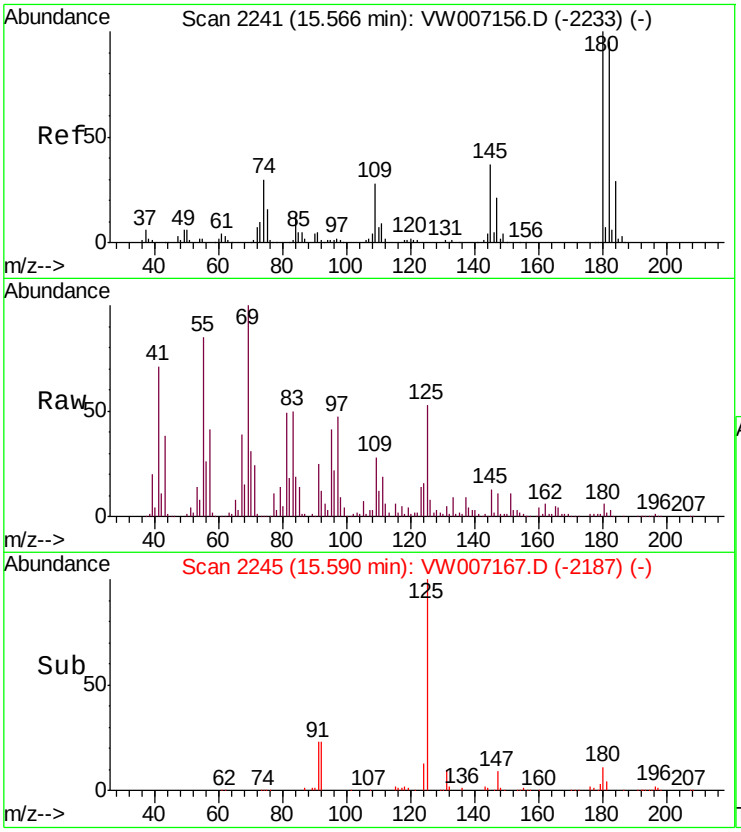


#69
Naphthalene
Concen: 10.742 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Tgt Ion:128 Resp: 32639

Ion	Ratio	Lower	Upper
128	100		
129	4.3	8.7	13.1#
127	0.0	10.9	16.3#





#70
1,2,3-Trichlorobenzene
Concen: 6.785 ug/L
RT: 15.59 min Scan# 2245
Delta R.T. 0.02 min
Lab File: VW007167.D
Acq: 03 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Tgt Ion:180 Resp: 8449

Ion	Ratio	Lower	Upper
180	100		
182	79.9	75.0	112.4
145	1215.0	28.2	42.4#