Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
Data File : VD061114.D
Acq On : 16 Mar 2019 17:27
Operator : VA/AP
Sample : K1927-01RE
Misc : 5.69g/5ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 18 02:28:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.07	168	472274	50.00	ug/l		0.03
34) 1,4-Difluorobenzene	8.23	114	890593	50.00	ug/l		0.02
63) Chlorobenzene-d5	12.37	117	587573	50.00	ug/l		0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	140621	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	7.47	65	214813	54.64	ug/l		0.03
Spiked Amount 50.000			Recovery = 109.28%				
35) Dibromofluoromethane	6.94	113	352427	53.32	ug/l		0.02
Spiked Amount 50.000			Recovery = 106.64%				
50) Toluene-d8	10.43	98	704306	42.43	ug/l		0.03
Spiked Amount 50.000			Recovery = 84.86%				
62) 4-Bromofluorobenzene	13.56	95	205056	31.84	ug/l		0.00
Spiked Amount 50.000			Recovery = 63.68%				
Target Compounds							Qvalue
11) Tert butyl alcohol	4.02	59	424	1.694	ug/l	#	75
16) Acetone	3.24	43	22343	19.876	ug/l		91
18) Methyl Acetate	3.64	43	3536	1.598	ug/l	#	59
20) Methylene Chloride	3.84	84	40881	3.653	ug/l		94
31) Cyclohexane	6.97	56	11289	1.623	ug/l	#	91
36) 1,1-Dichloropropene	7.06	75	33636	4.382	ug/l	#	43
38) Carbon Tetrachloride	7.06	117	45736	5.409	ug/l	#	15
39) Methylcyclohexane	8.88	83	60375	7.585	ug/l		96
48) Methyl methacrylate	9.18	41	5677	2.021	ug/l	#	82
52) Toluene	10.51	92	293601	24.614	ug/l		99
56) Ethyl methacrylate	11.11	69	8102	1.949	ug/l	#	1
59) 2-Hexanone	11.50	43	20571	9.200	ug/l	#	31
67) Ethyl Benzene	12.53	91	496927	28.977	ug/l		98
68) m/p-Xylenes	12.67	106	619229	91.999	ug/l		98
69) o-Xylene	13.05	106	282603	42.714	ug/l		94
70) Styrene	13.05	104	15165	1.404	ug/l	#	1
73) Isopropylbenzene	13.41	105	126852	12.517	ug/l		98
74) N-amyl acetate	13.22	43	39613	13.882	ug/l	#	59
75) 1,1,2,2-Tetrachloroethane	13.71	83	10271	5.195	ug/l	#	59
76) 1,2,3-Trichloropropane	13.85	75	7904	3.907	ug/l	#	1
78) n-propylbenzene	13.78	91	372191	31.371	ug/l		97
79) 2-Chlorotoluene	13.85	91	147435	22.572	ug/l	#	38
80) 1,3,5-Trimethylbenzene	14.24	105	1403064	182.368	ug/l		99
81) trans-1,4-Dichloro-2-buten	13.56	75	72230	121.100	ug/l	#	20
82) 4-Chlorotoluene	13.94	91	43725	5.663	ug/l	#	39
83) tert-Butylbenzene	14.24	119	160398	19.050	ug/l	#	68
84) 1,2,4-Trimethylbenzene	14.24	105	1403064	182.368	ug/l		99
85) sec-Butylbenzene	14.37	105	146166	14.220	ug/l		96
86) p-Isopropyltoluene	14.49	119	66152	7.873	ug/l		96
89) n-Butylbenzene	14.81	91	201948	25.029	ug/l		93
90) Hexachloroethane	14.98	117	43787	18.456	ug/l	#	13
92) 1,2-Dibromo-3-Chloropropan	15.38	75	1202	5.045	ug/l	#	1
95) Naphthalene	16.13	128	24737	9.112	ug/l	#	94

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
Data File : VD061114.D
Acq On : 16 Mar 2019 17:27
Operator : VA/AP
Sample : K1927-01RE
Misc : 5.69g/5ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 18 02:28:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

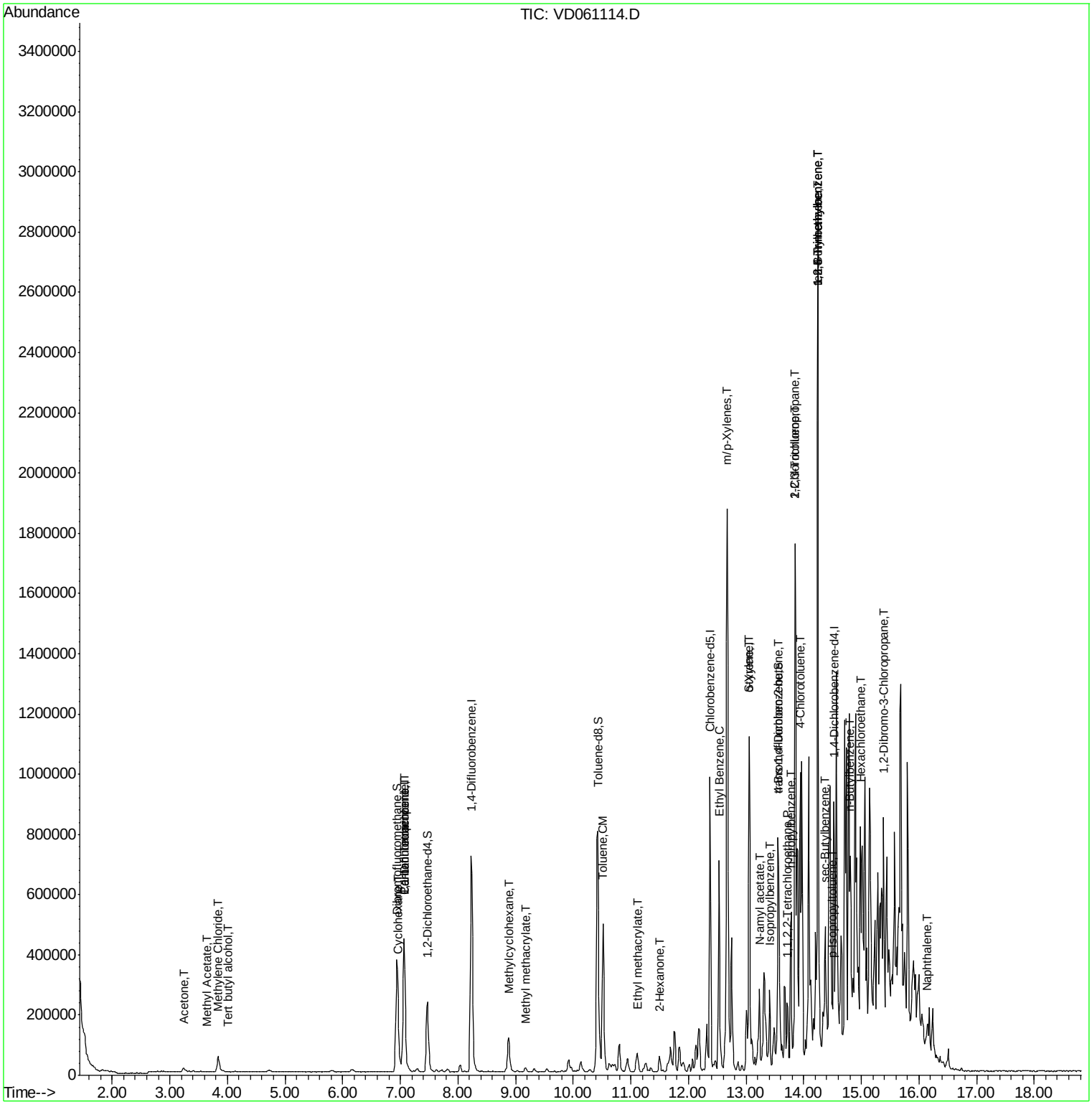
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

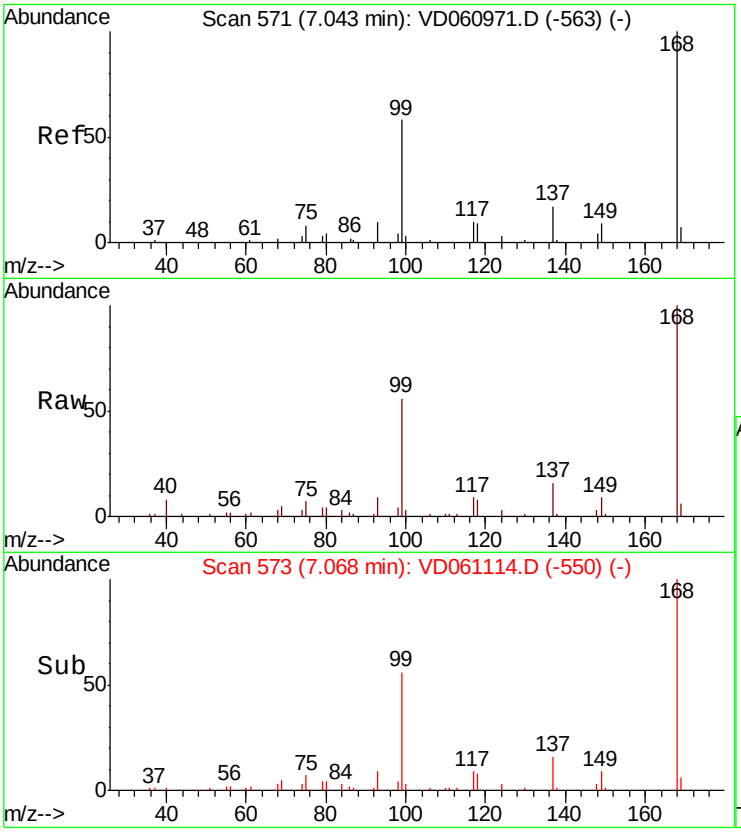
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
Data File : VD061114.D
Acq On : 16 Mar 2019 17:27
Operator : VA/AP
Sample : K1927-01RE
Misc : 5.69g/5ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 18 02:28:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

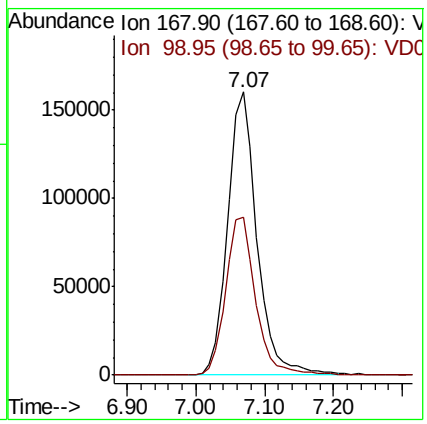


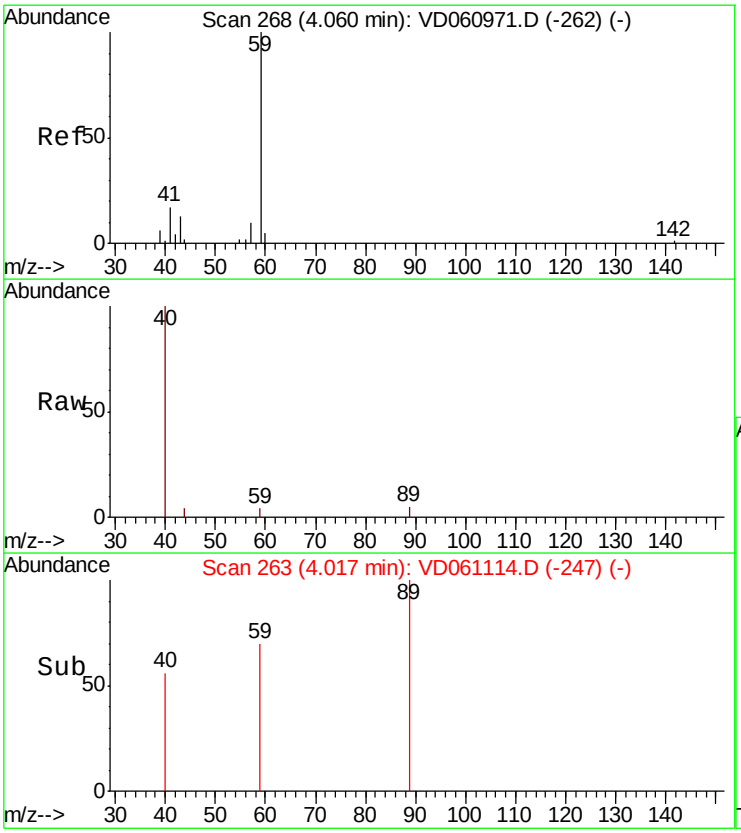


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.03 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:168 Resp: 472274

Ion	Ratio	Lower	Upper
168	100		
99	56.0	47.3	70.9

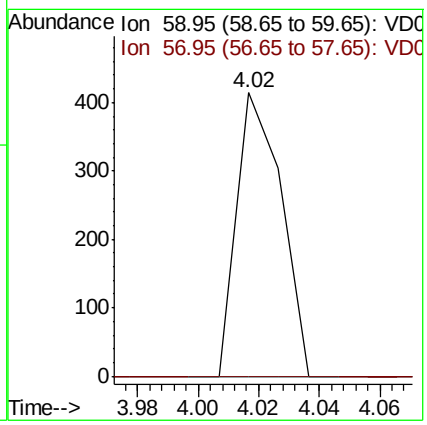


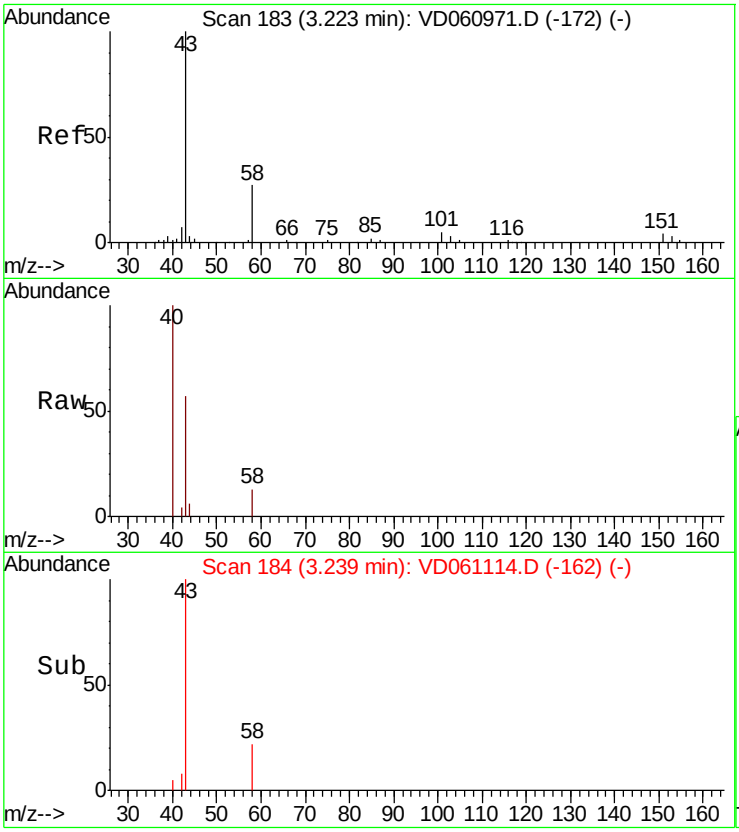


#11
Tert butyl alcohol
Concen: 1.694 ug/l
RT: 4.02 min Scan# 263
Delta R.T. -0.04 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 59 Resp: 424

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.1	10.7#

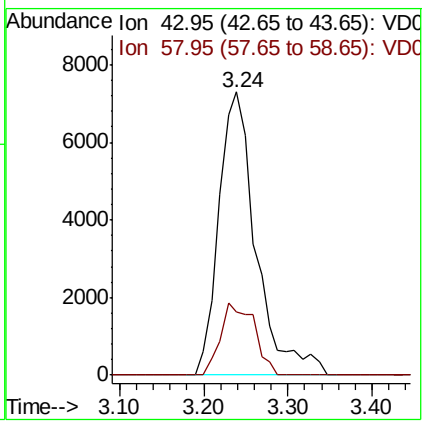


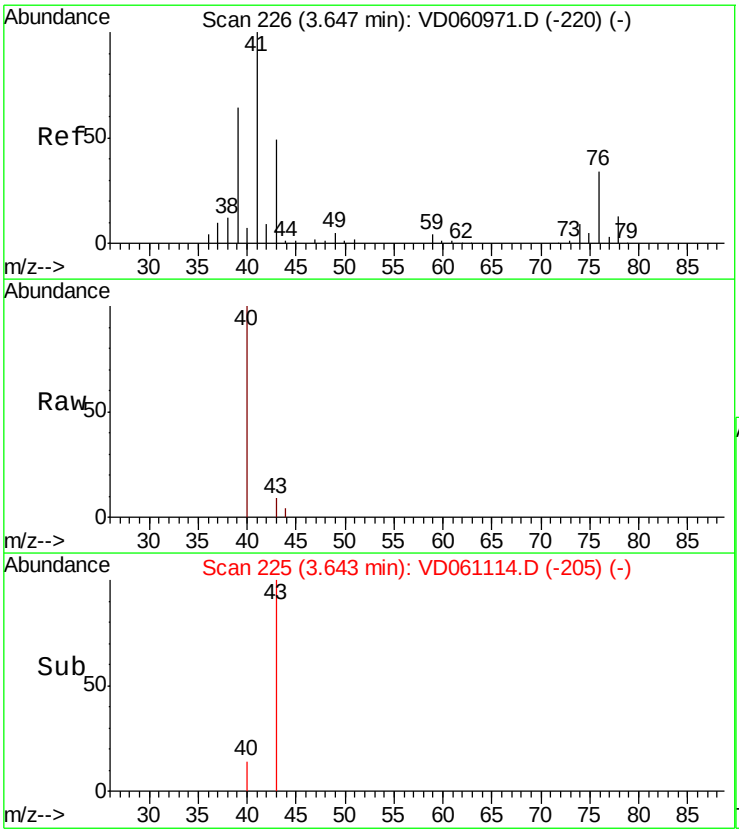


#16
Acetone
Concen: 19.876 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 43 Resp: 22343

Ion	Ratio	Lower	Upper
43	100		
58	22.4	21.6	32.4

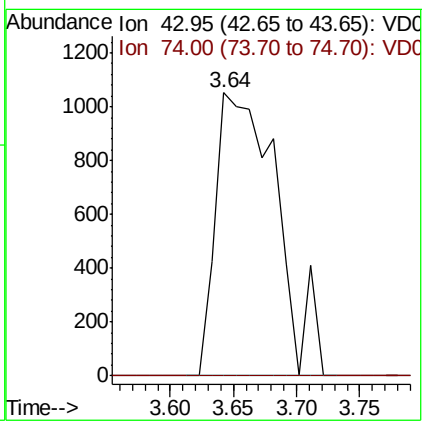


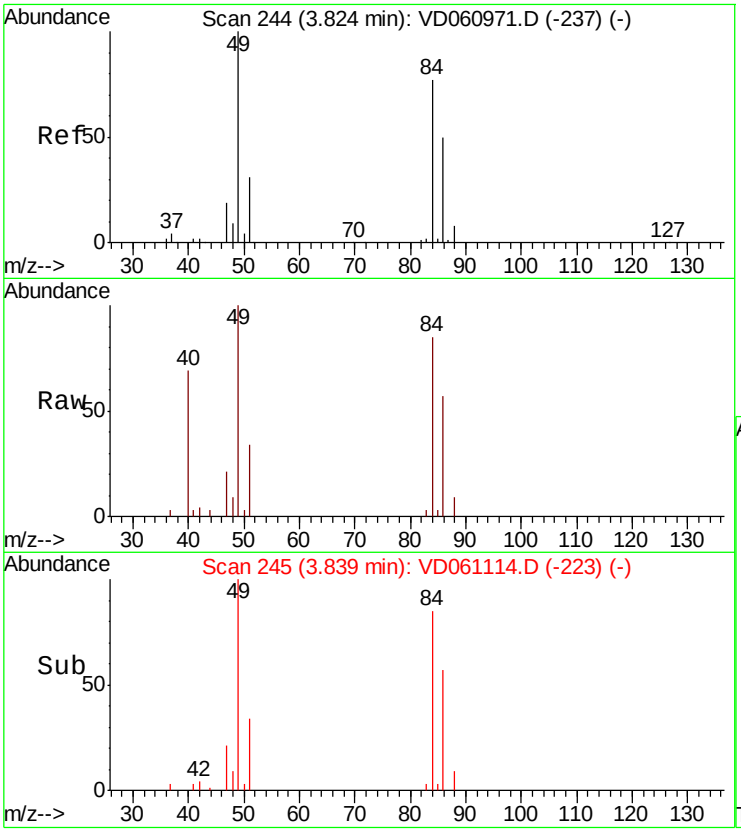


#18
Methyl Acetate
Concen: 1.598 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 43 Resp: 3536

Ion	Ratio	Lower	Upper
43	100		
74	0.0	14.6	21.8#

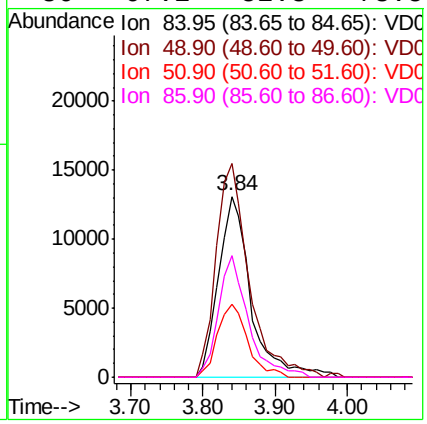


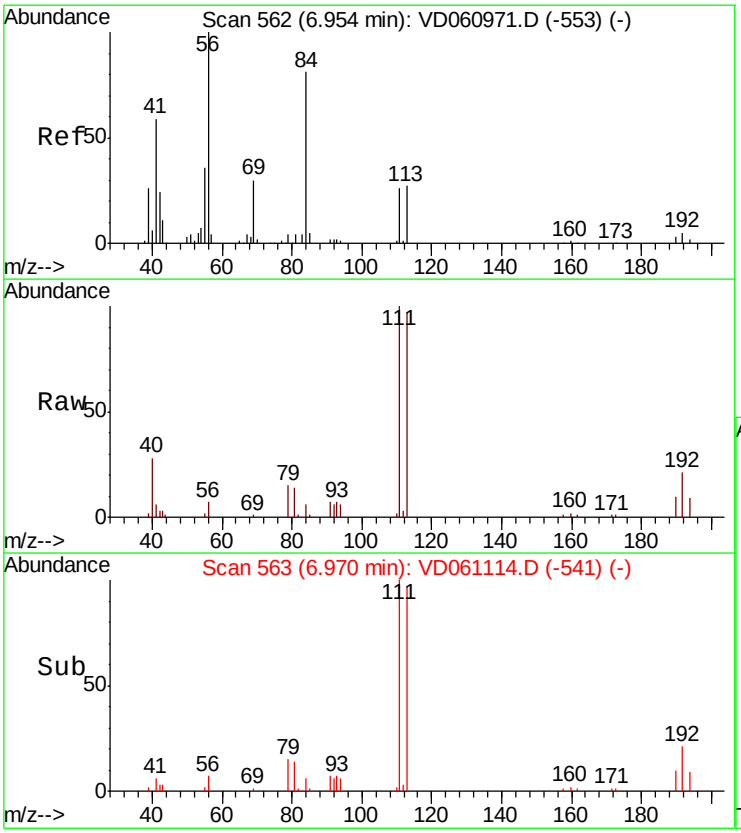


#20
Methylene Chloride
Concen: 3.653 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 84 Resp: 40881

Ion	Ratio	Lower	Upper
84	100		
49	118.0	104.2	156.2
51	40.5	32.3	48.5
86	67.2	52.3	78.5

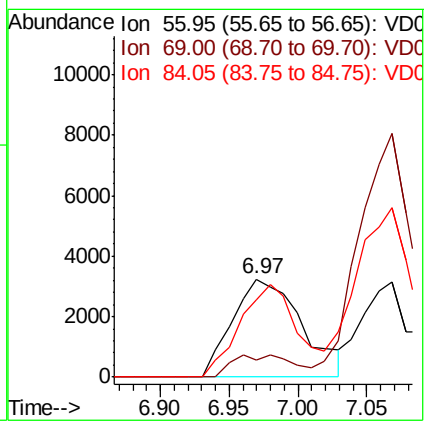


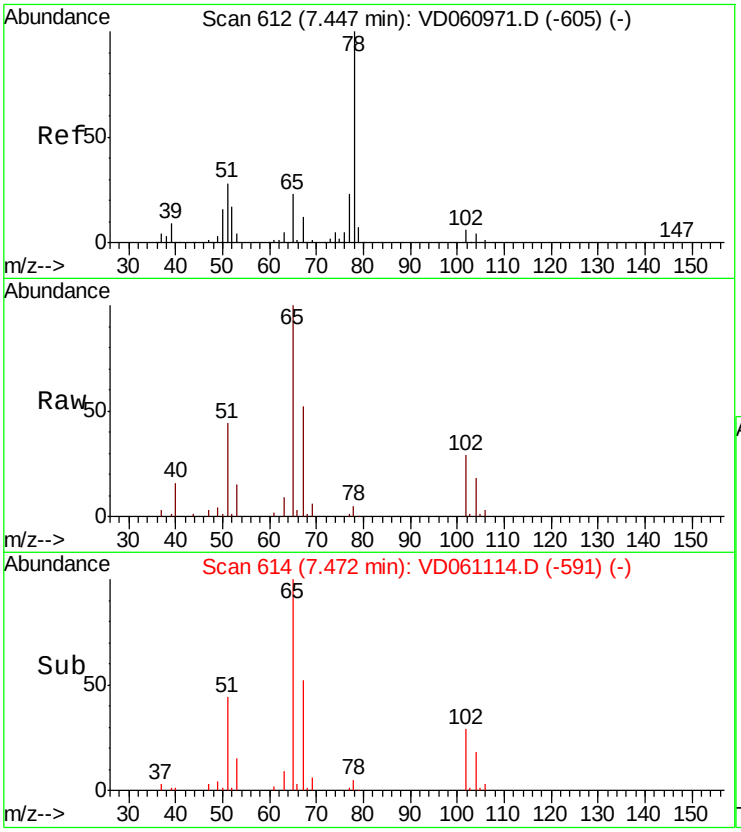


#31
Cyclohexane
Concen: 1.623 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 56 Resp: 11289

Ion	Ratio	Lower	Upper
56	100		
69	17.8	24.0	36.0#
84	78.8	65.8	98.6

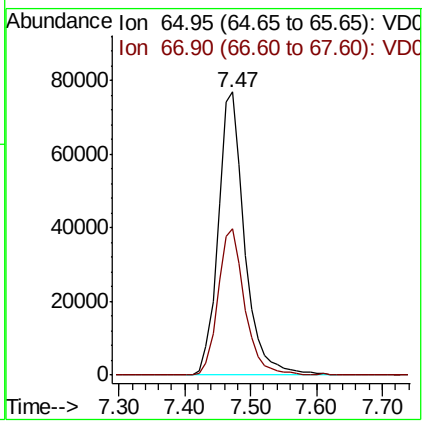


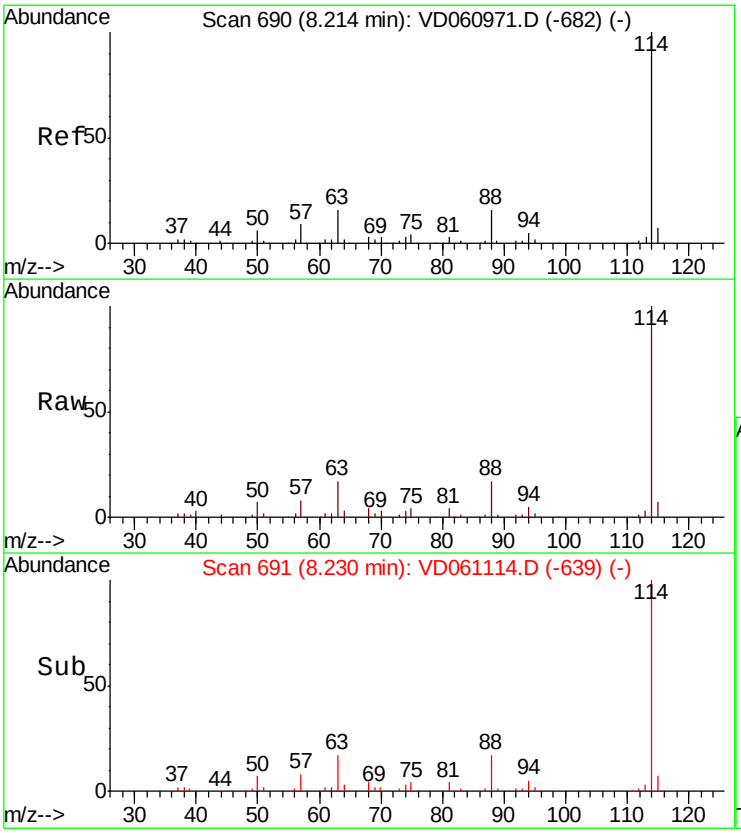


#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 65 Resp: 214813

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.2

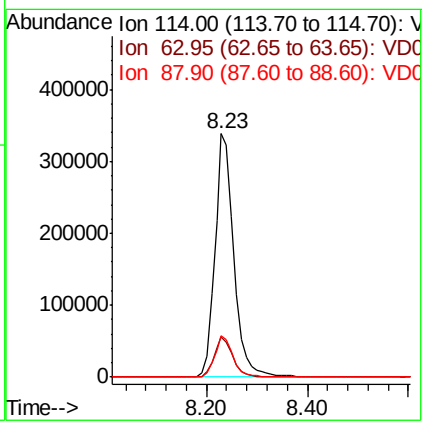


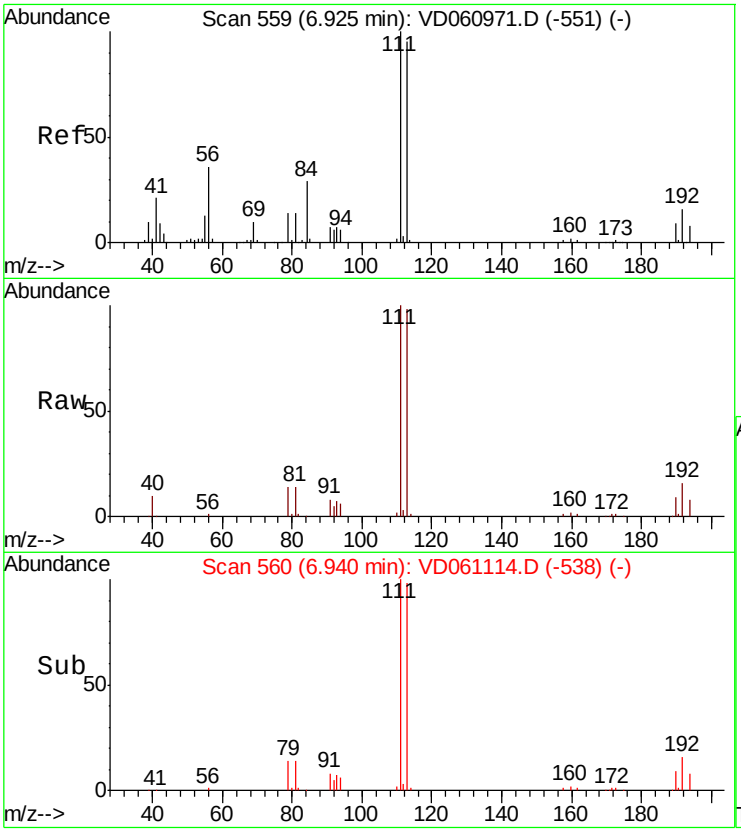


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 691
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:114 Resp: 890593

Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	31.4
88	17.0	0.0	33.0

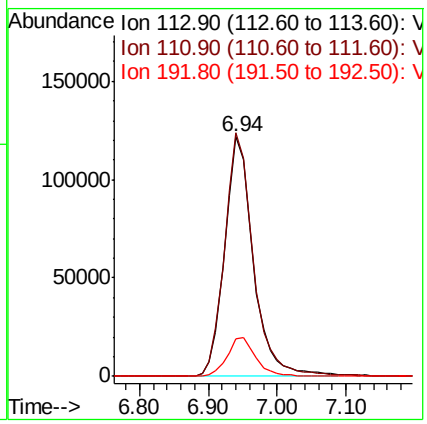


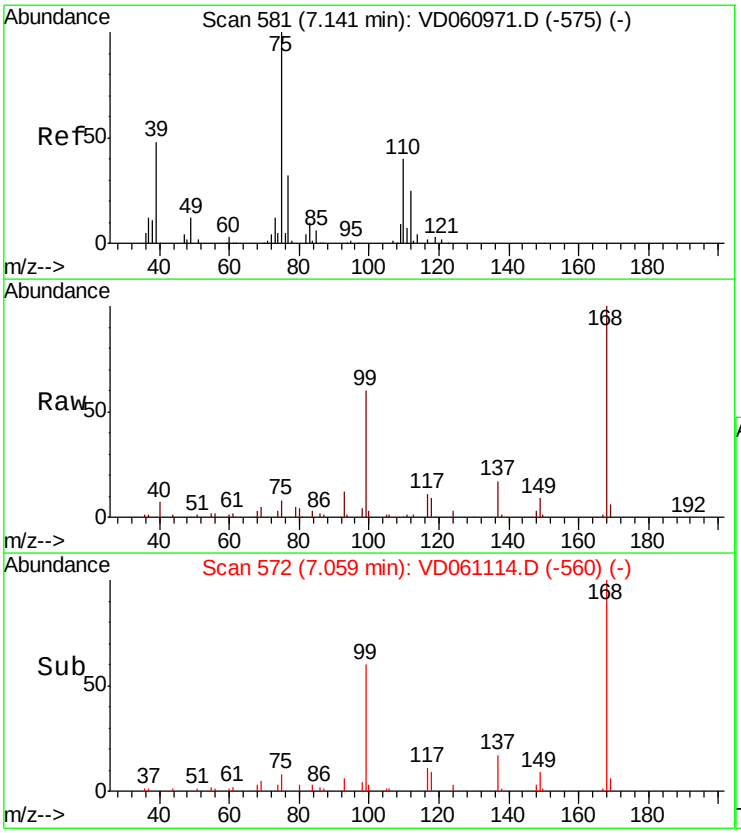


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:113 Resp: 352427

Ion	Ratio	Lower	Upper
113	100		
111	101.8	84.2	126.4
192	16.0	13.1	19.7

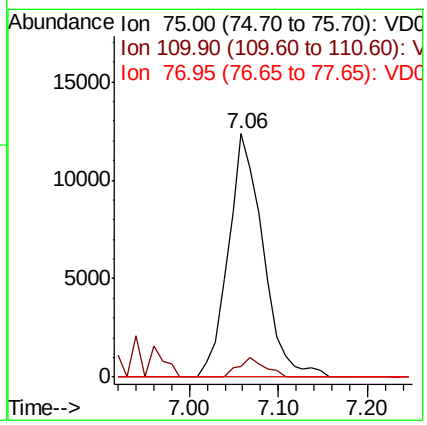


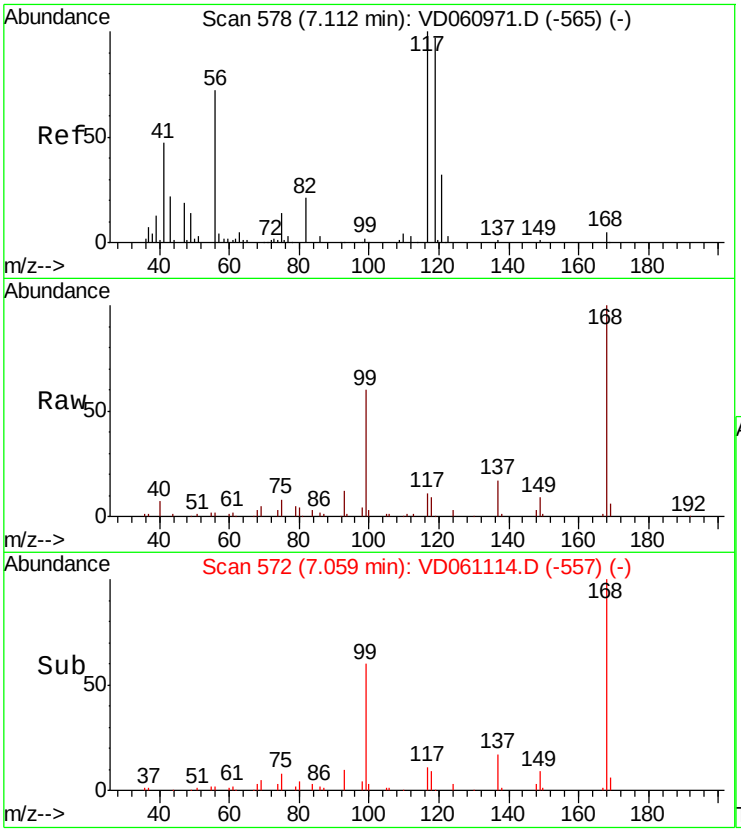


#36
1,1-Dichloropropene
Concen: 4.382 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.08 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 75 Resp: 33636

Ion	Ratio	Lower	Upper
75	100		
110	4.3	19.7	59.1#
77	0.0	24.7	37.1#

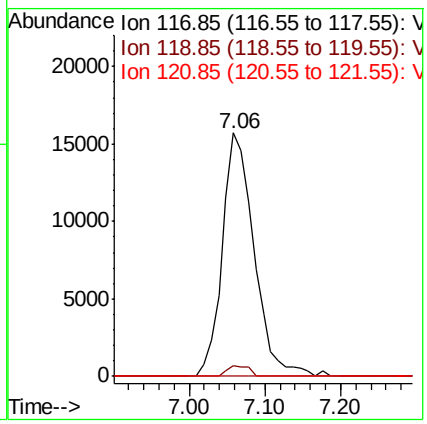


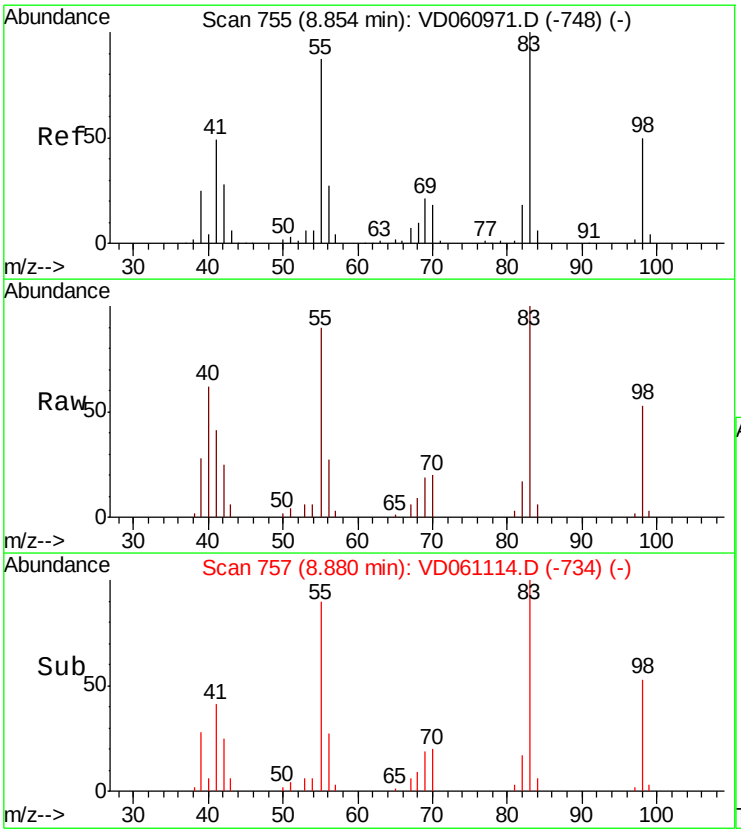


#38
Carbon Tetrachloride
Concen: 5.409 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:117 Resp: 45736

Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.8	116.8#
121	0.0	25.3	37.9#

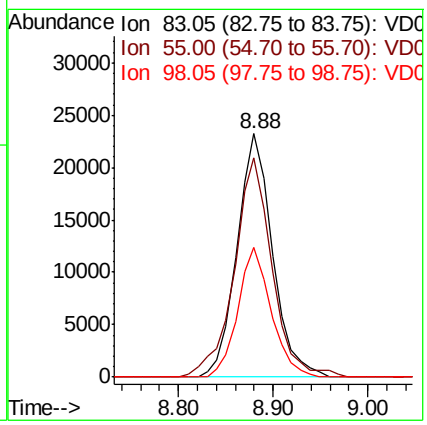


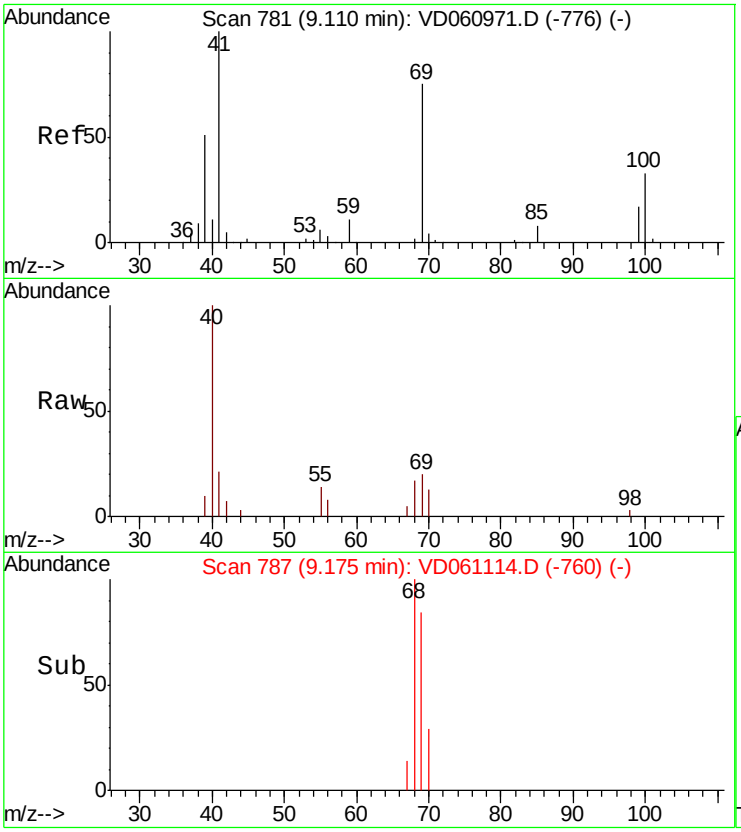


#39
Methylcyclohexane
Concen: 7.585 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.03 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 83 Resp: 60375

Ion	Ratio	Lower	Upper
83	100		
55	90.1	69.6	104.4
98	53.4	40.0	60.0

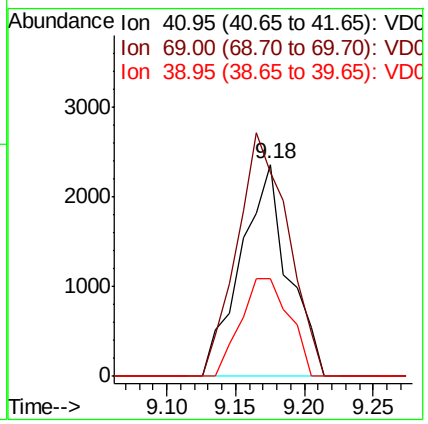


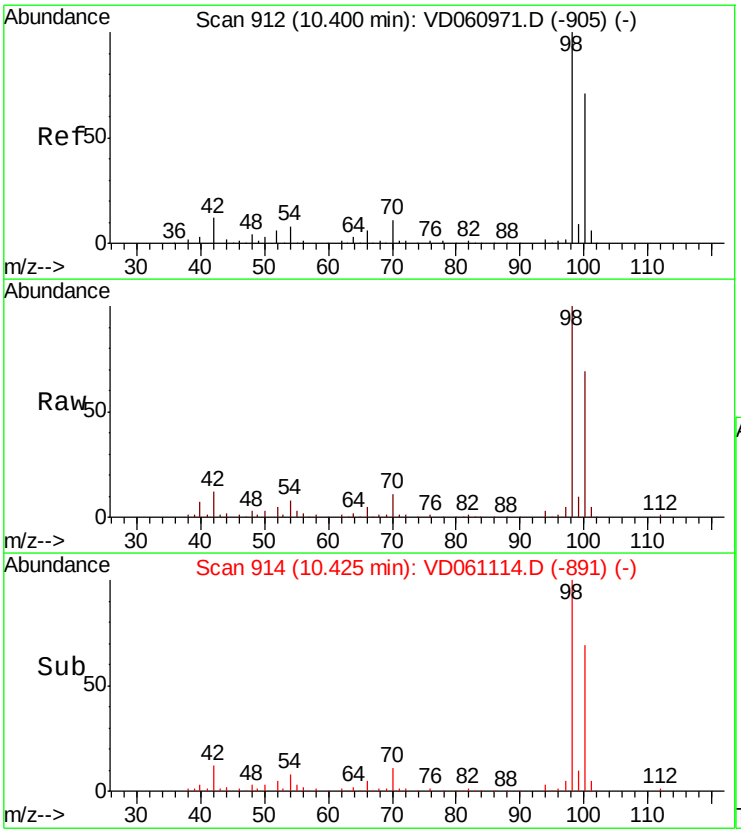


#48
Methyl methacrylate
Concen: 2.021 ug/l
RT: 9.18 min Scan# 787
Delta R.T. 0.06 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 41 Resp: 5677

Ion	Ratio	Lower	Upper
41	100		
69	96.3	59.9	89.9#
39	46.1	40.9	61.3

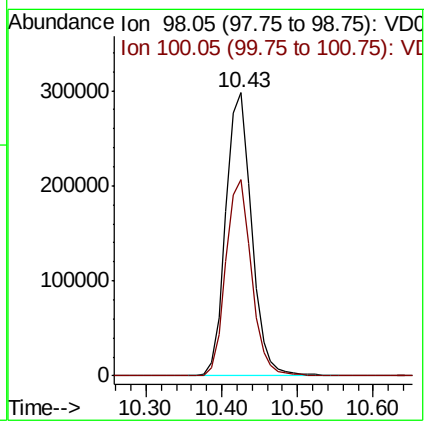


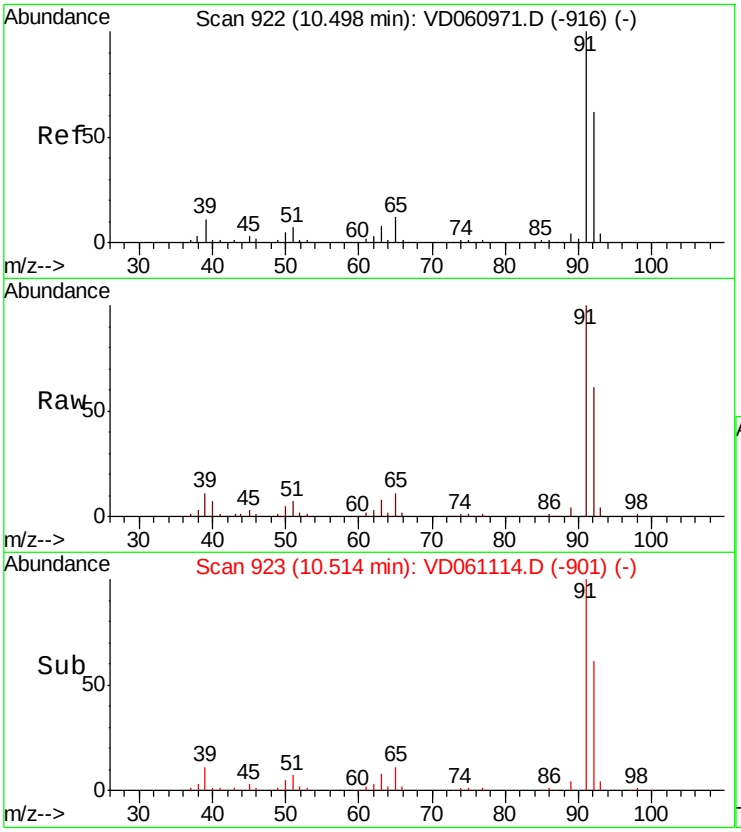


#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 98 Resp: 704306

Ion	Ratio	Lower	Upper
98	100		
100	69.2	57.4	86.2

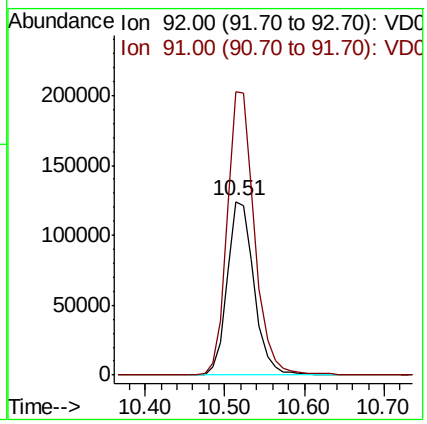


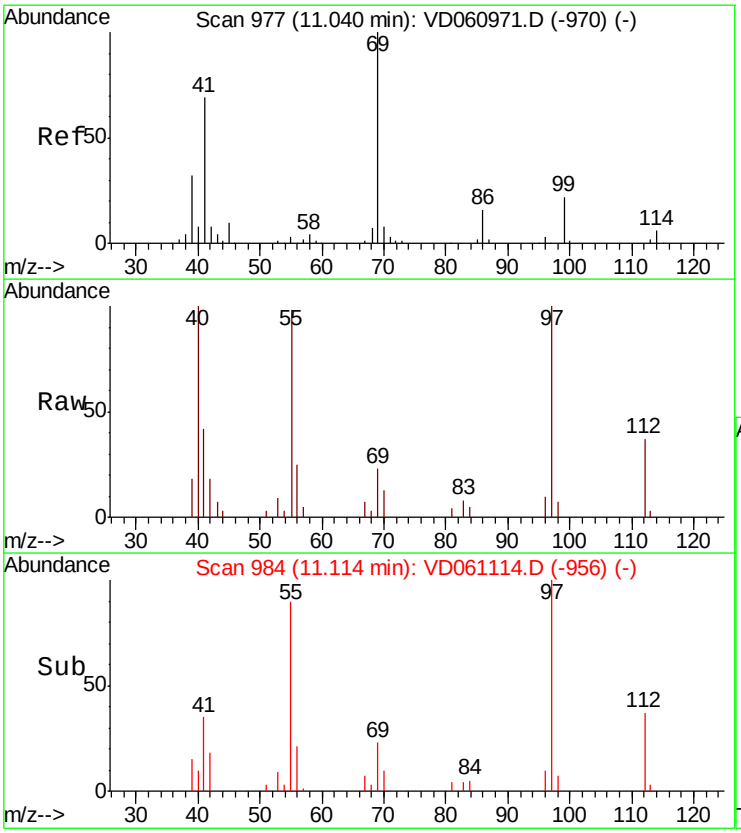


#52
Toluene
Concen: 24.614 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 92 Resp: 293601

Ion	Ratio	Lower	Upper
92	100		
91	163.3	129.8	194.8

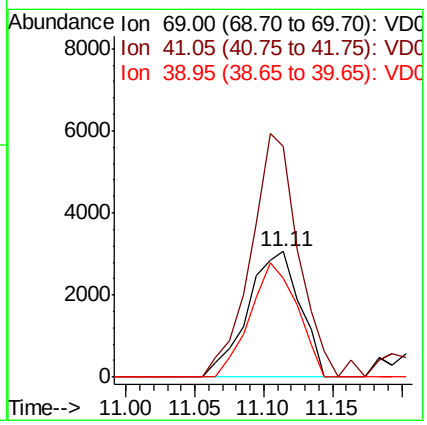


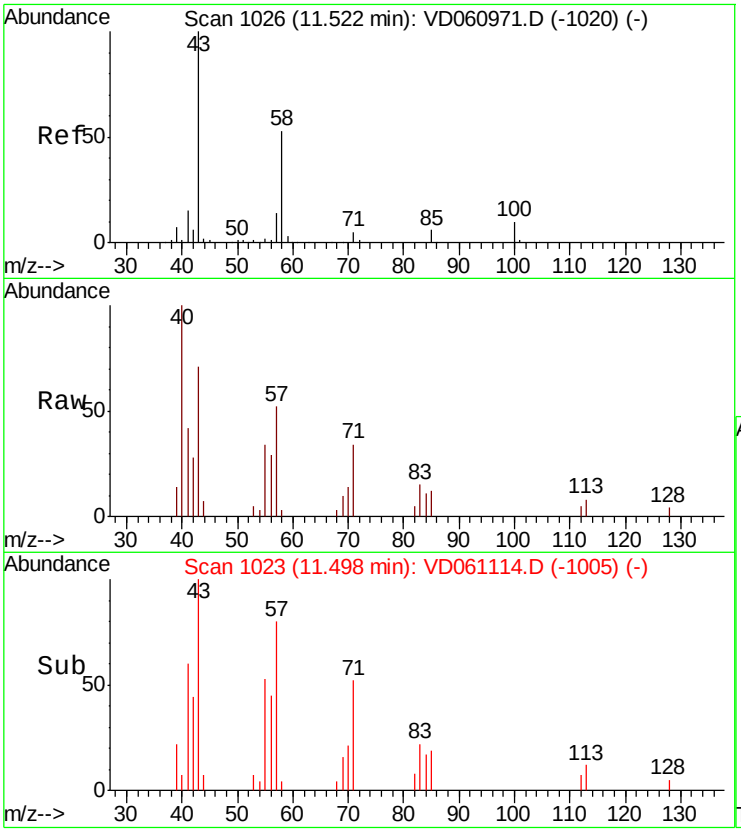


#56
Ethyl methacrylate
Concen: 1.949 ug/l
RT: 11.11 min Scan# 984
Delta R.T. 0.07 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 69 Resp: 8102

Ion	Ratio	Lower	Upper
69	100		
41	183.8	55.5	83.3#
39	78.5	26.2	39.2#

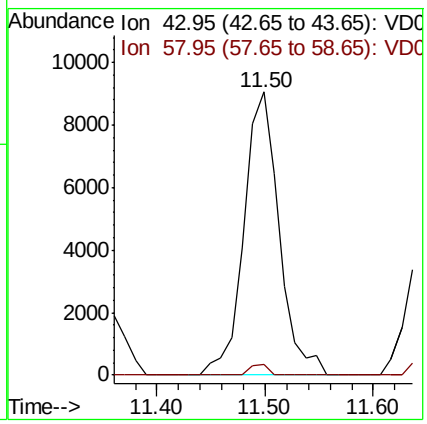


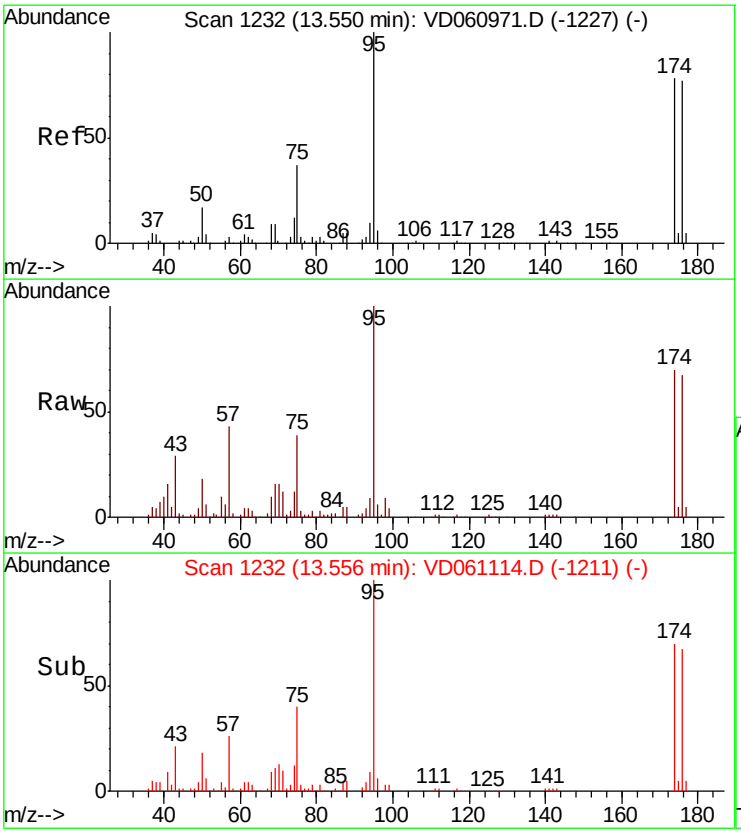


#59
2-Hexanone
Concen: 9.200 ug/l
RT: 11.50 min Scan# 1023
Delta R.T. -0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 43 Resp: 20571

Ion	Ratio	Lower	Upper
43	100		
58	3.7	26.5	79.5#

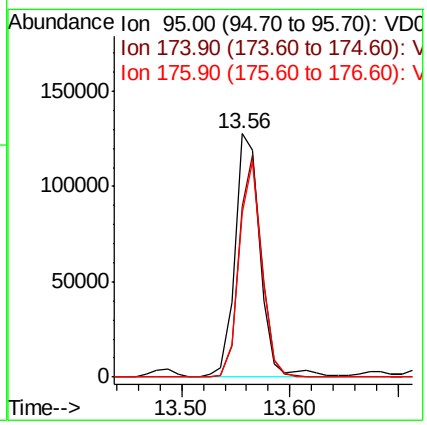


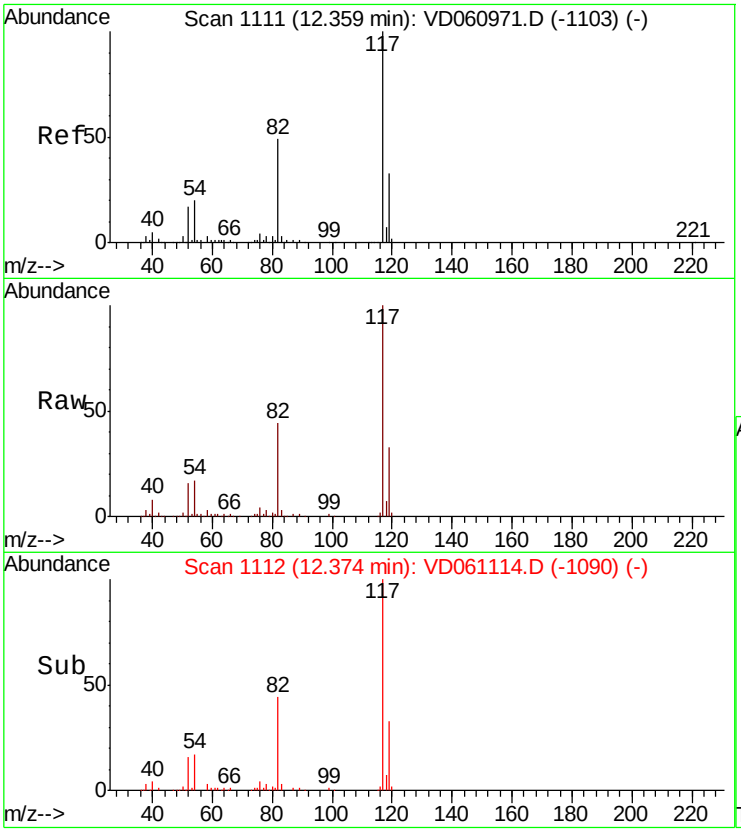


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 95 Resp: 205056

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	155.6
176	67.3	0.0	153.8

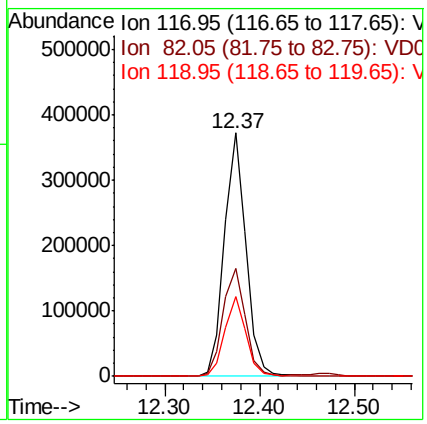


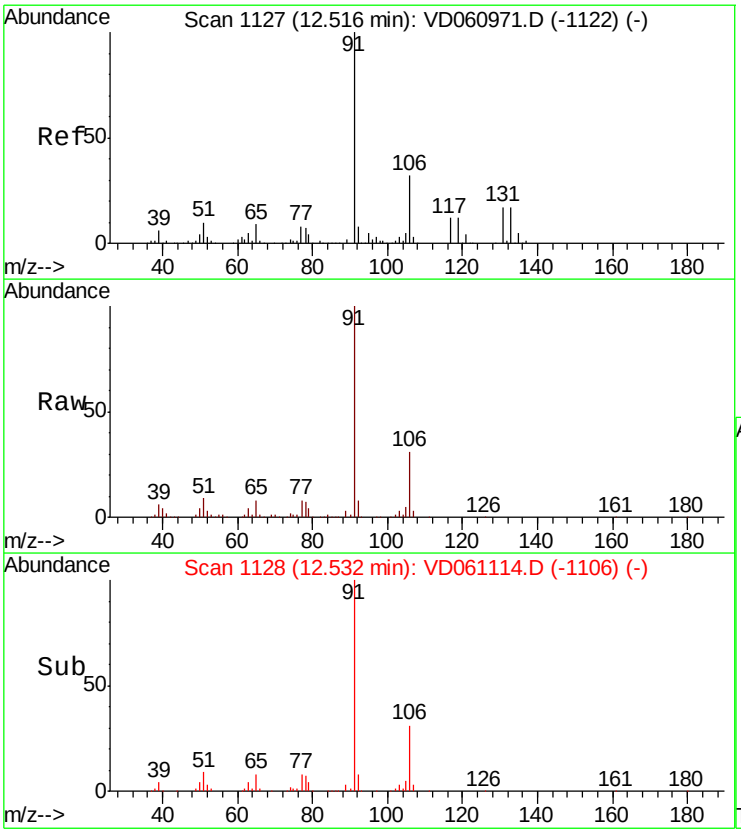


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:117 Resp: 587573

Ion	Ratio	Lower	Upper
117	100		
82	44.5	38.9	58.3
119	32.6	26.6	39.8

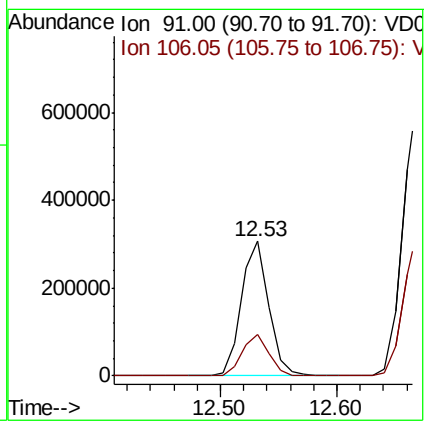


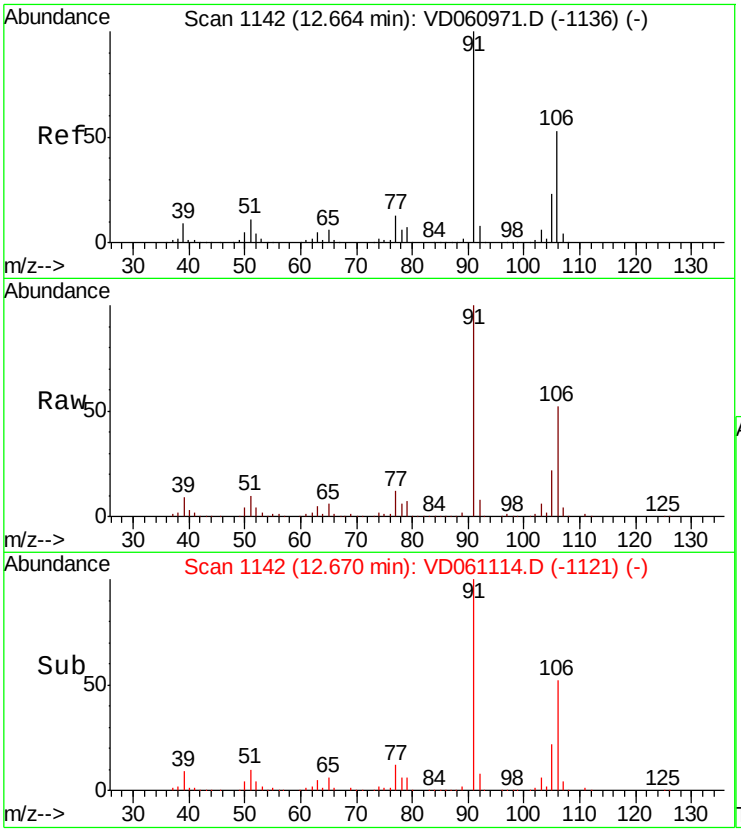


#67
Ethyl Benzene
Concen: 28.977 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 91 Resp: 496927

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.7	38.5

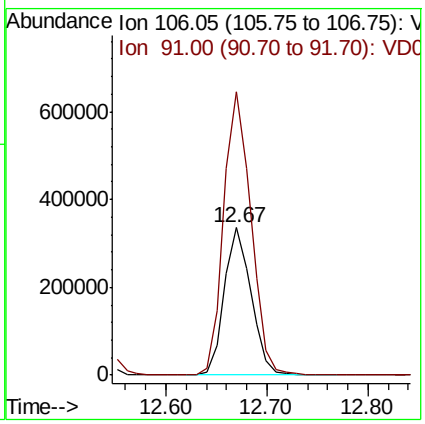


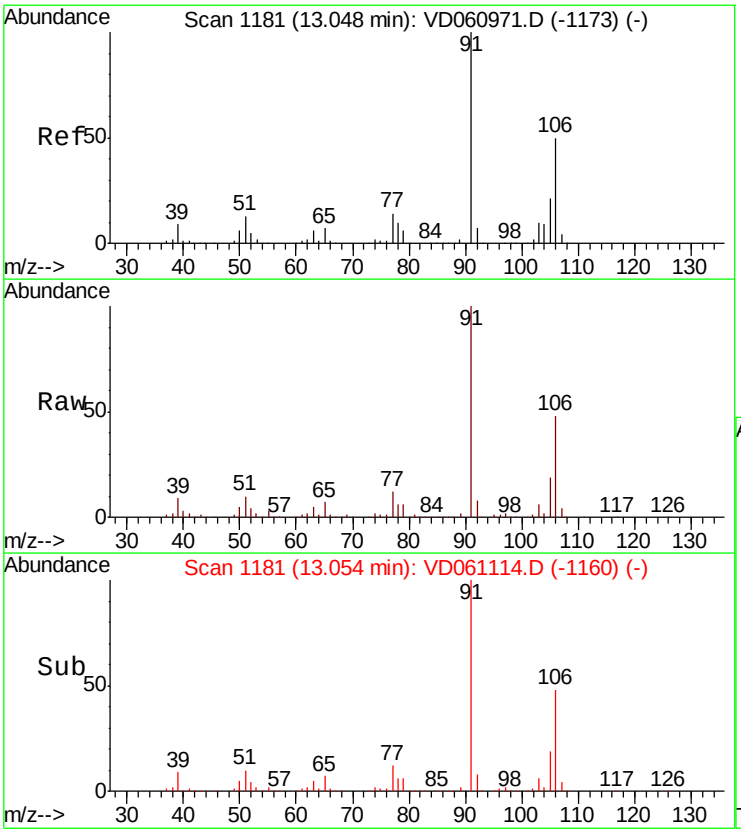


#68
m/p-Xylenes
Concen: 91.999 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:106 Resp: 619229

Ion	Ratio	Lower	Upper
106	100		
91	192.3	152.0	228.0

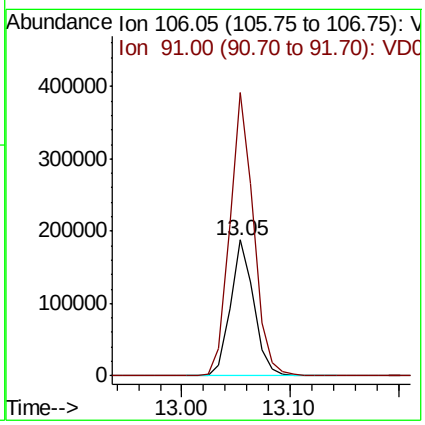


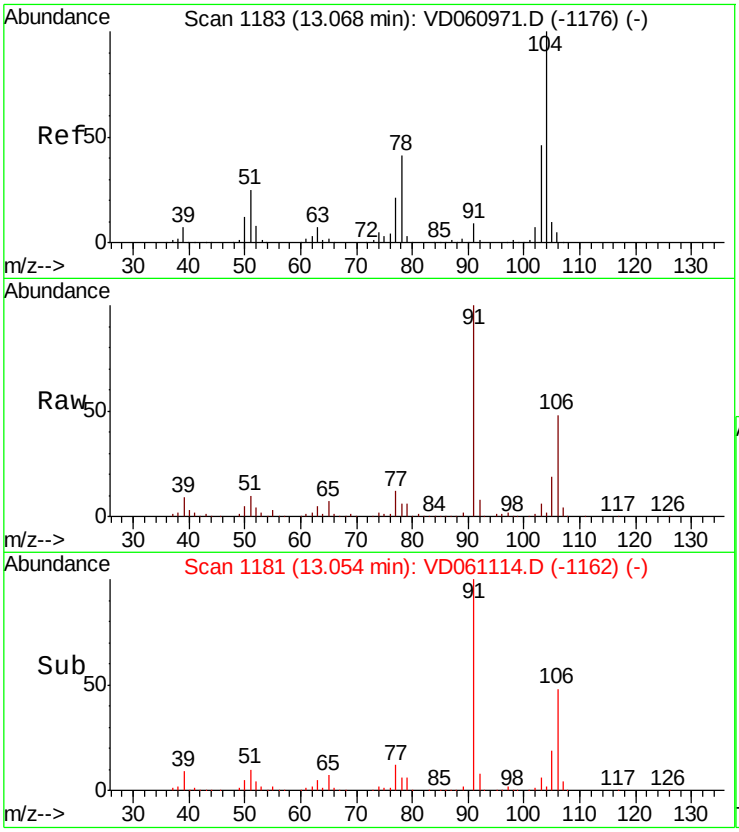


#69
o-Xylene
Concen: 42.714 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:106 Resp: 282603

Ion	Ratio	Lower	Upper
106	100		
91	208.5	99.8	299.3

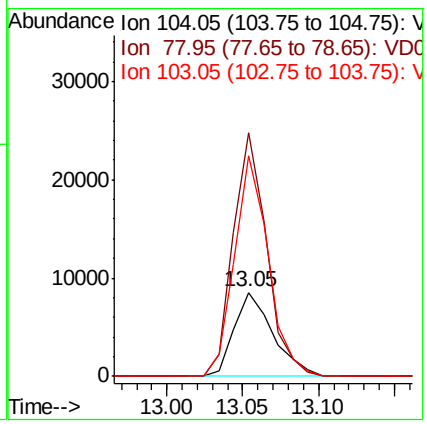


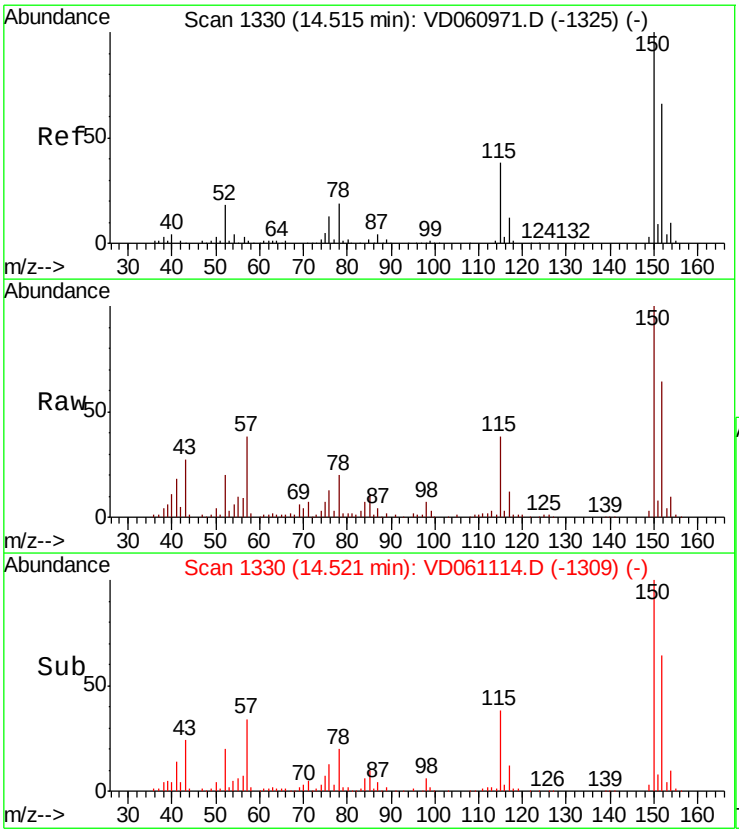


#70
Styrene
Concen: 1.404 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:104 Resp: 15165

Ion	Ratio	Lower	Upper
104	100		
78	289.9	33.0	49.4#
103	262.2	37.1	55.7#

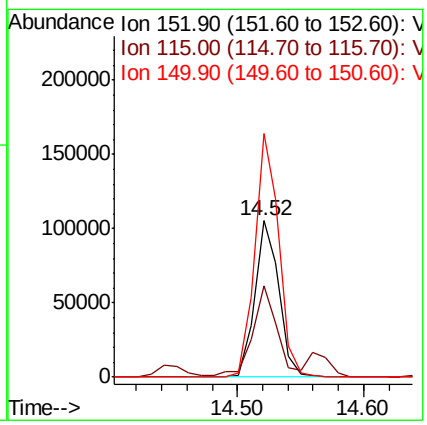


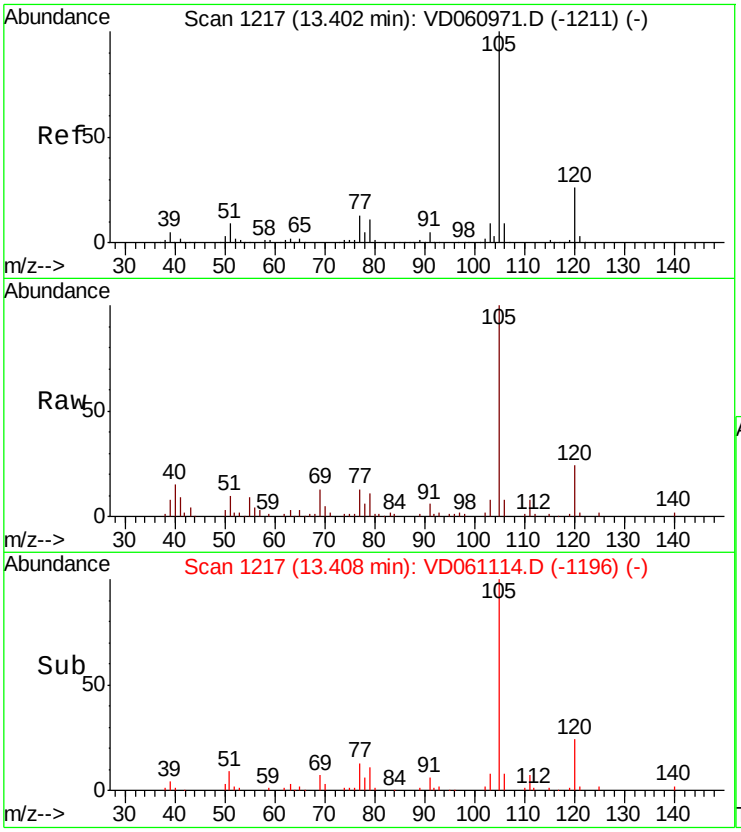


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:152 Resp: 140621

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.6	85.9
150	155.6	0.0	310.6

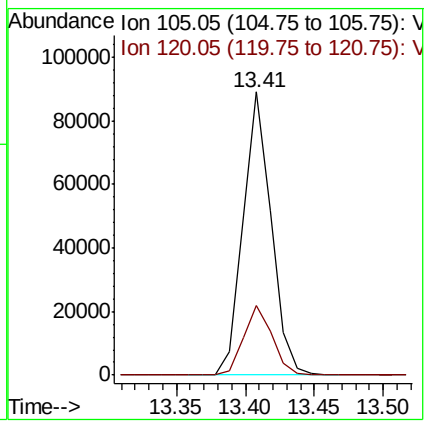


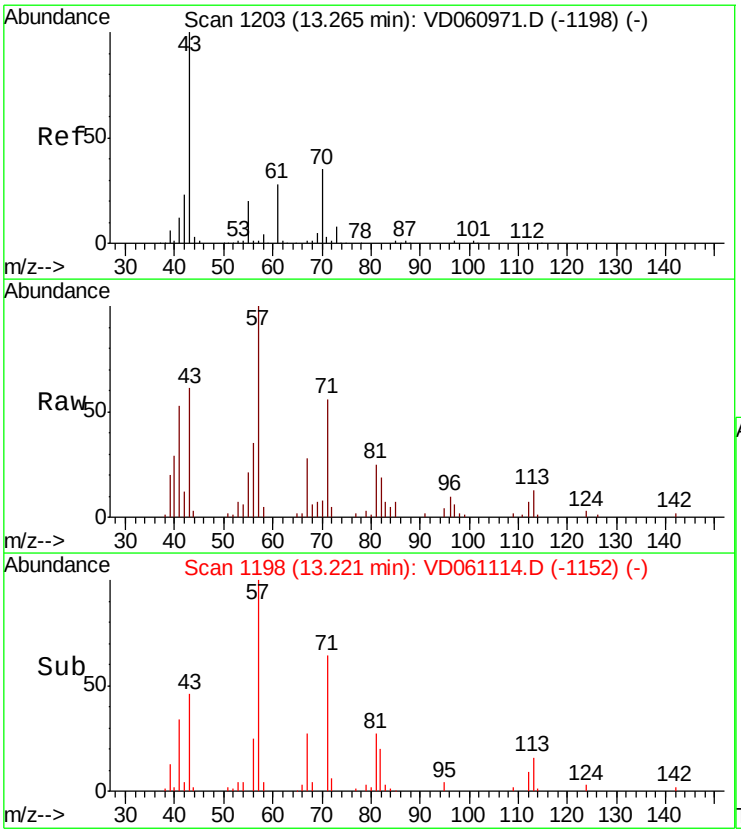


#73
Isopropylbenzene
Concen: 12.517 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:105 Resp: 126852

Ion	Ratio	Lower	Upper
105	100		
120	24.4	12.8	38.4

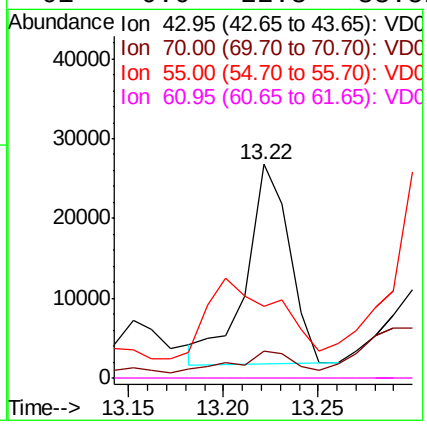


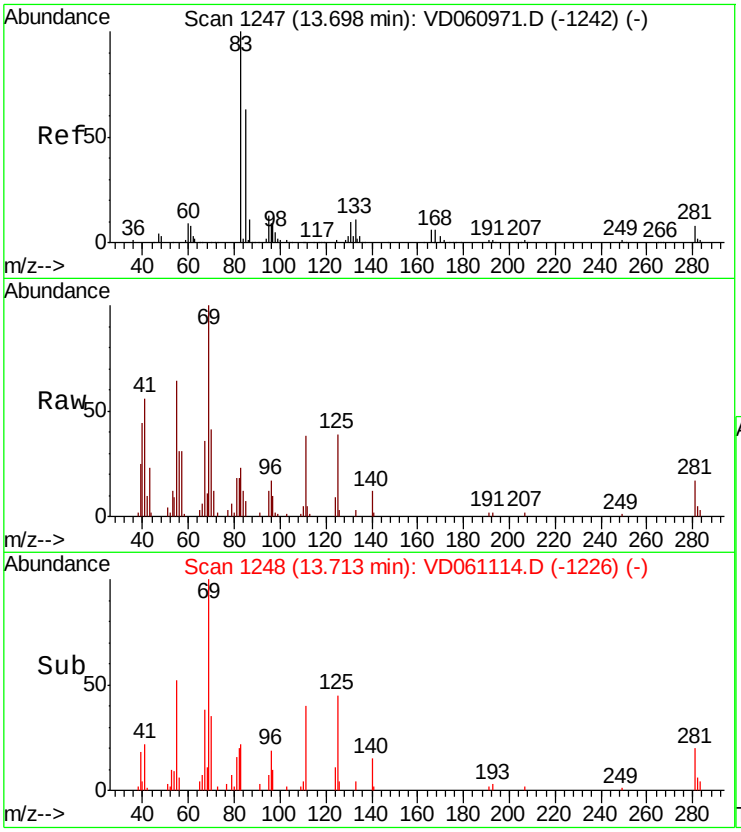


#74
N-amyl acetate
Concen: 13.882 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.04 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 43 Resp: 39613

Ion	Ratio	Lower	Upper
43	100		
70	12.4	27.7	41.5#
55	33.8	16.2	24.2#
61	0.0	22.3	33.5#

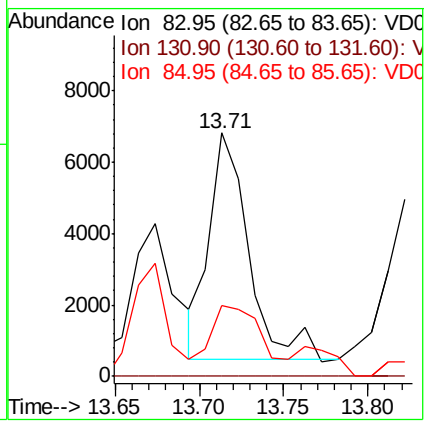


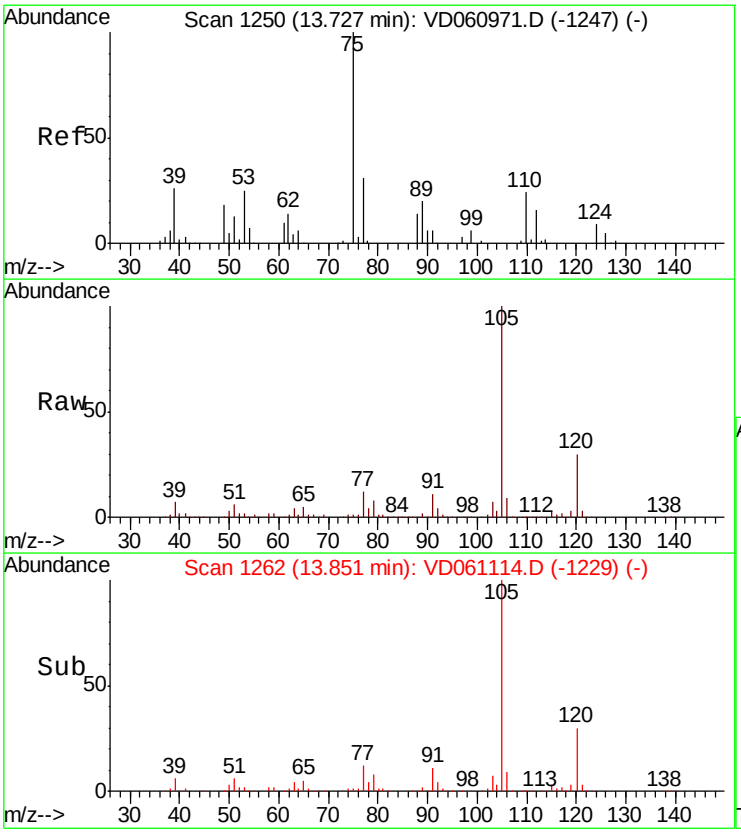


#75
1,1,2,2-Tetrachloroethane
Concen: 5.195 ug/l
RT: 13.71 min Scan# 1248
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 83 Resp: 10271

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.3#
85	29.2	31.5	94.5#

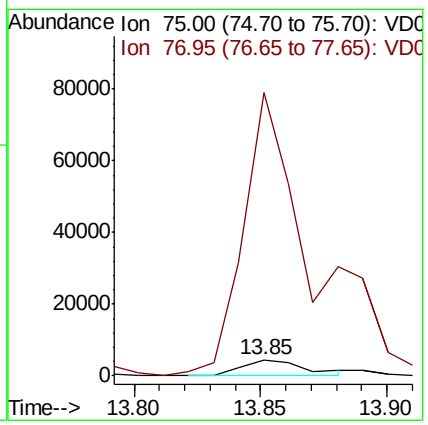


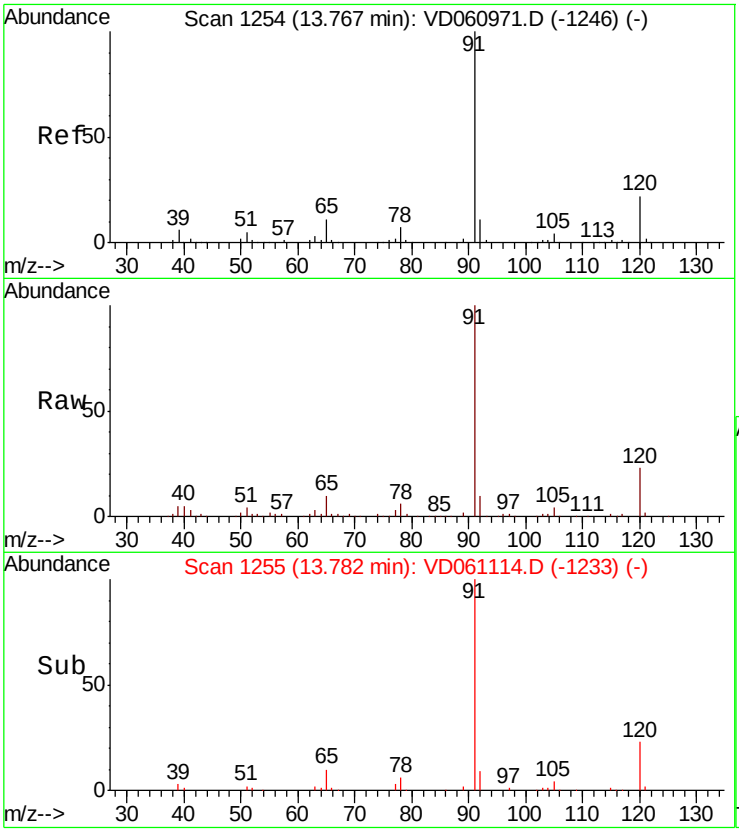


#76
1,2,3-Trichloropropane
Concen: 3.907 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.12 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 75 Resp: 7904

Ion	Ratio	Lower	Upper
75	100		
77	1716.4	16.6	49.7#

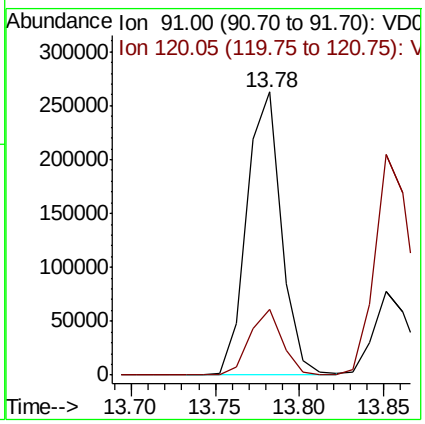


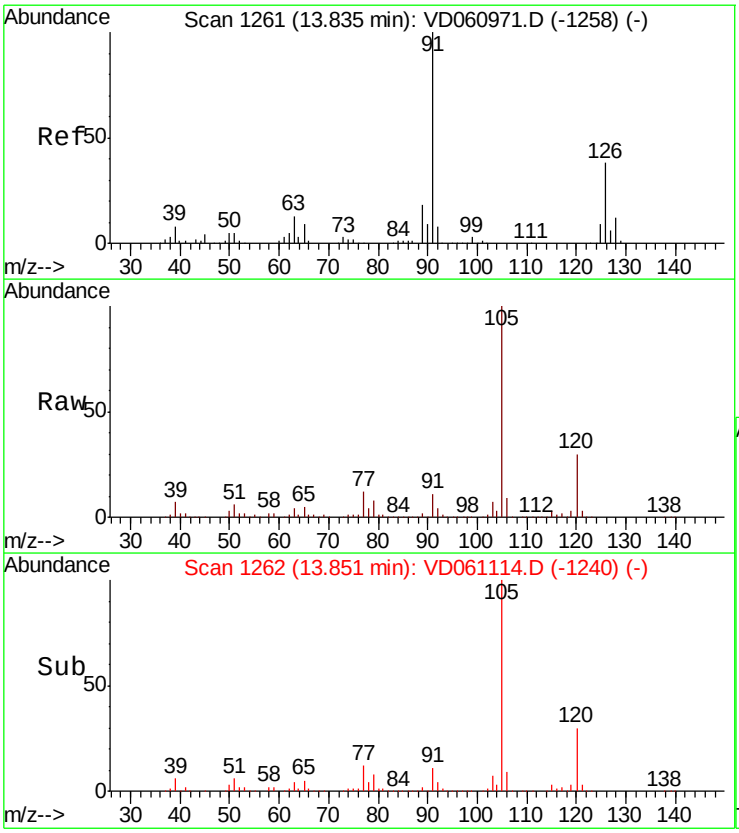


#78
n-propylbenzene
Concen: 31.371 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 91 Resp: 372191

Ion	Ratio	Lower	Upper
91	100		
120	23.0	10.8	32.3

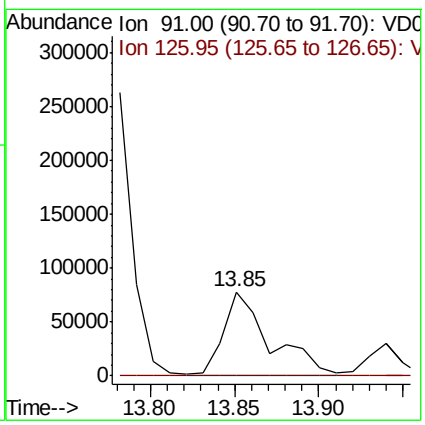


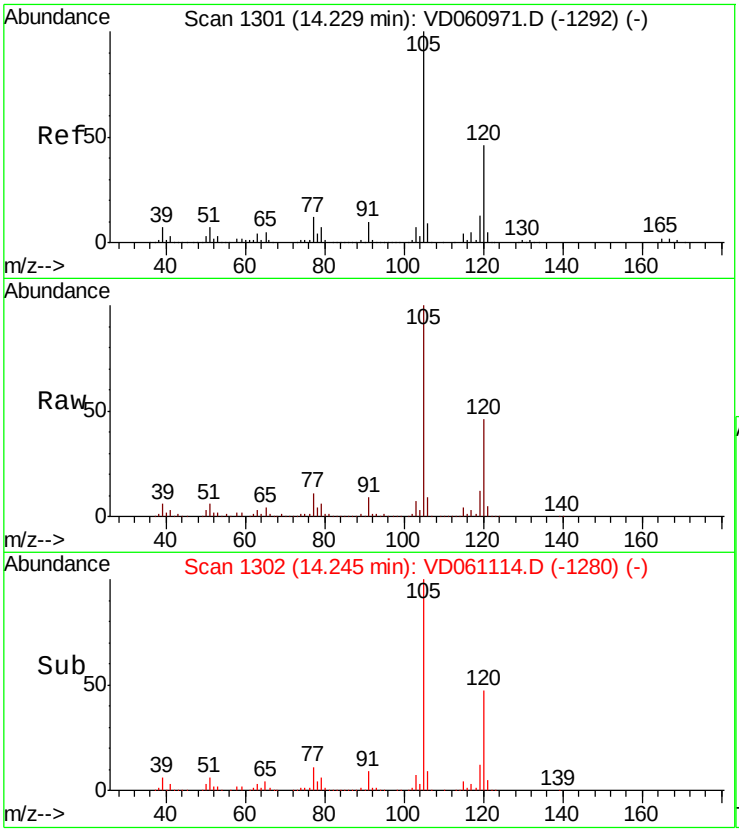


#79
2-Chlorotoluene
Concen: 22.572 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 91 Resp: 147435

Ion	Ratio	Lower	Upper
91	100		
126	0.0	18.6	55.6#

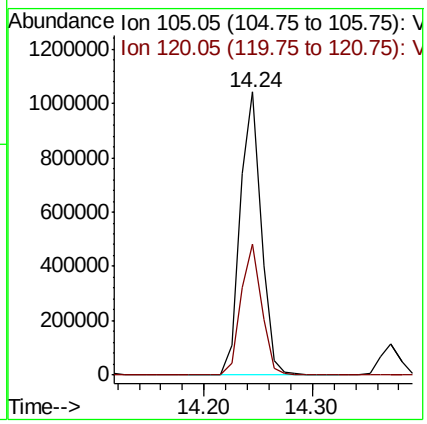


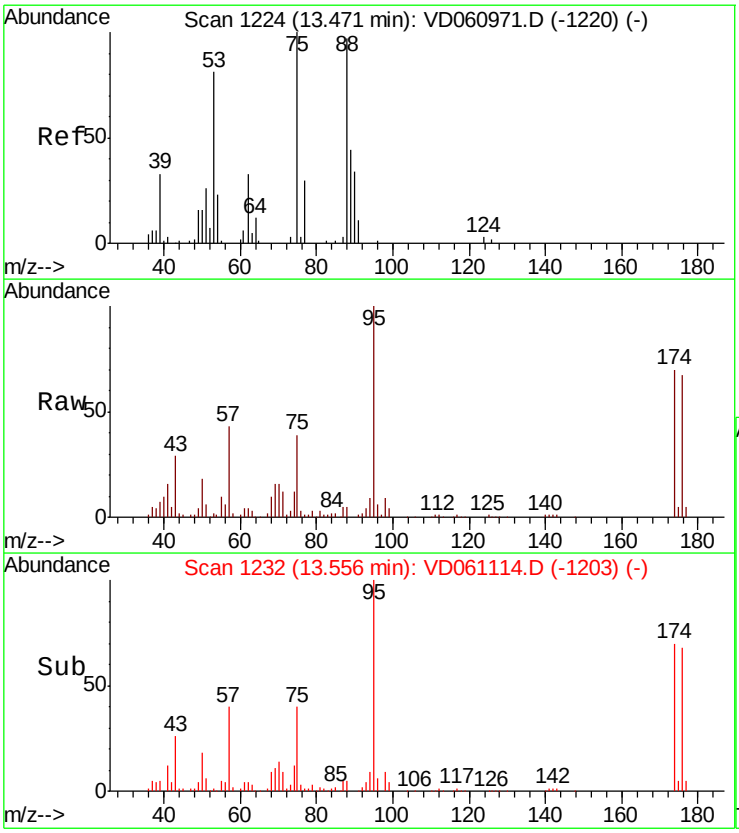


#80
1,3,5-Trimethylbenzene
Concen: 182.368 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:105 Resp: 1403064

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.5

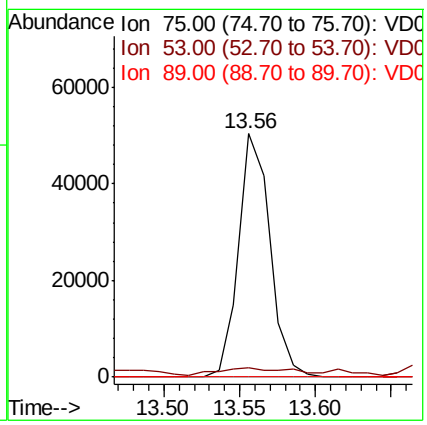


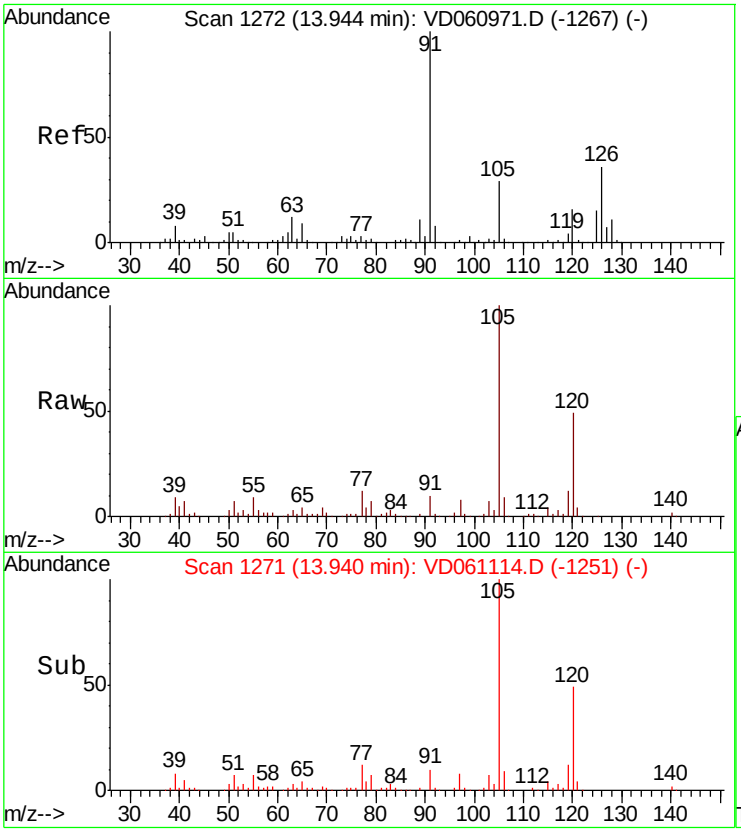


#81
trans-1,4-Dichloro-2-butene
Concen: 121.100 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 75 Resp: 72230

Ion	Ratio	Lower	Upper
75	100		
53	4.0	64.4	96.6#
89	0.0	34.8	52.2#

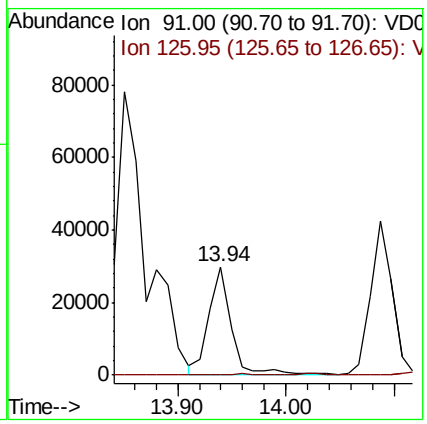


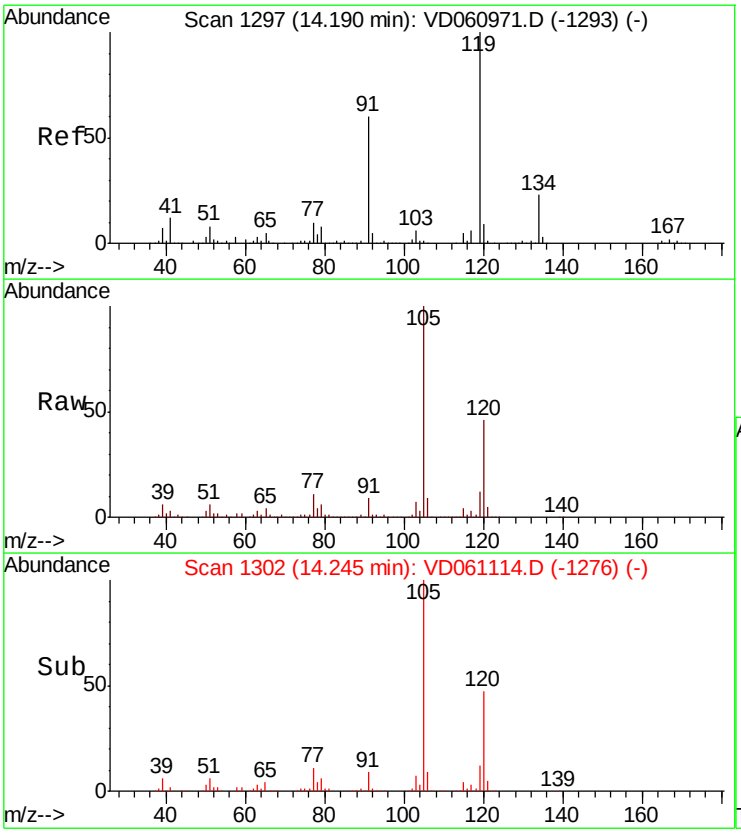


#82
4-Chlorotoluene
Concen: 5.663 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 91 Resp: 43725

Ion	Ratio	Lower	Upper
91	100		
126	0.0	18.0	54.0#

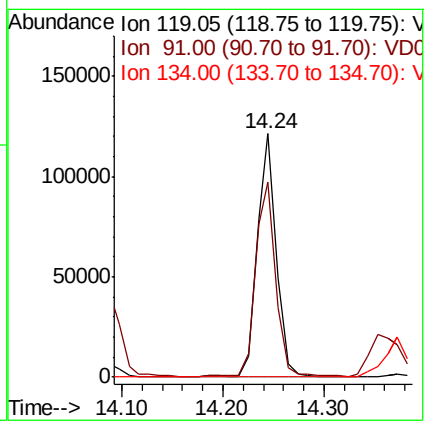


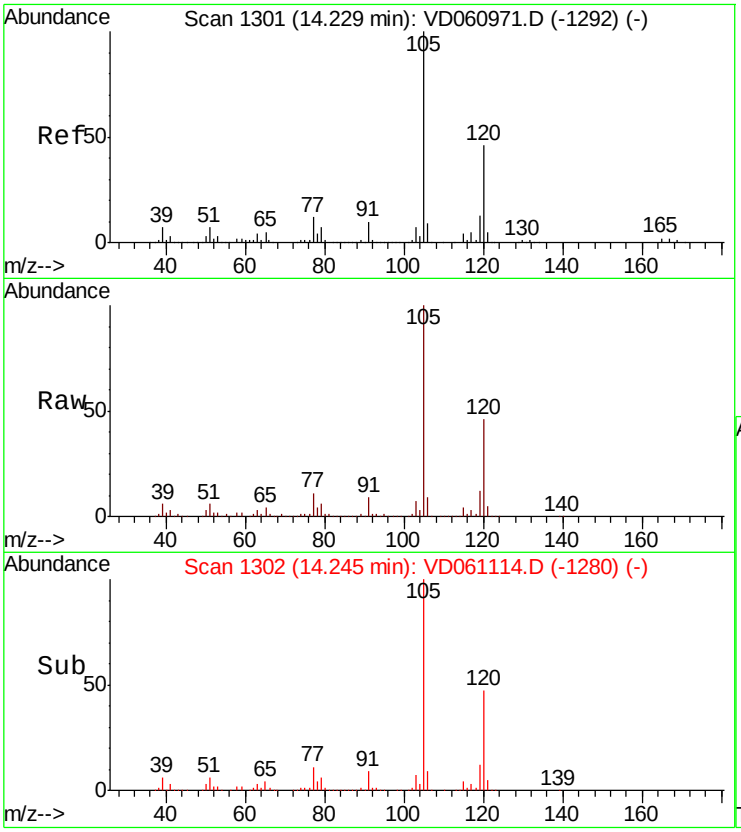


#83
tert-Butylbenzene
Concen: 19.050 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.06 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:119 Resp: 160398

Ion	Ratio	Lower	Upper
119	100		
91	80.2	30.1	90.3
134	0.0	11.6	34.7#

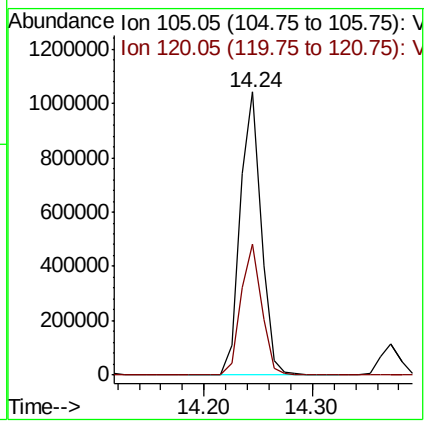


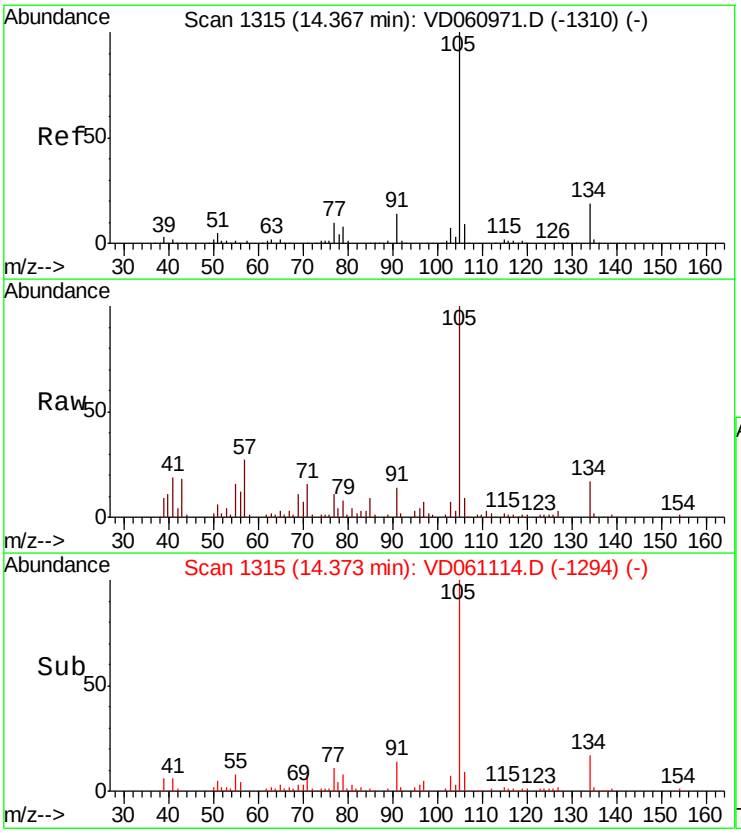


#84
1,2,4-Trimethylbenzene
Concen: 182.368 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:105 Resp: 1403064

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.5

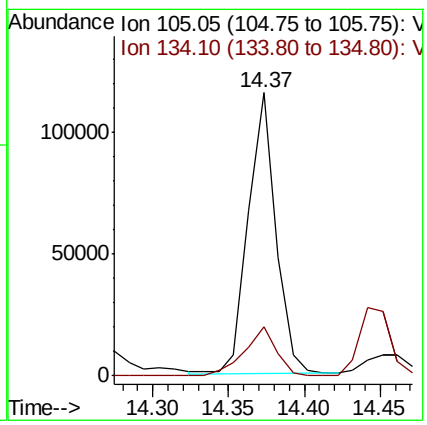


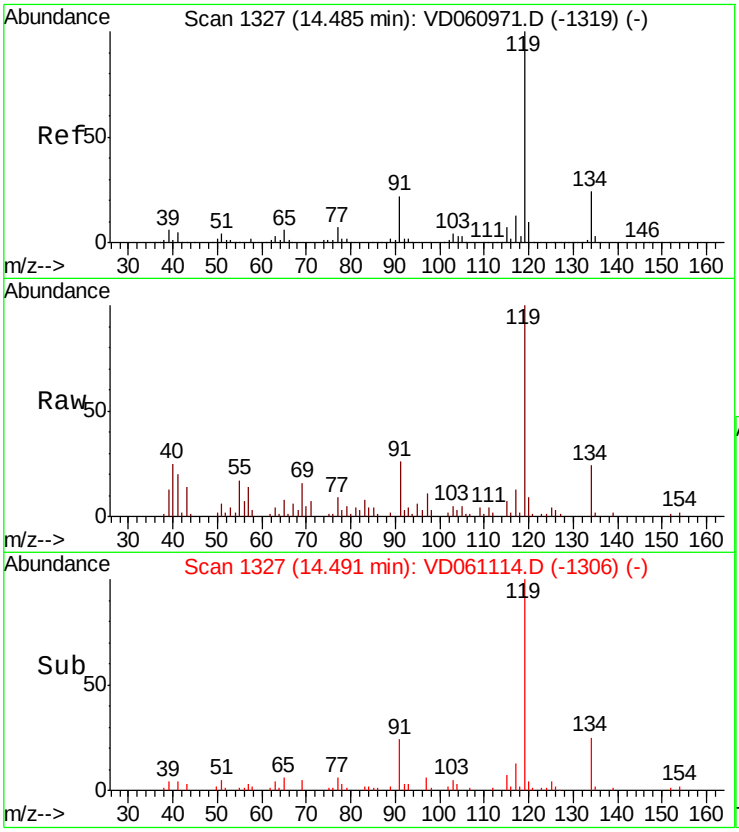


#85
sec-Butylbenzene
Concen: 14.220 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:105 Resp: 146166

Ion	Ratio	Lower	Upper
105	100		
134	17.2	9.4	28.2

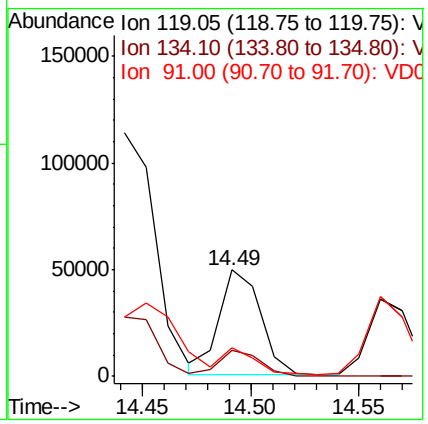


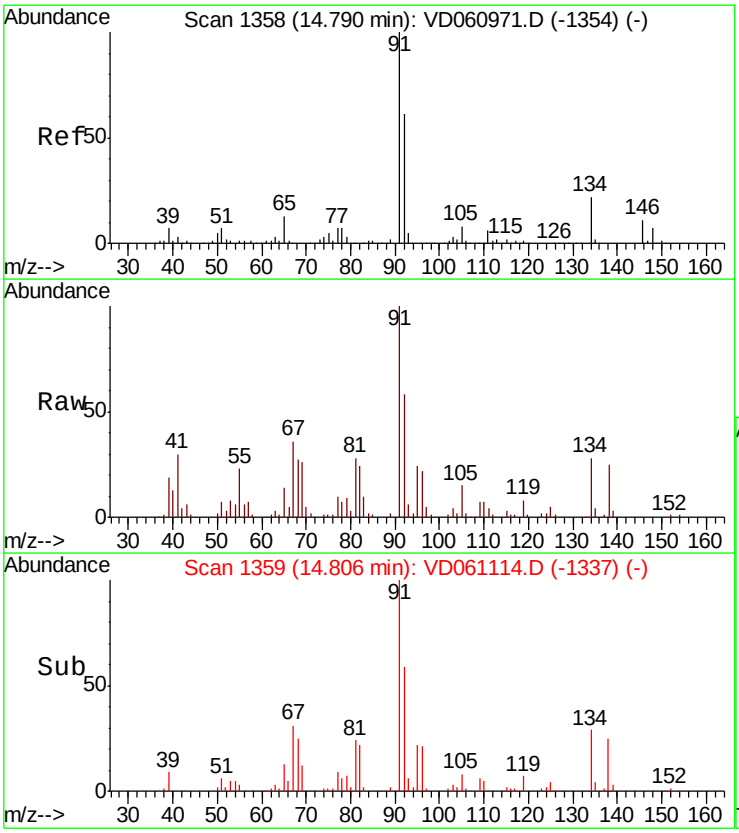


#86
p-Isopropyltoluene
Concen: 7.873 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:119 Resp: 66152

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.0	36.1
91	26.5	11.2	33.6

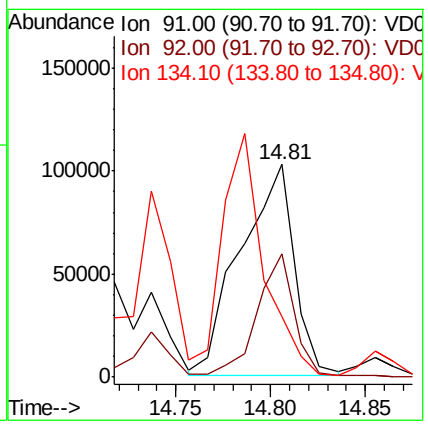


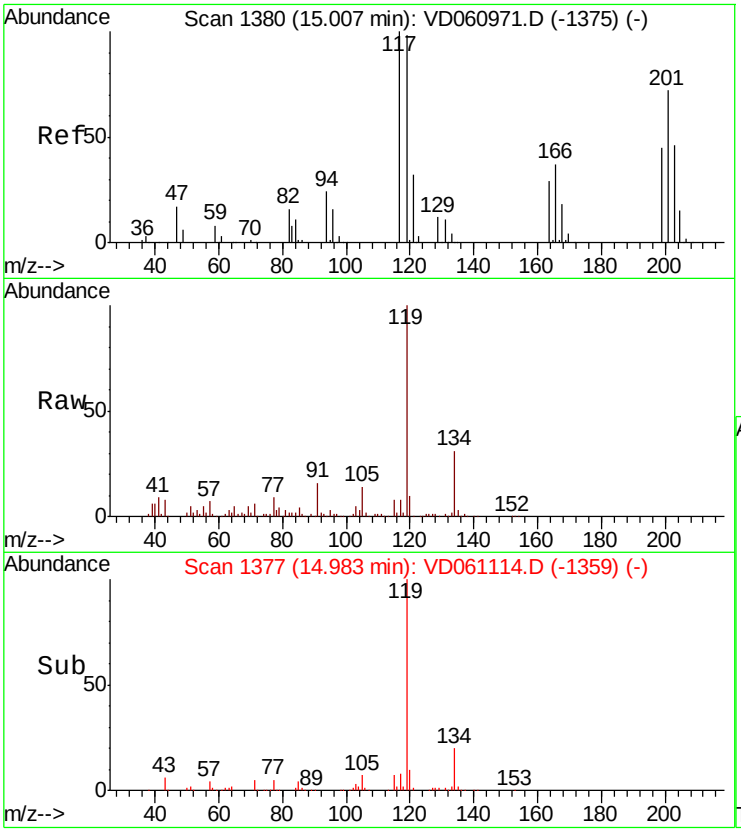


#89
n-Butylbenzene
Concen: 25.029 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 91 Resp: 201948

Ion	Ratio	Lower	Upper
91	100		
92	57.8	30.6	91.8
134	28.3	11.0	33.0

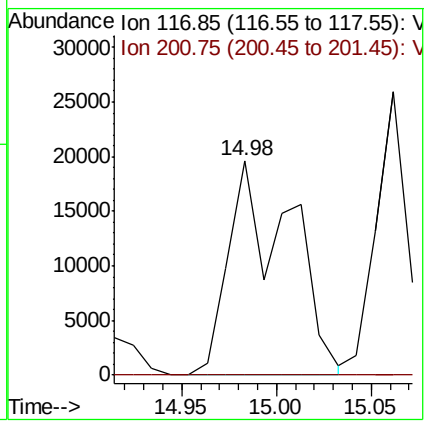


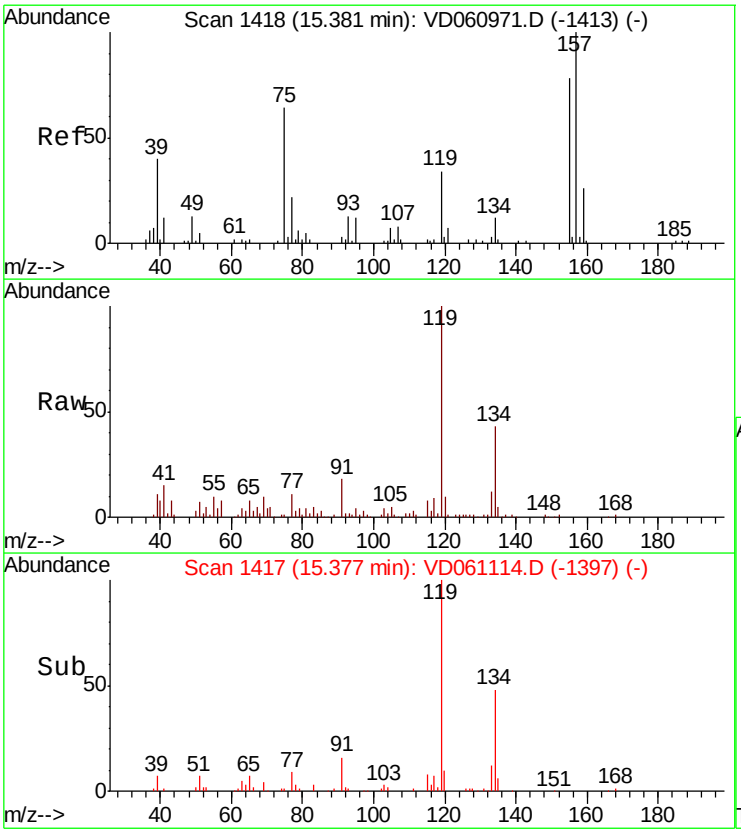


#90
Hexachloroethane
Concen: 18.456 ug/l
RT: 14.98 min Scan# 1377
Delta R.T. -0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:117 Resp: 43787

Ion	Ratio	Lower	Upper
117	100		
201	0.0	36.2	108.6#

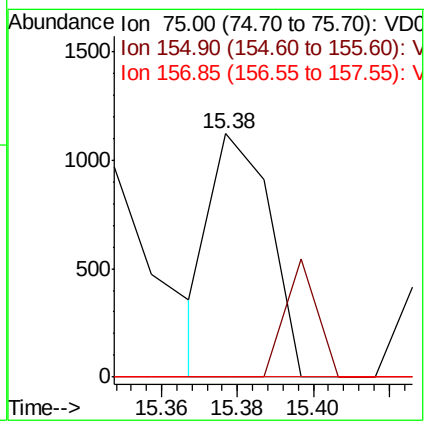


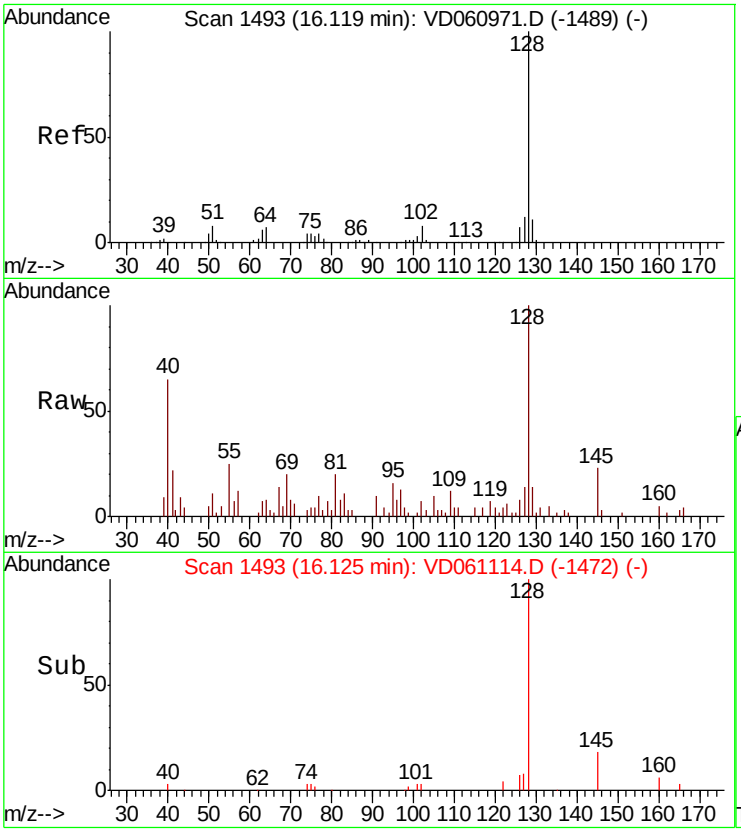


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.045 ug/l
RT: 15.38 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 75 Resp: 1202

Ion	Ratio	Lower	Upper
75	100		
155	0.0	61.2	183.5#
157	0.0	78.3	234.8#





#95
Naphthalene
Concen: 9.112 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:128 Resp: 24737

Ion	Ratio	Lower	Upper
128	100		
127	13.7	9.8	14.8
129	13.7	8.5	12.7#