Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
Data File : VD064705.D
Acq On : 31 Dec 2019 20:05
Operator : VA/SY
Sample : K6462-02
Misc : 5.08G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : K500-2

Quant Time: Jan 01 00:48:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	483741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	744006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	372237	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	214893	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery = 100.76%			
35) Dibromofluoromethane	7.92	113	221787	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.18%			
50) Toluene-d8	10.34	98	914551	52.31	ug/l	0.00
Spiked Amount 50.000			Recovery = 104.62%			
62) 4-Bromofluorobenzene	12.64	95	326823	59.12	ug/l	0.00
Spiked Amount 50.000			Recovery = 118.24%			
Target Compounds						Qvalue
16) Acetone	4.16	43	1322	5.487	ug/l	92
20) Methylene Chloride	4.96	84	10564	Below Cal	#	84
25) 2-Butanone	7.21	43	2050	1.748	ug/l #	89
30) Chloroform	7.71	83	30045	3.604	ug/l	93
31) Cyclohexane	7.98	56	13160	1.655	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	35335	4.934	ug/l #	49
38) Carbon Tetrachloride	7.98	117	45074	5.903	ug/l #	16
39) Methylcyclohexane	9.36	83	61496	7.090	ug/l	91
51) 4-Methyl-2-Pentanone	10.34	43	18584	6.715	ug/l	92
55) 1,1,2-Trichloroethane	10.78	97	123826	35.308	ug/l #	21
56) Ethyl methacrylate	10.68	69	25641	5.854	ug/l #	12
59) 2-Hexanone	10.96	43	92038	48.996	ug/l #	31
68) m/p-Xylenes	11.86	106	17941	1.883	ug/l #	66
69) o-Xylene	12.18	106	769157	89.381	ug/l	97
70) Styrene	12.18	104	40720	2.696	ug/l #	1
74) N-amyl acetate	12.27	43	457954	80.536	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.70	83	65675	15.716	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	153202	52.120	ug/l #	100
79) 2-Chlorotoluene	12.89	91	32406	1.901	ug/l #	47
80) 1,3,5-Trimethylbenzene	12.97	105	1036369	47.428	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.64	75	153202	109.007	ug/l #	17
82) 4-Chlorotoluene	12.97	91	134270	7.401	ug/l #	58
84) 1,2,4-Trimethylbenzene	13.28	105	108675	4.994	ug/l	98
85) sec-Butylbenzene	13.41	105	48540	1.866	ug/l	83
86) p-Isopropyltoluene	13.53	119	69637	2.800	ug/l	99
89) n-Butylbenzene	13.82	91	318227	14.209	ug/l #	1
90) Hexachloroethane	14.13	117	102166	21.505	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.54	75	11741	17.332	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.18	180	8296	1.060	ug/l #	1
95) Naphthalene	15.41	128	146426	11.831	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.63	180	141500	21.187	ug/l #	12

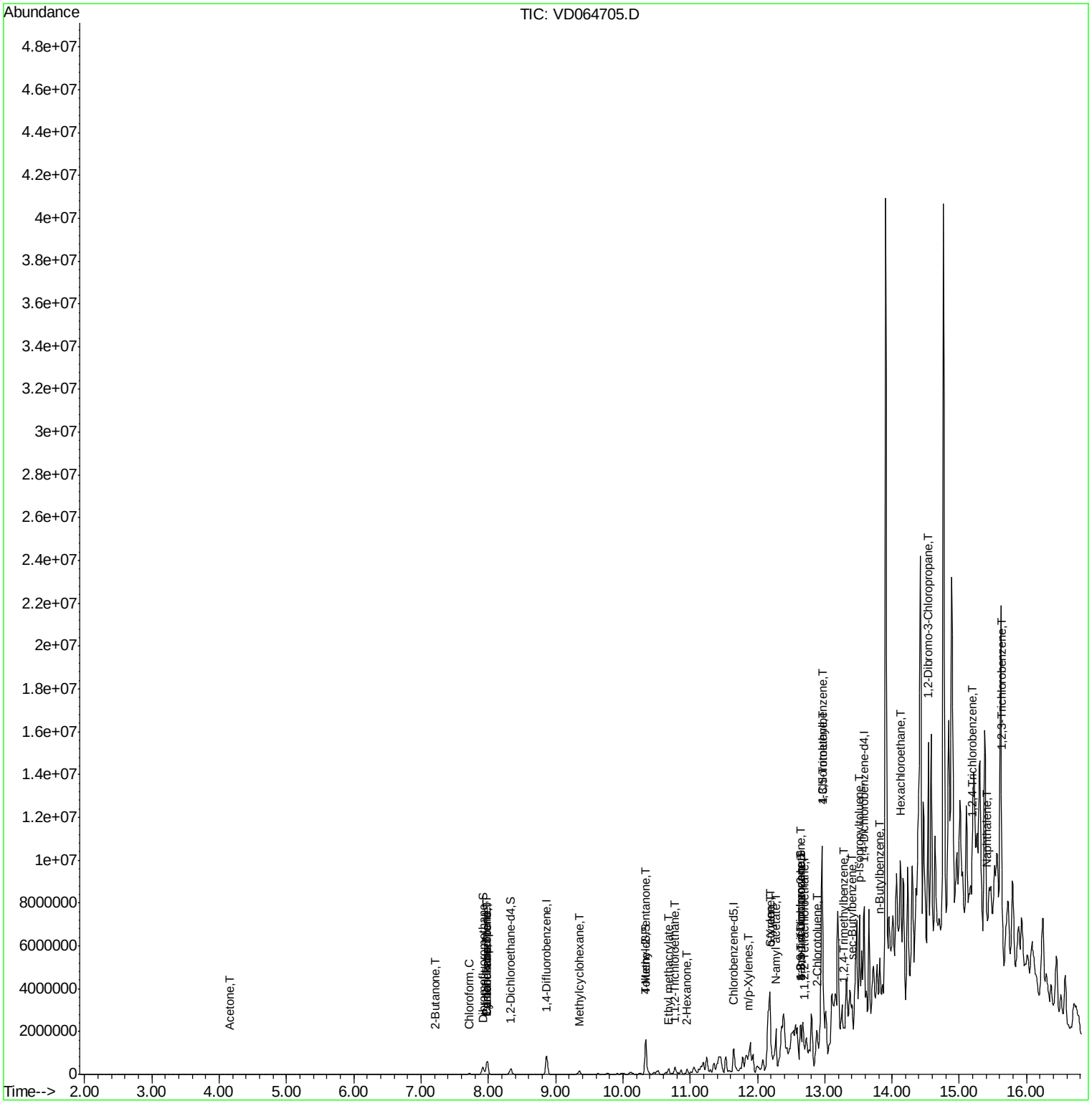
(#) = qualifier out of range (m) = manual integration (+) = signals summed

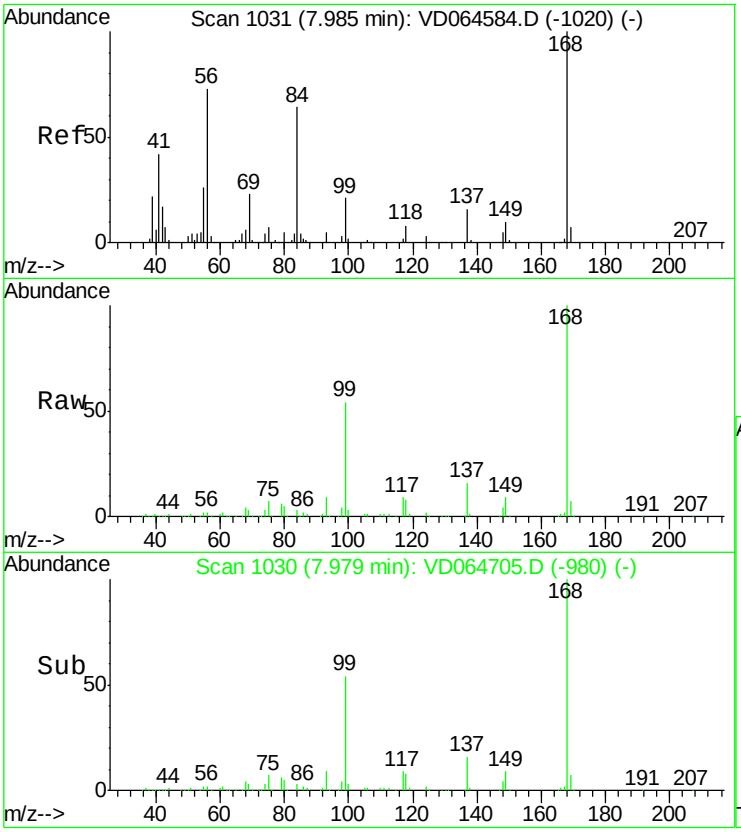
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
Data File : VD064705.D
Acq On : 31 Dec 2019 20:05
Operator : VA/SY
Sample : K6462-02
Misc : 5.08G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
K500-2

Quant Time: Jan 01 00:48:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration



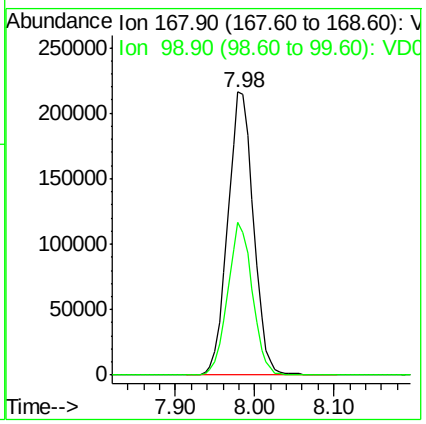


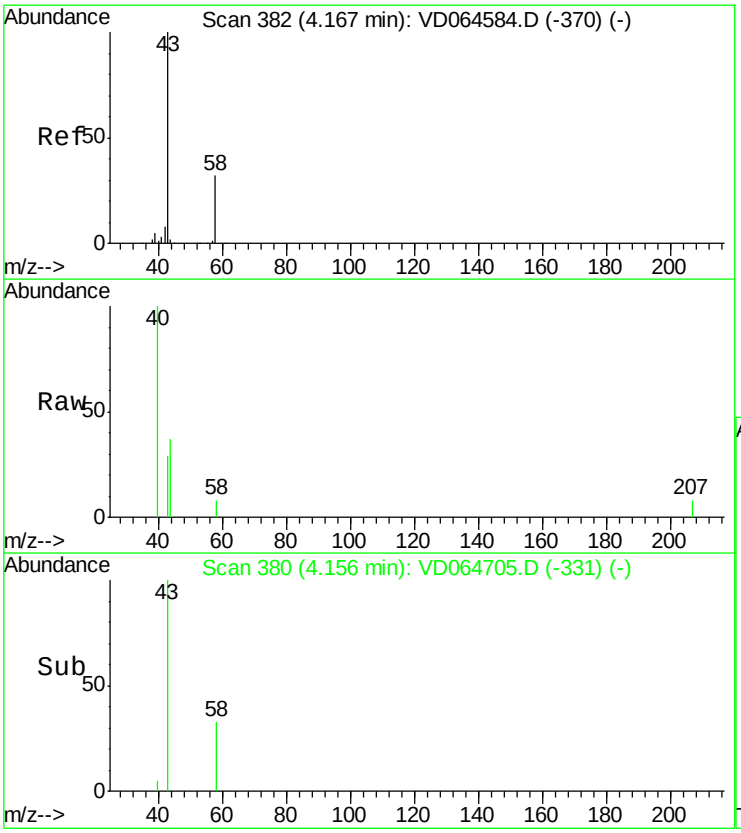
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion:168 Resp: 483741

Ion	Ratio	Lower	Upper
168	100		
99	53.8	41.8	62.6

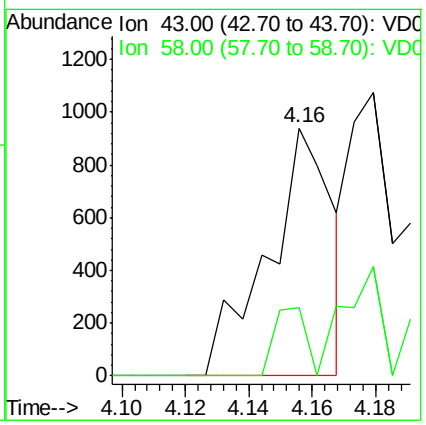


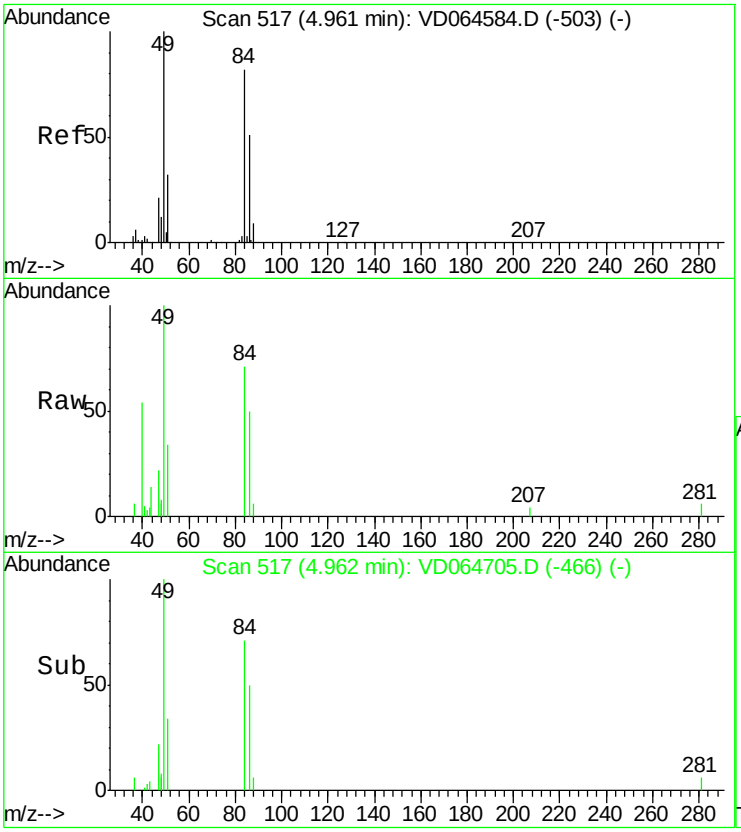


#16
Acetone
Concen: 5.487 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 43 Resp: 1322

Ion	Ratio	Lower	Upper
43	100		
58	27.7	25.8	38.6



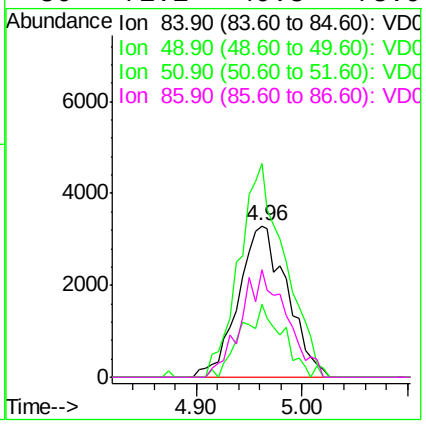


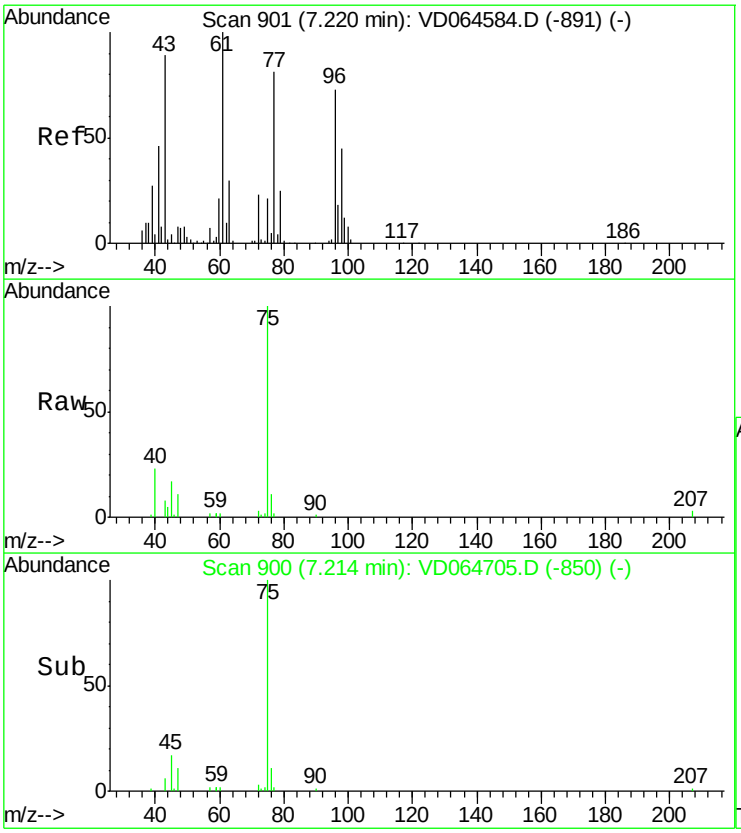
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion: 84 Resp: 10564

Ion	Ratio	Lower	Upper
84	100		
49	141.4	97.2	145.8
51	48.7	31.4	47.0#
86	71.1	49.3	73.9

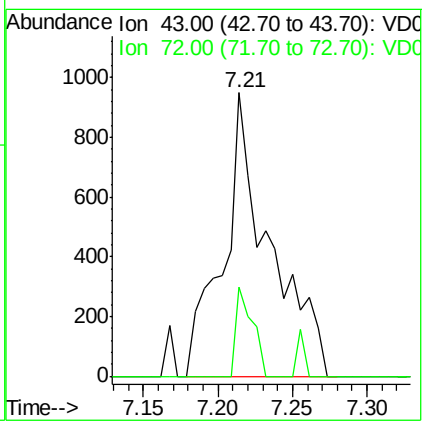


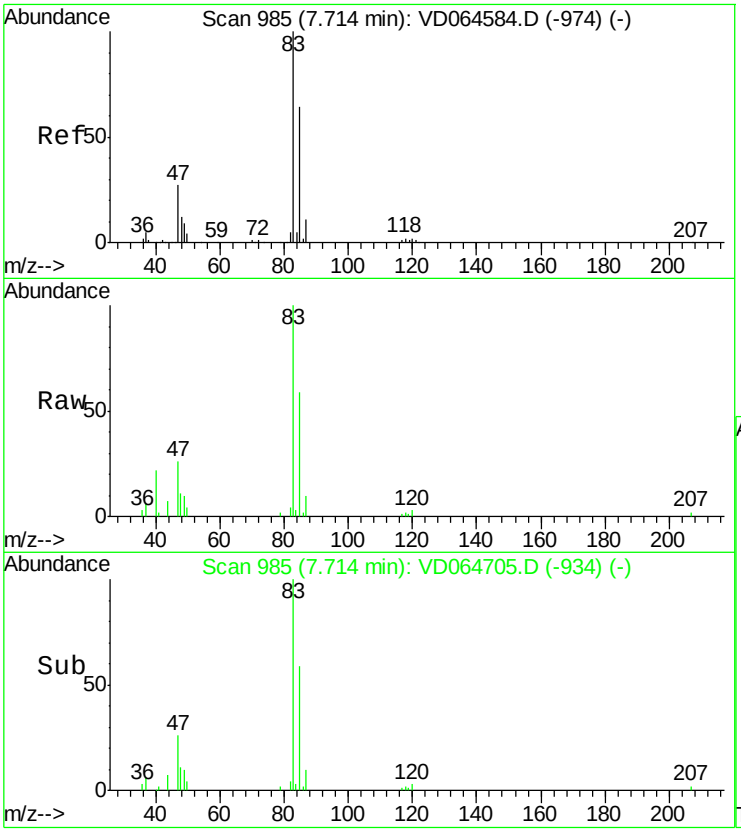


#25
2-Butanone
Concen: 1.748 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 43 Resp: 2050

Ion	Ratio	Lower	Upper
43	100		
72	31.4	20.7	31.1#



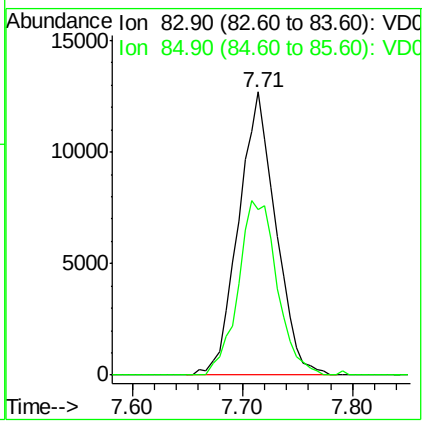


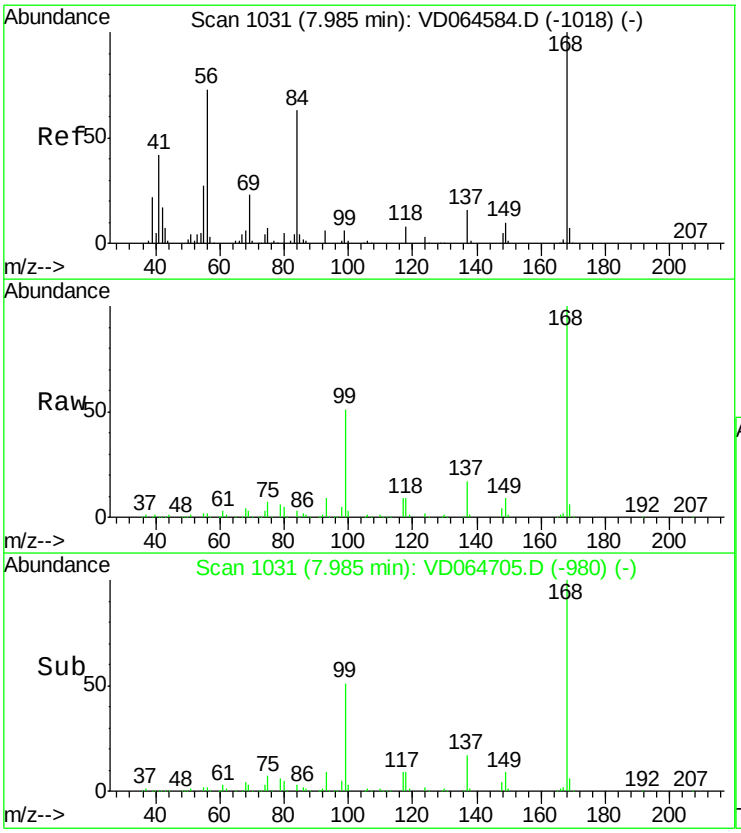
#30
Chloroform
Concen: 3.604 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion: 83 Resp: 30045

Ion	Ratio	Lower	Upper
83	100		
85	58.7	51.1	76.7

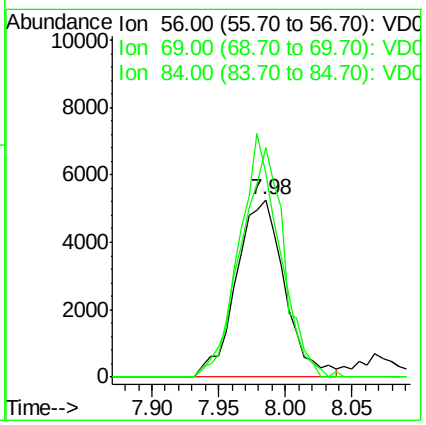


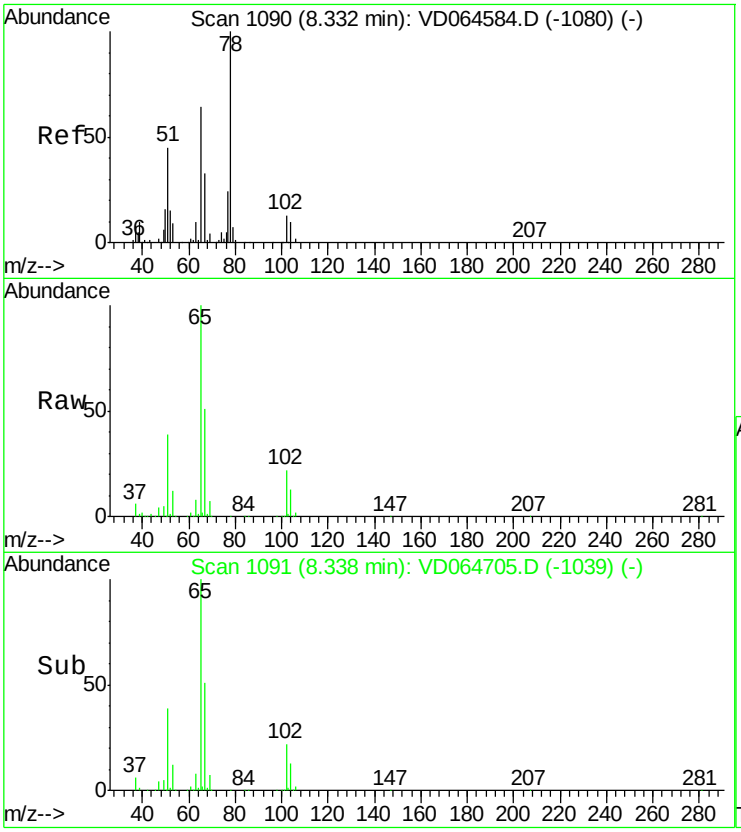


#31
Cyclohexane
Concen: 1.655 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 56 Resp: 13160

Ion	Ratio	Lower	Upper
56	100		
69	115.0	24.7	37.1#
84	129.5	69.4	104.2#



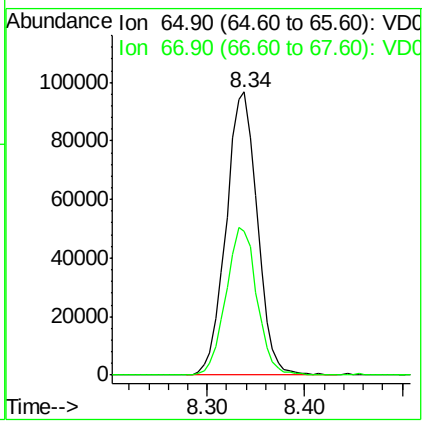


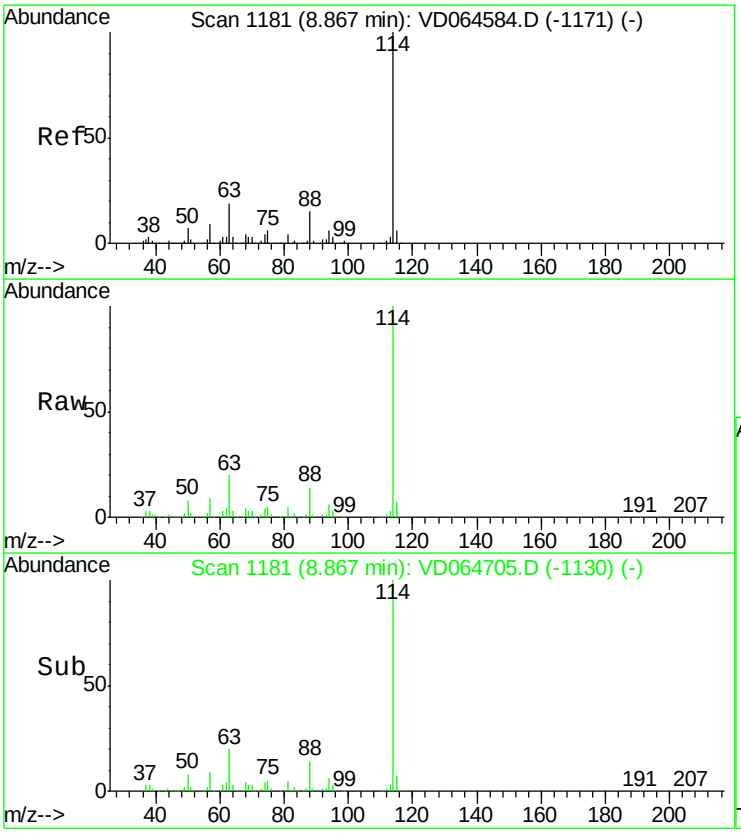
#33
1,2-Dichloroethane-d4
Concen: 50.378 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion: 65 Resp: 214893

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.2

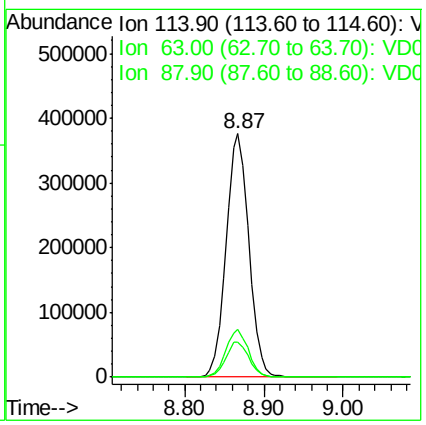


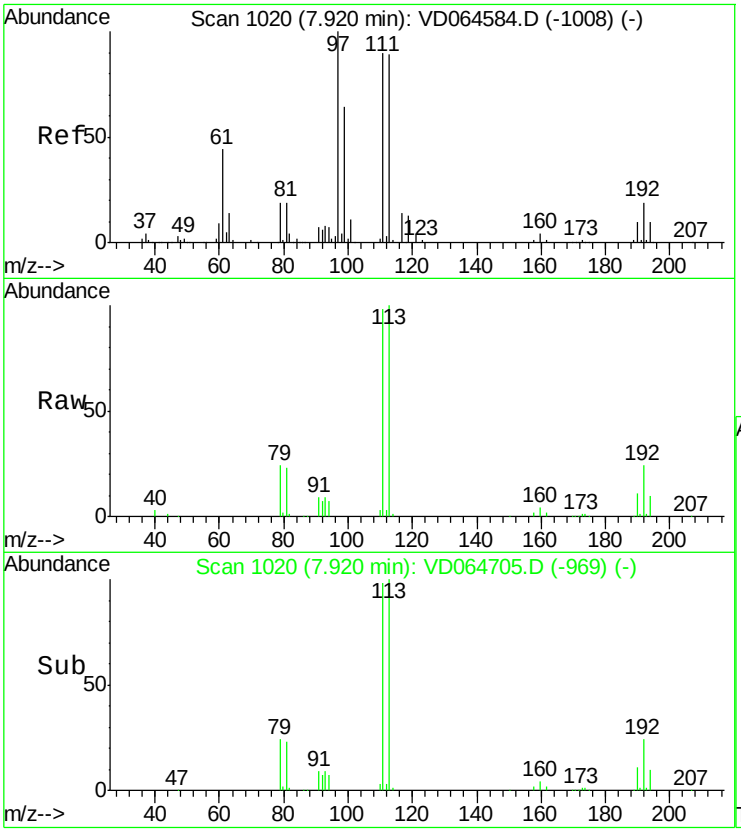


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion:114 Resp: 744006

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.0
88	14.2	0.0	29.2



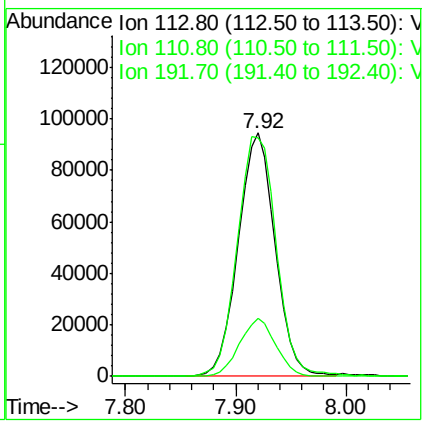


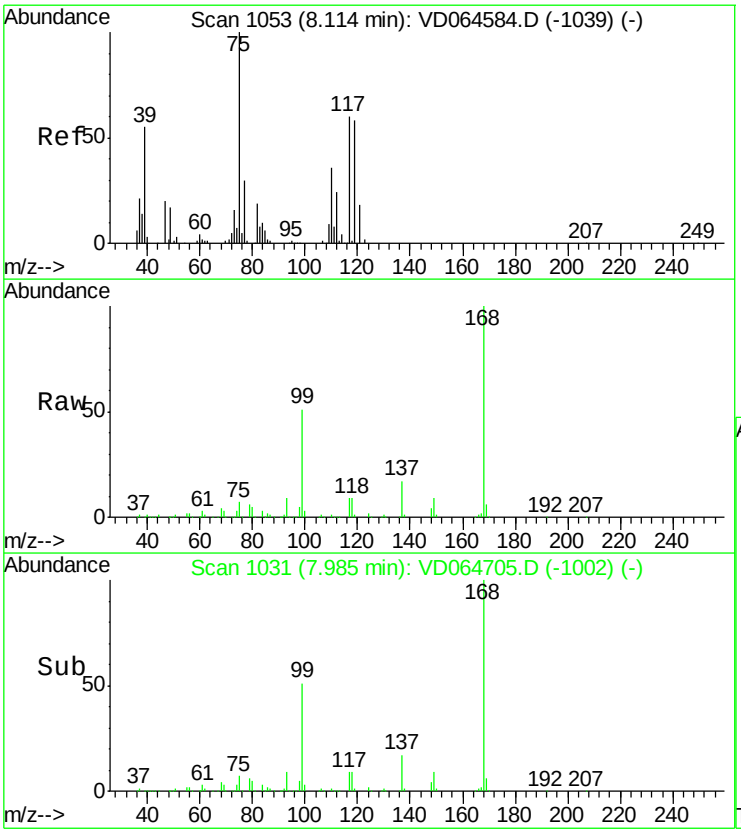
#35
Dibromofluoromethane
Concen: 48.588 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion:113 Resp: 221787

Ion	Ratio	Lower	Upper
113	100		
111	104.8	80.6	121.0
192	23.5	17.9	26.9

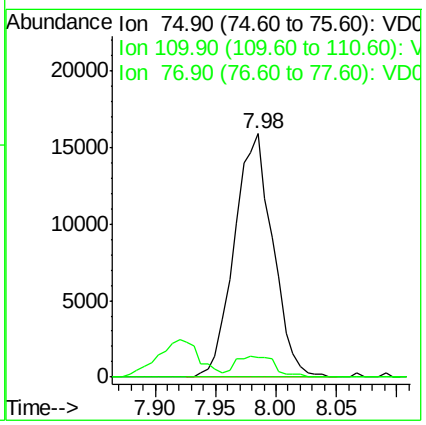


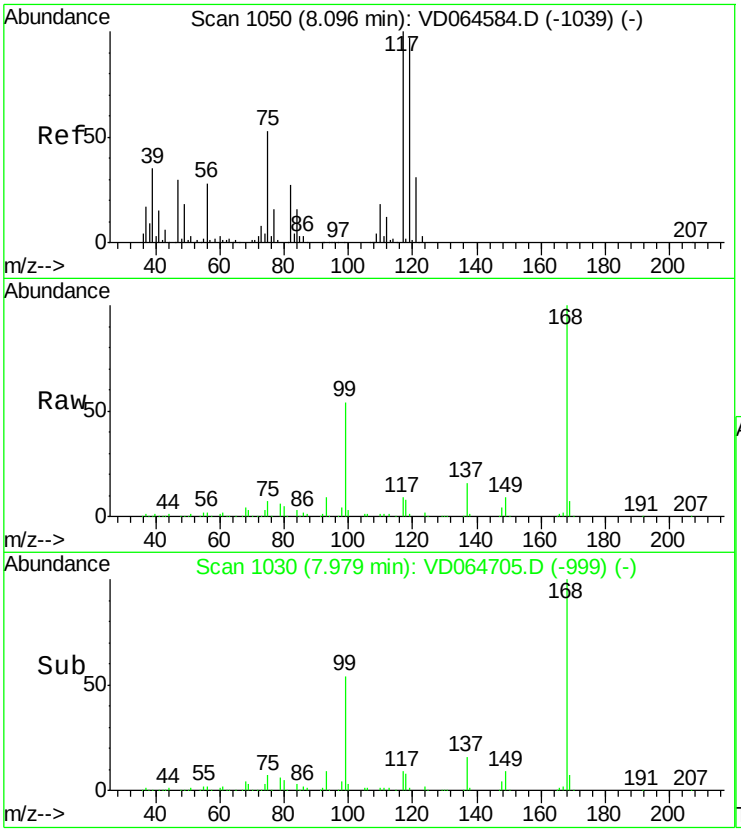


#36
1,1-Dichloropropene
Concen: 4.934 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 75 Resp: 35335

Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.1#
77	0.0	24.2	36.4#



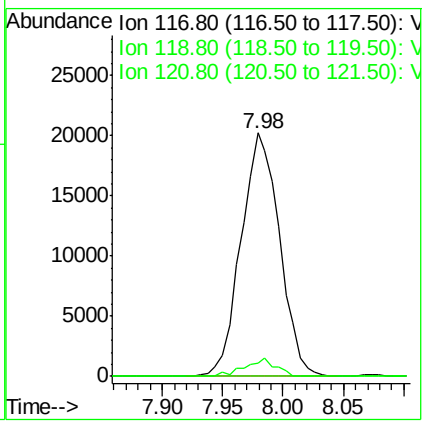


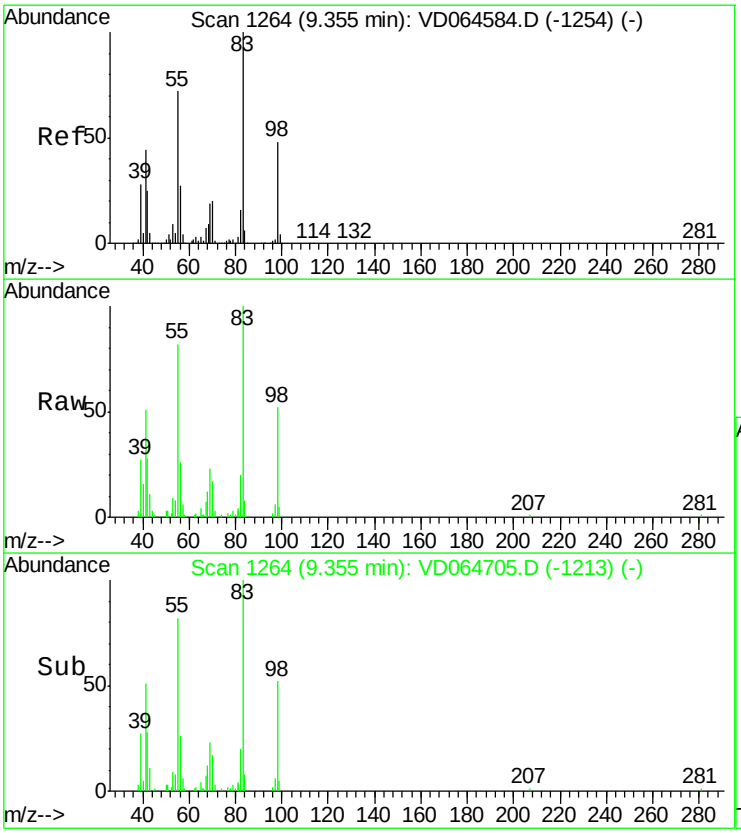
#38
Carbon Tetrachloride
Concen: 5.903 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion:117 Resp: 45074

Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.3	115.9#
121	0.0	25.0	37.6#

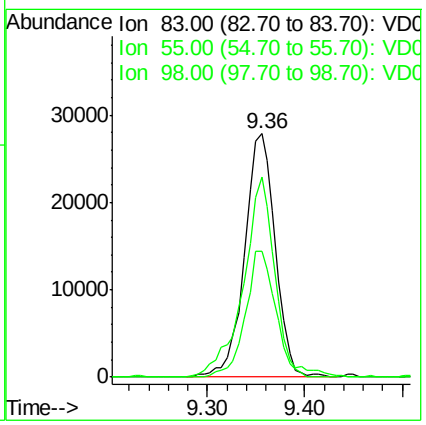


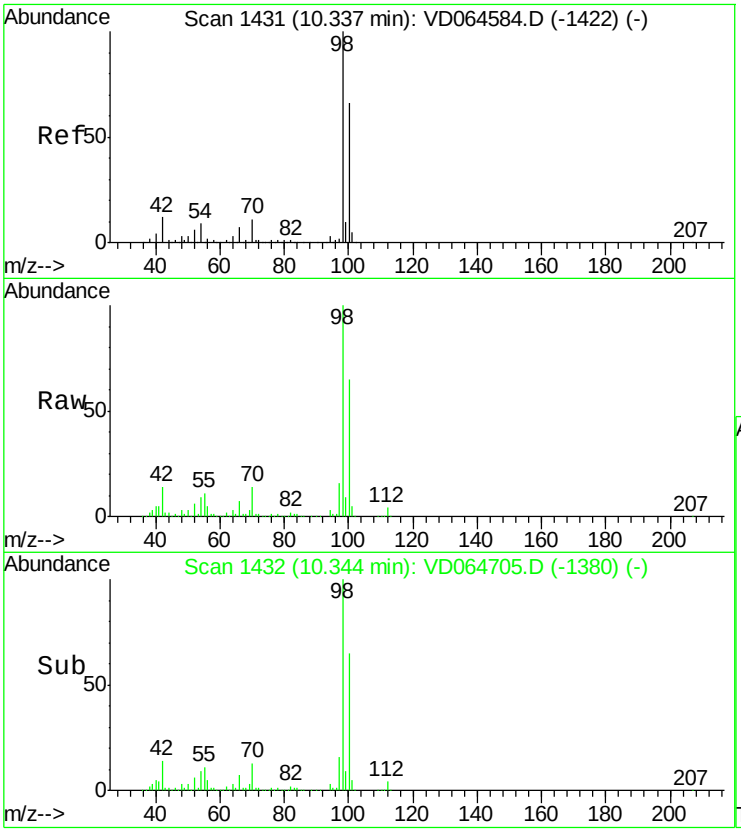


#39
Methylcyclohexane
Concen: 7.090 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 83 Resp: 61496

Ion	Ratio	Lower	Upper
83	100		
55	82.4	57.8	86.6
98	51.6	38.7	58.1



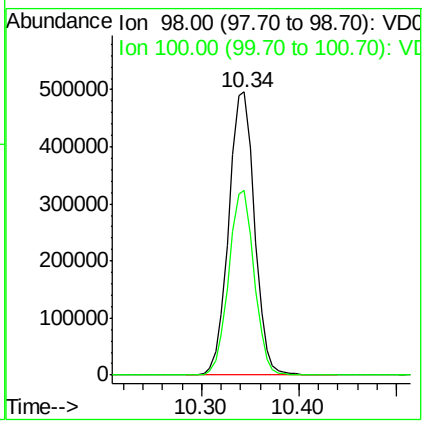


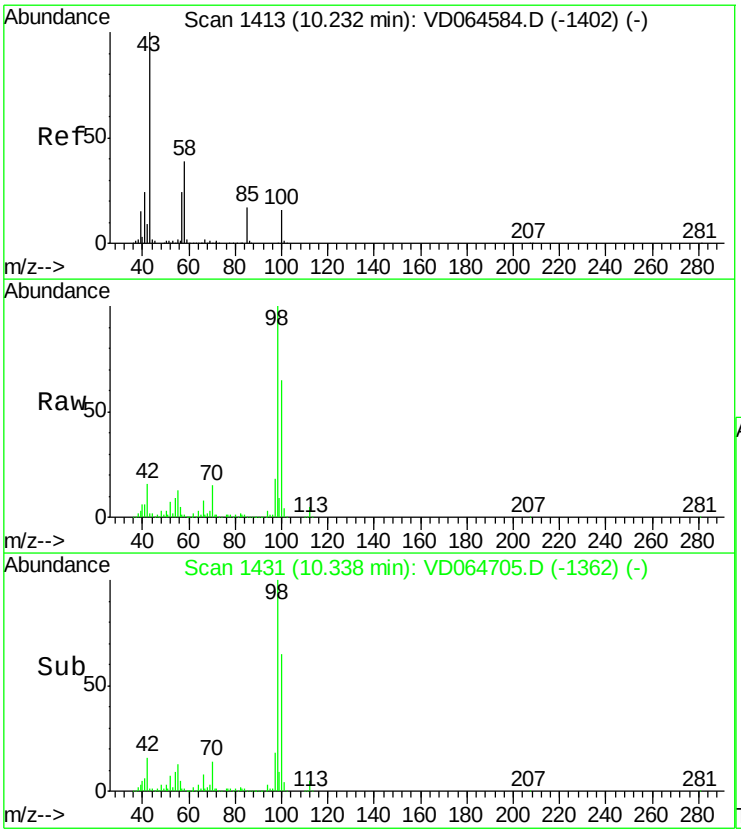
#50
Toluene-d8
Concen: 52.314 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion: 98 Resp: 914551

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5

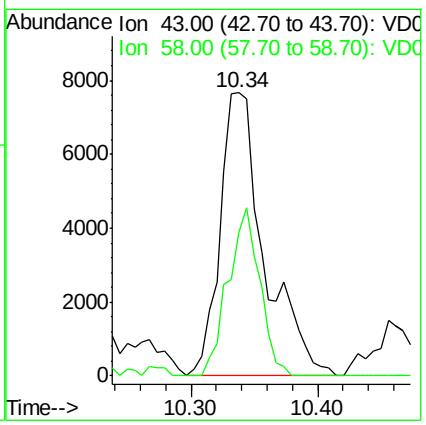


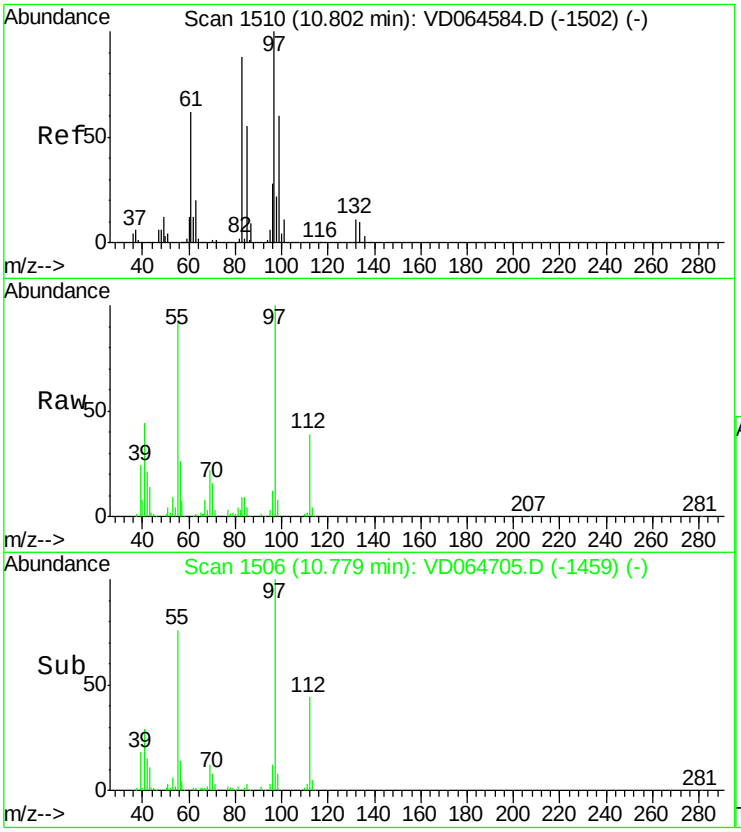


#51
4-Methyl-2-Pentanone
Concen: 6.715 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 43 Resp: 18584

Ion	Ratio	Lower	Upper
43	100		
58	42.4	30.2	45.2



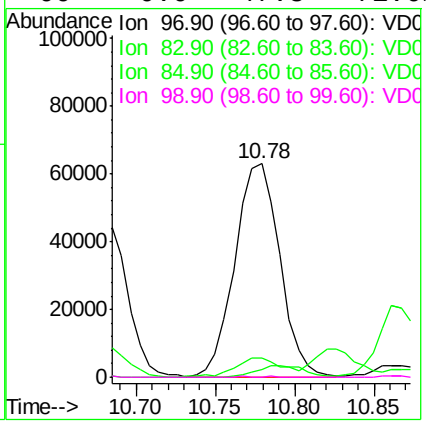


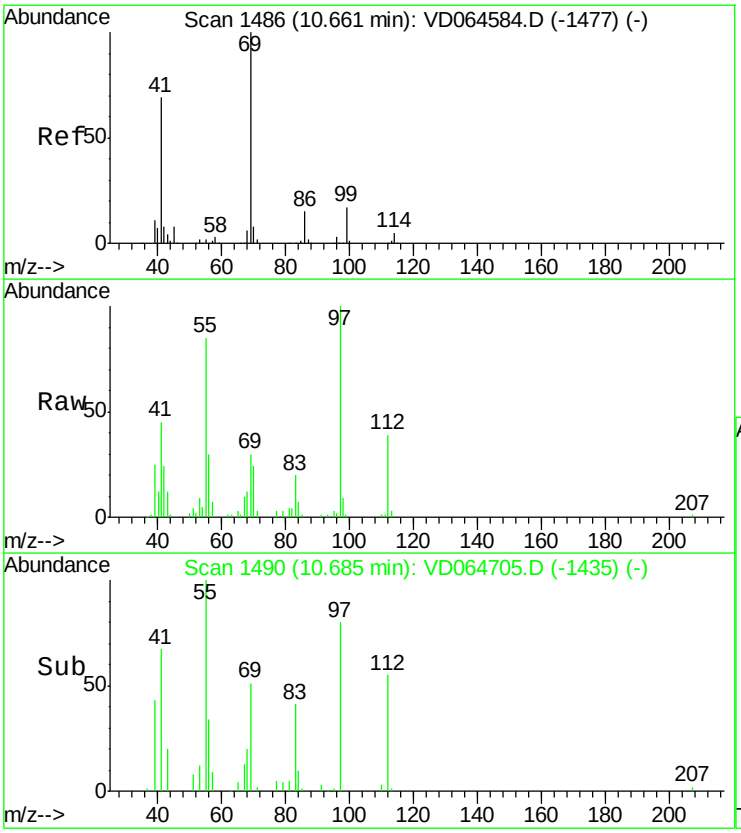
#55
1,1,2-Trichloroethane
Concen: 35.308 ug/l
RT: 10.78 min Scan# 1506
Delta R.T. -0.02 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion: 97 Resp: 123826

Ion	Ratio	Lower	Upper
97	100		
83	8.9	70.2	105.4#
85	3.7	44.0	66.0#
99	0.0	47.8	71.6#

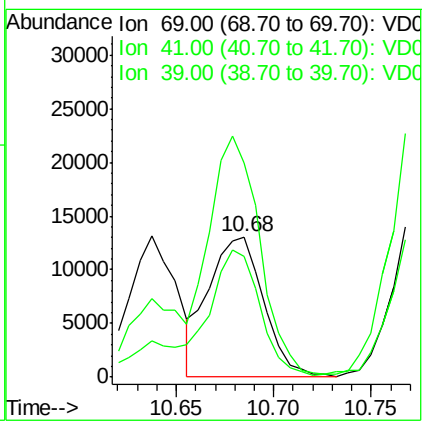


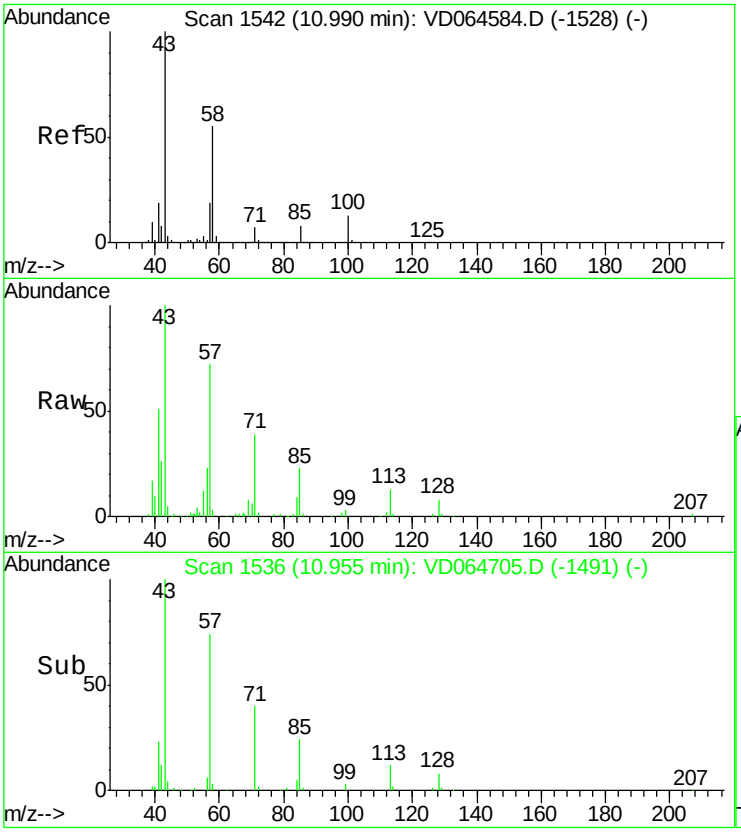


#56
Ethyl methacrylate
Concen: 5.854 ug/l
RT: 10.68 min Scan# 1490
Delta R.T. 0.02 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 69 Resp: 25641

Ion	Ratio	Lower	Upper
69	100		
41	154.5	55.3	82.9#
39	81.3	33.8	50.8#



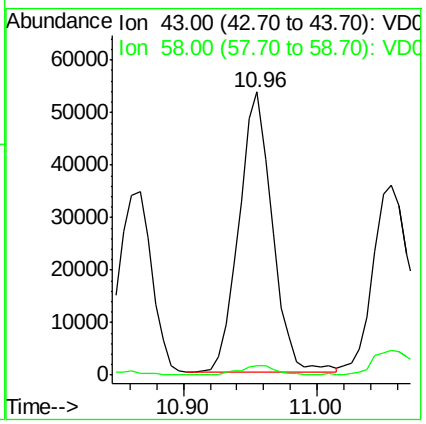


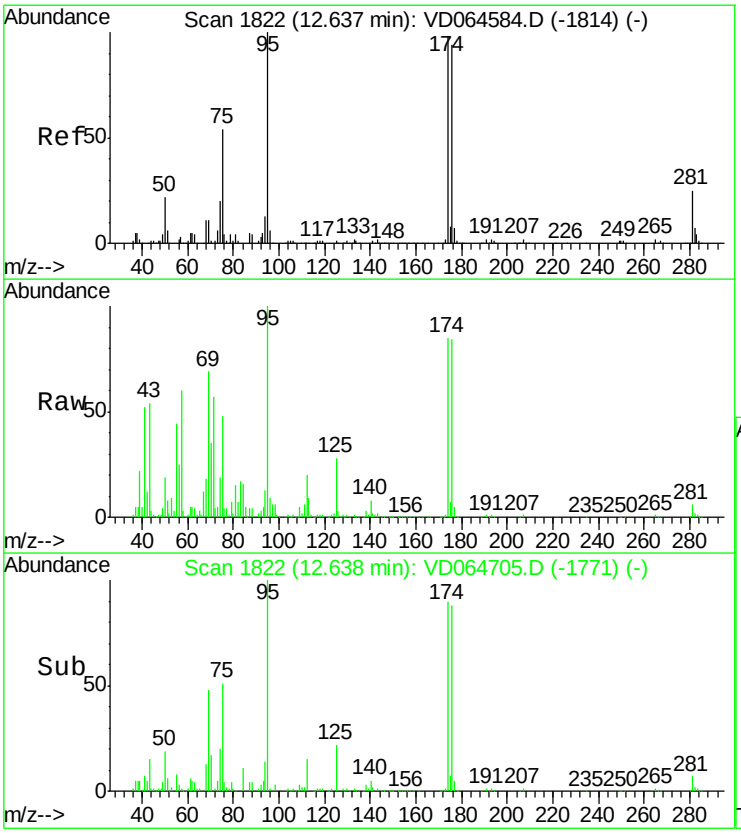
#59
2-Hexanone
Concen: 48.996 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.03 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion: 43 Resp: 92038

Ion	Ratio	Lower	Upper
43	100		
58	3.7	26.4	79.0#

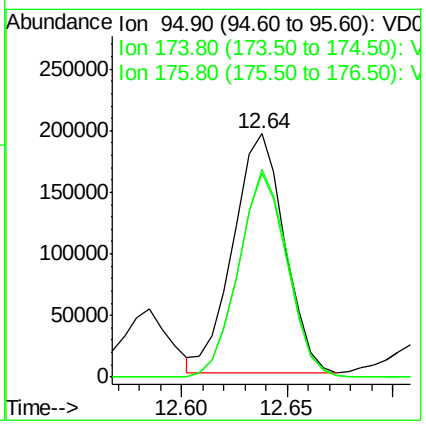


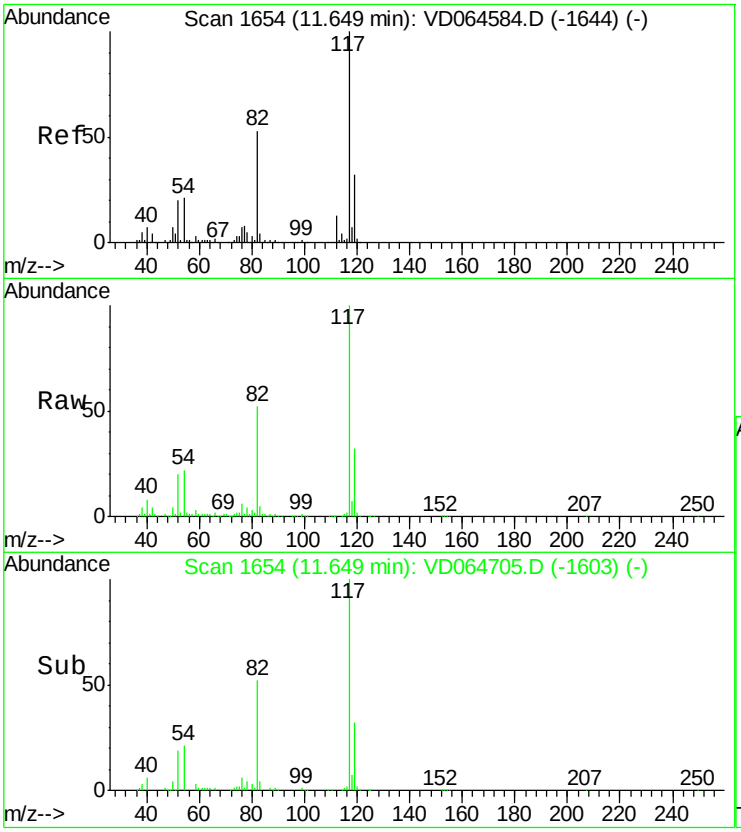


#62
4-Bromofluorobenzene
Concen: 59.122 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 95 Resp: 326823

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	193.2
176	81.1	0.0	184.2



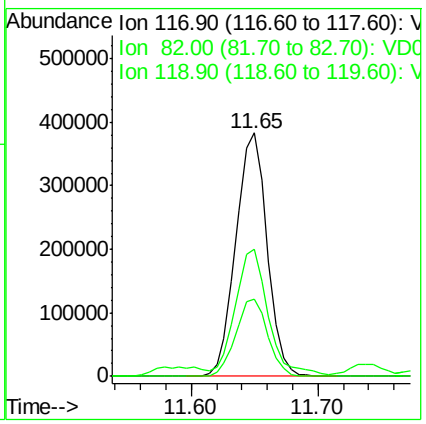


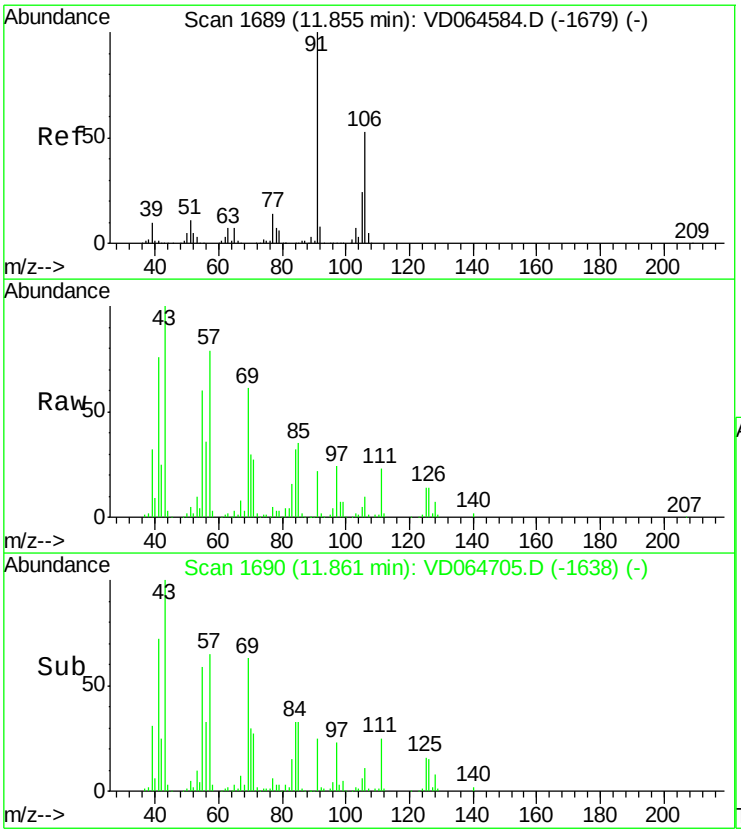
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion:117 Resp: 655217

Ion	Ratio	Lower	Upper
117	100		
82	51.0	42.2	63.4
119	31.5	26.0	39.0

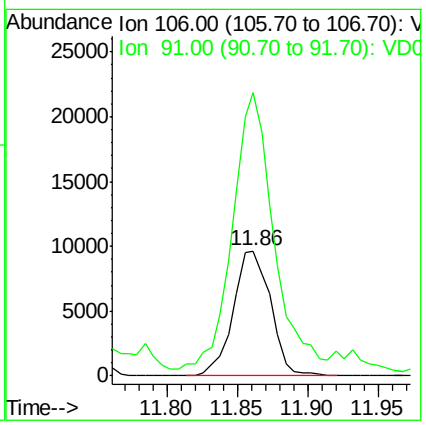


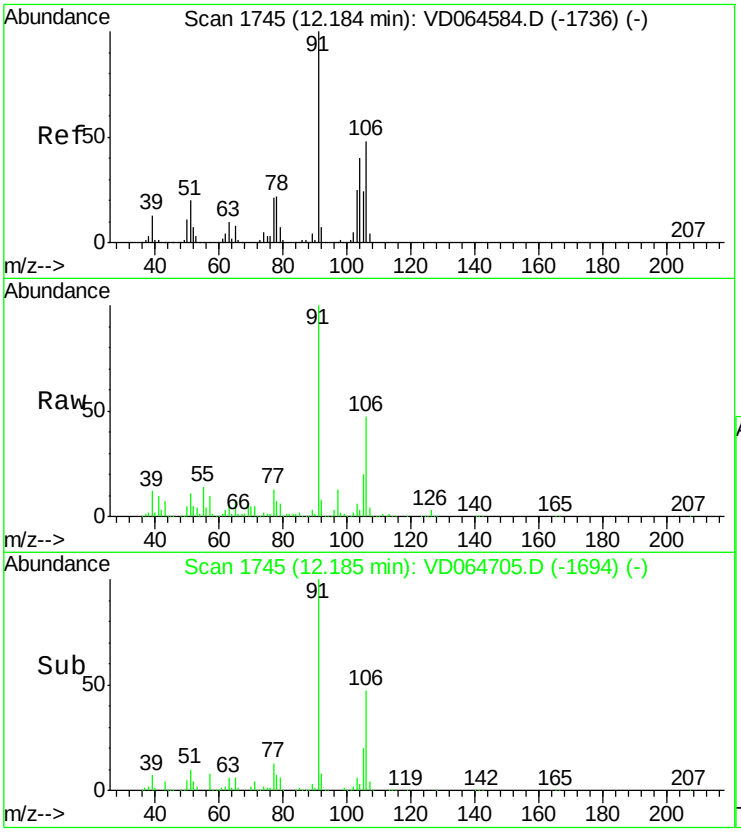


#68
m/p-Xylenes
Concen: 1.883 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion:106 Resp: 17941

Ion	Ratio	Lower	Upper
106	100		
91	246.7	156.3	234.5#



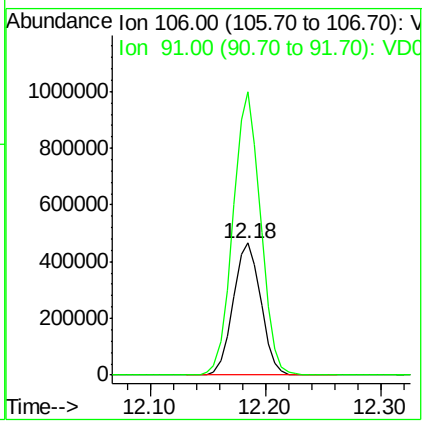


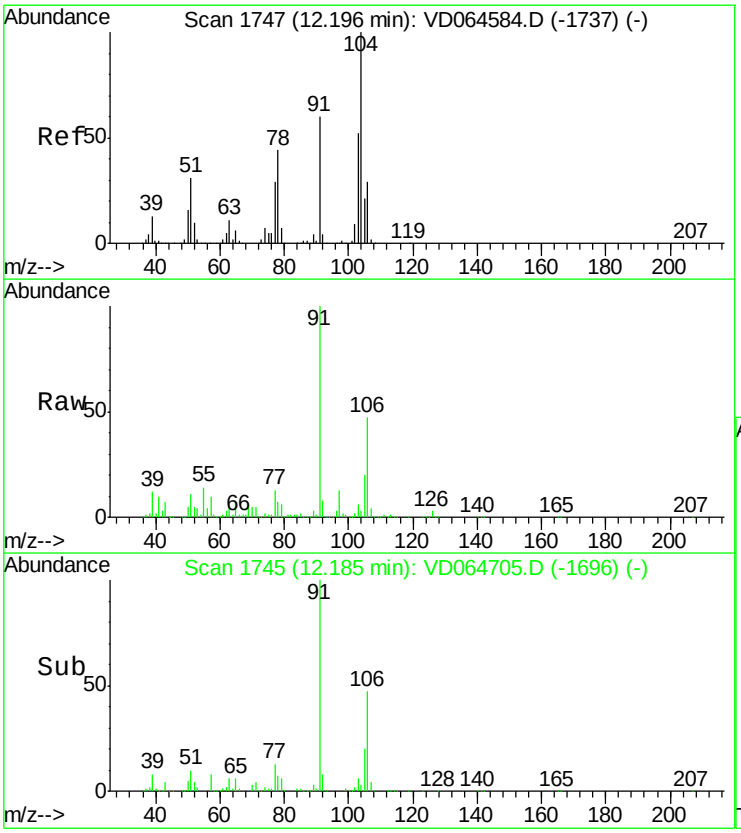
#69
o-Xylene
Concen: 89.381 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion:106 Resp: 769157

Ion	Ratio	Lower	Upper
106	100		
91	214.5	104.8	314.4

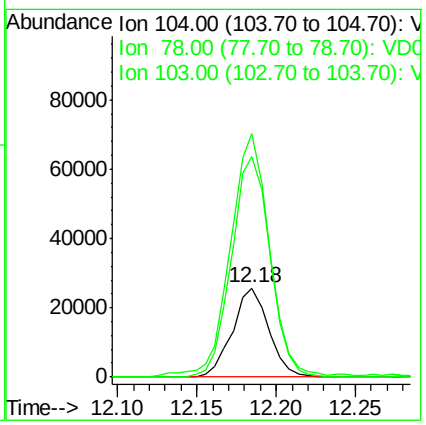


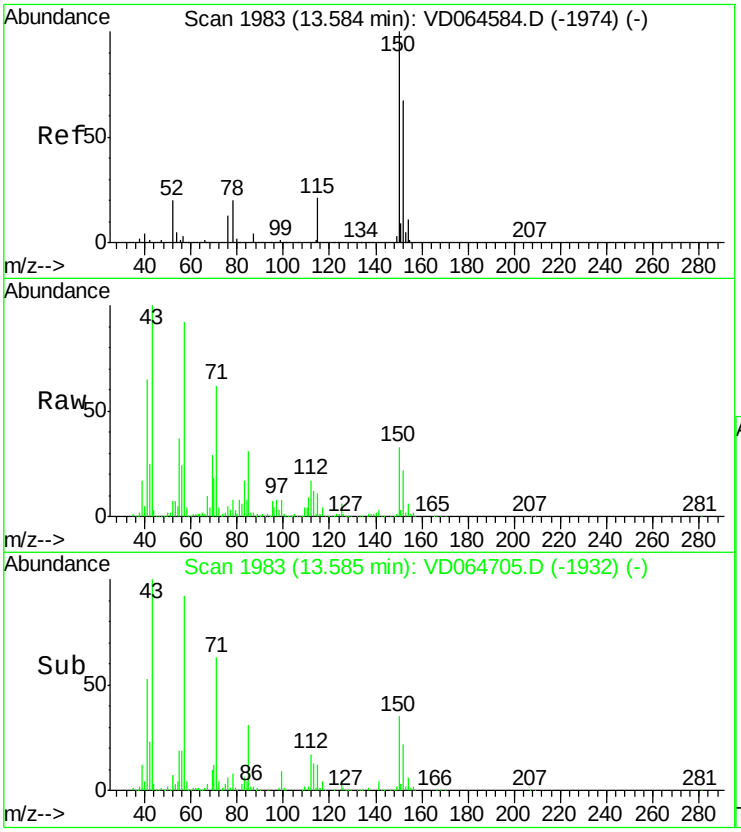


#70
Styrene
Concen: 2.696 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion:104 Resp: 40720

Ion	Ratio	Lower	Upper
104	100		
78	297.2	38.2	57.2#
103	263.7	44.6	67.0#



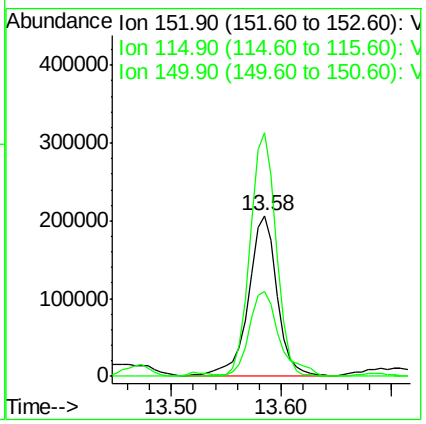


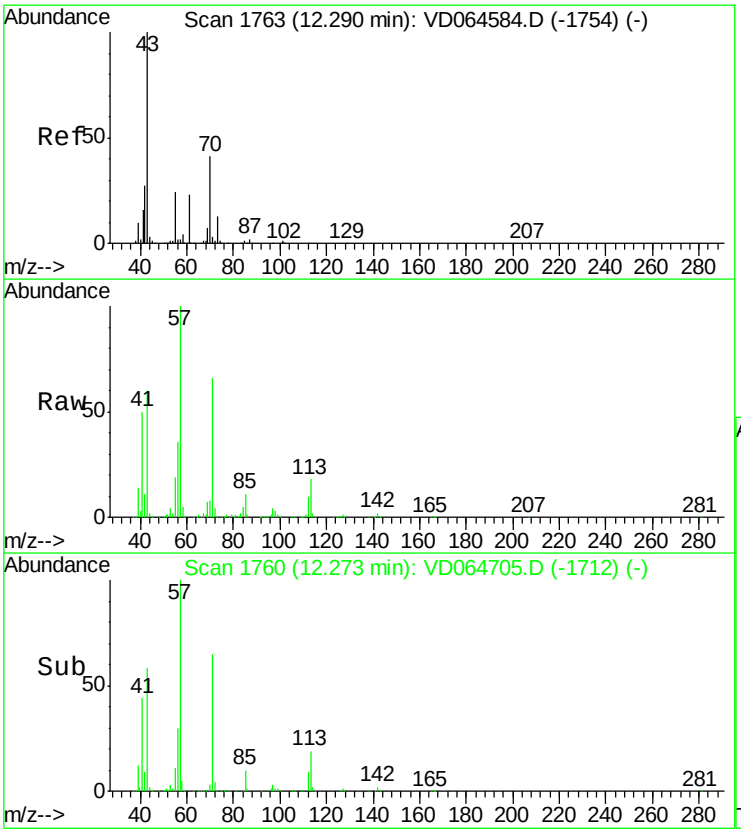
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion:152 Resp: 372237

Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	139.2	0.0	351.4

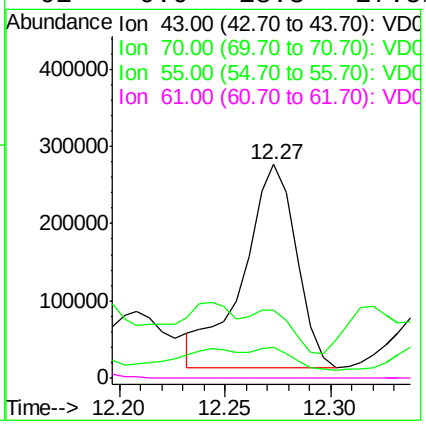


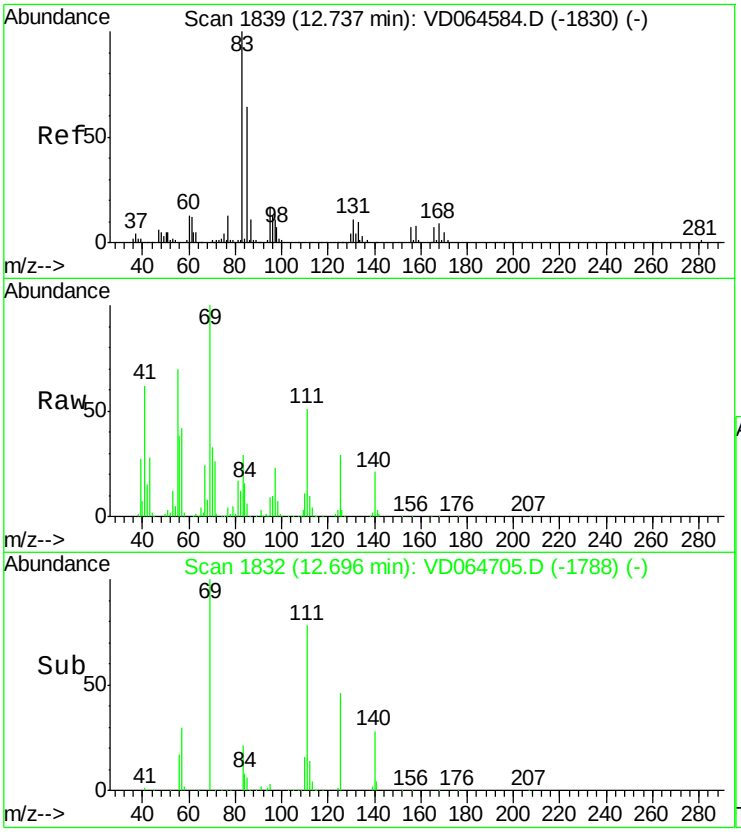


#74
N-amyl acetate
Concen: 80.536 ug/l
RT: 12.27 min Scan# 1760
Delta R.T. -0.02 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 43 Resp: 457954

Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.0#
55	0.0	19.4	29.0#
61	0.0	18.3	27.5#



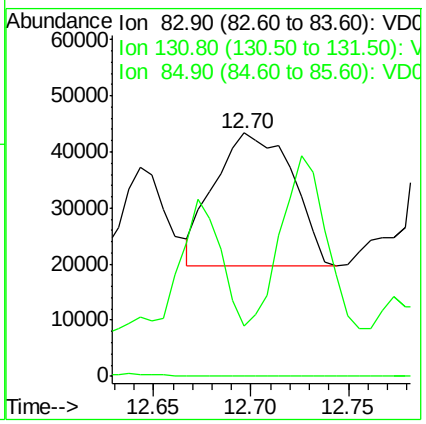


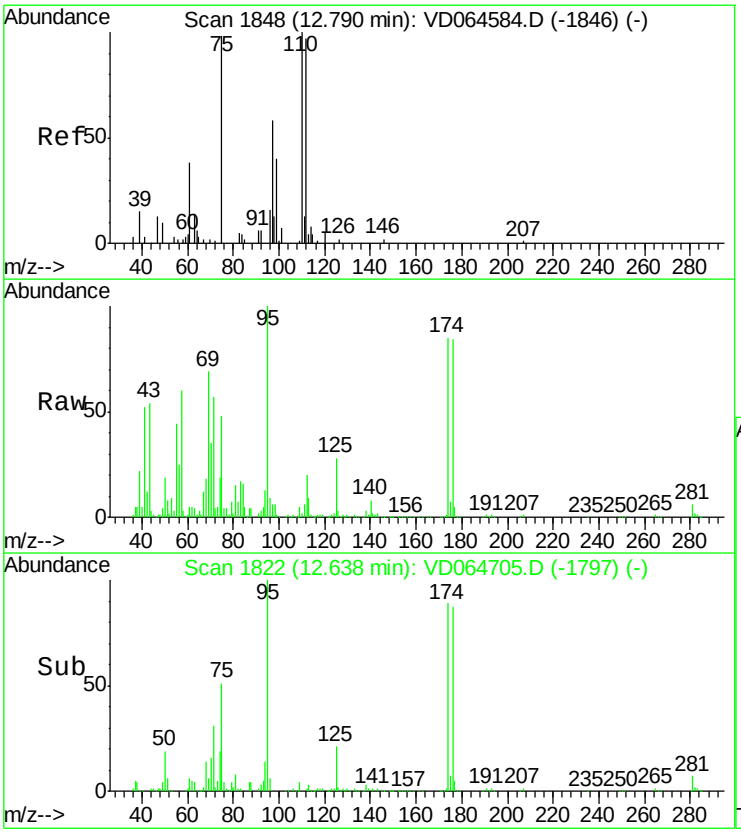
#75
1,1,2,2-Tetrachloroethane
Concen: 15.716 ug/l
RT: 12.70 min Scan# 1832
Delta R.T. -0.04 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion: 83 Resp: 65675

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.8	17.4#
85	0.0	32.3	96.9#

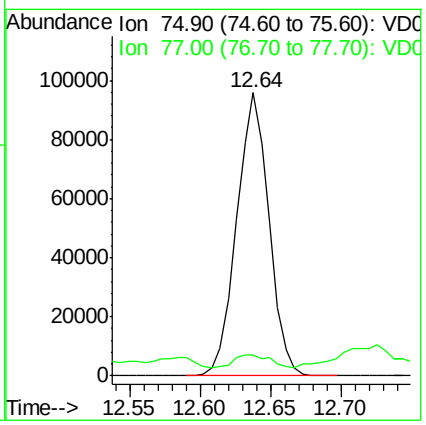


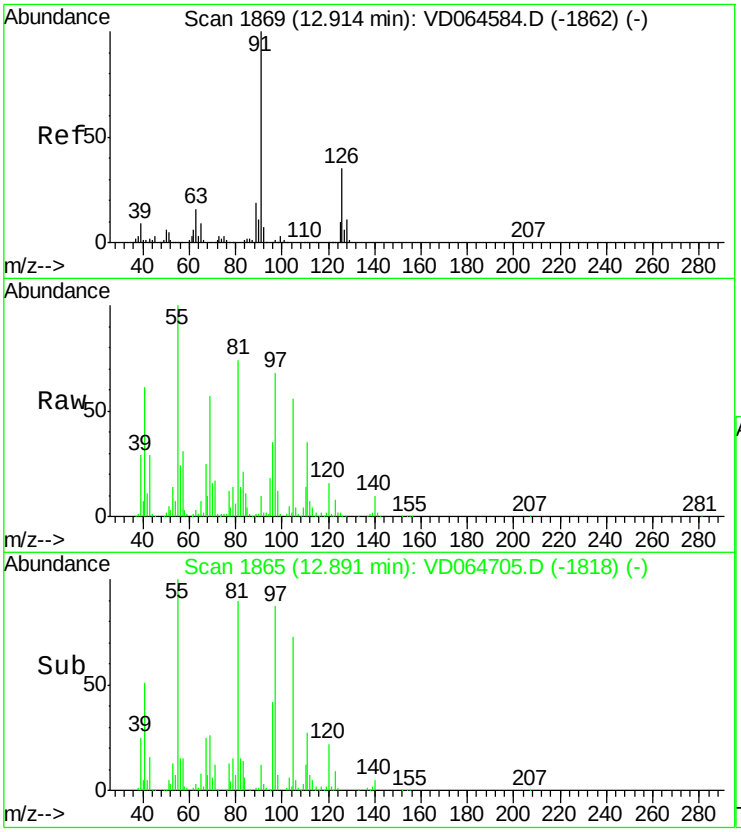


#76
1,2,3-Trichloropropane
Concen: 52.120 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 75 Resp: 153202

Ion	Ratio	Lower	Upper
75	100		
77	5.3	0.0	0.0#



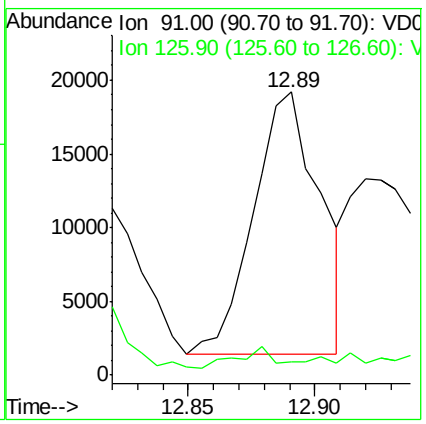


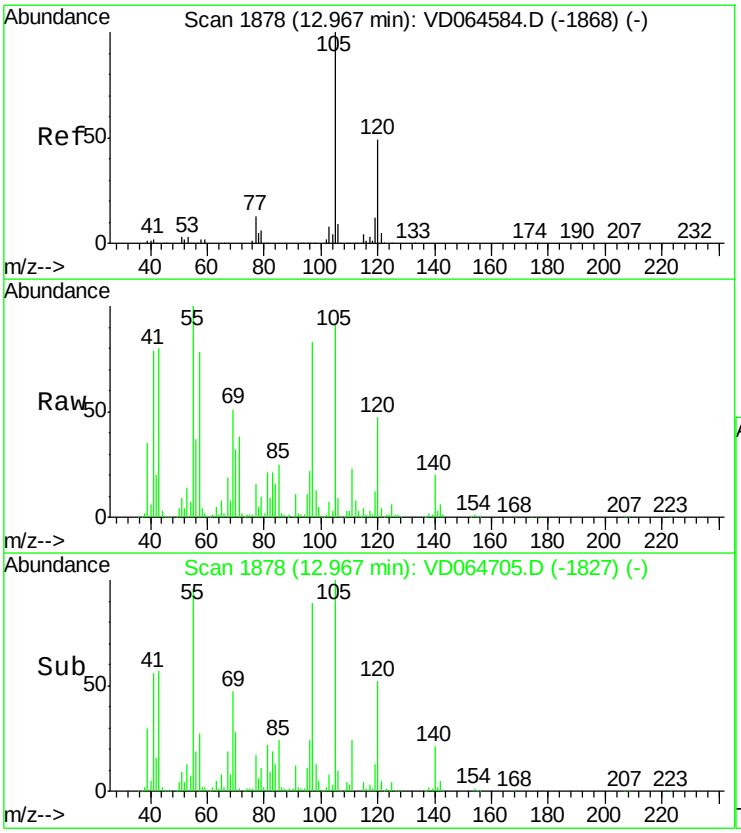
#79
2-Chlorotoluene
Concen: 1.901 ug/l
RT: 12.89 min Scan# 1865
Delta R.T. -0.02 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion: 91 Resp: 32406

Ion	Ratio	Lower	Upper
91	100		
126	4.8	17.8	53.5#

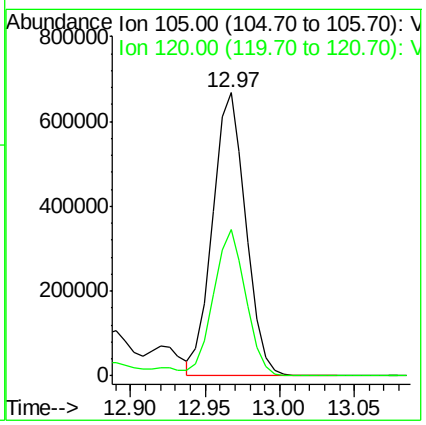


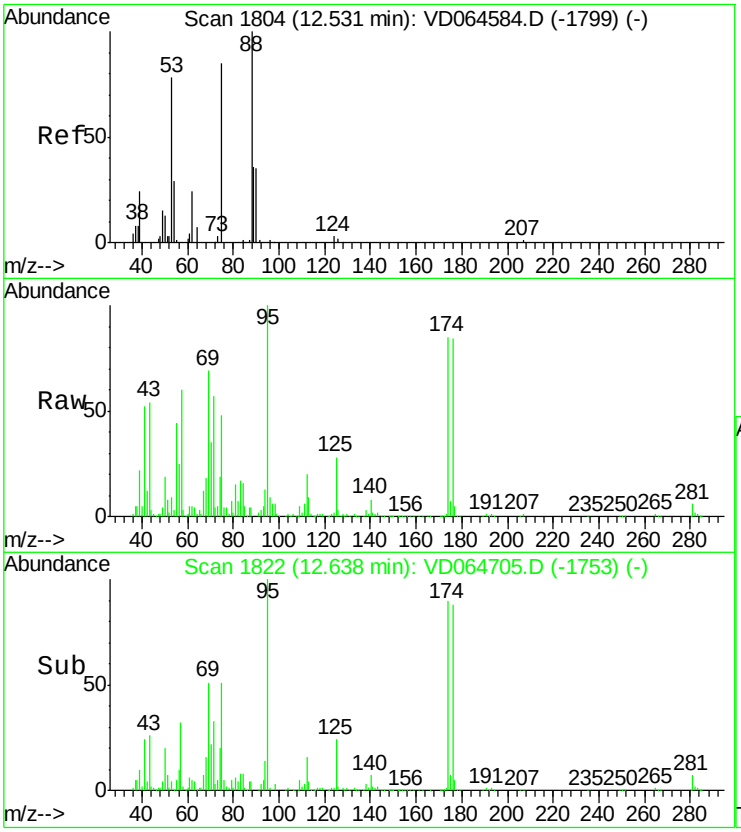


#80
1,3,5-Trimethylbenzene
Concen: 47.428 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion:105 Resp: 1036369

Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.0	75.0



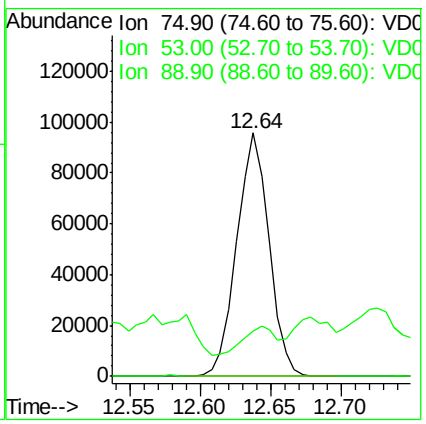


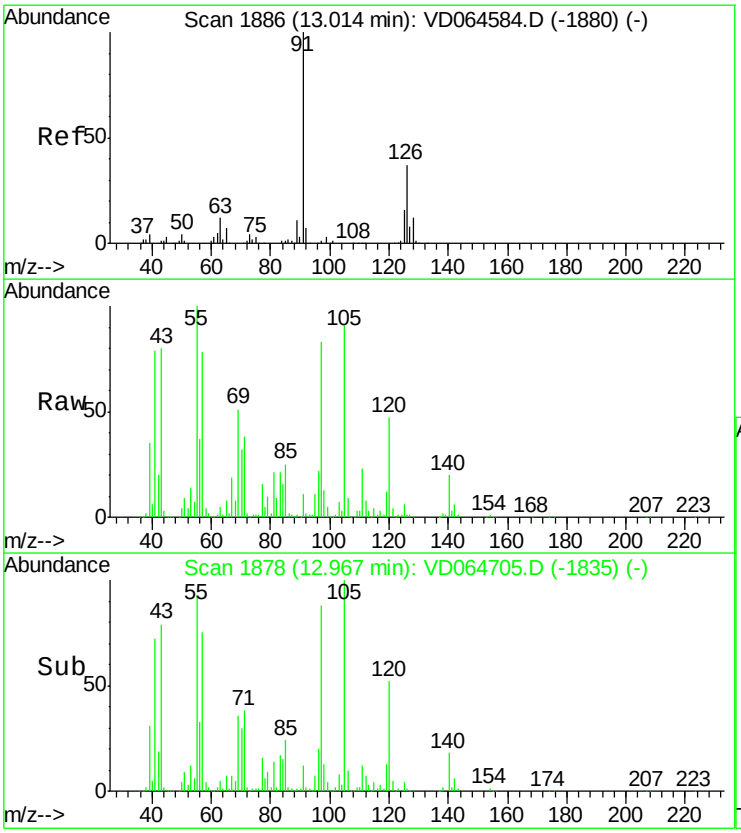
#81
trans-1,4-Dichloro-2-butene
Concen: 109.007 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
K500-2

Tgt Ion: 75 Resp: 153202

Ion	Ratio	Lower	Upper
75	100		
53	10.6	78.8	118.2#
89	0.1	38.3	57.5#

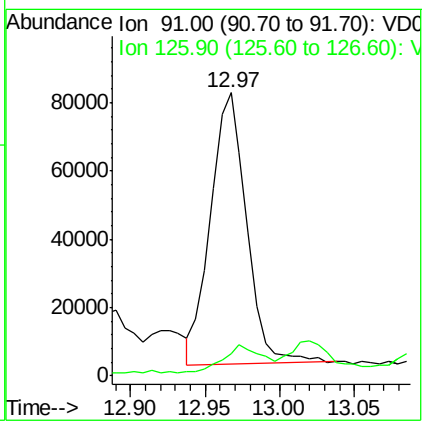


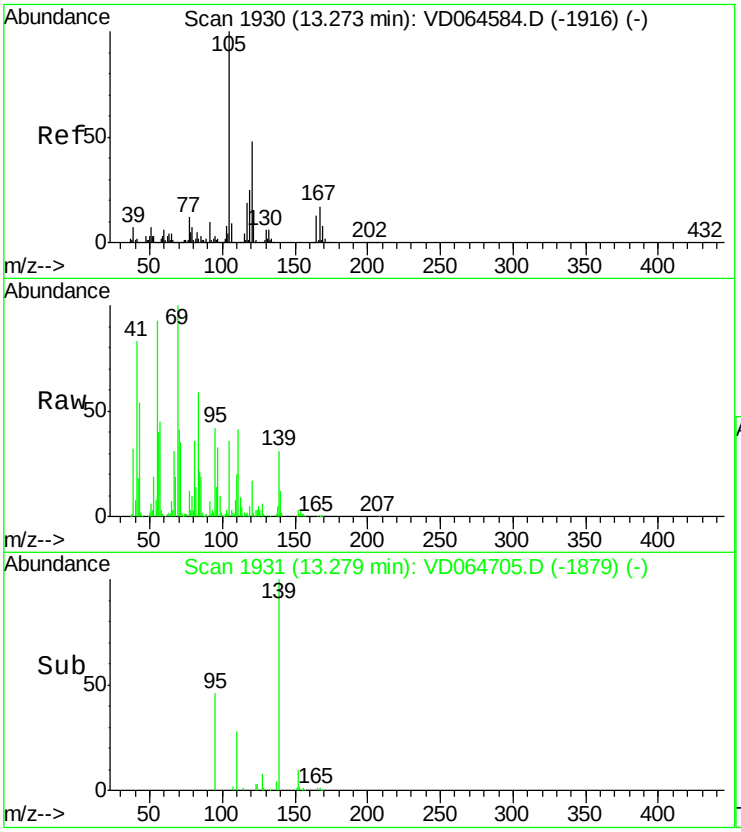


#82
4-Chlorotoluene
Concen: 7.401 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.05 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 91 Resp: 134270

Ion	Ratio	Lower	Upper
91	100		
126	11.0	17.8	53.5#



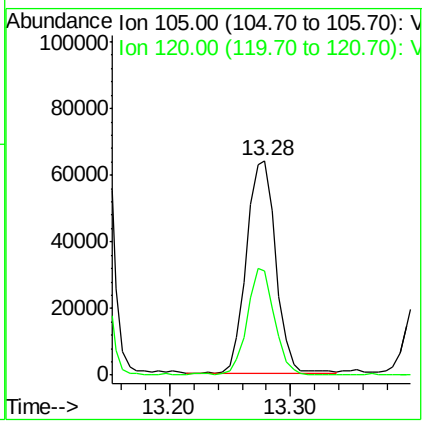


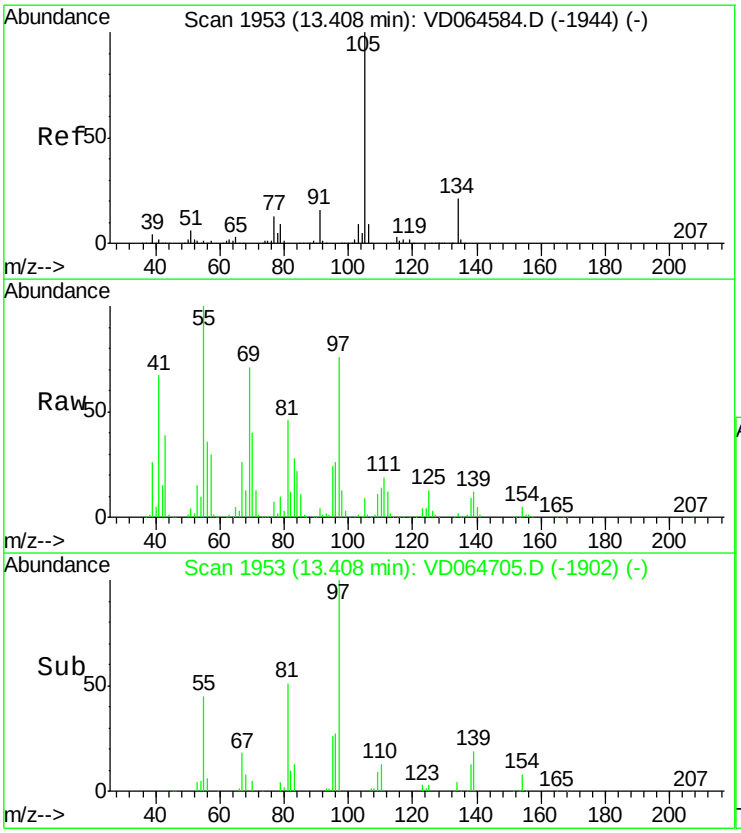
#84
1,2,4-Trimethylbenzene
Concen: 4.994 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
K500-2

Tgt Ion:105 Resp: 108675

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.2

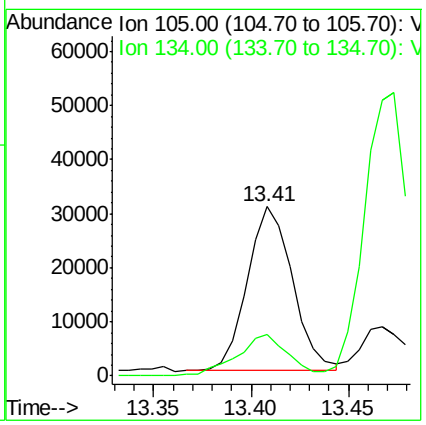


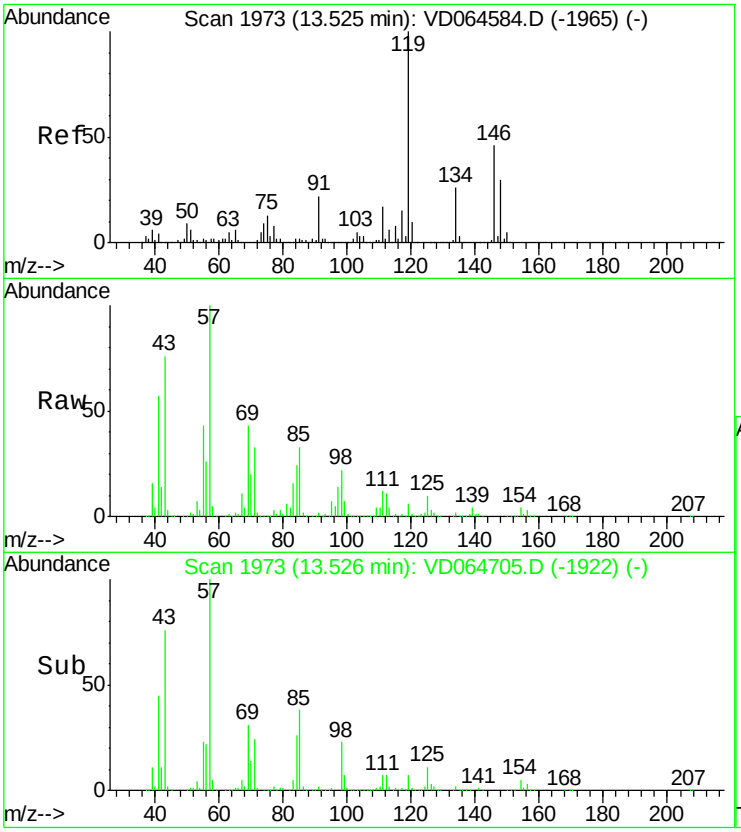


#85
sec-Butylbenzene
Concen: 1.866 ug/l
RT: 13.41 min Scan# 1953
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion:105 Resp: 48540

Ion	Ratio	Lower	Upper
105	100		
134	29.1	10.6	31.8



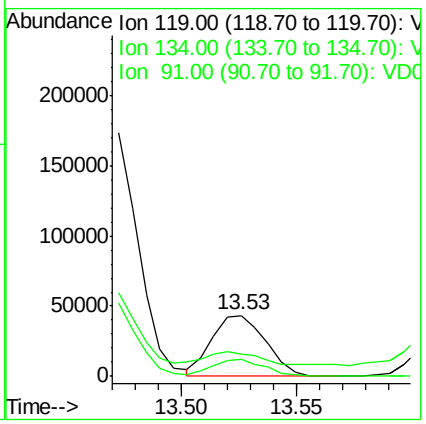


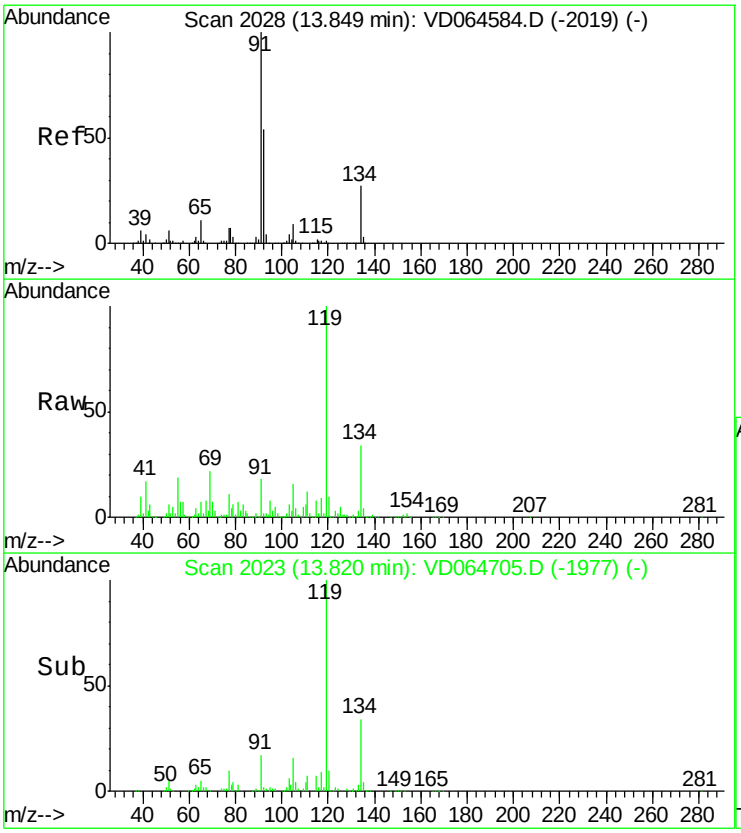
#86
p-Isopropyltoluene
Concen: 2.800 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion:119 Resp: 69637

Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.4	40.1
91	23.1	11.2	33.6

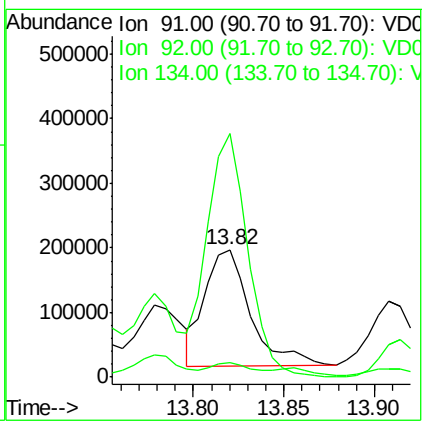


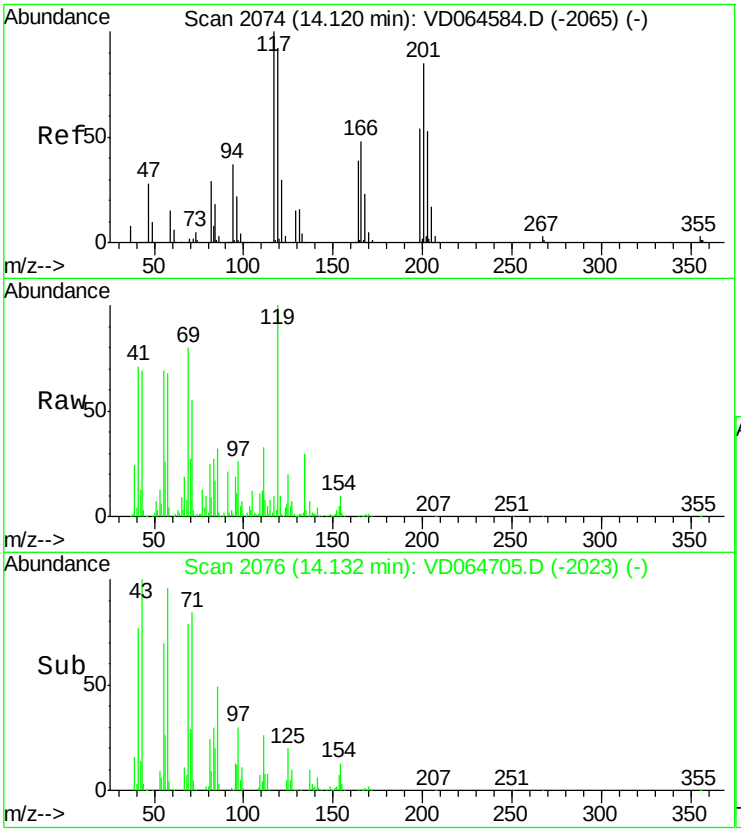


#89
n-Butylbenzene
Concen: 14.209 ug/l
RT: 13.82 min Scan# 2023
Delta R.T. -0.03 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 91 Resp: 318227

Ion	Ratio	Lower	Upper
91	100		
92	10.5	26.8	80.4#
134	185.3	14.0	41.9#



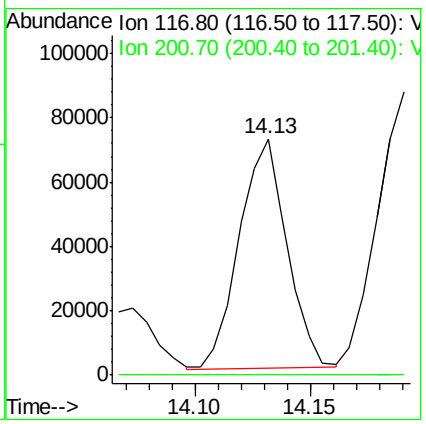


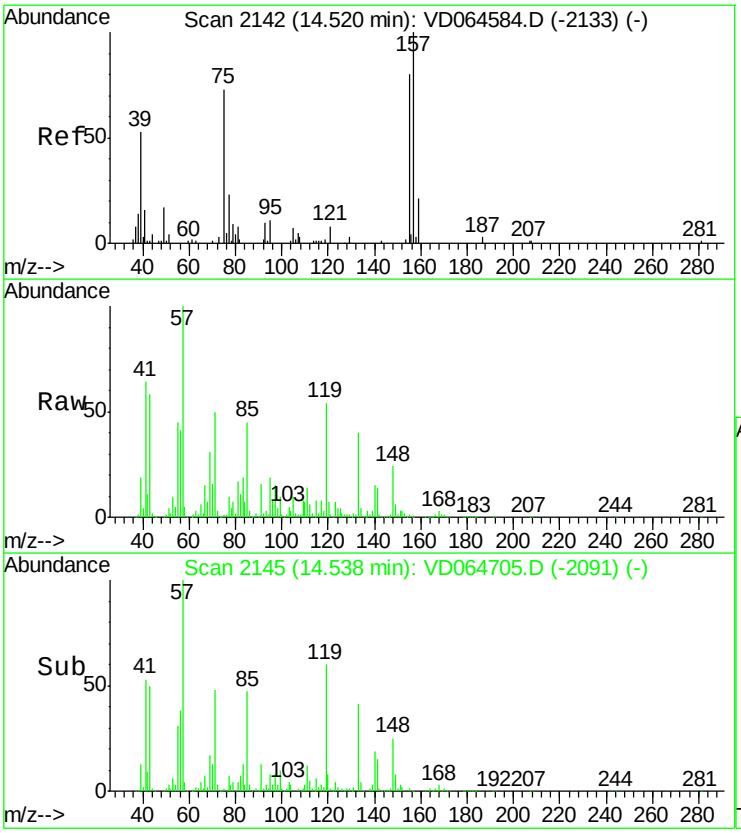
#90
Hexachloroethane
Concen: 21.505 ug/l
RT: 14.13 min Scan# 2076
Delta R.T. 0.01 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument : MSVOA_D
ClientSampleId : K500-2

Tgt Ion:117 Resp: 102166

Ion	Ratio	Lower	Upper
117	100		
201	0.0	44.0	131.8#

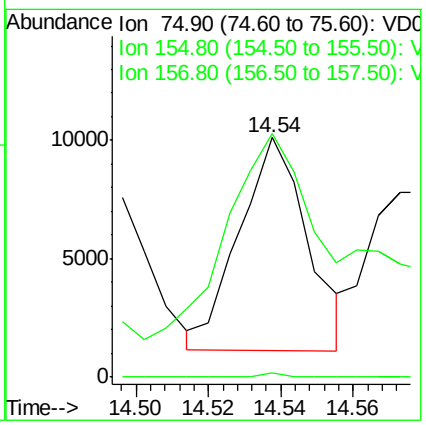


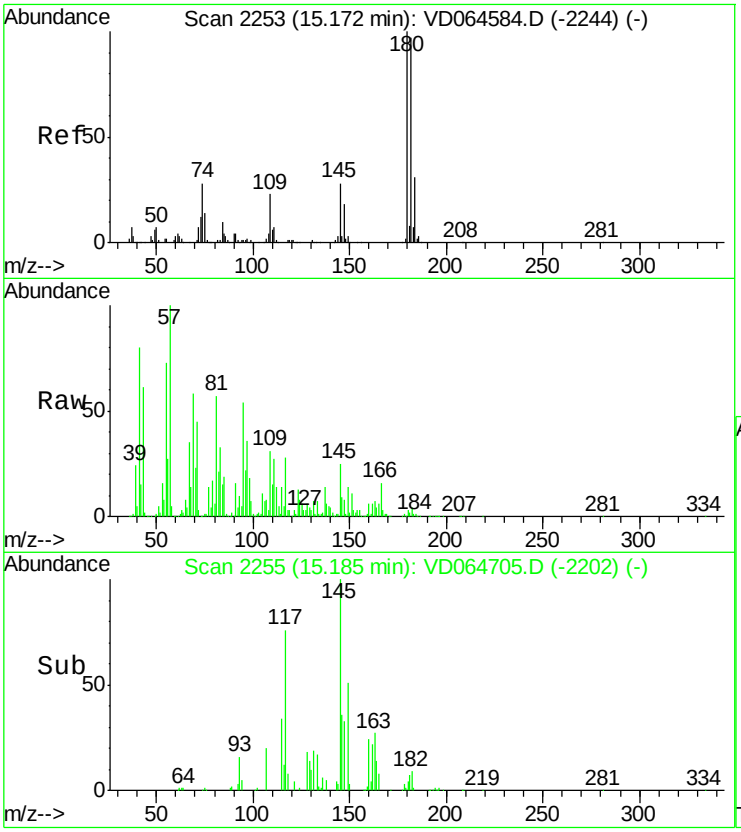


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.332 ug/l
RT: 14.54 min Scan# 2145
Delta R.T. 0.02 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion: 75 Resp: 11741

Ion	Ratio	Lower	Upper
75	100		
155	161.5	48.0	144.0#
157	0.6	64.1	192.3#



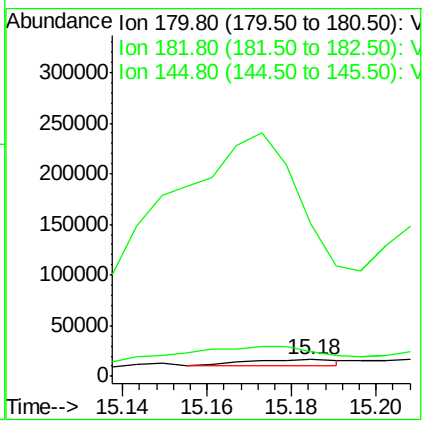


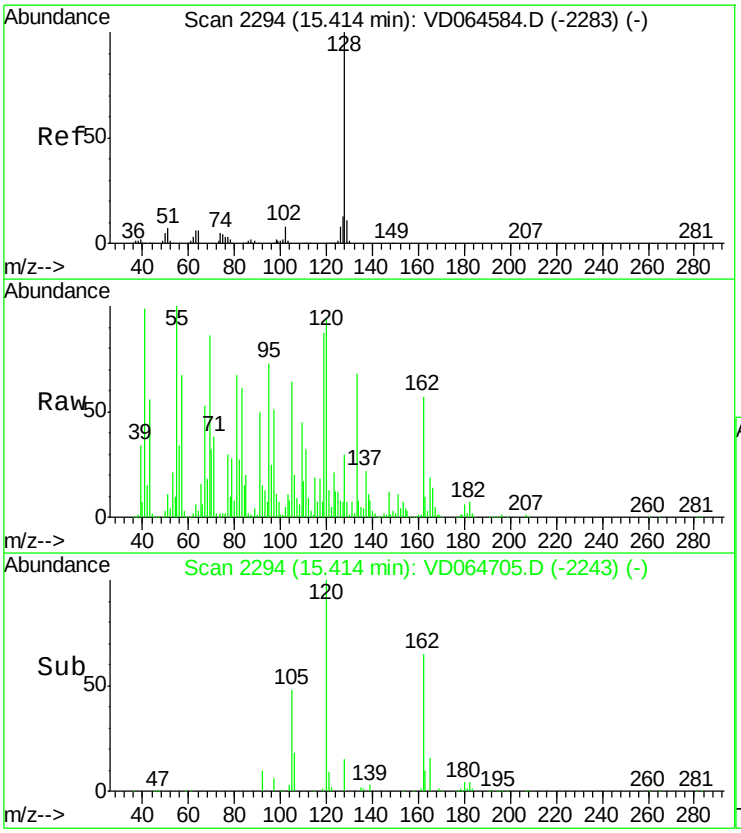
#93
1,2,4-Trichlorobenzene
Concen: 1.060 ug/l
RT: 15.18 min Scan# 2255
Delta R.T. 0.01 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
K500-2

Tgt Ion:180 Resp: 8296

Ion	Ratio	Lower	Upper
180	100		
182	567.9	48.0	144.2#
145	7953.1	13.8	41.4#

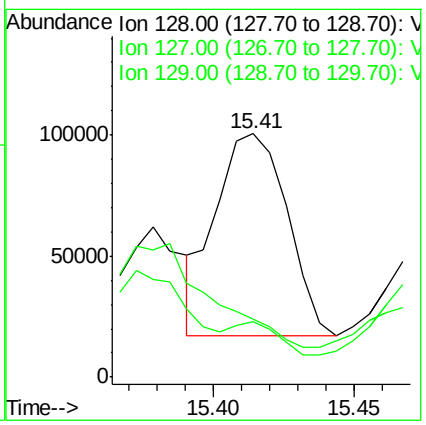


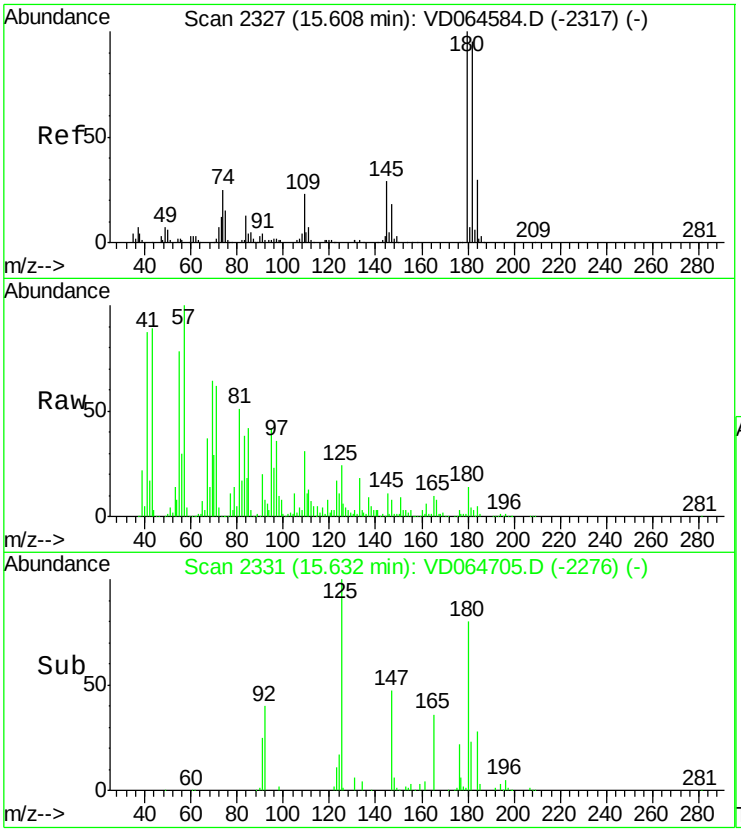


#95
Naphthalene
Concen: 11.831 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Tgt Ion:128 Resp: 146426

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.5	12.7#





#96
1,2,3-Trichlorobenzene
Concen: 21.187 ug/l
RT: 15.63 min Scan# 2331
Delta R.T. 0.02 min
Lab File: VD064705.D
Acq: 31 Dec 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
K500-2

Tgt Ion:180 Resp: 141500

Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.7#
145	0.0	14.9	44.7#