Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122118\
Data File : VD060698.D
Acq On : 21 Dec 2018 21:56
Operator : VA/AP
Sample : J6469-01
Misc : 5.08g/5ml/MSVOA_D/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Quant Time: Dec 21 22:29:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.45	168	1139250	50.00	ug/l		0.04
34) 1,4-Difluorobenzene	7.48	114	1780054	50.00	ug/l		0.04
63) Chlorobenzene-d5	11.31	117	1212098	50.00	ug/l		0.03
72) 1,4-Dichlorobenzene-d4	13.40	152	281927	50.00	ug/l		0.02
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	6.82	65	522262	66.34	ug/l		0.03
Spiked Amount 50.000			Recovery = 132.68%				
35) Dibromofluoromethane	6.36	113	668343	51.30	ug/l		0.03
Spiked Amount 50.000			Recovery = 102.60%				
50) Toluene-d8	9.49	98	1544530	39.73	ug/l		0.03
Spiked Amount 50.000			Recovery = 79.46%				
62) 4-Bromofluorobenzene	12.51	95	41415	3.04	ug/l		0.09
Spiked Amount 50.000			Recovery = 6.08%				
Target Compounds							Qvalue
16) Acetone	3.18	43	6929	5.040	ug/l	#	53
20) Methylene Chloride	3.76	84	27668	1.938	ug/l		94
25) 2-Butanone	5.69	43	2682	1.019	ug/l	#	61
31) Cyclohexane	6.44	56	20640	1.038	ug/l	#	1
36) 1,1-Dichloropropene	6.44	75	84193	4.593	ug/l	#	46
38) Carbon Tetrachloride	6.44	117	87740	5.426	ug/l	#	15
51) 4-Methyl-2-Pentanone	9.38	43	6049	1.004	ug/l		89
59) 2-Hexanone	10.61	43	63781	15.118	ug/l	#	47
67) Ethyl Benzene	11.46	91	444778	9.698	ug/l		96
68) m/p-Xylenes	11.59	106	1245255	74.296	ug/l		94
69) o-Xylene	11.96	106	1059556	66.633	ug/l		92
70) Styrene	11.96	104	50769	1.982	ug/l	#	1
73) Isopropylbenzene	12.30	105	515720	25.692	ug/l		97
74) N-amyl acetate	12.12	43	812662	171.541	ug/l	#	63
75) 1,1,2,2-Tetrachloroethane	12.56	83	142896	43.920	ug/l	#	62
76) 1,2,3-Trichloropropane	12.67	75	18537	5.775	ug/l	#	1
78) n-propylbenzene	12.67	91	3641936	141.920	ug/l		98
79) 2-Chlorotoluene	12.74	91	1728922	125.788	ug/l	#	40
80) 1,3,5-Trimethylbenzene	12.83	105	5435837	350.699	ug/l		92
81) trans-1,4-Dichloro-2-buten	12.30	75	5234	5.901	ug/l	#	1
82) 4-Chlorotoluene	12.83	91	569538	36.558	ug/l	#	46
83) tert-Butylbenzene	12.97	119	101561	5.757	ug/l	#	1
84) 1,2,4-Trimethylbenzene	13.13	105	10900925	682.845	ug/l		96
85) sec-Butylbenzene	13.25	105	1686413	78.392	ug/l		97
86) p-Isopropyltoluene	13.32	119	2013002	115.921	ug/l		96
89) n-Butylbenzene	13.68	91	3413612	192.365	ug/l		96
90) Hexachloroethane	13.86	117	888938	208.376	ug/l	#	7
92) 1,2-Dibromo-3-Chloropropan	14.22	75	25328	66.263	ug/l	#	10
93) 1,2,4-Trichlorobenzene	14.84	180	10582	1.704	ug/l	#	1
95) Naphthalene	14.99	128	1532305	207.618	ug/l	#	97
96) 1,2,3-Trichlorobenzene	15.12	180	7622	1.570	ug/l	#	1

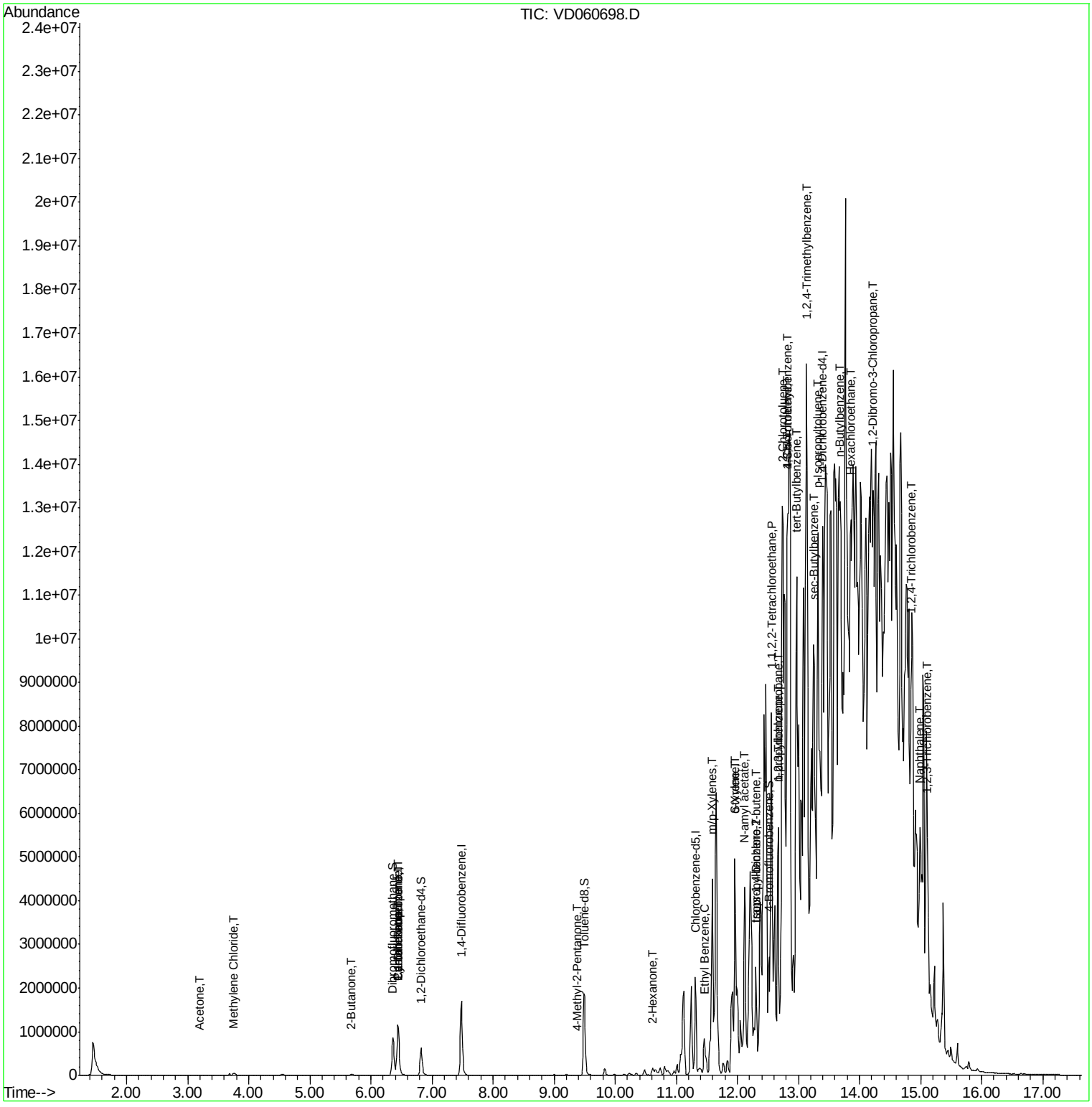
(#) = qualifier out of range (m) = manual integration (+) = signals summed

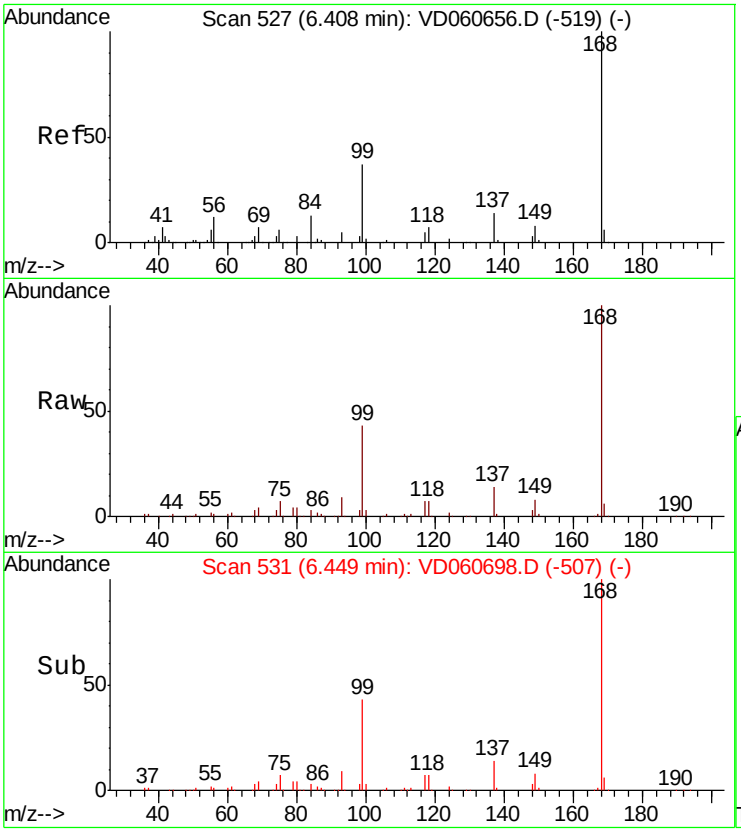
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
Data File : VD060698.D
Acq On : 21 Dec 2018 21:56
Operator : VA/AP
Sample : J6469-01
Misc : 5.08g/5ml/MSVOA D/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Quant Time: Dec 21 22:29:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration



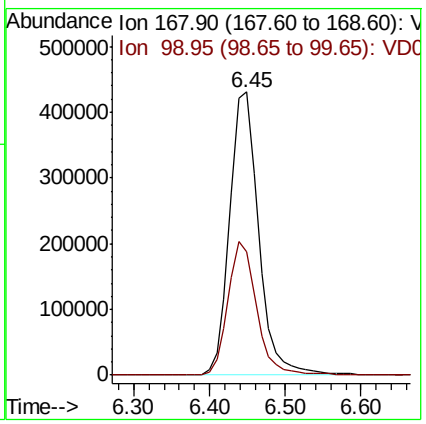


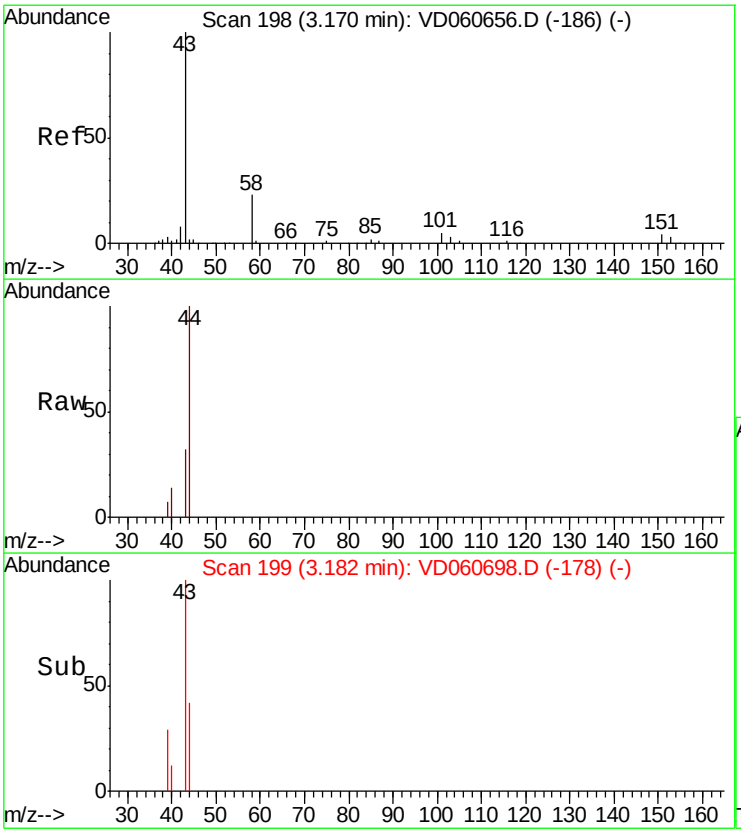
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.45 min Scan# 531
Delta R.T. 0.04 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1

Tgt Ion:168 Resp: 1139250

Ion	Ratio	Lower	Upper
168	100		
99	43.4	38.7	58.1

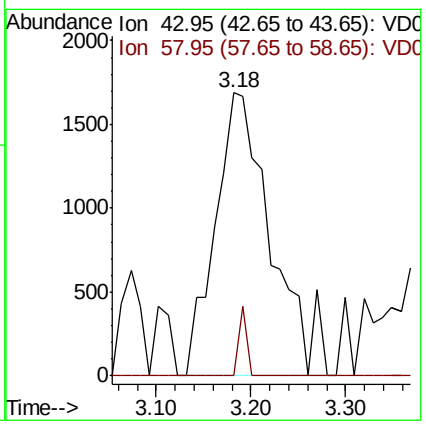


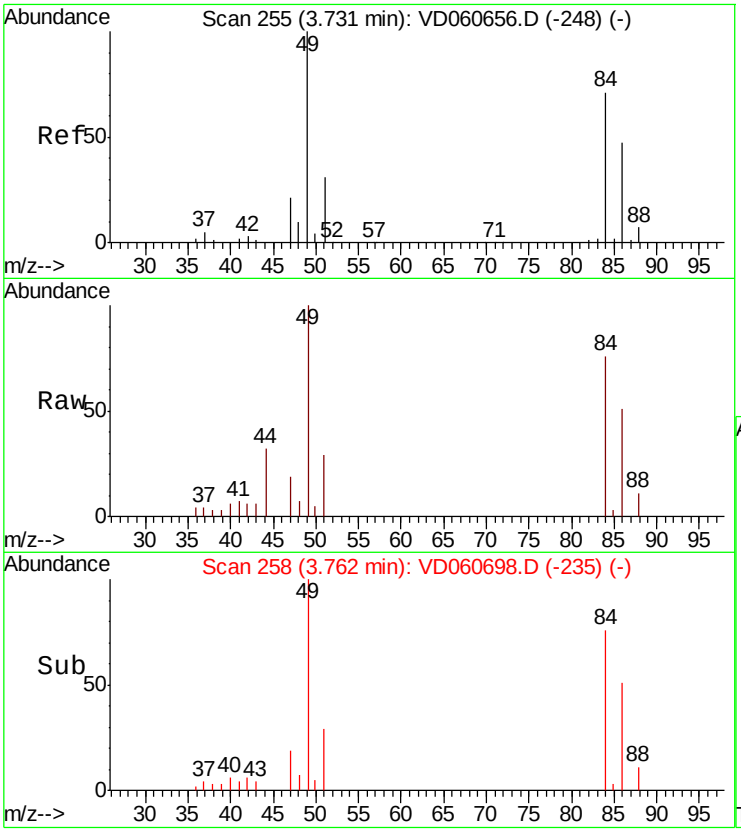


#16
Acetone
Concen: 5.040 ug/l
RT: 3.18 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 43 Resp: 6929

Ion	Ratio	Lower	Upper
43	100		
58	0.0	18.2	27.2#



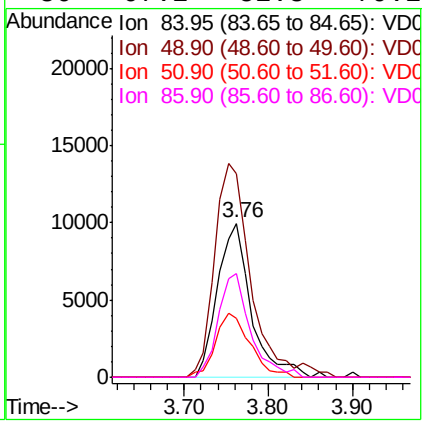


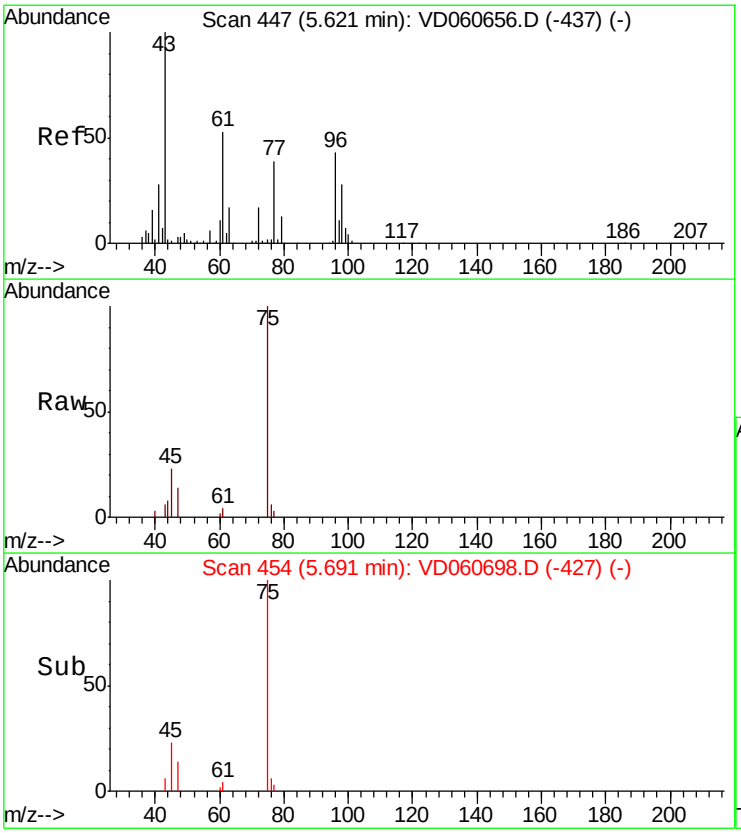
#20
Methylene Chloride
Concen: 1.938 ug/l
RT: 3.76 min Scan# 258
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Tgt Ion: 84 Resp: 27668

Ion	Ratio	Lower	Upper
84	100		
49	132.3	113.6	170.4
51	38.5	34.7	52.1
86	67.2	52.8	79.2

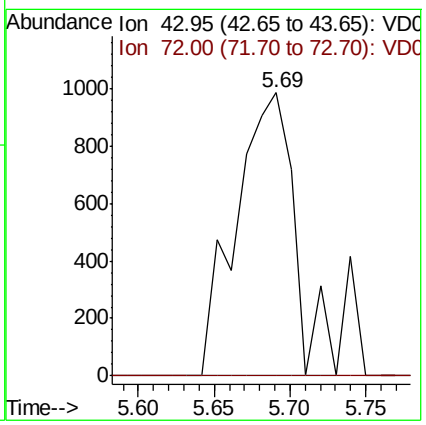


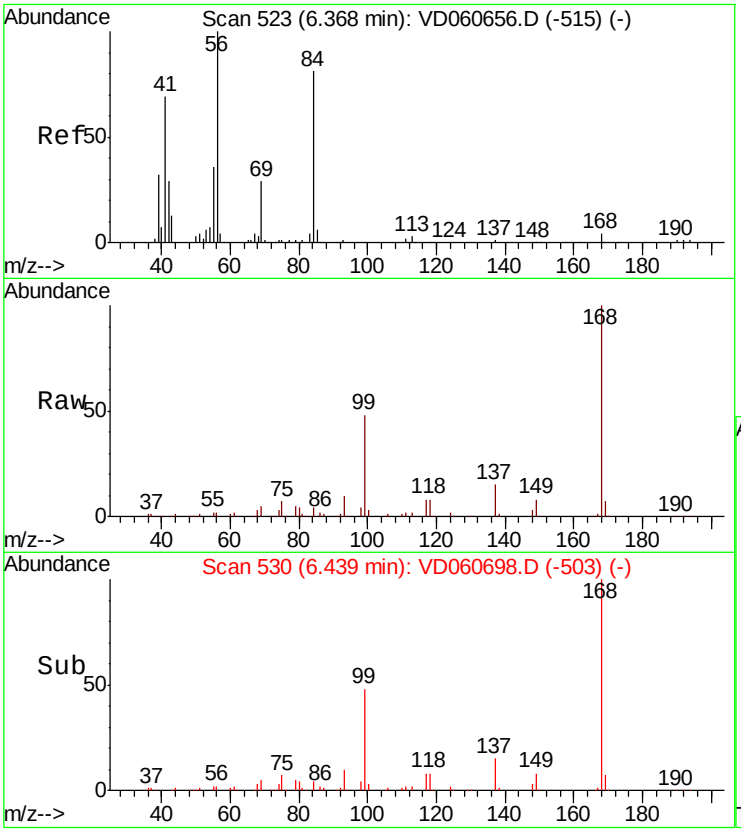


#25
2-Butanone
Concen: 1.019 ug/l
RT: 5.69 min Scan# 454
Delta R.T. 0.07 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 43 Resp: 2682

Ion	Ratio	Lower	Upper
43	100		
72	0.0	13.7	20.5#



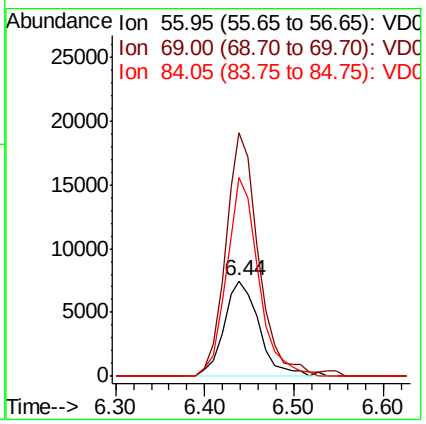


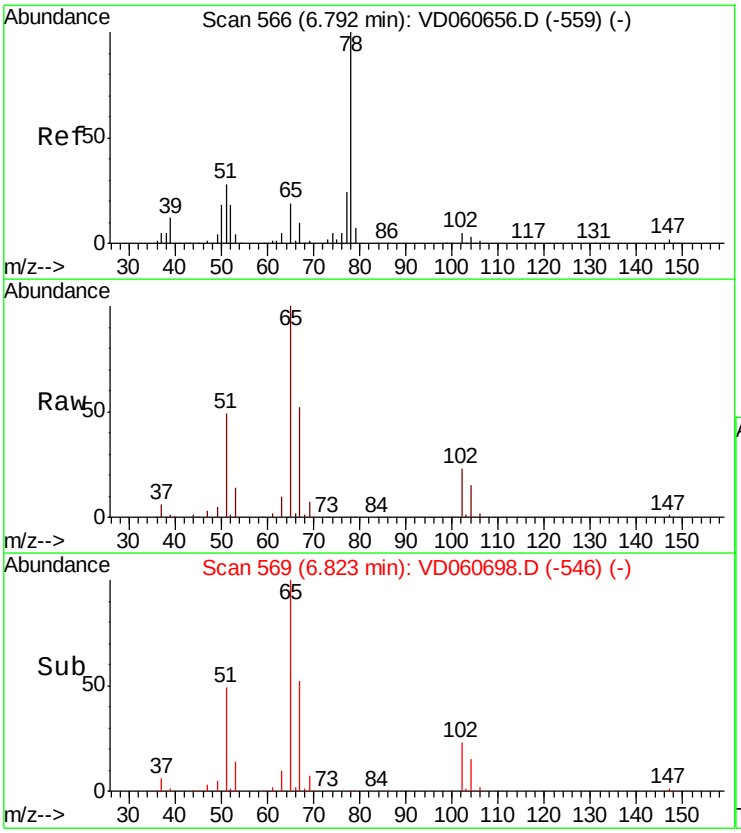
#31
Cyclohexane
Concen: 1.038 ug/l
RT: 6.44 min Scan# 530
Delta R.T. 0.07 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Tgt Ion: 56 Resp: 20640

Ion	Ratio	Lower	Upper
56	100		
69	255.6	23.6	35.4#
84	208.9	65.8	98.6#

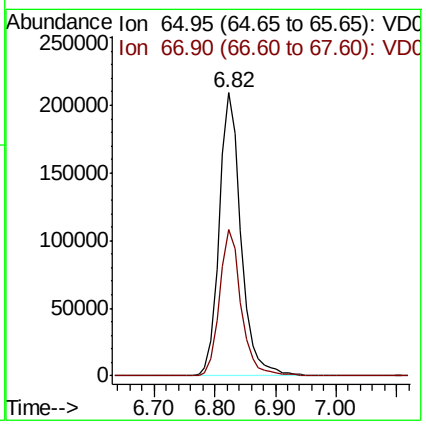


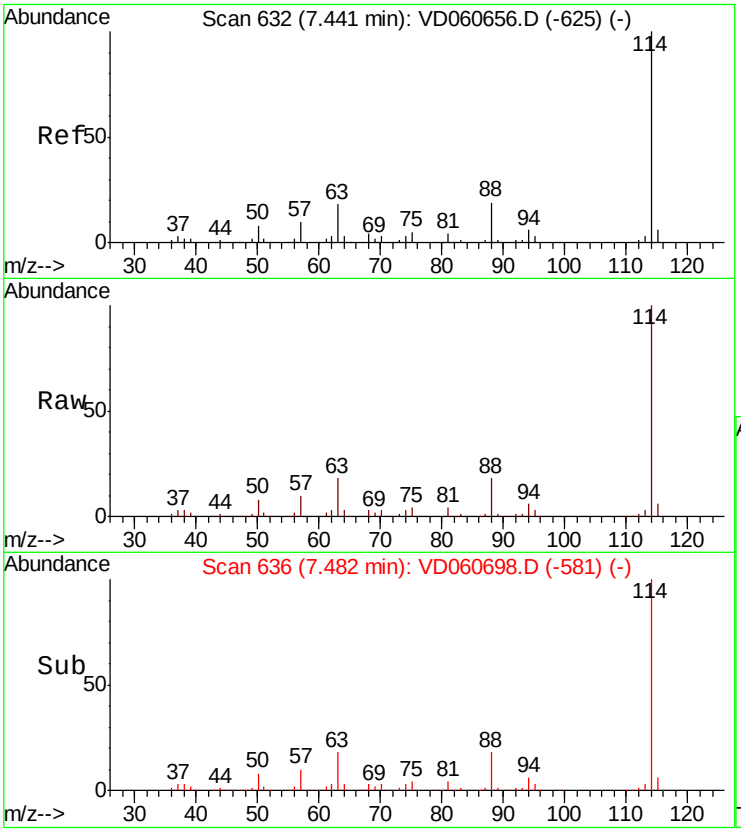


#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.82 min Scan# 569
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 65 Resp: 522262

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	105.4



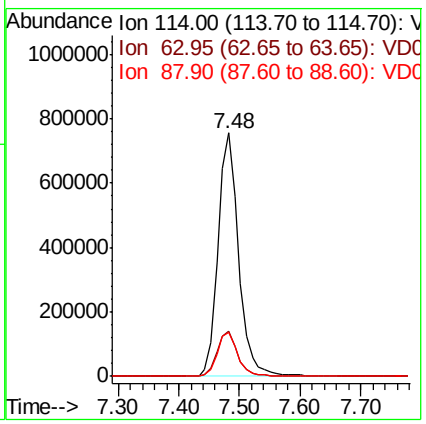


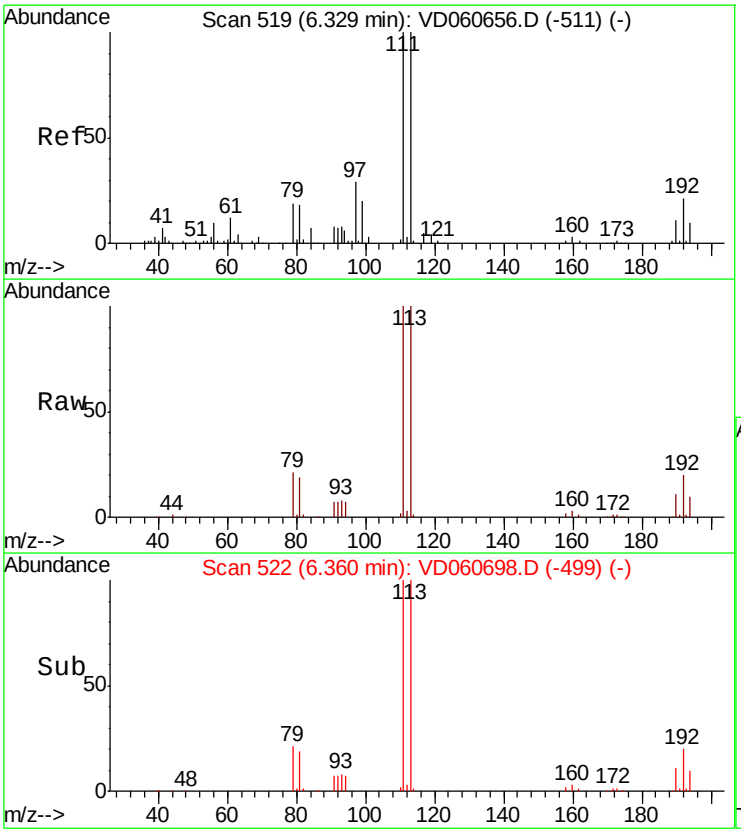
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.48 min Scan# 636
Delta R.T. 0.04 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1

Tgt Ion:114 Resp: 1780054

Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	36.2
88	18.0	0.0	37.0

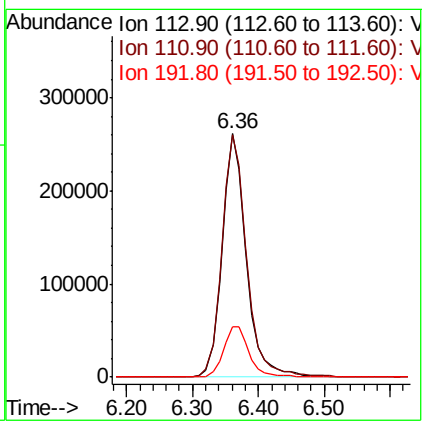


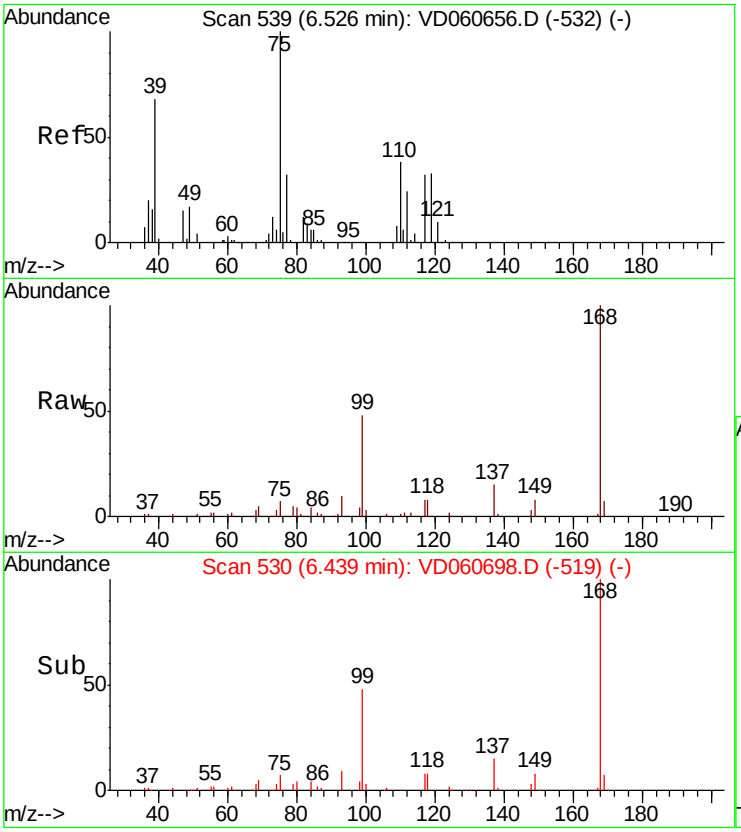


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.36 min Scan# 522
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion:113 Resp: 668343

Ion	Ratio	Lower	Upper
113	100		
111	99.6	80.0	120.0
192	20.4	16.6	25.0



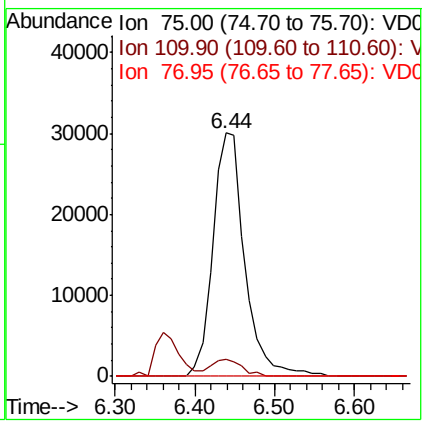


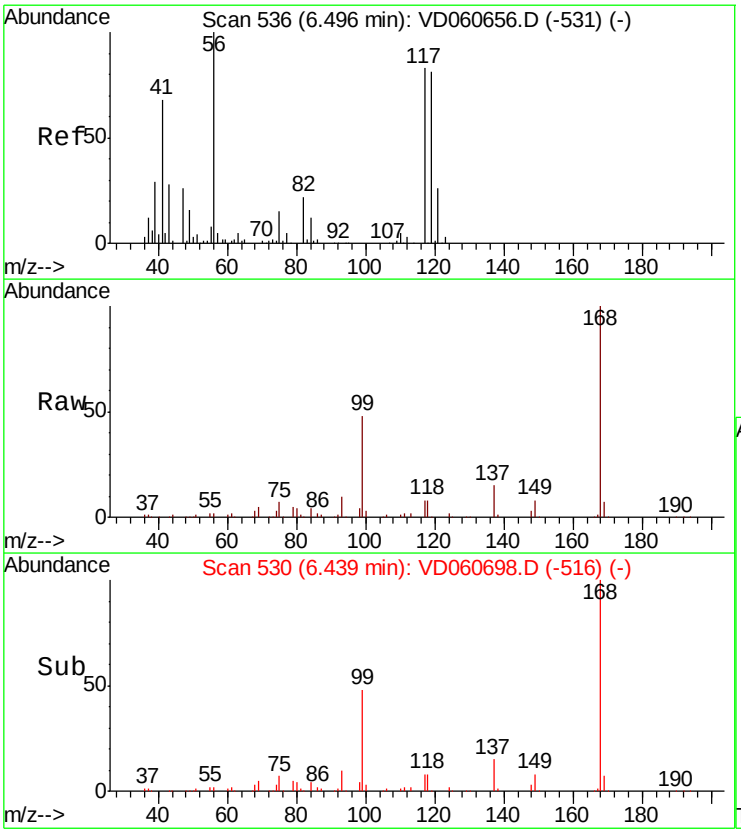
#36
1,1-Dichloropropene
Concen: 4.593 ug/l
RT: 6.44 min Scan# 530
Delta R.T. -0.09 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1

Tgt Ion: 75 Resp: 84193

Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.9	56.7#
77	0.0	25.4	38.0#

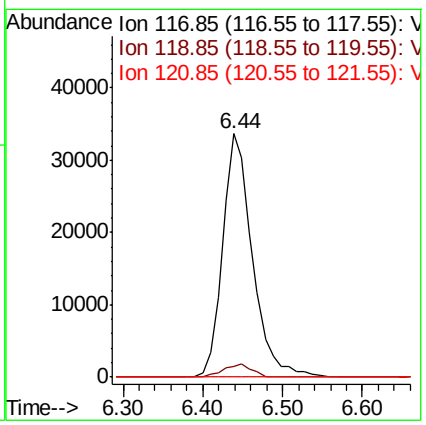


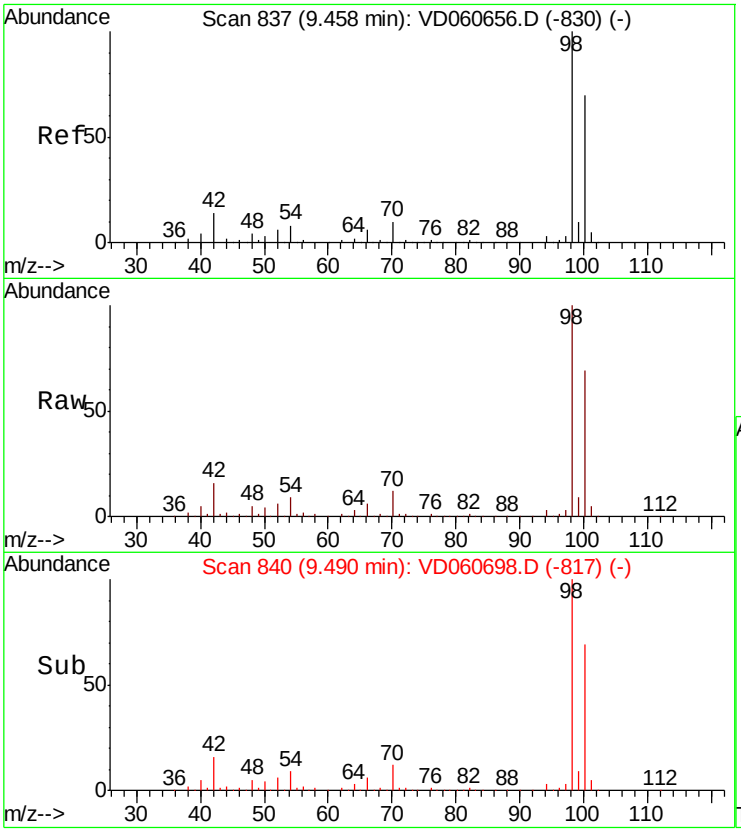


#38
Carbon Tetrachloride
Concen: 5.426 ug/l
RT: 6.44 min Scan# 530
Delta R.T. -0.06 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion:117 Resp: 87740

Ion	Ratio	Lower	Upper
117	100		
119	4.3	77.0	115.4#
121	0.0	24.7	37.1#



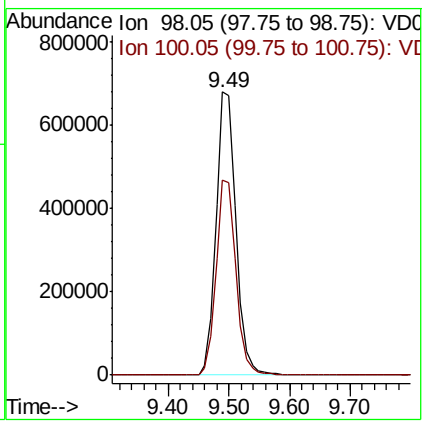


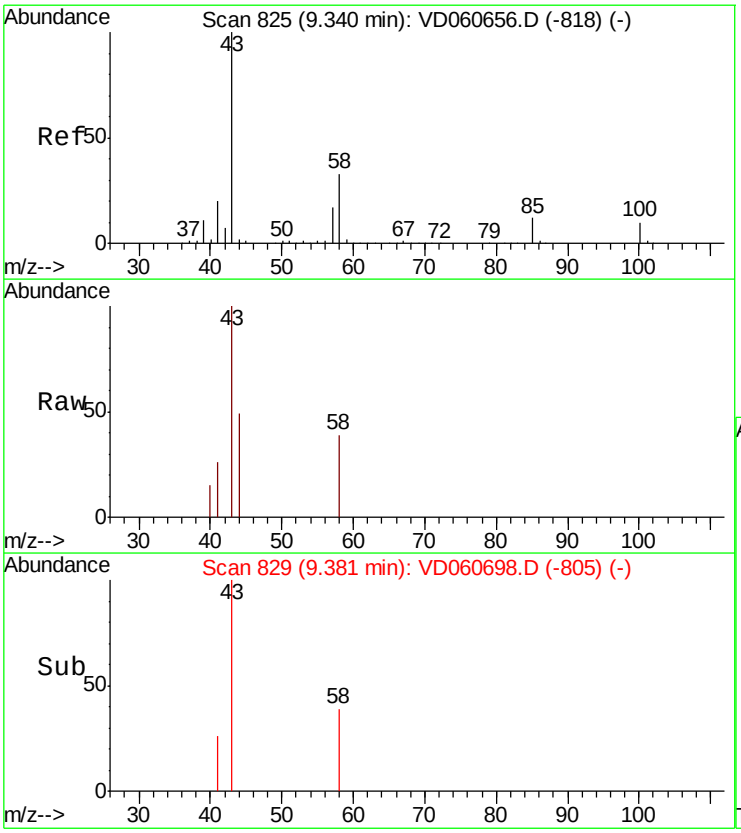
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.49 min Scan# 840
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Tgt Ion: 98 Resp: 1544530

Ion	Ratio	Lower	Upper
98	100		
100	69.0	55.8	83.8

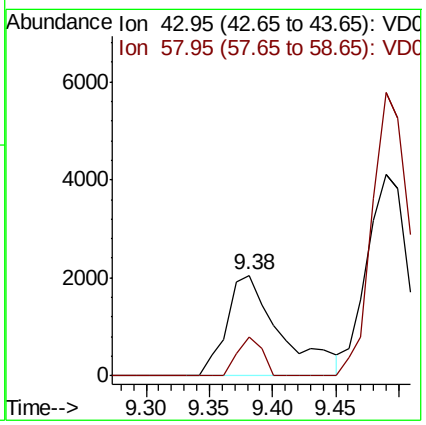


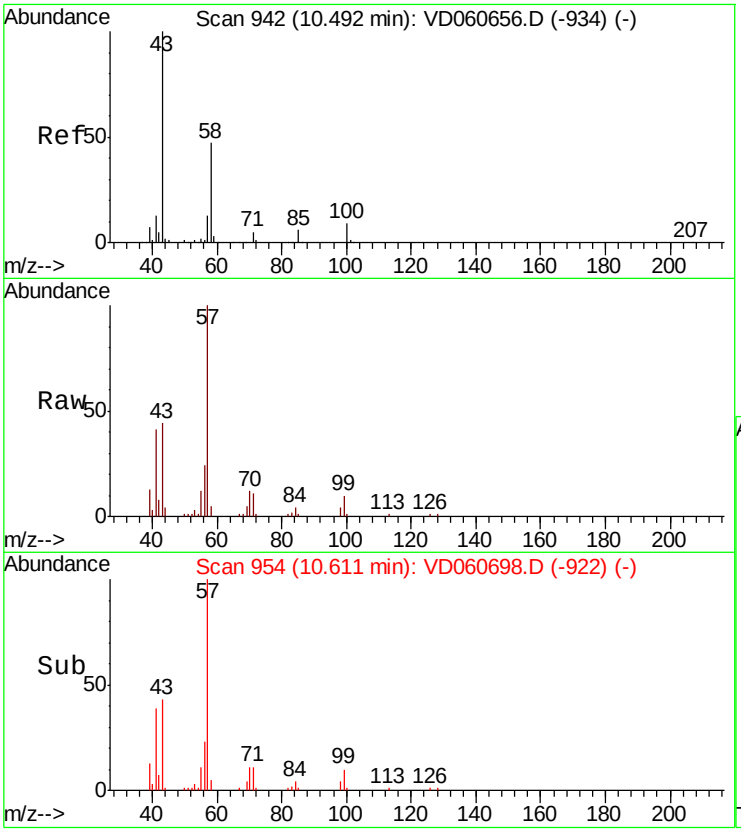


#51
4-Methyl-2-Pentanone
Concen: 1.004 ug/l
RT: 9.38 min Scan# 829
Delta R.T. 0.04 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 43 Resp: 6049

Ion	Ratio	Lower	Upper
43	100		
58	38.9	26.3	39.5



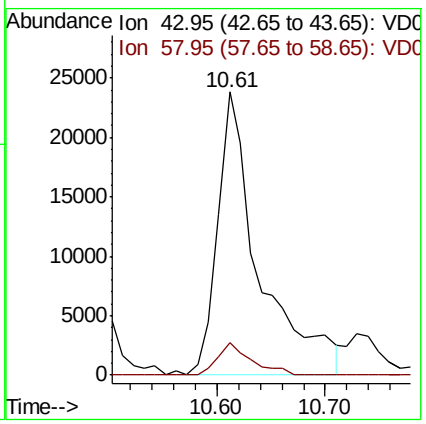


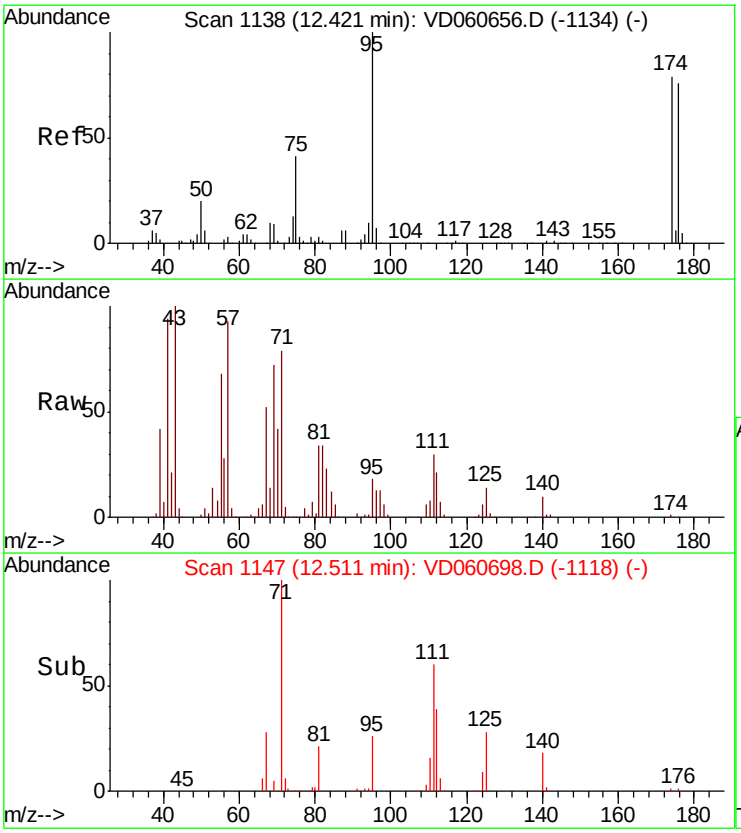
#59
2-Hexanone
Concen: 15.118 ug/l
RT: 10.61 min Scan# 954
Delta R.T. 0.12 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1

Tgt Ion: 43 Resp: 63781

Ion	Ratio	Lower	Upper
43	100		
58	11.5	23.5	70.5#

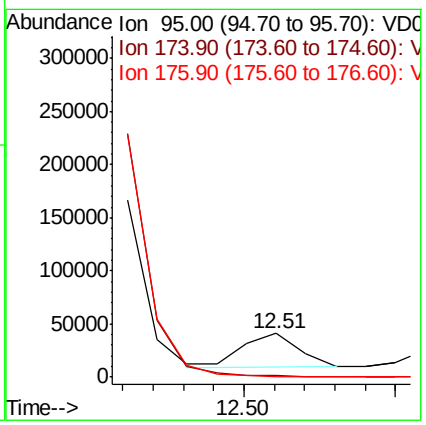


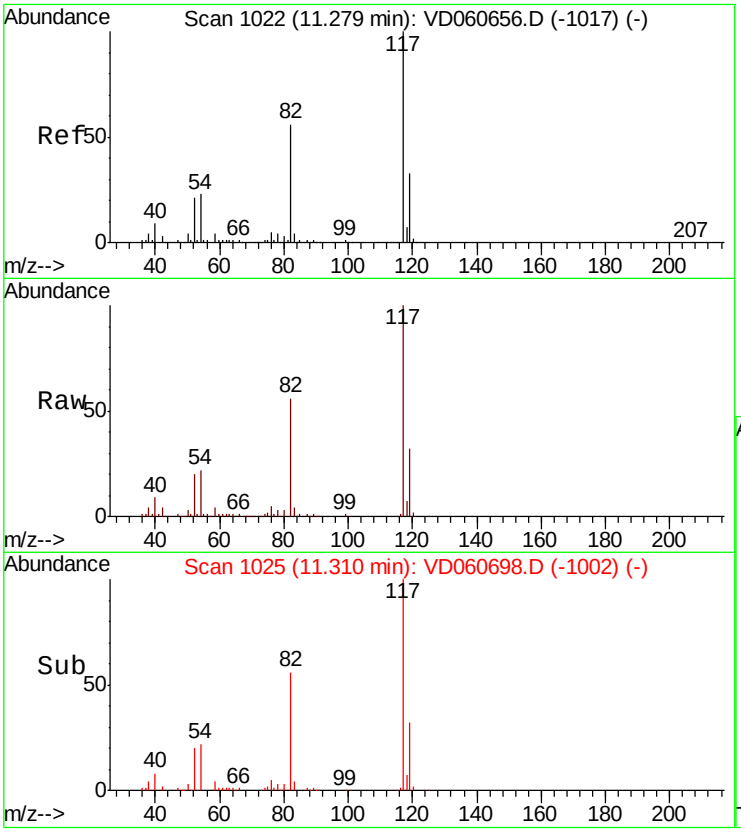


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.51 min Scan# 1147
Delta R.T. 0.09 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 95 Resp: 41415

Ion	Ratio	Lower	Upper
95	100		
174	2.9	0.0	158.2
176	2.1	0.0	152.4



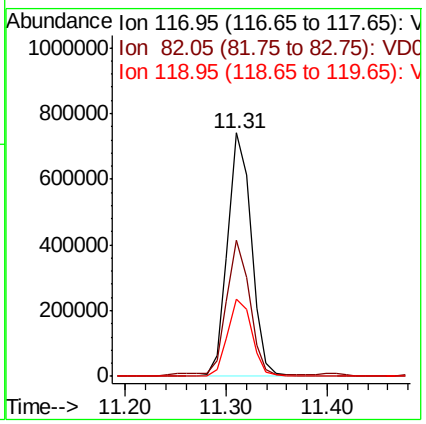


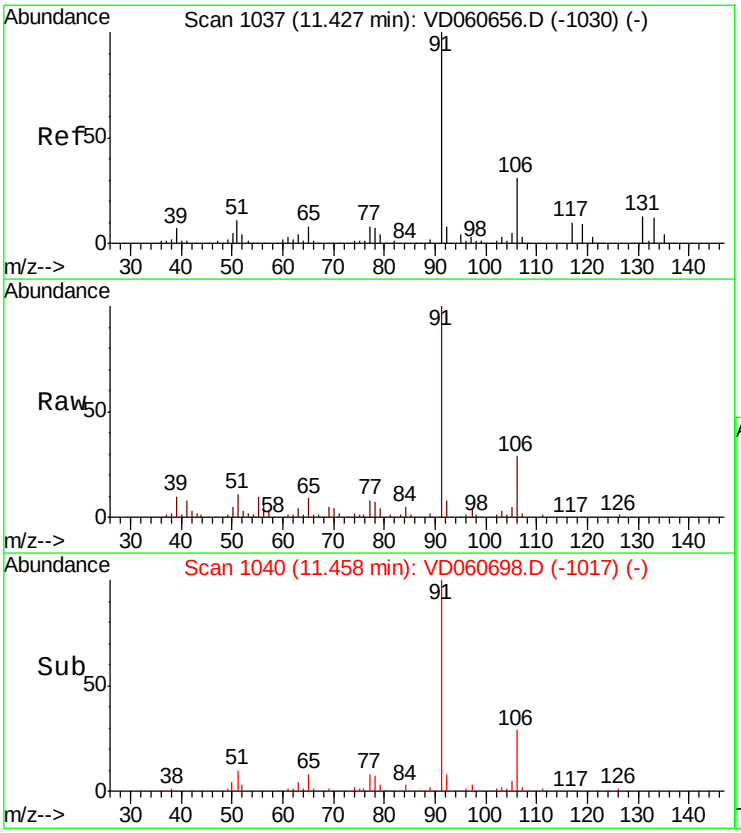
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Tgt Ion:117 Resp: 1212098

Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.5	66.7
119	31.9	26.3	39.5

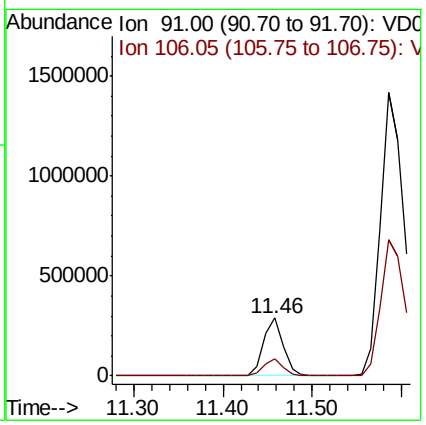


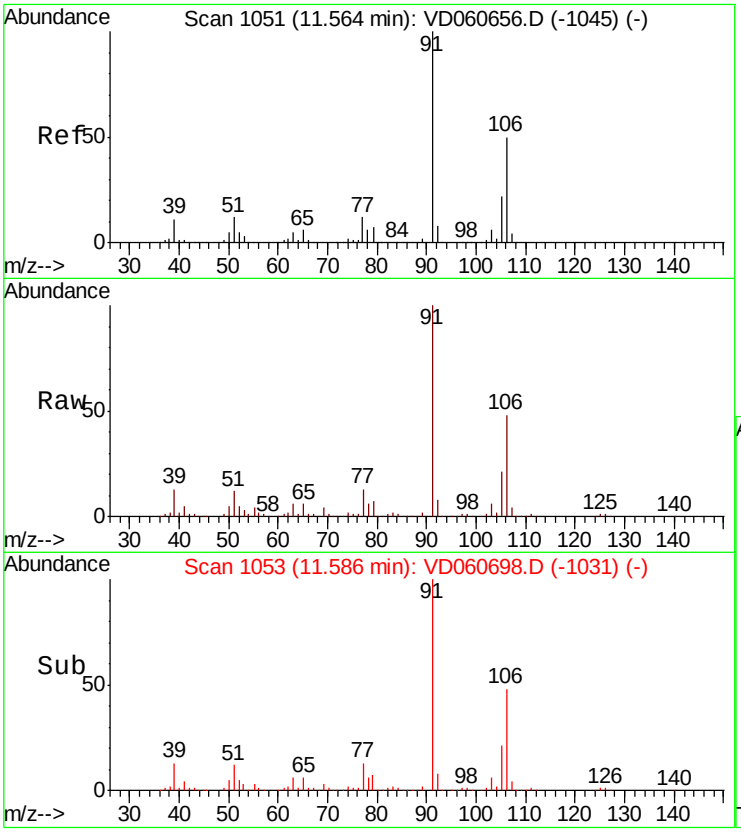


#67
Ethyl Benzene
Concen: 9.698 ug/l
RT: 11.46 min Scan# 1040
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 91 Resp: 444778

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.6	36.8



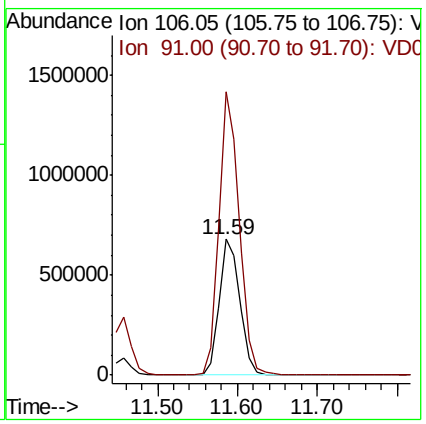


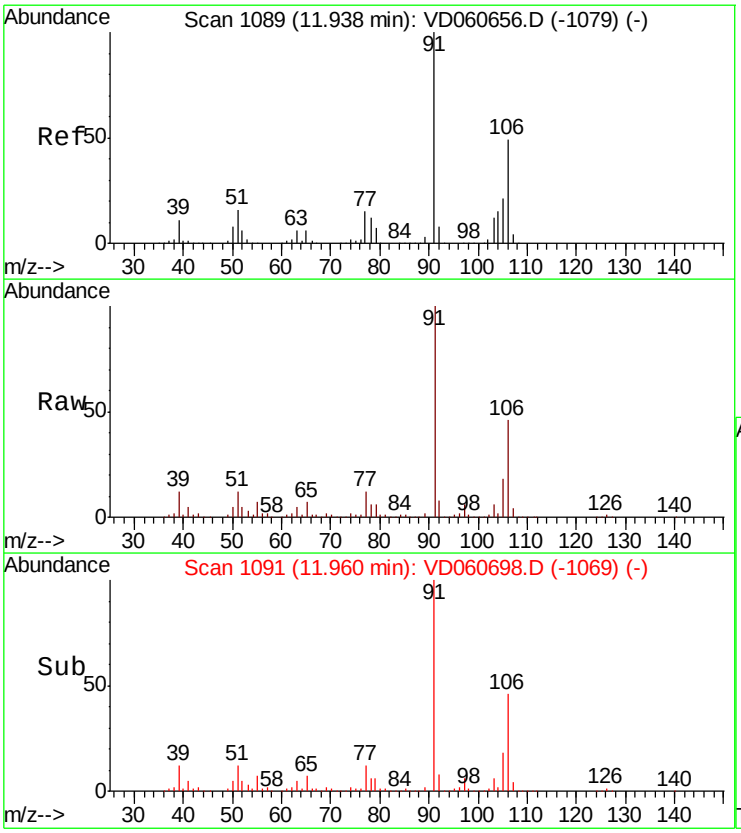
#68
m/p-Xylenes
Concen: 74.296 ug/l
RT: 11.59 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Tgt Ion:106 Resp: 1245255

Ion	Ratio	Lower	Upper
106	100		
91	208.2	158.9	238.3

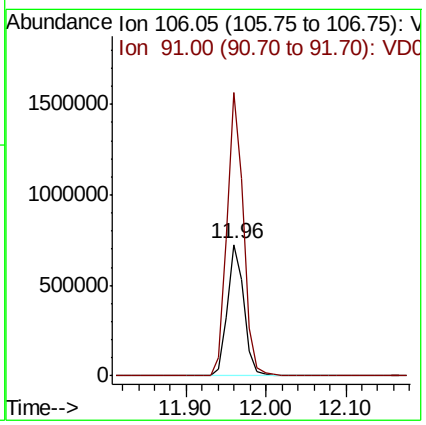


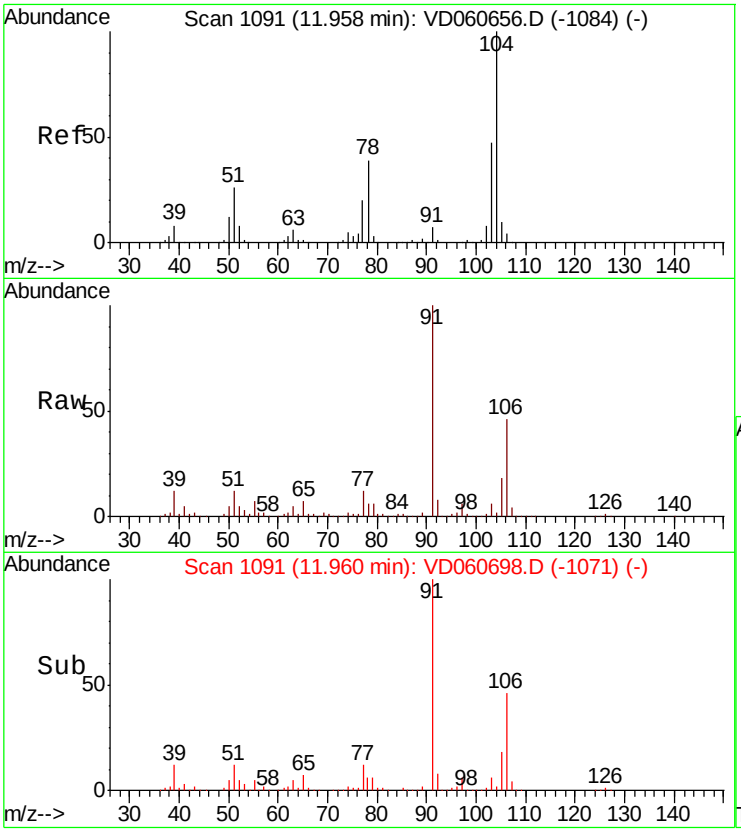


#69
o-Xylene
Concen: 66.633 ug/l
RT: 11.96 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion:106 Resp: 1059556

Ion	Ratio	Lower	Upper
106	100		
91	215.2	101.5	304.5



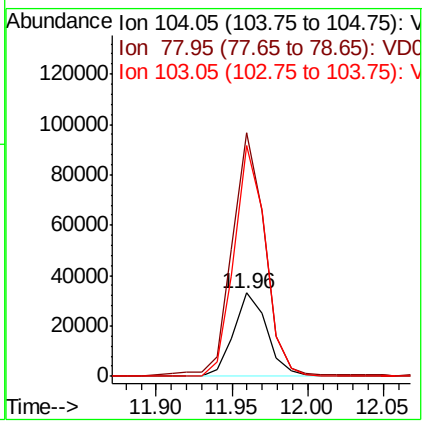


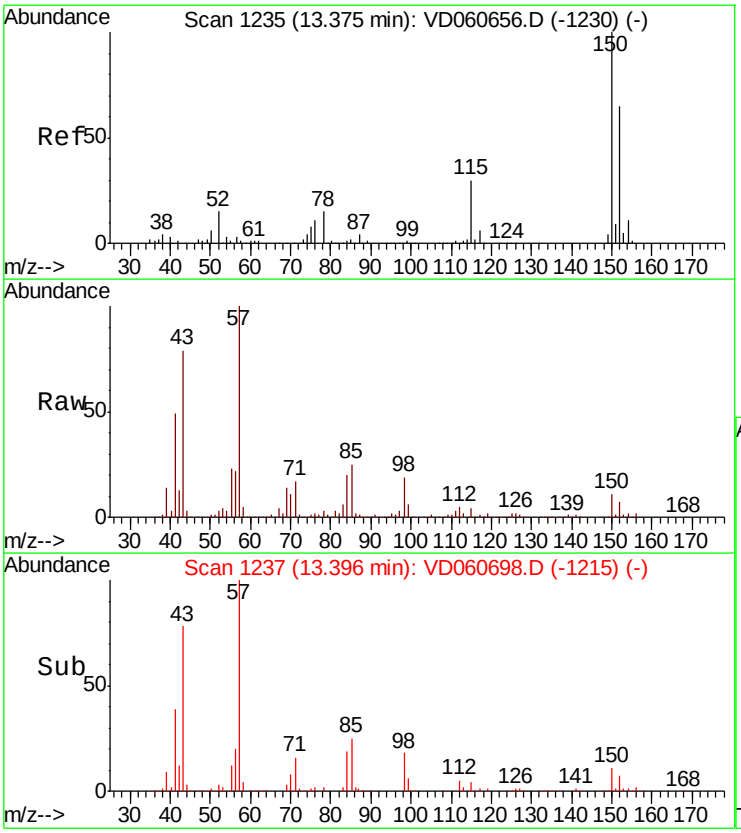
#70
Stvrene
Concen: 1.982 ug/l
RT: 11.96 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Tgt Ion:104 Resp: 50769

Ion	Ratio	Lower	Upper
104	100		
78	292.5	31.4	47.2#
103	277.1	37.5	56.3#

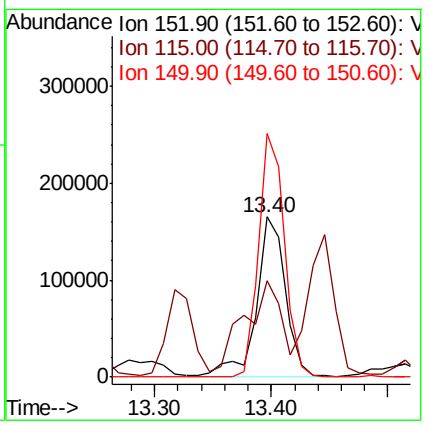


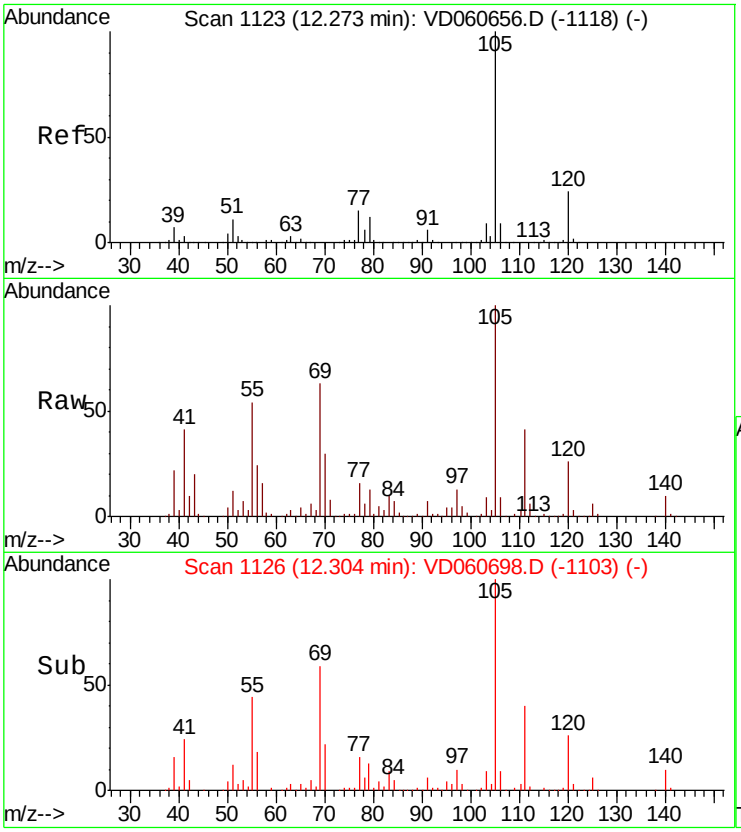


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.40 min Scan# 1237
Delta R.T. 0.02 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion:152 Resp: 281927

Ion	Ratio	Lower	Upper
152	100		
115	60.7	24.1	72.3
150	152.3	0.0	315.0



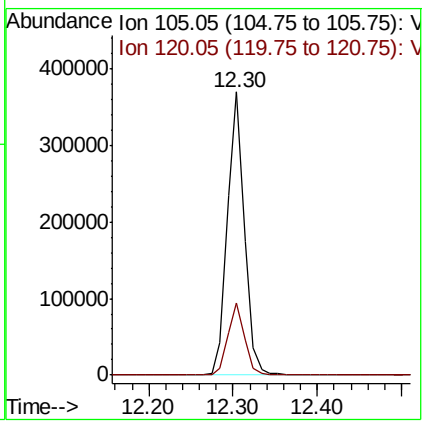


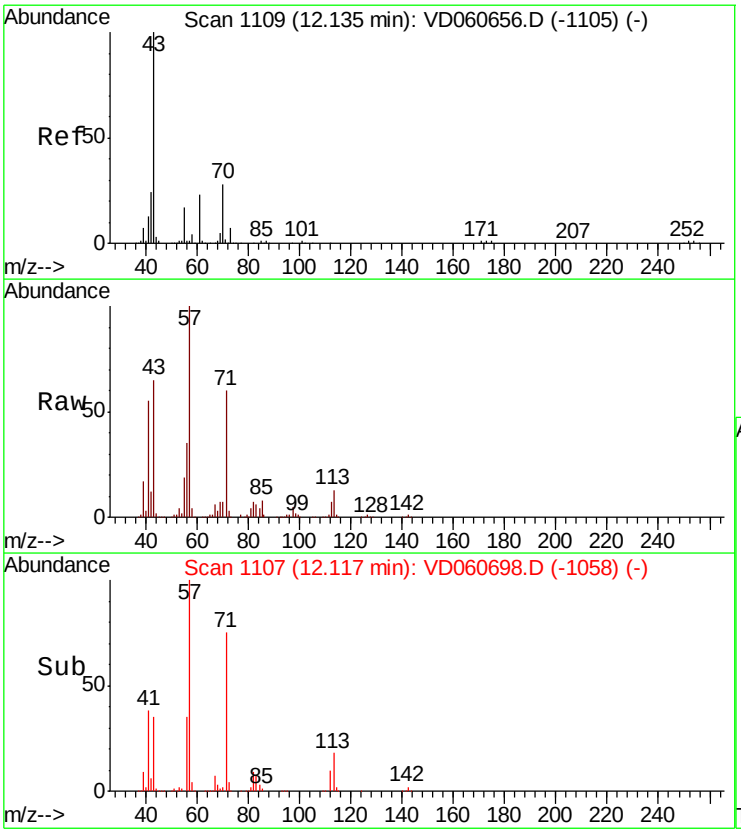
#73
Isopropylbenzene
Concen: 25.692 ug/l
RT: 12.30 min Scan# 1126
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Tgt Ion:105 Resp: 515720

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.2	36.4

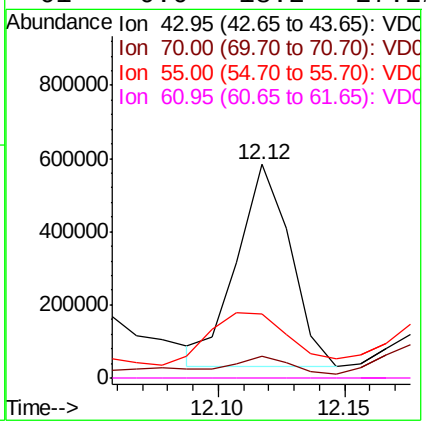


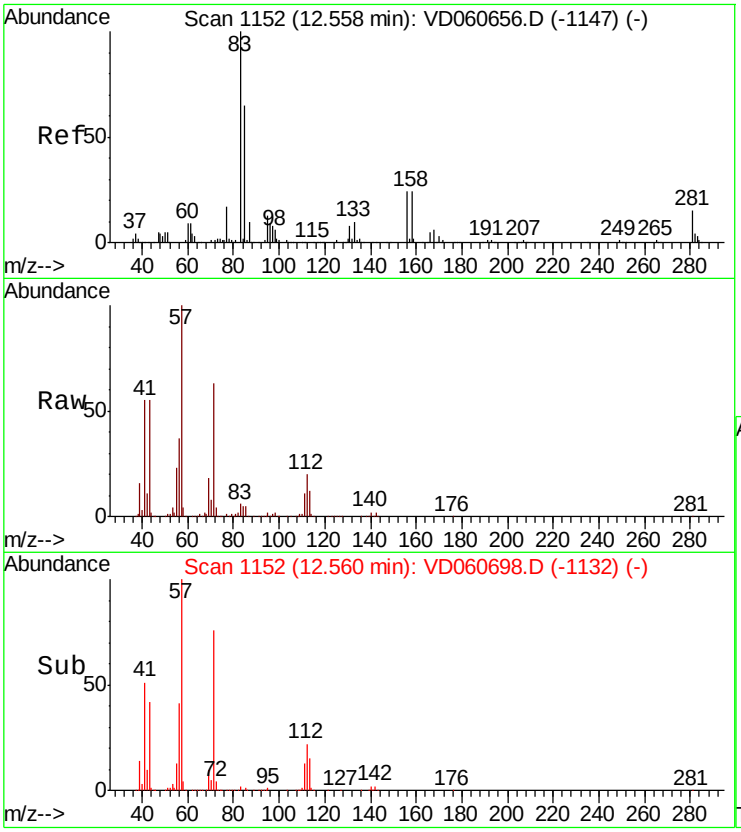


#74
N-amyl acetate
Concen: 171.541 ug/l
RT: 12.12 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 43 Resp: 812662

Ion	Ratio	Lower	Upper
43	100		
70	10.3	22.2	33.2#
55	29.8	13.8	20.8#
61	0.0	18.2	27.2#



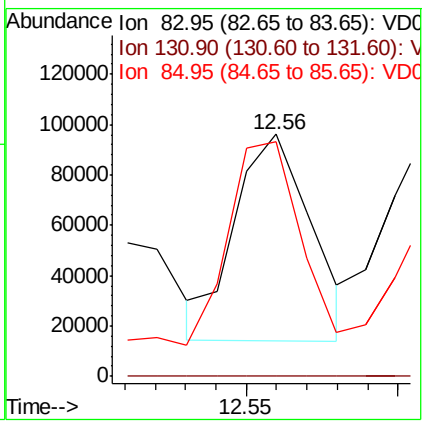


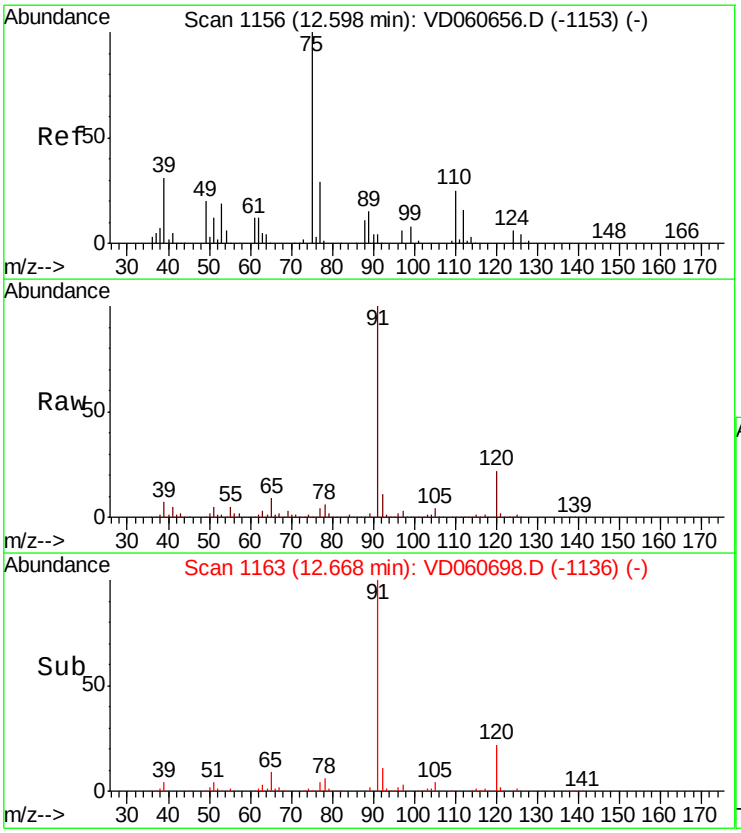
#75
1,1,2,2-Tetrachloroethane
Concen: 43.920 ug/l
RT: 12.56 min Scan# 1152
Delta R.T. 0.00 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1

Tgt Ion: 83 Resp: 142896

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.2	12.4#
85	96.8	32.6	97.7

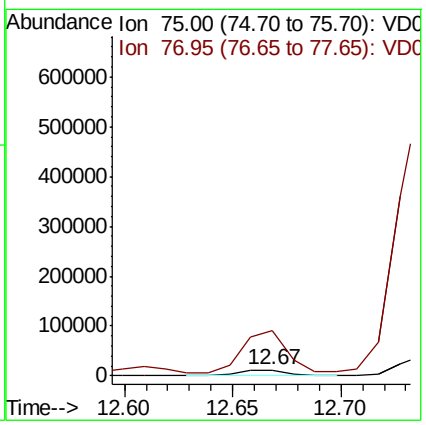


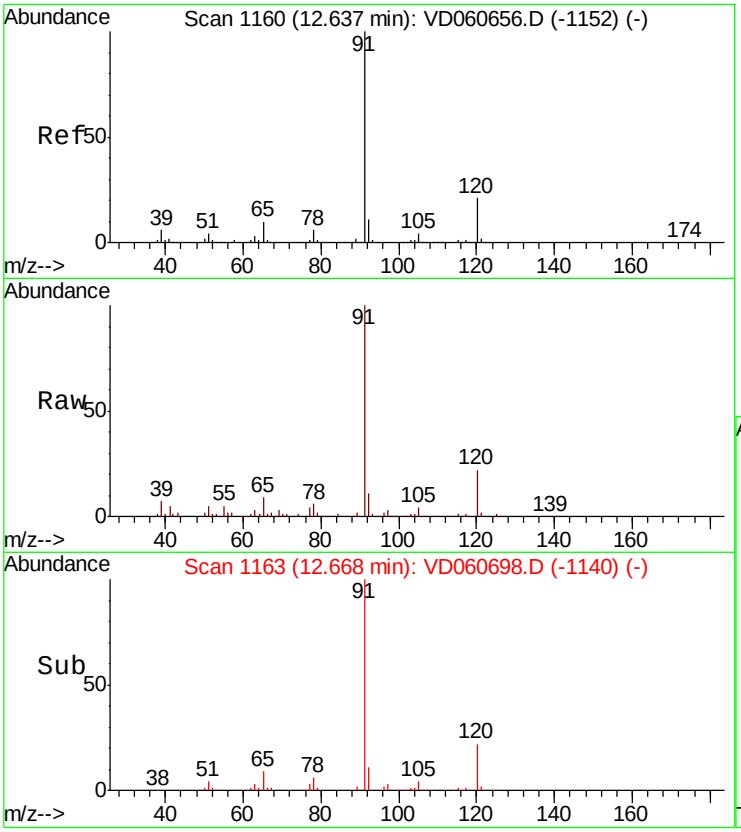


#76
1,2,3-Trichloropropane
Concen: 5.775 ug/l
RT: 12.67 min Scan# 1163
Delta R.T. 0.07 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 75 Resp: 18537

Ion	Ratio	Lower	Upper
75	100		
77	749.8	16.7	50.0#



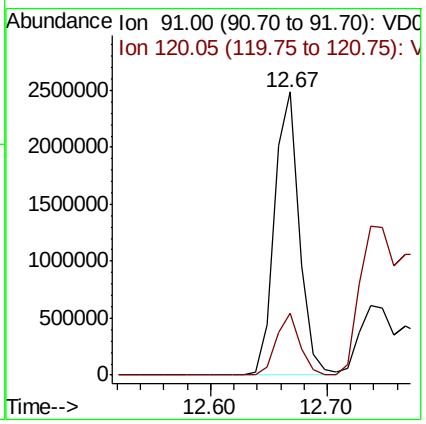


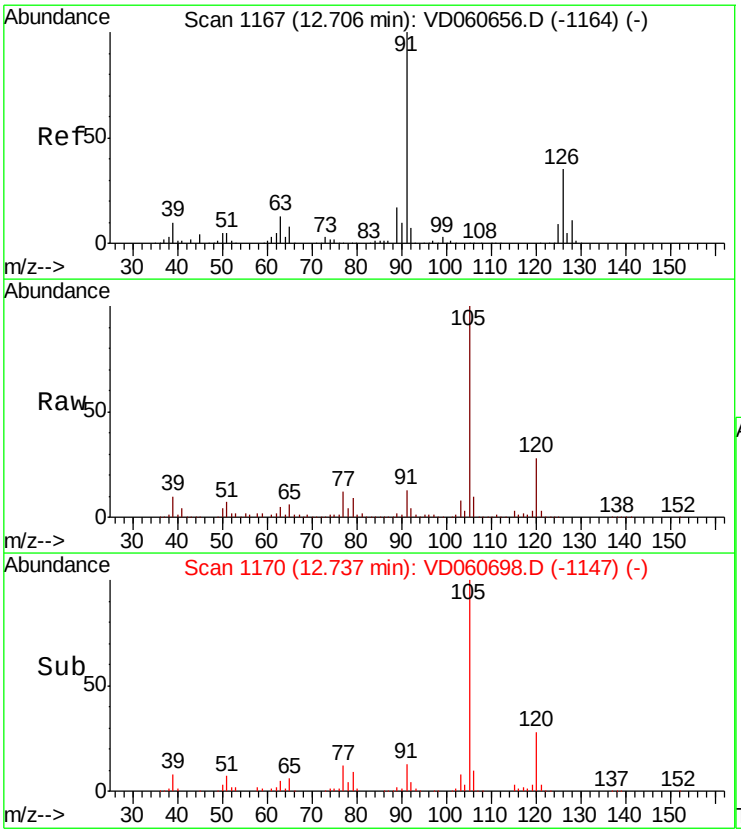
#78
n-propylbenzene
Concen: 141.920 ug/l
RT: 12.67 min Scan# 1163
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Tgt Ion: 91 Resp: 3641936

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.4	31.2

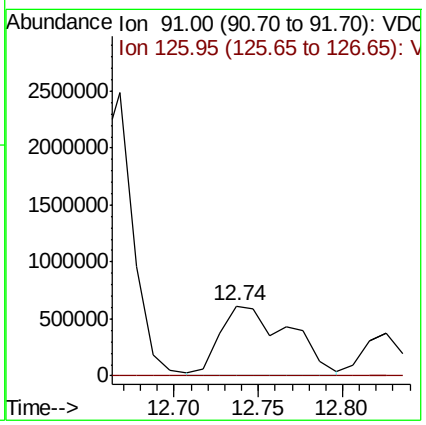


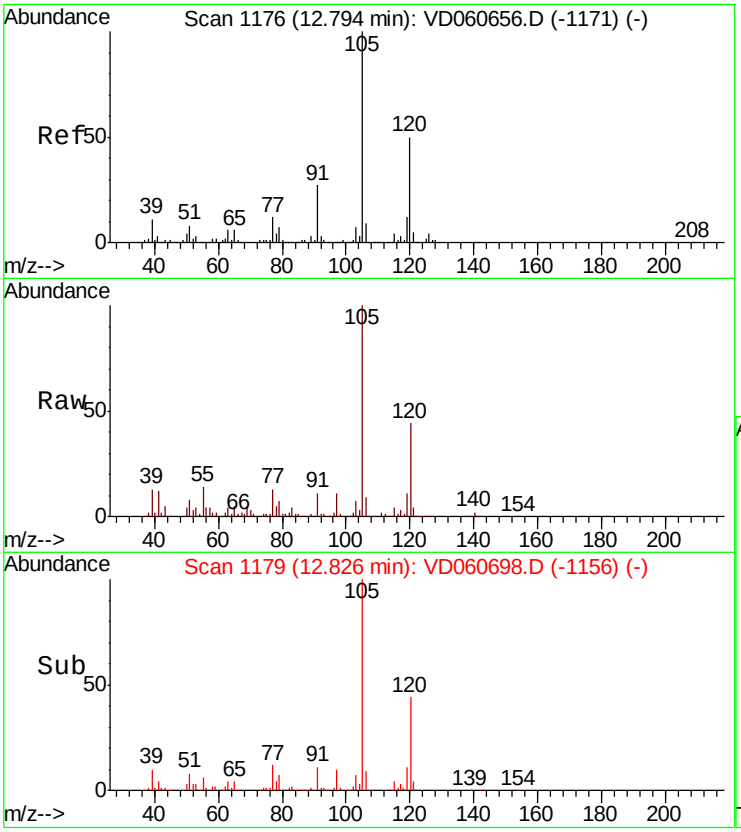


#79
2-Chlorotoluene
Concen: 125.788 ug/l
RT: 12.74 min Scan# 1170
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 91 Resp: 1728922

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.2	51.5#



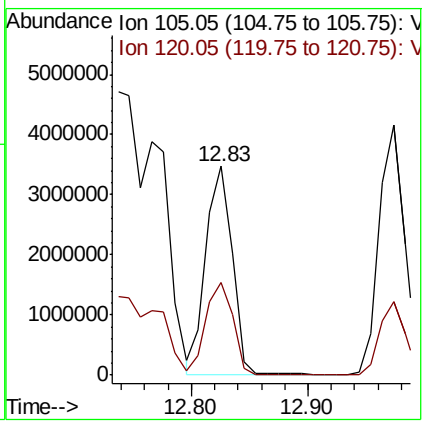


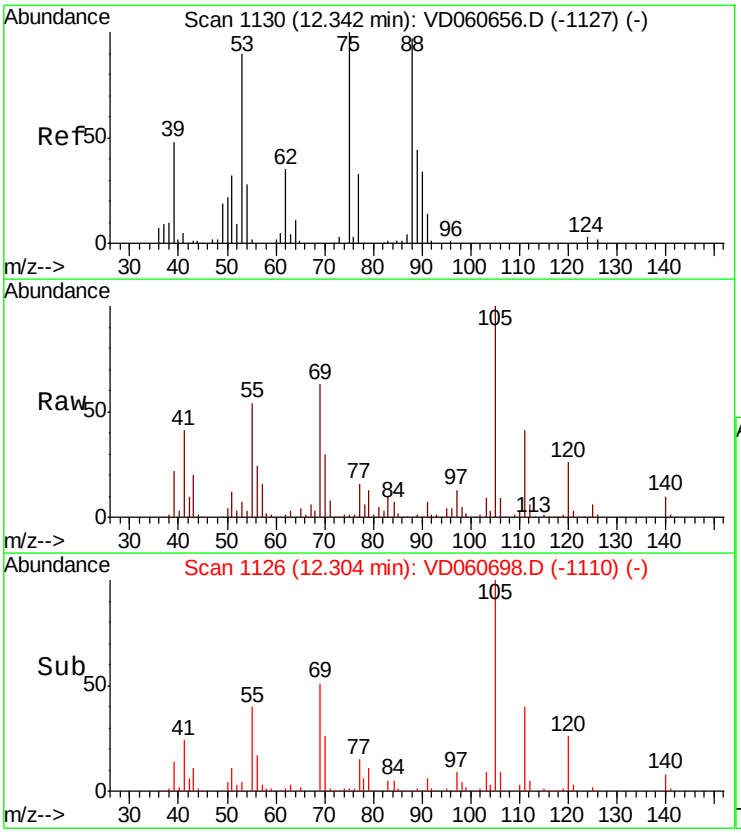
#80
1,3,5-Trimethylbenzene
Concen: 350.699 ug/l
RT: 12.83 min Scan# 1179
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1

Tgt Ion:105 Resp: 5435837

Ion	Ratio	Lower	Upper
105	100		
120	44.1	24.8	74.4

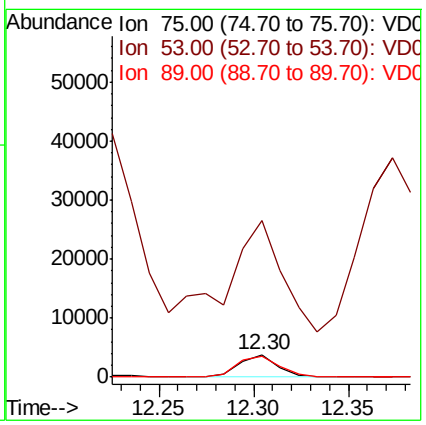


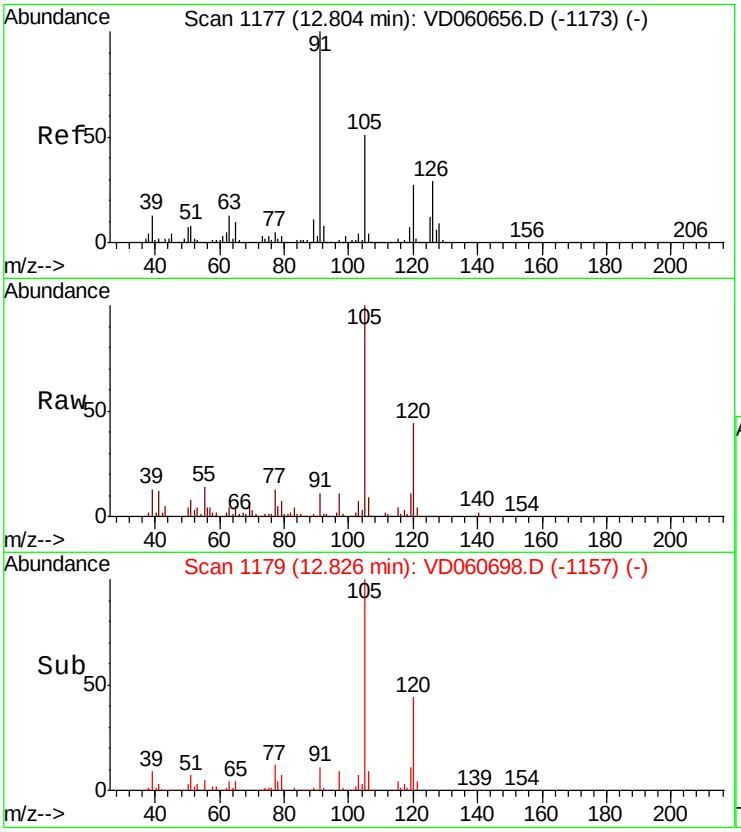


#81
trans-1,4-Dichloro-2-butene
Concen: 5.901 ug/l
RT: 12.30 min Scan# 1126
Delta R.T. -0.04 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 75 Resp: 5234

Ion	Ratio	Lower	Upper
75	100		
53	701.1	72.1	108.1#
89	95.9	35.1	52.7#



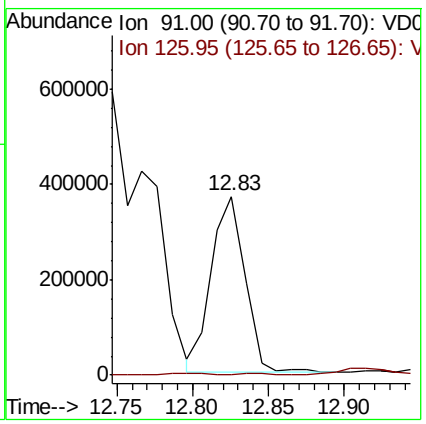


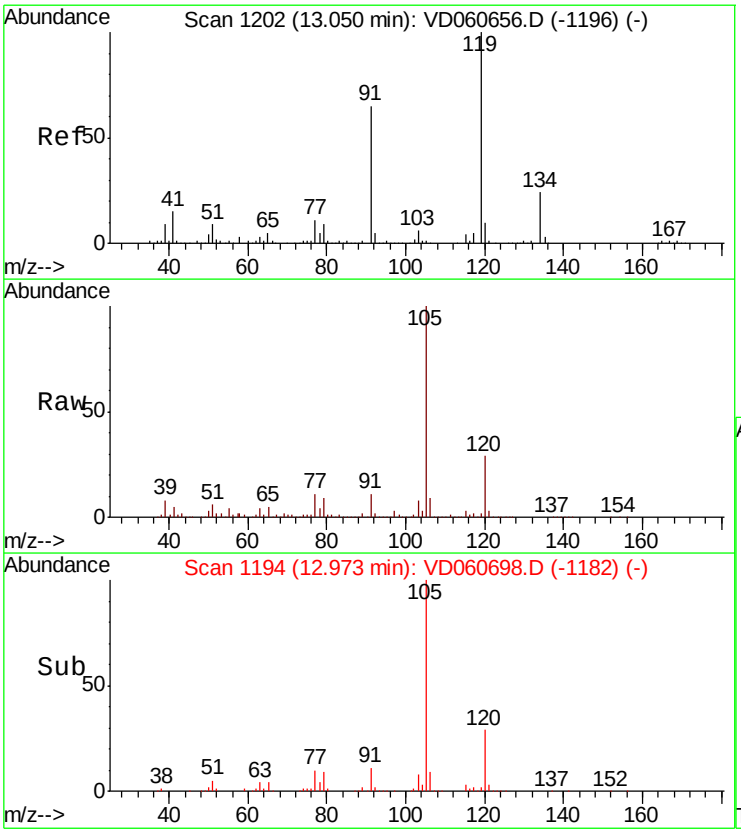
#82
4-Chlorotoluene
Concen: 36.558 ug/l
RT: 12.83 min Scan# 1179
Delta R.T. 0.02 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Tgt Ion: 91 Resp: 569538

Ion	Ratio	Lower	Upper
91	100		
126	0.5	14.6	43.8#

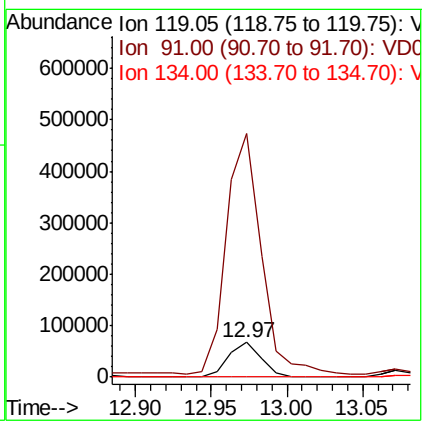


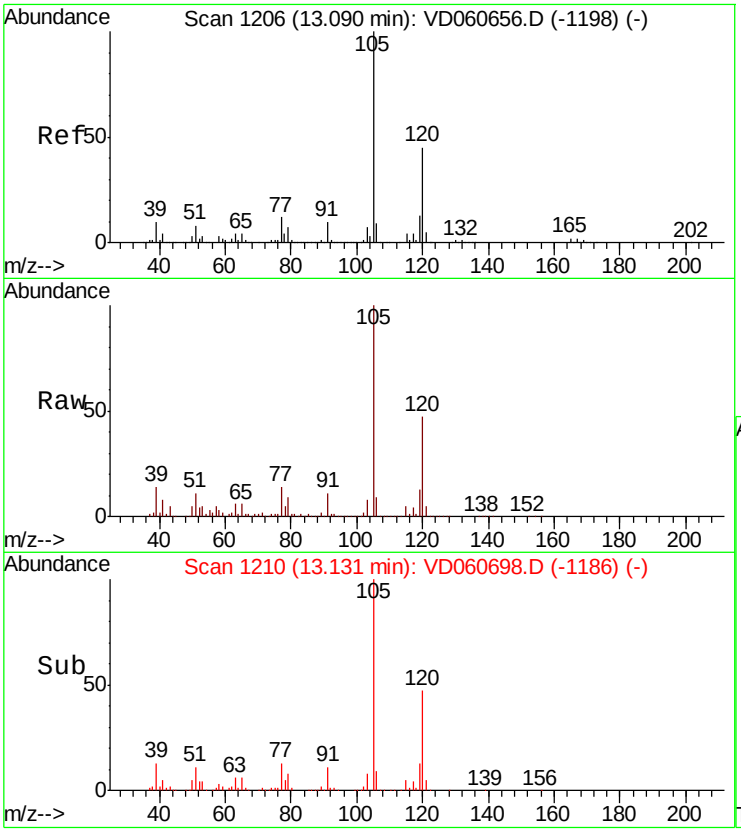


#83
tert-Butylbenzene
Concen: 5.757 ug/l
RT: 12.97 min Scan# 1194
Delta R.T. -0.08 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion:119 Resp: 101561

Ion	Ratio	Lower	Upper
119	100		
91	699.9	32.5	97.4#
134	0.0	11.9	35.9#



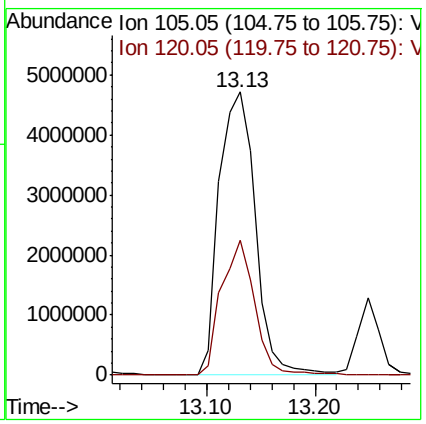


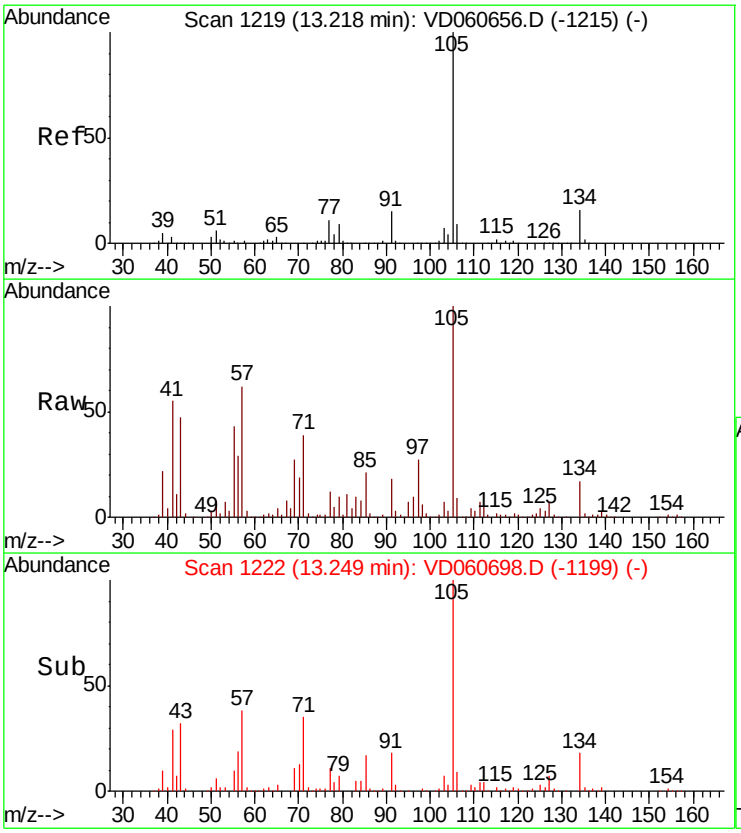
#84
1,2,4-Trimethylbenzene
Concen: 682.845 ug/l
RT: 13.13 min Scan# 1210
Delta R.T. 0.04 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1

Tgt Ion:105 Resp:10900925

Ion	Ratio	Lower	Upper
105	100		
120	47.4	22.4	67.0

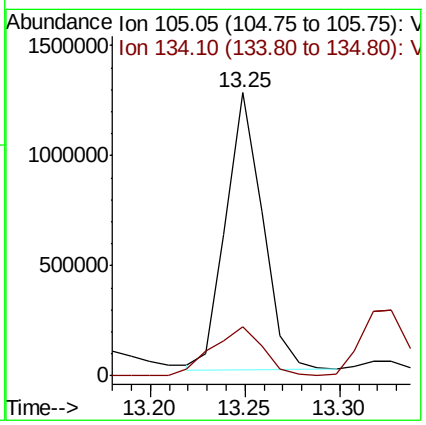


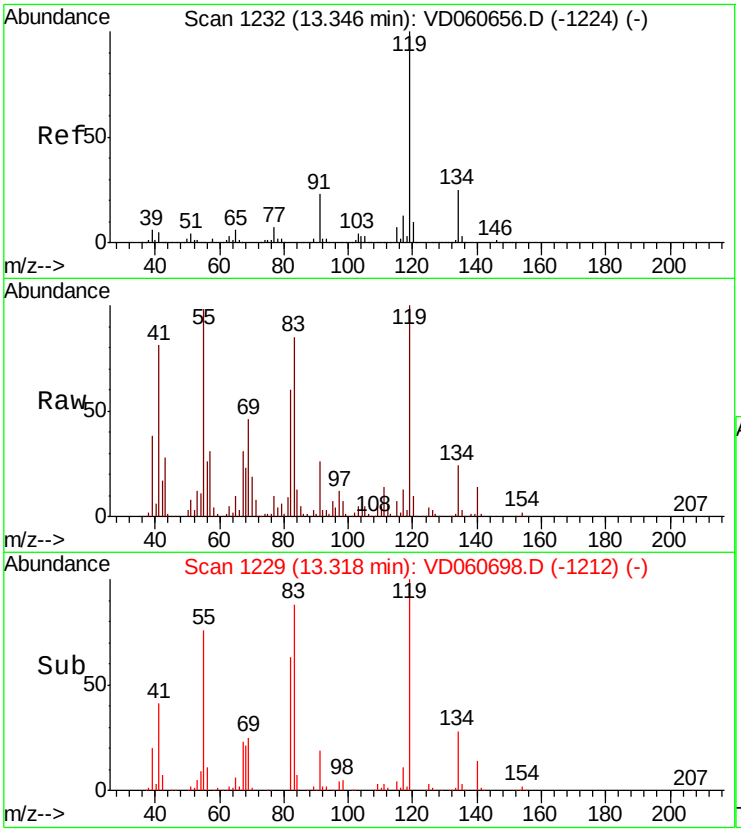


#85
sec-Butylbenzene
Concen: 78.392 ug/l
RT: 13.25 min Scan# 1222
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion:105 Resp: 1686413

Ion	Ratio	Lower	Upper
105	100		
134	17.5	8.2	24.4



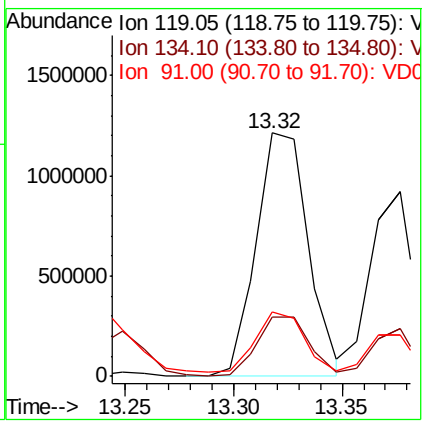


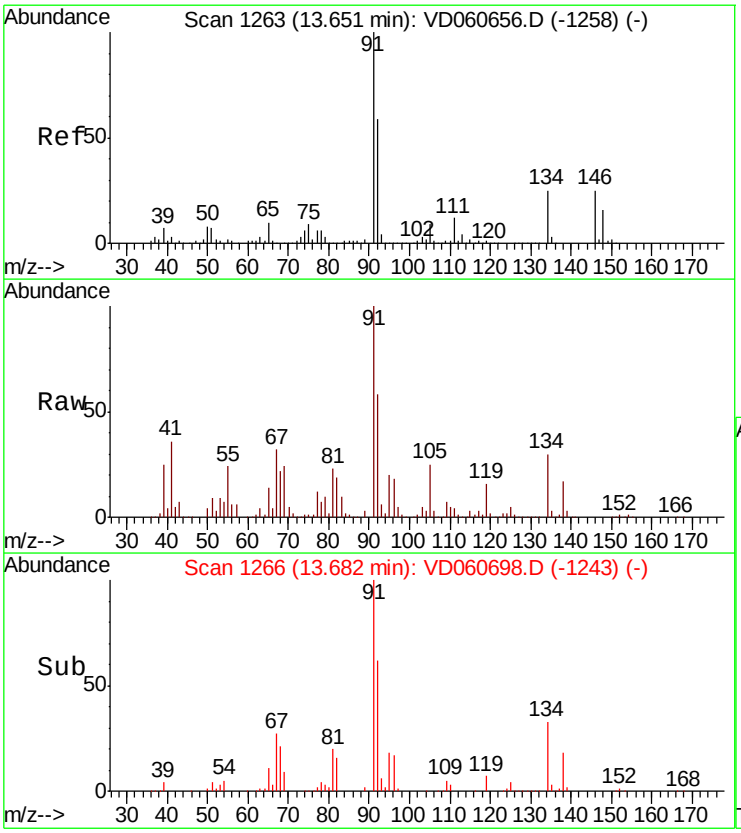
#86
p-Isopropyltoluene
Concen: 115.921 ug/l
RT: 13.32 min Scan# 1229
Delta R.T. -0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1

Tgt Ion:119 Resp: 2013002

Ion	Ratio	Lower	Upper
119	100		
134	24.1	12.5	37.5
91	26.4	11.4	34.2

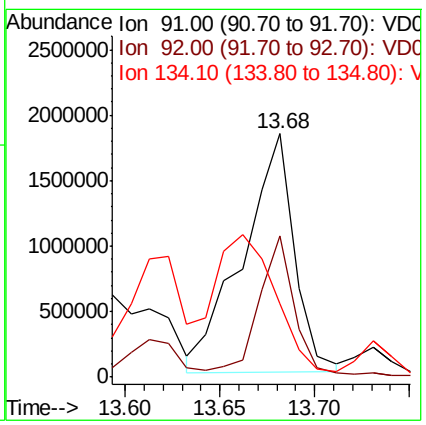


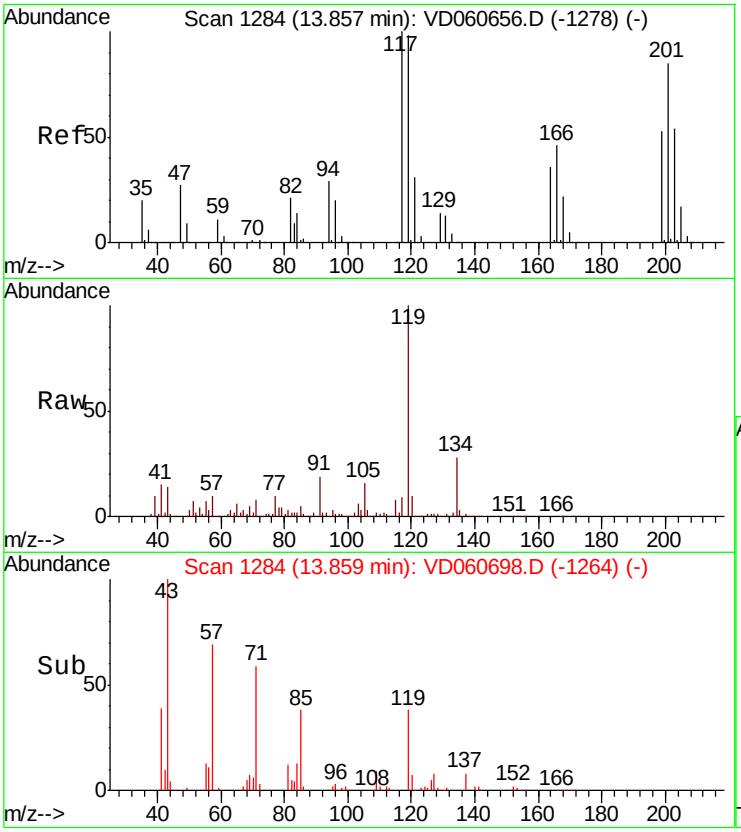


#89
n-Butylbenzene
Concen: 192.365 ug/l
RT: 13.68 min Scan# 1266
Delta R.T. 0.03 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 91 Resp: 3413612

Ion	Ratio	Lower	Upper
91	100		
92	57.8	29.7	89.1
134	29.9	12.7	38.1



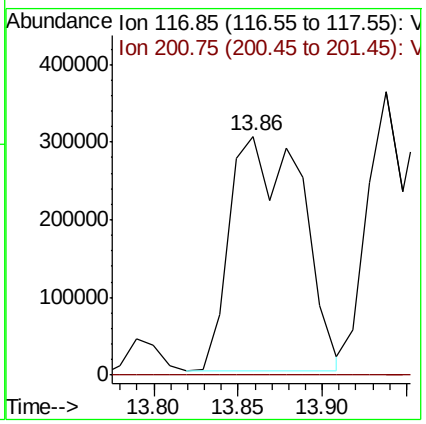


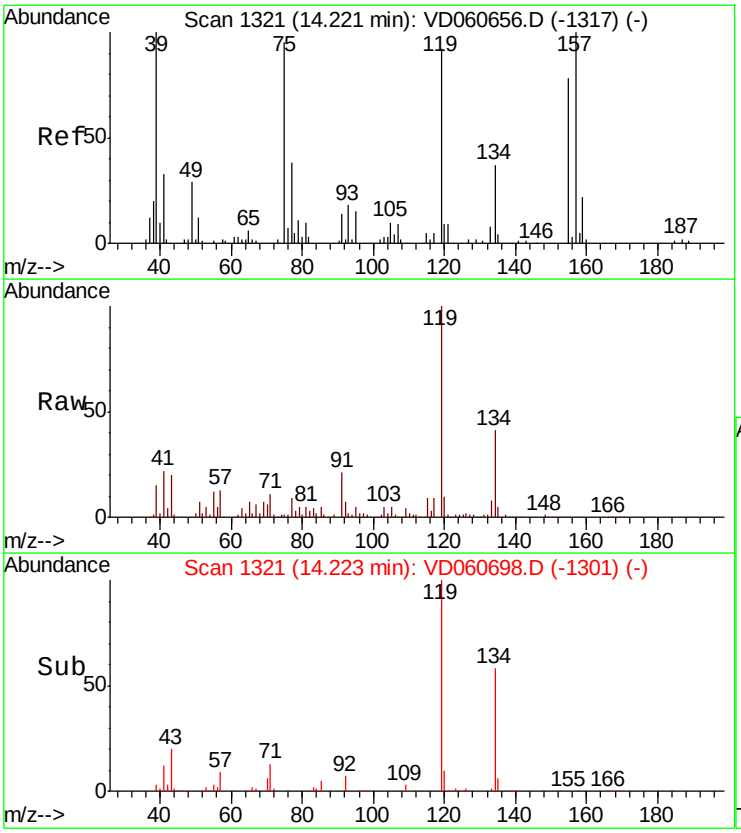
#90
Hexachloroethane
Concen: 208.376 ug/l
RT: 13.86 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument : MSVOA_D
ClientSampleId : DRUM-1

Tgt Ion:117 Resp: 888938

Ion	Ratio	Lower	Upper
117	100		
201	0.0	42.6	127.8#

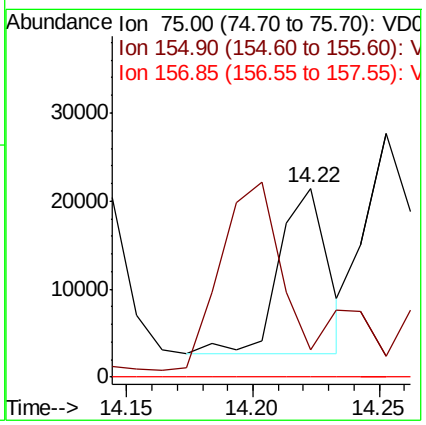


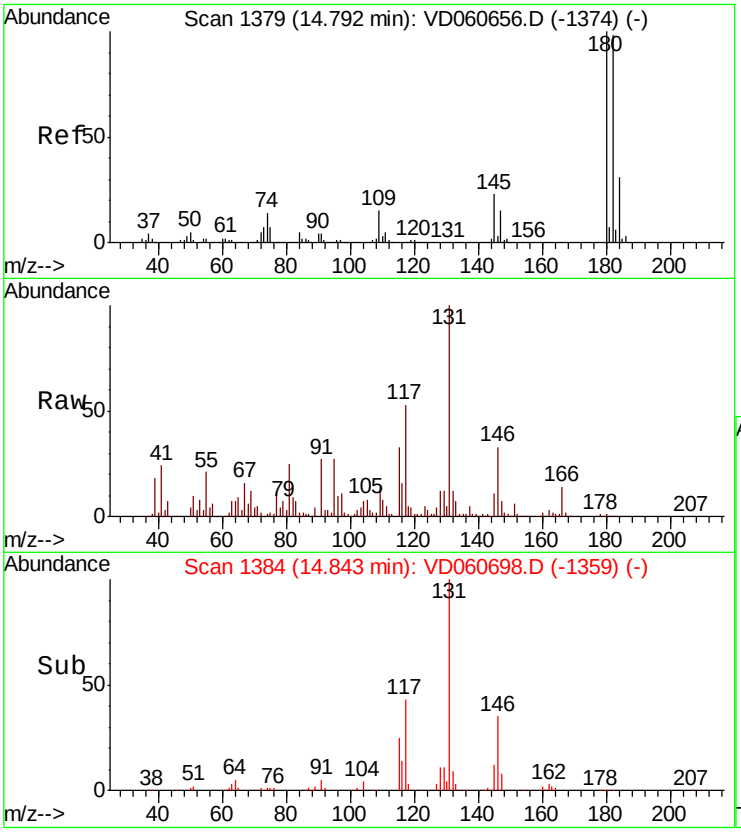


#92
1,2-Dibromo-3-Chloropropane
Concen: 66.263 ug/l
RT: 14.22 min Scan# 1321
Delta R.T. 0.00 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion: 75 Resp: 25328

Ion	Ratio	Lower	Upper
75	100		
155	14.6	41.1	123.4#
157	0.0	52.5	157.6#



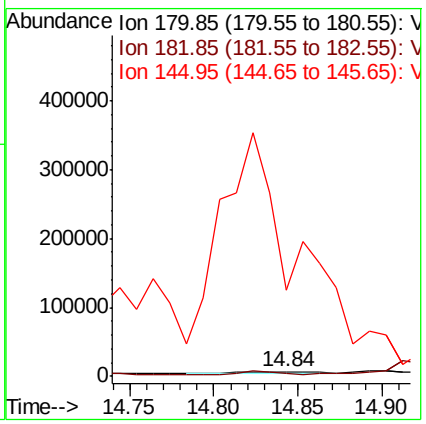


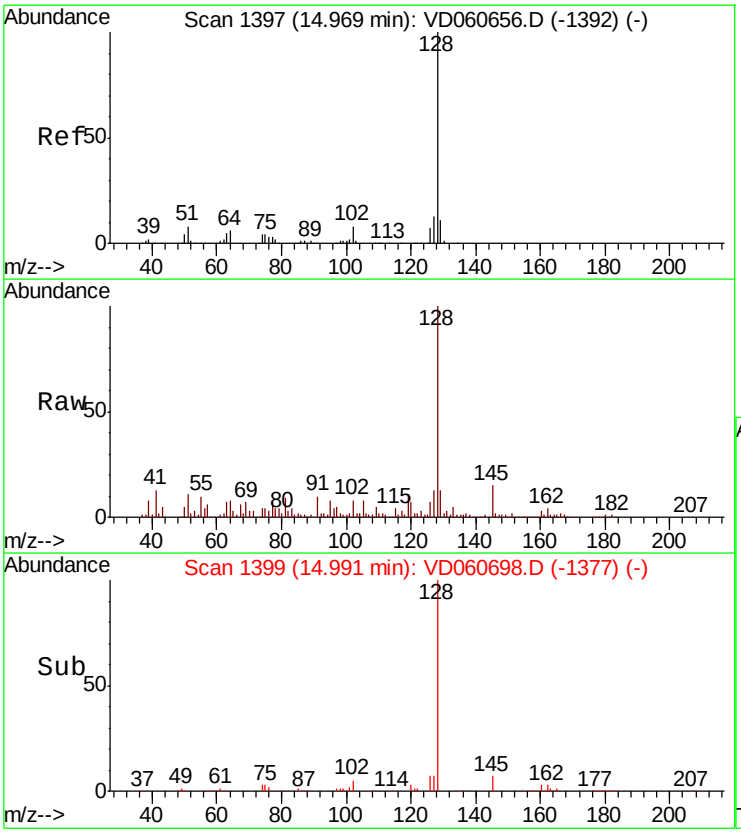
#93
1,2,4-Trichlorobenzene
Concen: 1.704 ug/l
RT: 14.84 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1

Tgt Ion:180 Resp: 10582

Ion	Ratio	Lower	Upper
180	100		
182	74.2	48.8	146.4
145	1898.4	11.8	35.3#

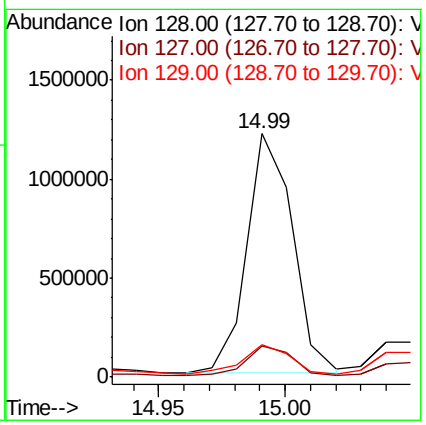


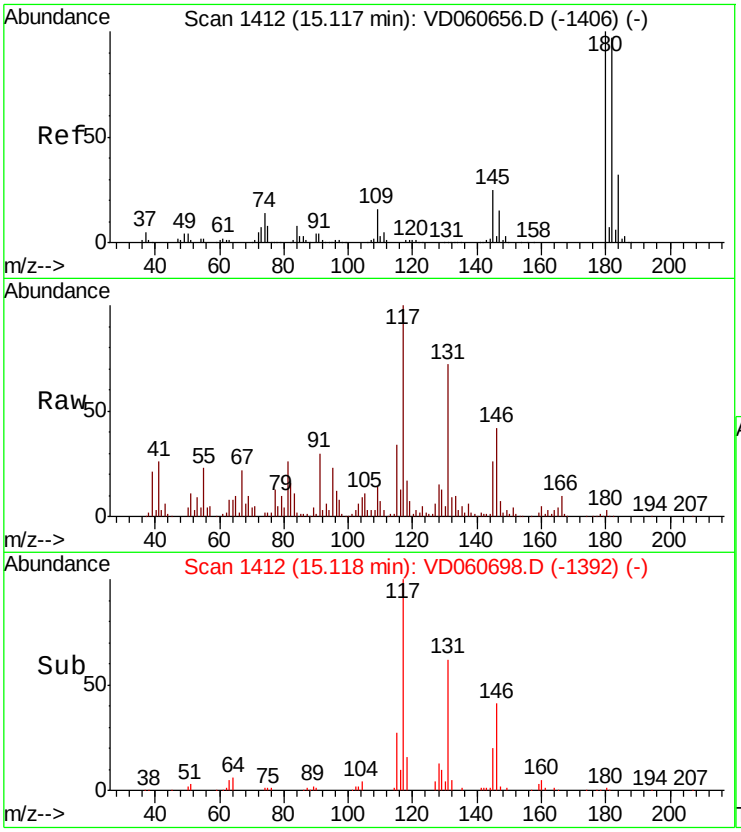


#95
Naphthalene
Concen: 207.618 ug/l
RT: 14.99 min Scan# 1399
Delta R.T. 0.02 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Tgt Ion:128 Resp: 1532305

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	13.3	8.6	13.0#





#96
1,2,3-Trichlorobenzene
Concen: 1.570 ug/l
RT: 15.12 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD060698.D
Acq: 21 Dec 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1

Tgt Ion:180 Resp: 7622

Ion	Ratio	Lower	Upper
180	100		
182	9.8	48.6	145.9#
145	1034.6	12.6	37.8#