Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061518\
Data File : VD058160.D
Acq On : 15 Jun 2018 19:00
Operator : VA/AP
Sample : J3523-07RE
Misc : 5.13g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId :

Quant Time: Jun 15 23:18:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	23090	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	33790	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	29967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	14486	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	26126	113.18	ug/l	0.00
Spiked Amount 50.000			Recovery = 226.36%			
35) Dibromofluoromethane	5.55	113	17221	65.87	ug/l	-0.01
Spiked Amount 50.000			Recovery = 131.74%			
50) Toluene-d8	8.71	98	42432	68.27	ug/l	0.00
Spiked Amount 50.000			Recovery = 136.54%			
62) 4-Bromofluorobenzene	11.93	95	18219	67.19	ug/l	0.00
Spiked Amount 50.000			Recovery = 134.38%			
Target Compounds						Qvalue
5) Bromomethane	1.76	94	180	3.109	ug/l #	3
9) 1,1,2-Trichlorotrifluoroet	2.65	101	195	1.619	ug/l #	20
13) Acrolein	2.46	56	179	20.212	ug/l #	16
14) Allyl chloride	2.91	41	442	2.069	ug/l #	70
15) Acrylonitrile	3.40	53	181	5.003	ug/l #	15
16) Acetone	2.60	43	17596	529.073	ug/l	95
17) Carbon Disulfide	2.76	76	1497	4.462	ug/l #	76
18) Methyl Acetate	2.95	43	1407	21.869	ug/l #	66
25) 2-Butanone	4.85	43	3764	49.799	ug/l #	64
36) 1,1-Dichloropropene	5.64	75	1744	4.685	ug/l #	45
37) Ethyl Acetate	4.85	43	3764	18.530	ug/l #	72
38) Carbon Tetrachloride	5.64	117	1210	3.298	ug/l #	12
40) Benzene	6.01	78	17754	20.415	ug/l	97
43) Isopropyl Acetate	7.27	43	666	2.503	ug/l #	50
48) Methyl methacrylate	7.35	41	182	1.111	ug/l #	20
51) 4-Methyl-2-Pentanone	8.60	43	259	1.518	ug/l #	42
52) Toluene	8.80	92	2342	4.692	ug/l #	61
59) 2-Hexanone	9.77	43	196	1.567	ug/l #	31
67) Ethyl Benzene	10.85	91	1494	1.363	ug/l #	48
68) m/p-Xylenes	11.00	106	1165	3.261	ug/l #	64
69) o-Xylene	11.41	106	735	2.072	ug/l	71
81) trans-1,4-Dichloro-2-buten	11.93	75	9132	169.436	ug/l #	6
82) 4-Chlorotoluene	12.33	91	402	Below Cal #		50
84) 1,2,4-Trimethylbenzene	12.63	105	2933	3.646	ug/l	90
85) sec-Butylbenzene	12.63	105	2933	2.876	ug/l #	61
86) p-Isopropyltoluene	12.89	119	1085	1.320	ug/l #	49
89) n-Butylbenzene	13.20	91	207	Below Cal #		30
93) 1,2,4-Trichlorobenzene	14.34	180	437	1.205	ug/l #	69
95) Naphthalene	14.52	128	59398	127.007	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	425	1.375	ug/l #	1

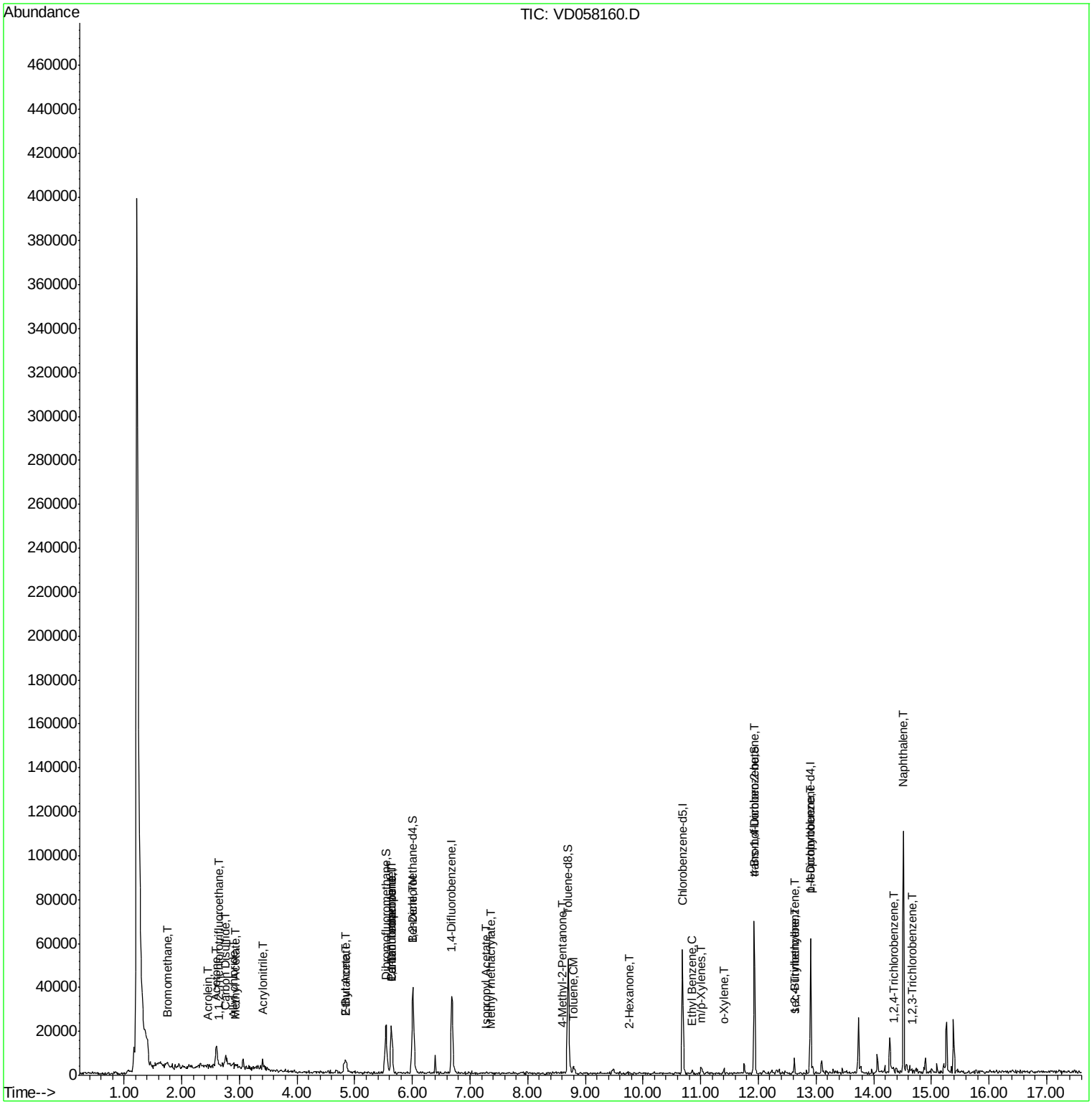
(#) = qualifier out of range (m) = manual integration (+) = signals summed

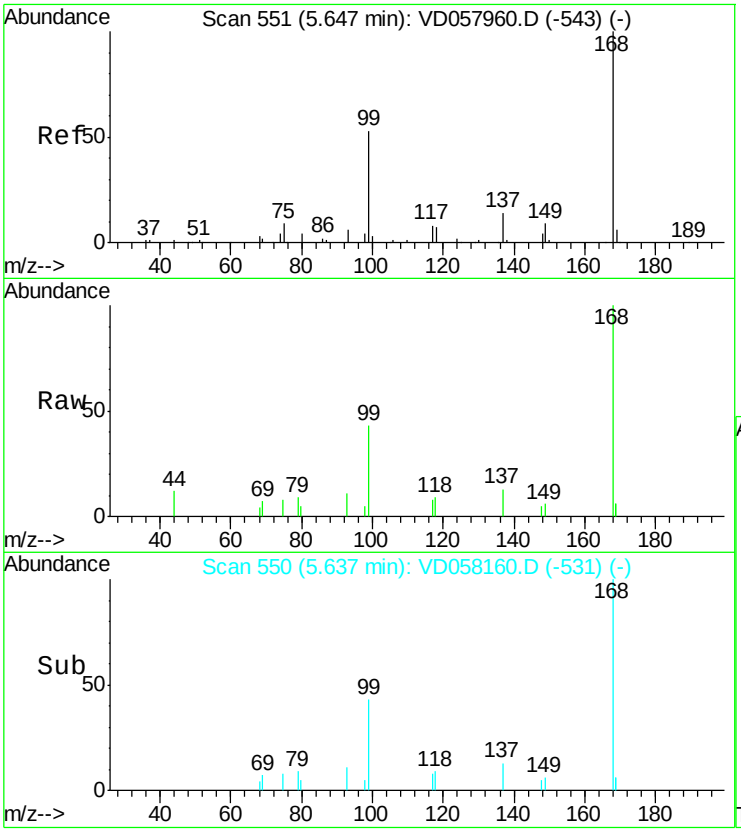
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
Data File : VD058160.D
Acq On : 15 Jun 2018 19:00
Operator : VA/AP
Sample : J3523-07RE
Misc : 5.13g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 15 23:18:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration



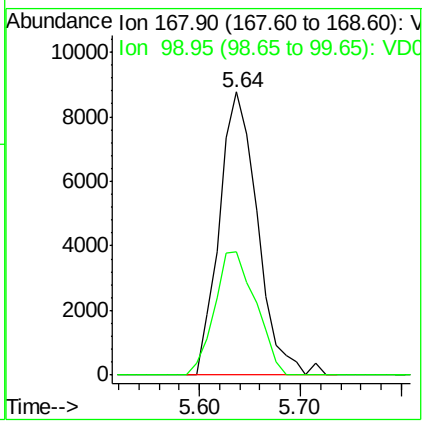


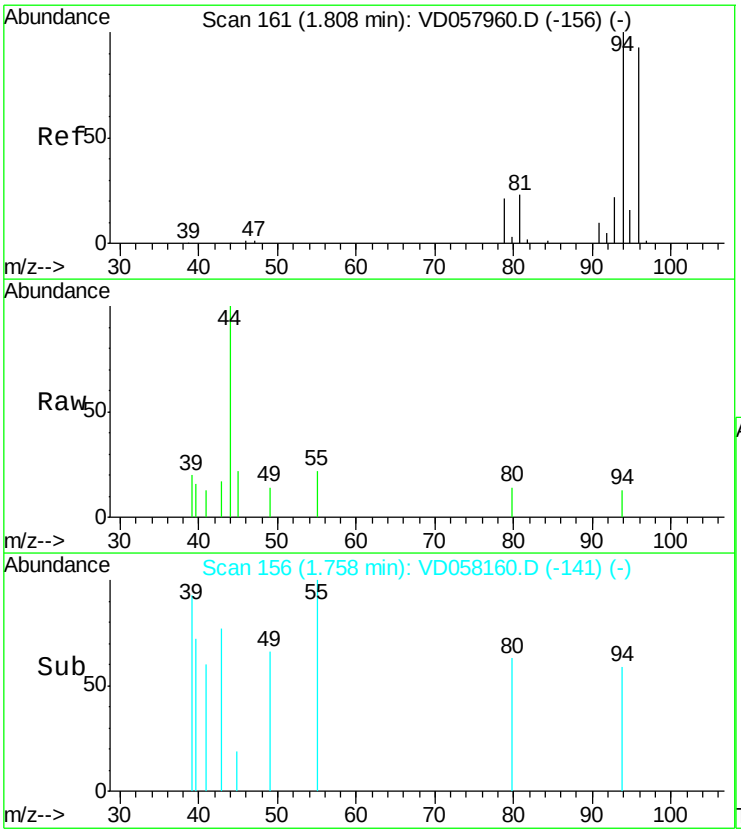
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 23090

Ion	Ratio	Lower	Upper
168	100		
99	43.4	46.8	70.2#

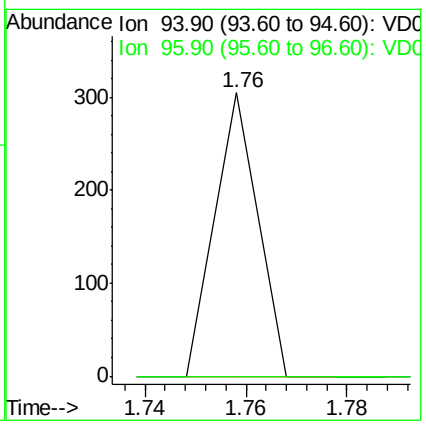


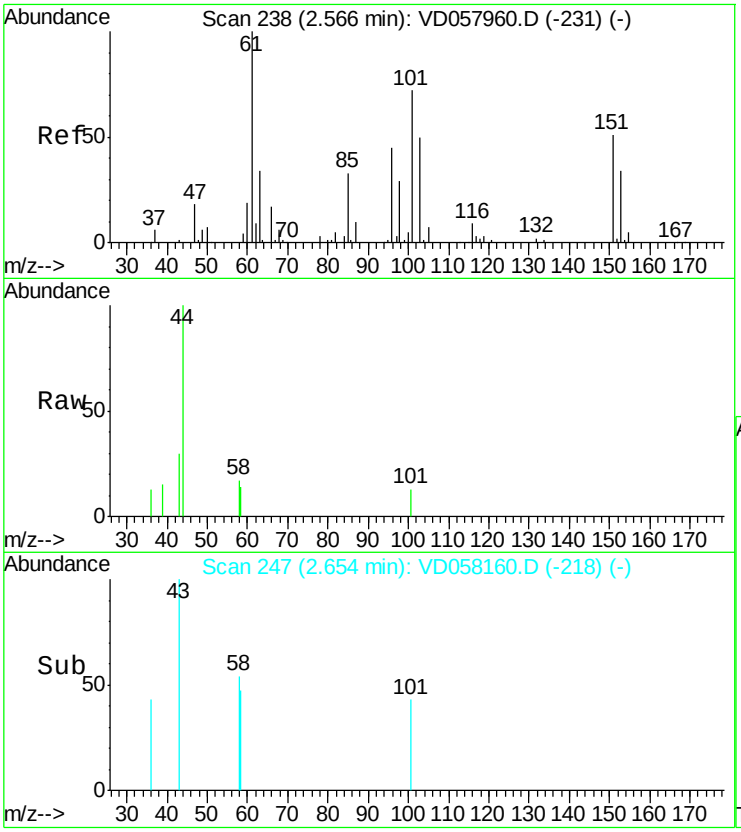


#5
Bromomethane
Concen: 3.109 ug/l
RT: 1.76 min Scan# 156
Delta R.T. -0.05 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 94 Resp: 180

Ion	Ratio	Lower	Upper
94	100		
96	0.0	74.3	111.5#



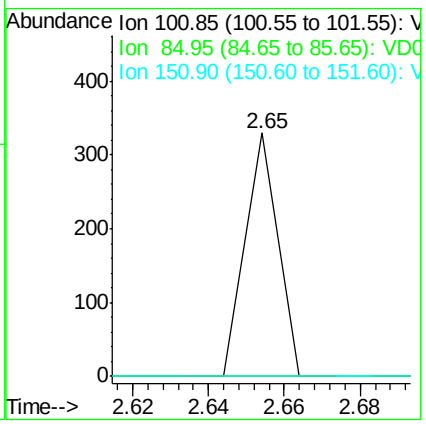


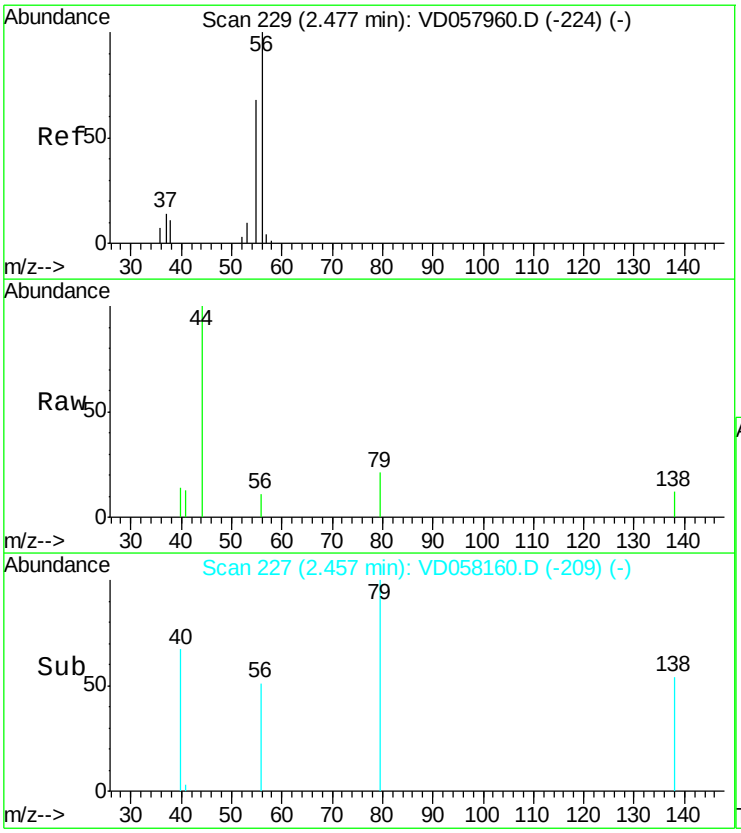
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.619 ug/l
RT: 2.65 min Scan# 247
Delta R.T. 0.09 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:101 Resp: 195

Ion	Ratio	Lower	Upper
101	100		
85	0.0	37.3	55.9#
151	0.0	57.0	85.6#

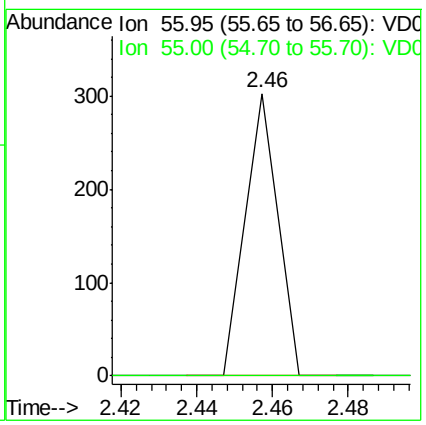


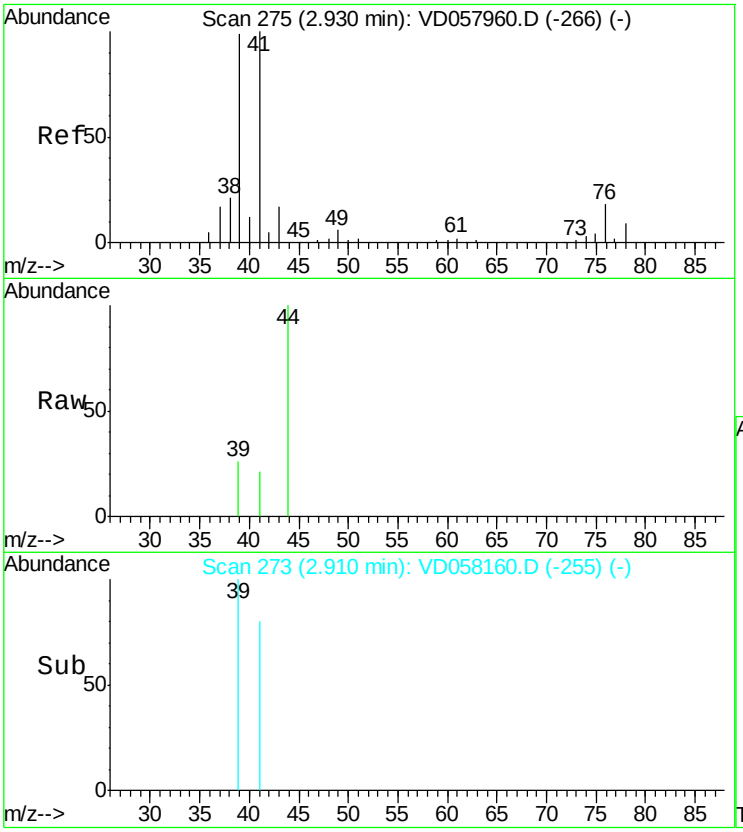


#13
Acrolein
Concen: 20.212 ug/l
RT: 2.46 min Scan# 227
Delta R.T. -0.02 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 56 Resp: 179

Ion	Ratio	Lower	Upper
56	100		
55	0.0	54.0	81.0#



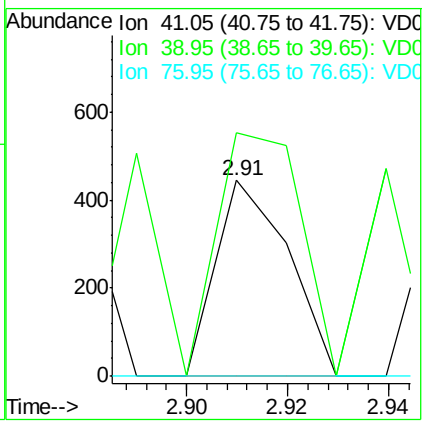


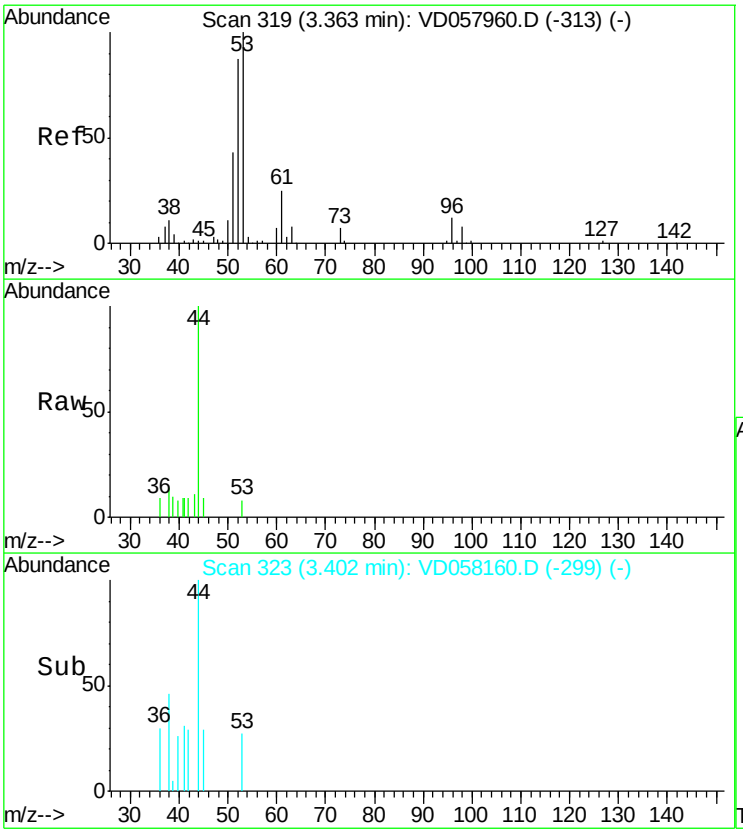
#14
Allyl chloride
Concen: 2.069 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.02 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 41 Resp: 442

Ion	Ratio	Lower	Upper
41	100		
39	124.3	79.5	119.3#
76	0.0	20.7	31.1#

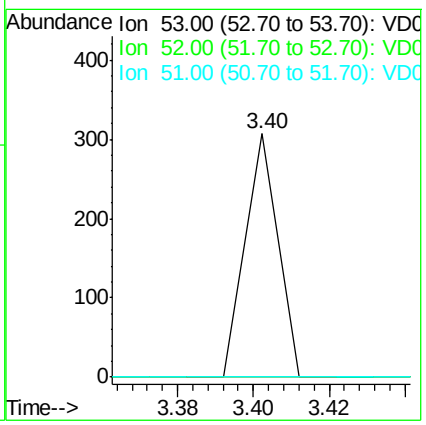


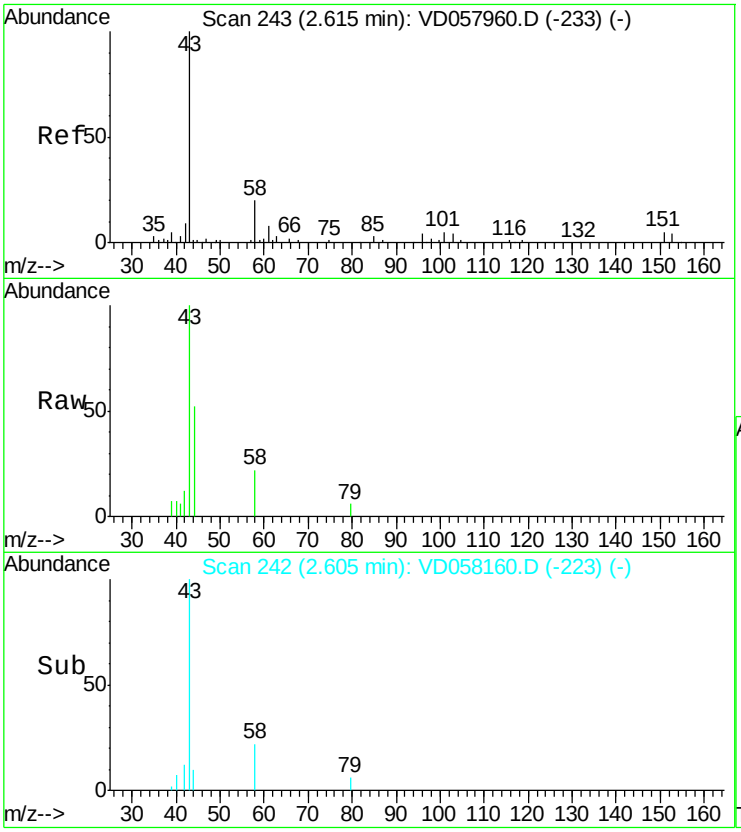


#15
Acrylonitrile
Concen: 5.003 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.04 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 53 Resp: 181

Ion	Ratio	Lower	Upper
53	100		
52	0.0	69.9	104.9#
51	0.0	34.3	51.5#



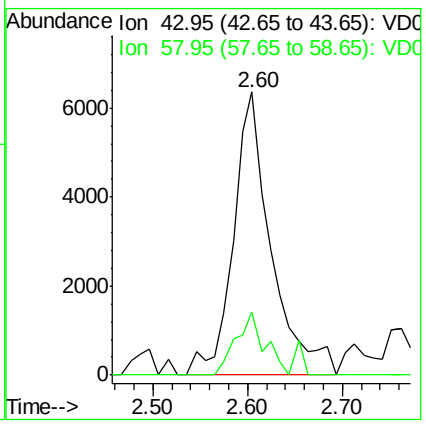


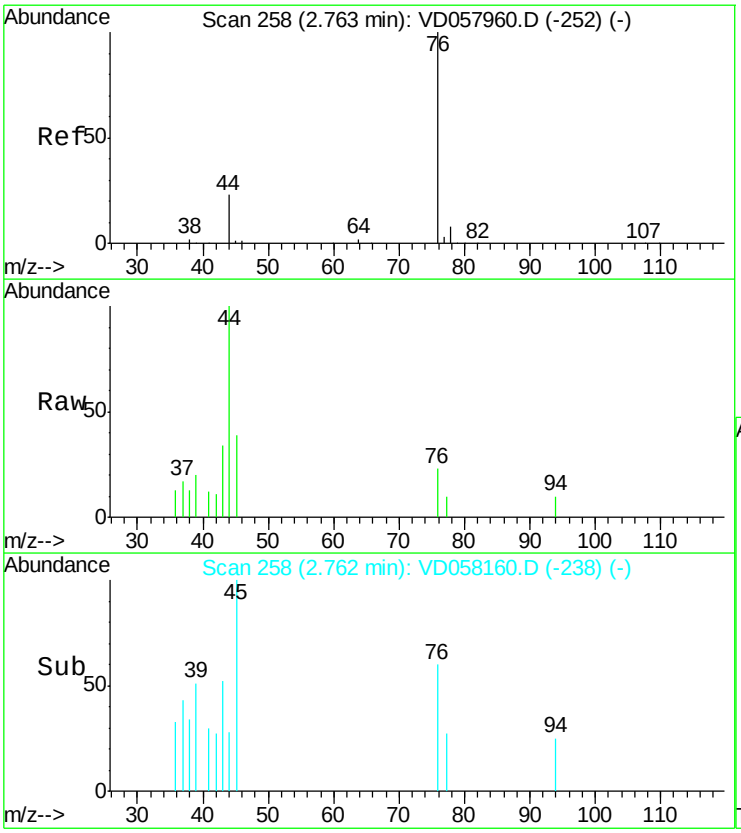
#16
Acetone
Concen: 529.073 ug/l
RT: 2.60 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	22.2	15.8	23.8

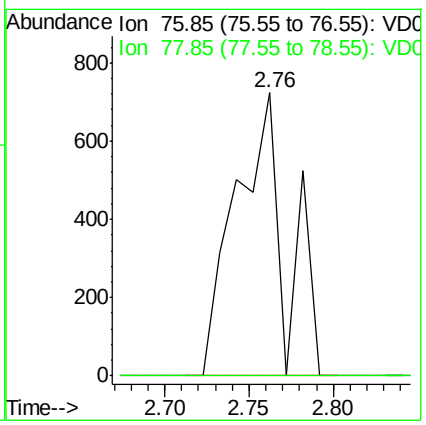


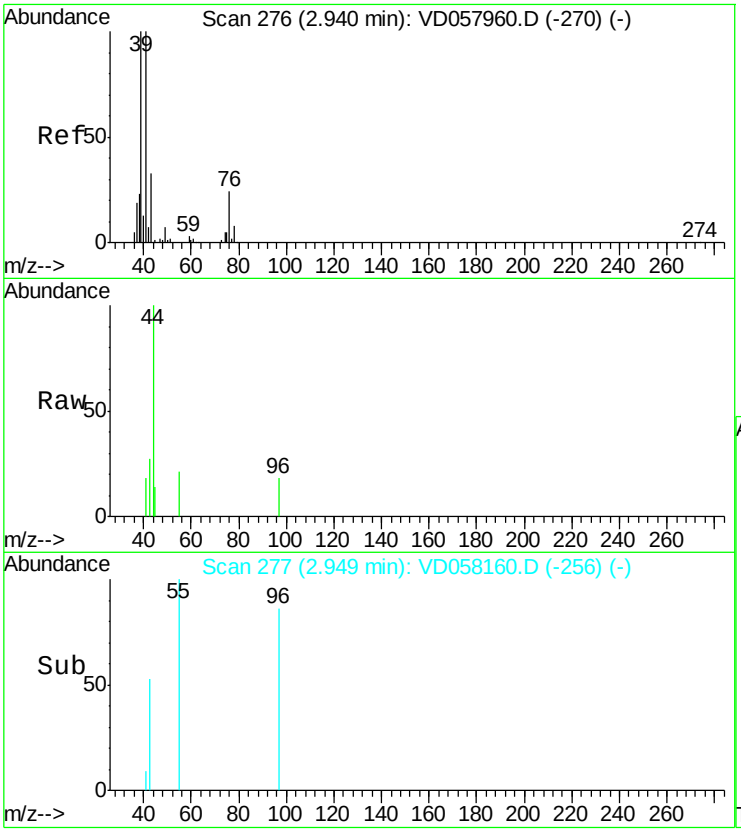


#17
Carbon Disulfide
Concen: 4.462 ug/l
RT: 2.76 min Scan# 258
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 76 Resp: 1497

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.7	10.1#



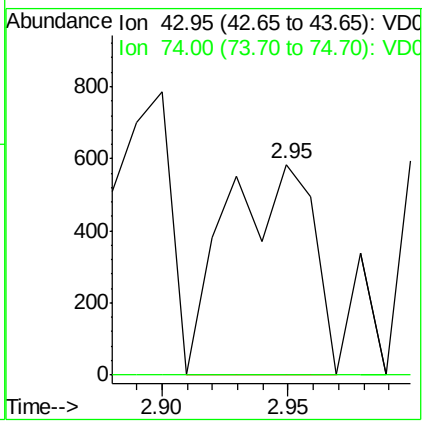


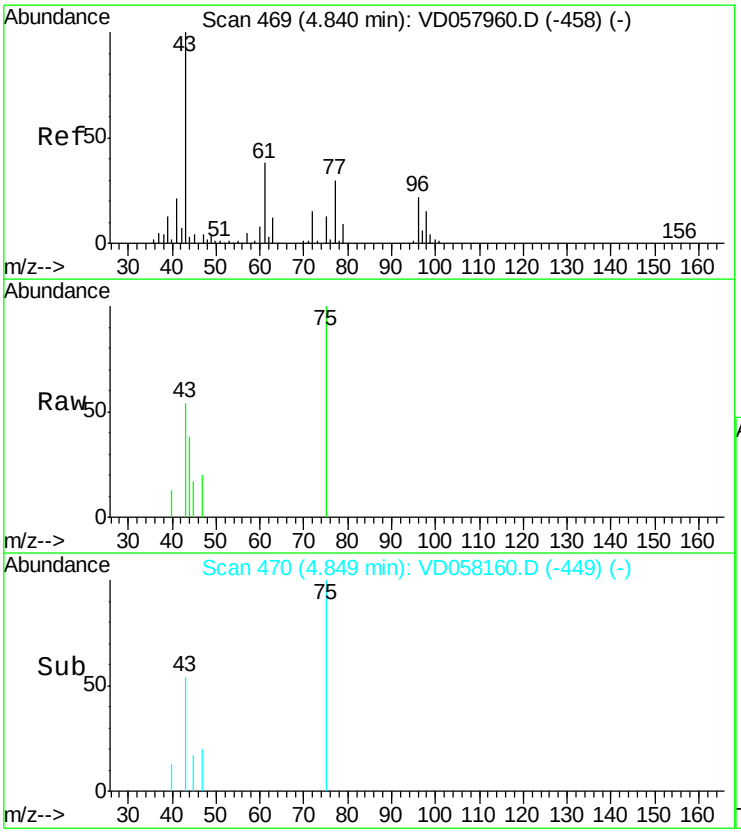
#18
Methyl Acetate
Concen: 21.869 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 1407

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.2	16.8#

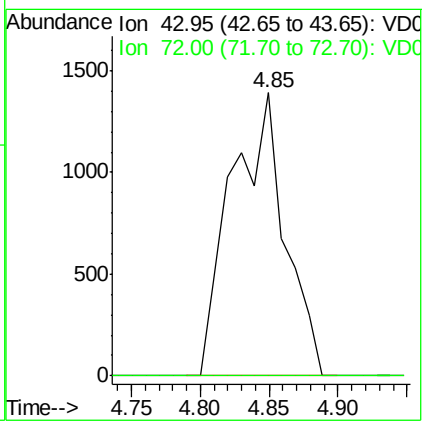


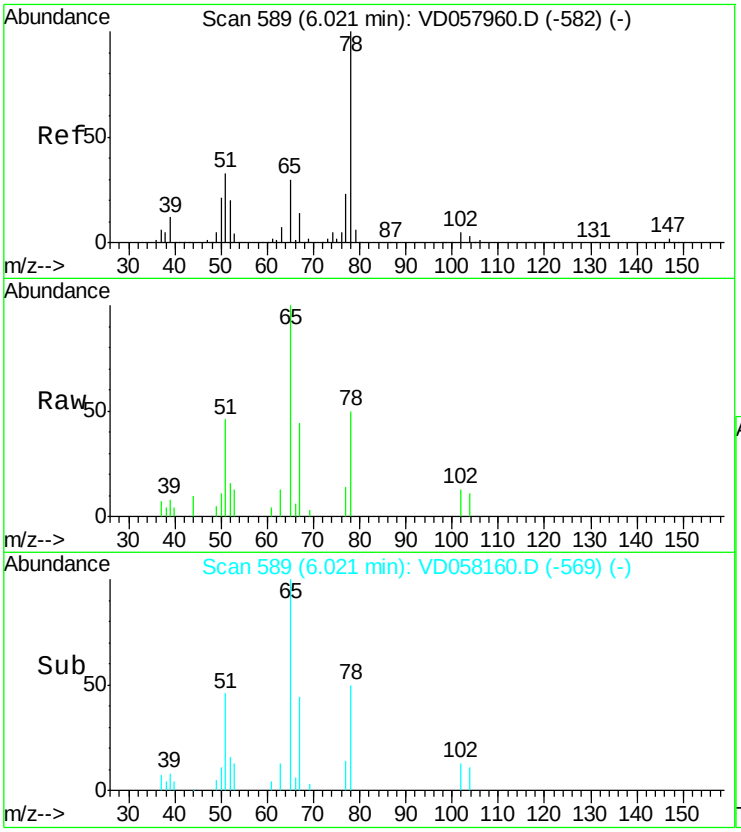


#25
2-Butanone
Concen: 49.799 ug/l
RT: 4.85 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 43 Resp: 3764

Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.0	18.0#



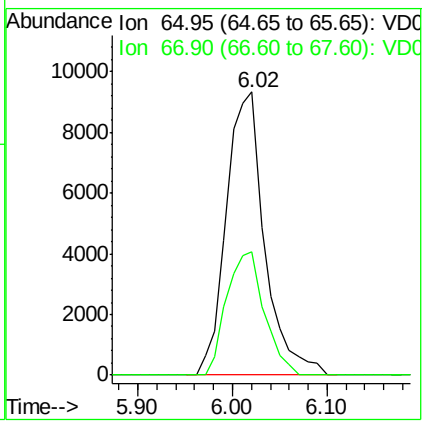


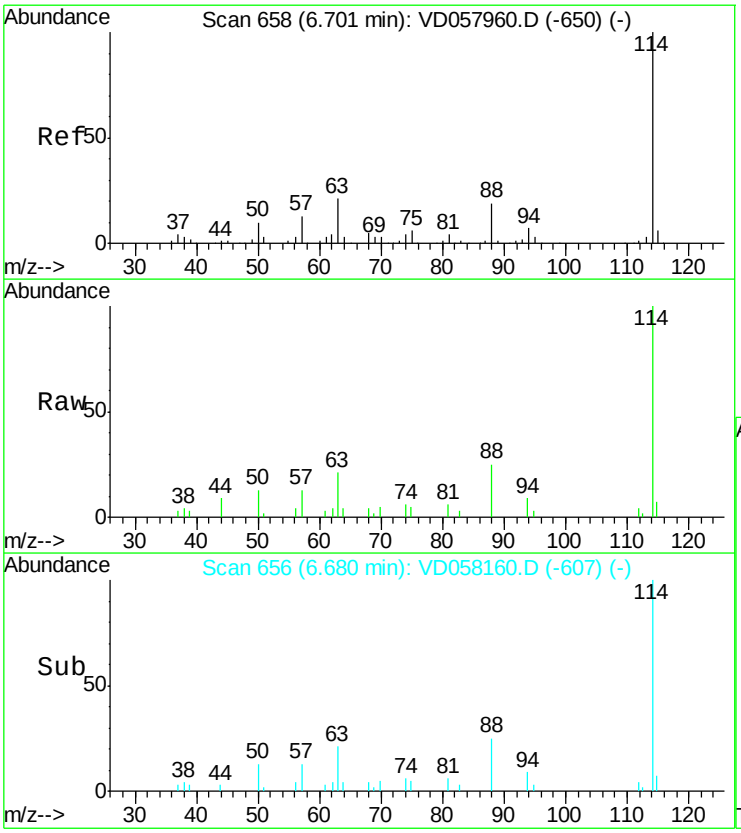
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 65 Resp: 26126

Ion	Ratio	Lower	Upper
65	100		
67	43.8	0.0	94.0

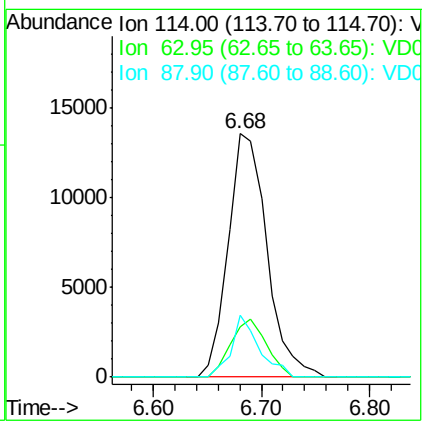


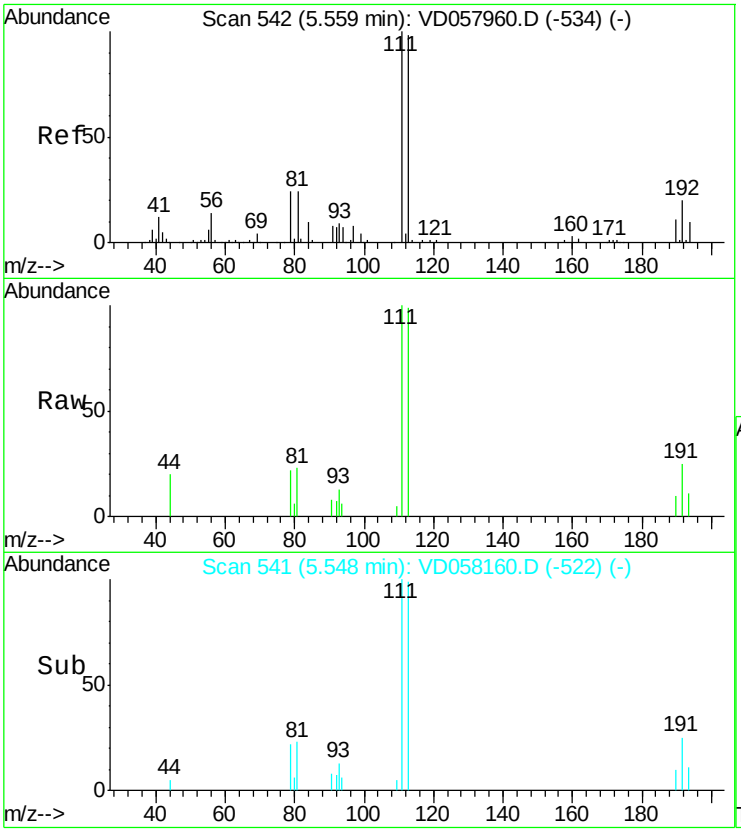


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.68 min Scan# 656
Delta R.T. -0.02 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion:114 Resp: 33790

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.8
88	25.2	0.0	37.8



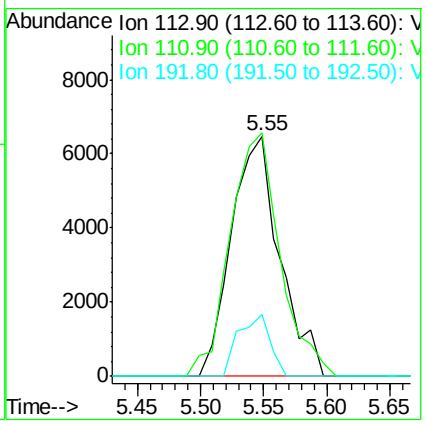


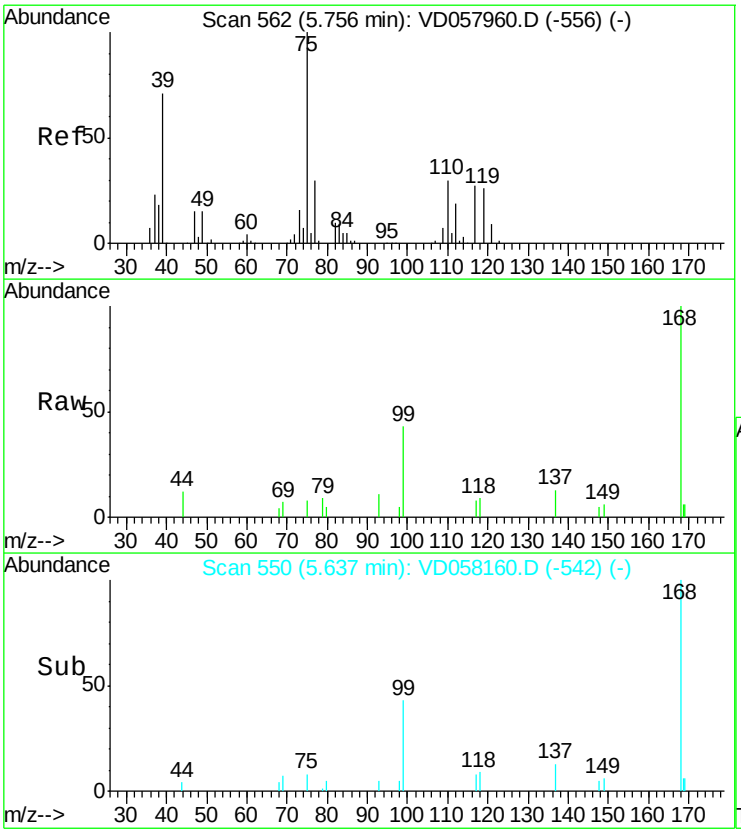
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:113 Resp: 17221

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	25.6	16.4	24.6#

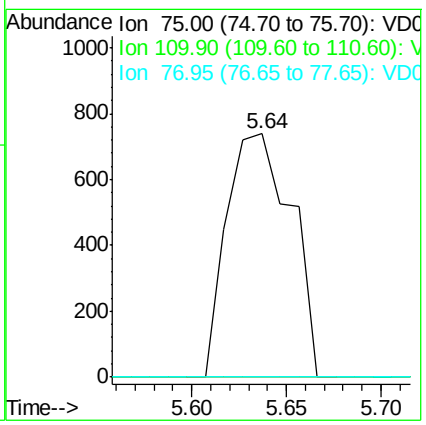


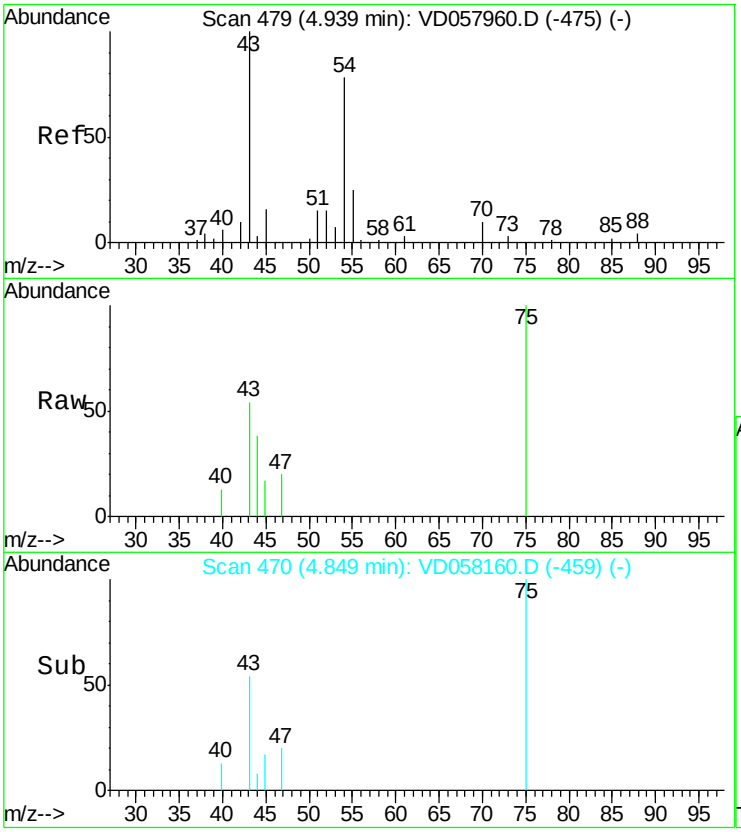


#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.12 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 75 Resp: 1744

Ion	Ratio	Lower	Upper
75	100		
110	0.0	14.8	44.3#
77	0.0	23.9	35.9#



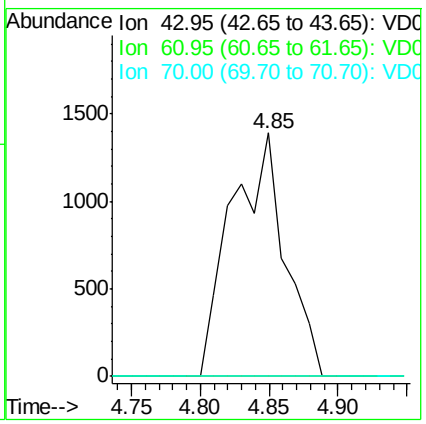


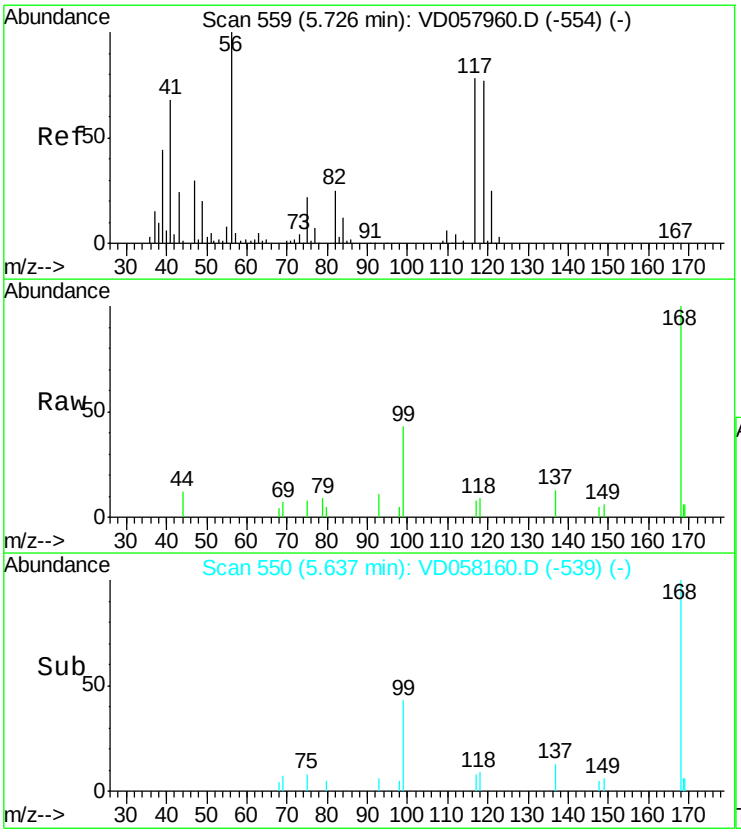
#37
Ethyl Acetate
Concen: 18.530 ug/l
RT: 4.85 min Scan# 470
Delta R.T. -0.09 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 3764

Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9#
70	0.0	5.7	8.5#

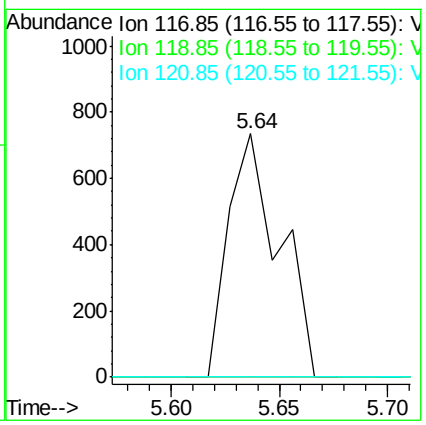


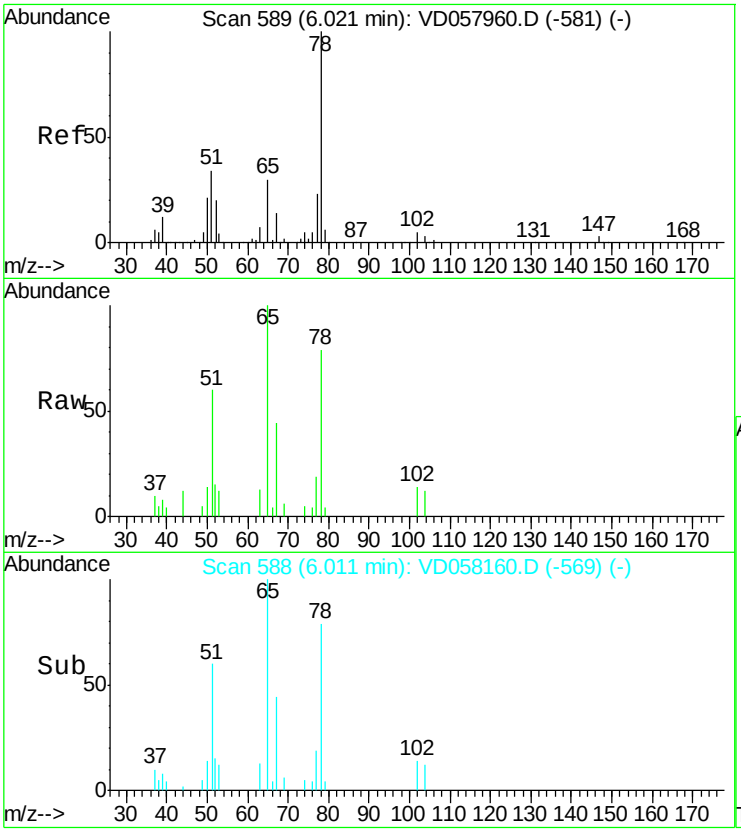


#38
Carbon Tetrachloride
Concen: 3.298 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.09 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion:117 Resp: 1210

Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.1	114.1#
121	0.0	24.9	37.3#



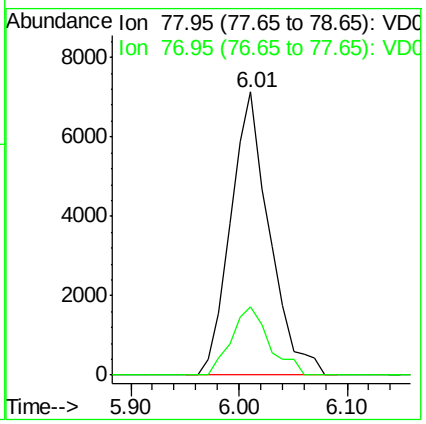


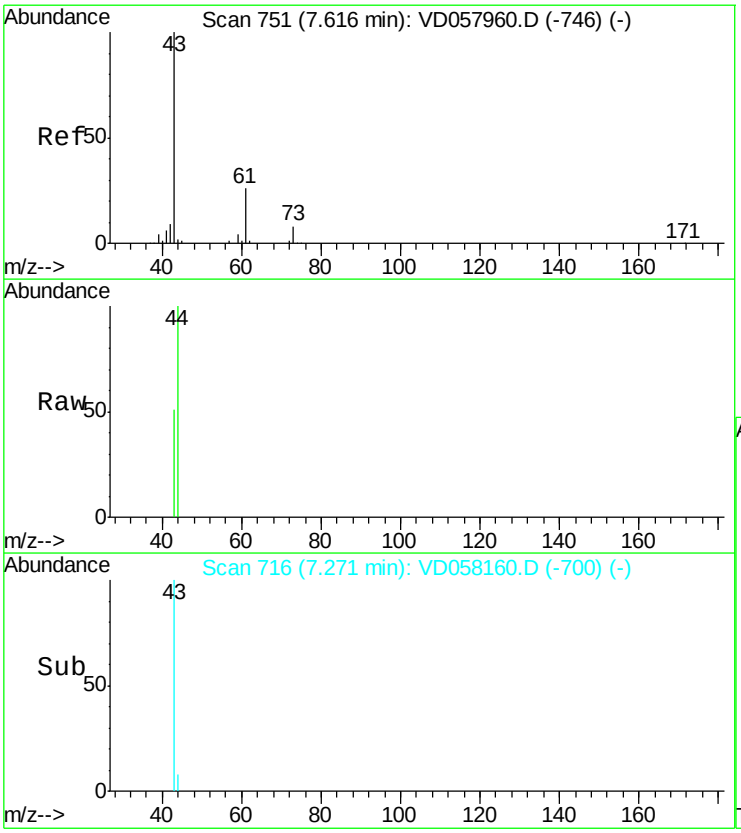
#40
Benzene
Concen: 20.415 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 78 Resp: 17754

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.1	27.1

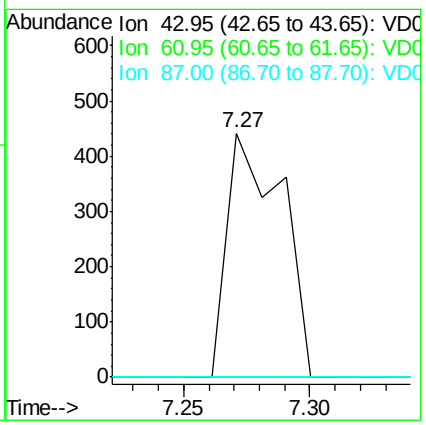


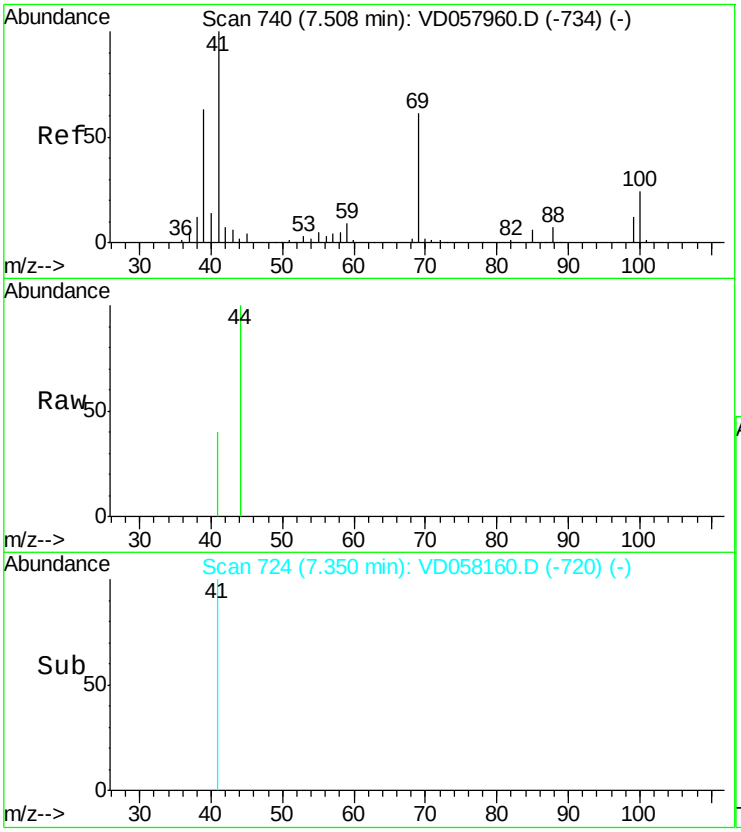


#43
Isopropyl Acetate
Concen: 2.503 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.35 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 43 Resp: 666

Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.6	30.8#
87	0.0	0.2	0.4#



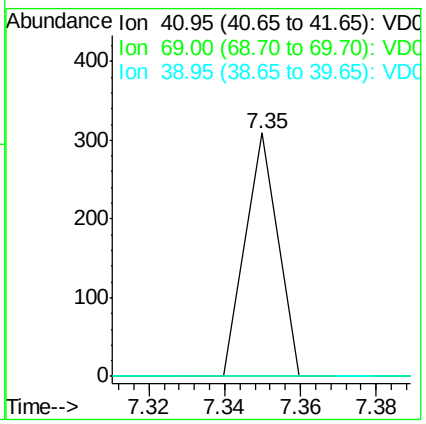


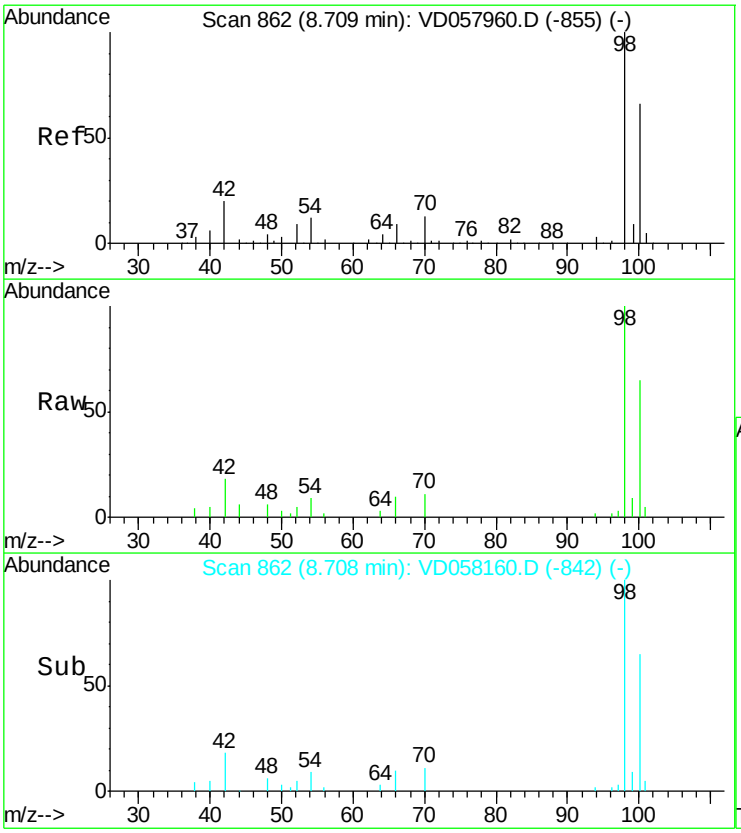
#48
Methyl methacrylate
Concen: 1.111 ug/l
RT: 7.35 min Scan# 724
Delta R.T. -0.16 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 41 Resp: 182

Ion	Ratio	Lower	Upper
41	100		
69	0.0	48.0	72.0#
39	0.0	50.7	76.1#

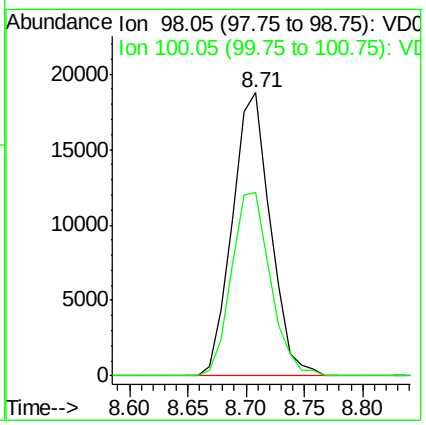


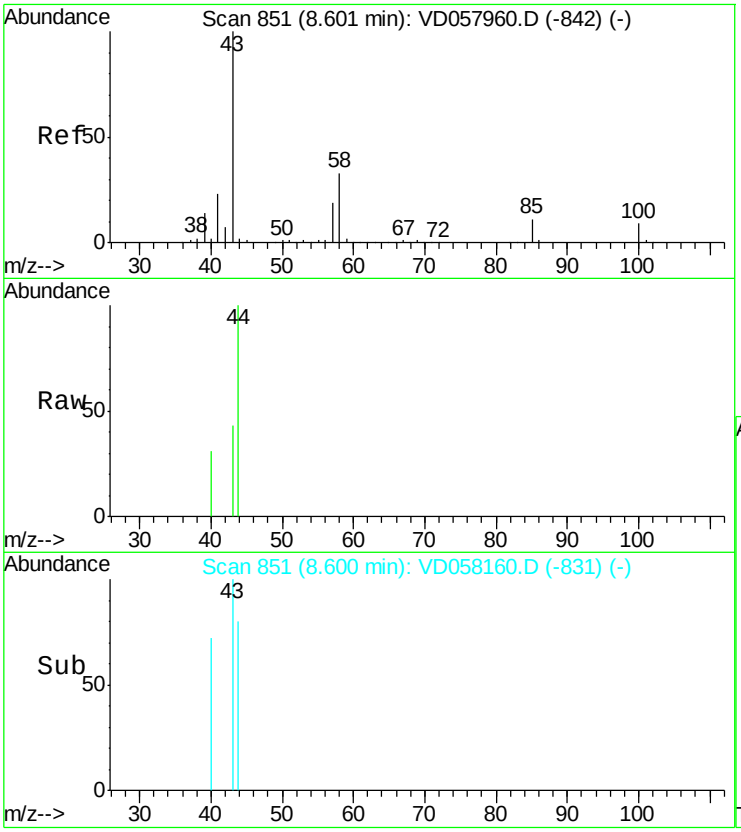


#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 98 Resp: 42432

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.4	80.0



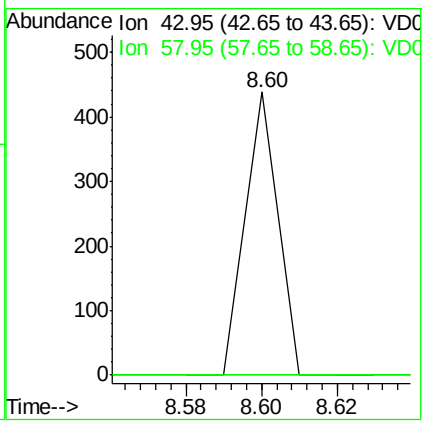


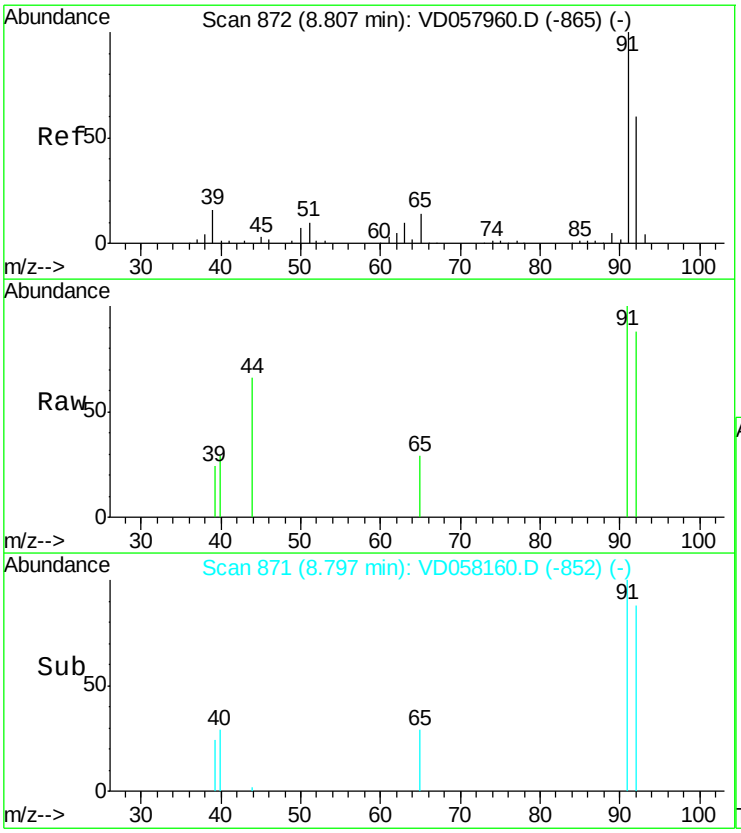
#51
4-Methyl-2-Pentanone
Concen: 1.518 ug/l
RT: 8.60 min Scan# 851
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 259

Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.2	39.4#

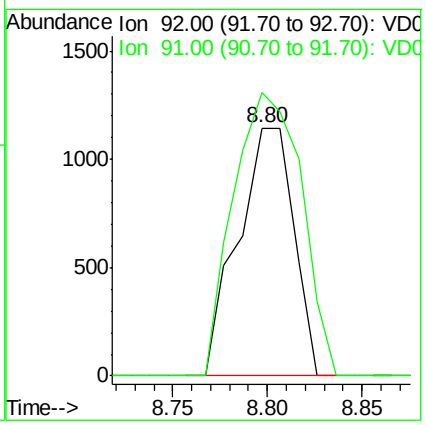


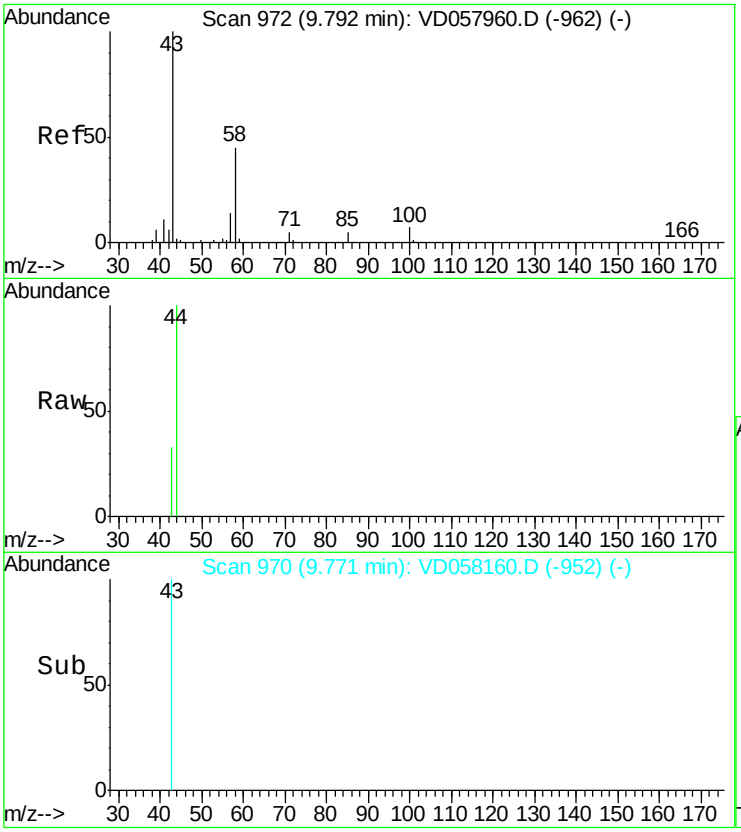


#52
Toluene
Concen: 4.692 ug/l
RT: 8.80 min Scan# 871
Delta R.T. -0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 92 Resp: 2342

Ion	Ratio	Lower	Upper
92	100		
91	114.2	133.0	199.6#



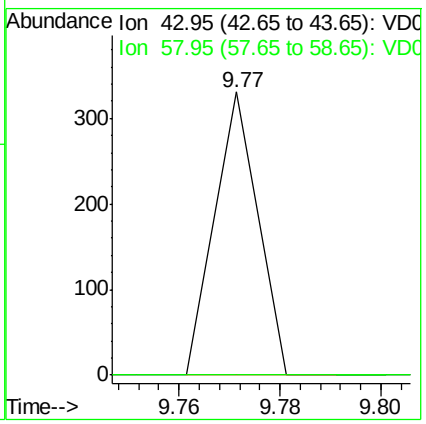


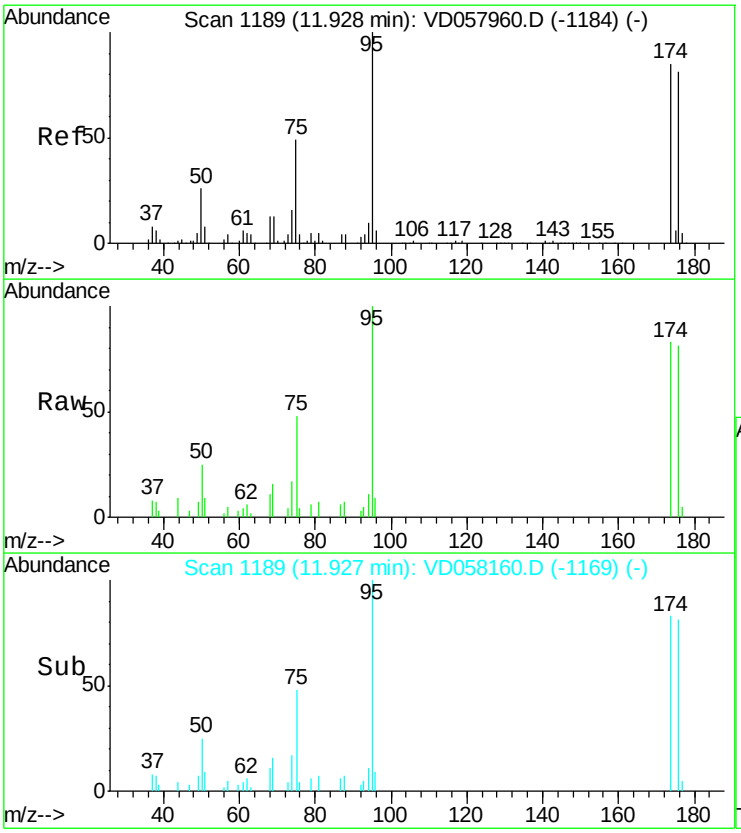
#59
2-Hexanone
Concen: 1.567 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 196

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	67.5#

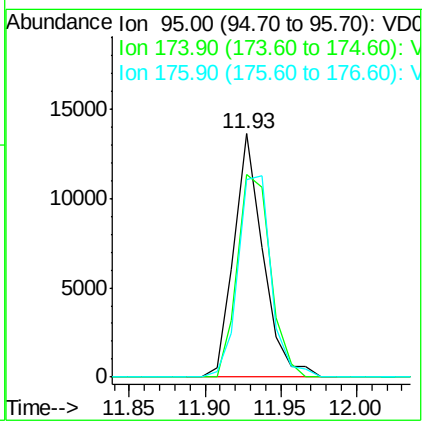


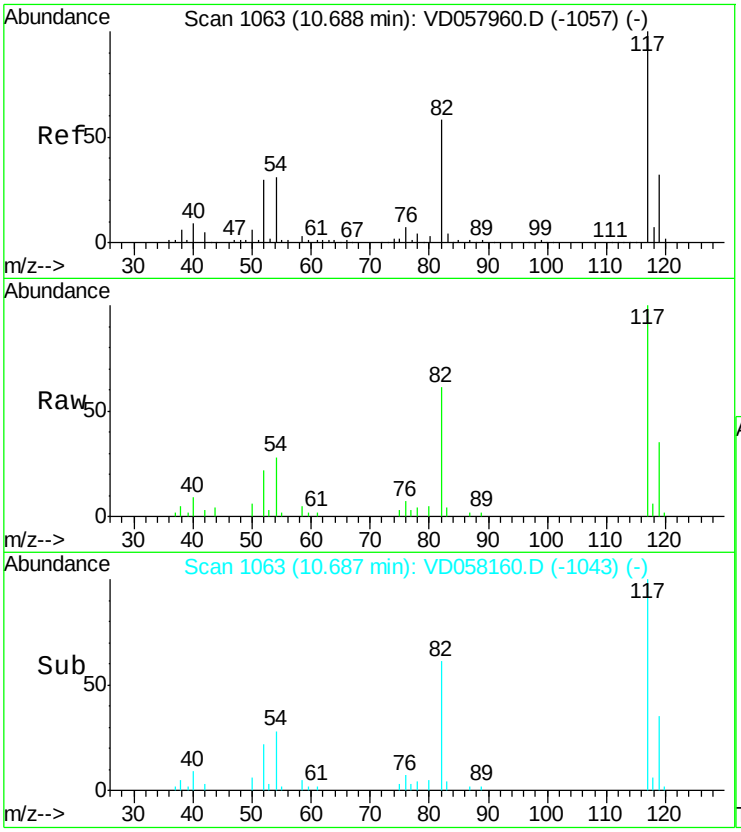


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 95 Resp: 18219

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	169.4
176	81.0	0.0	162.6



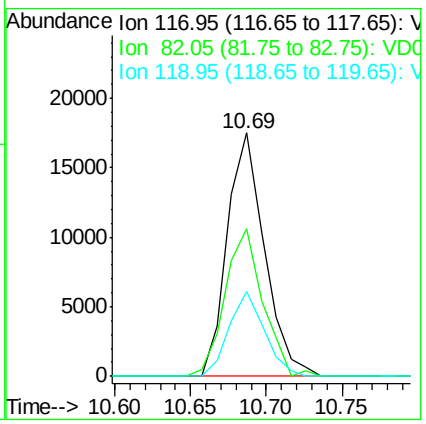


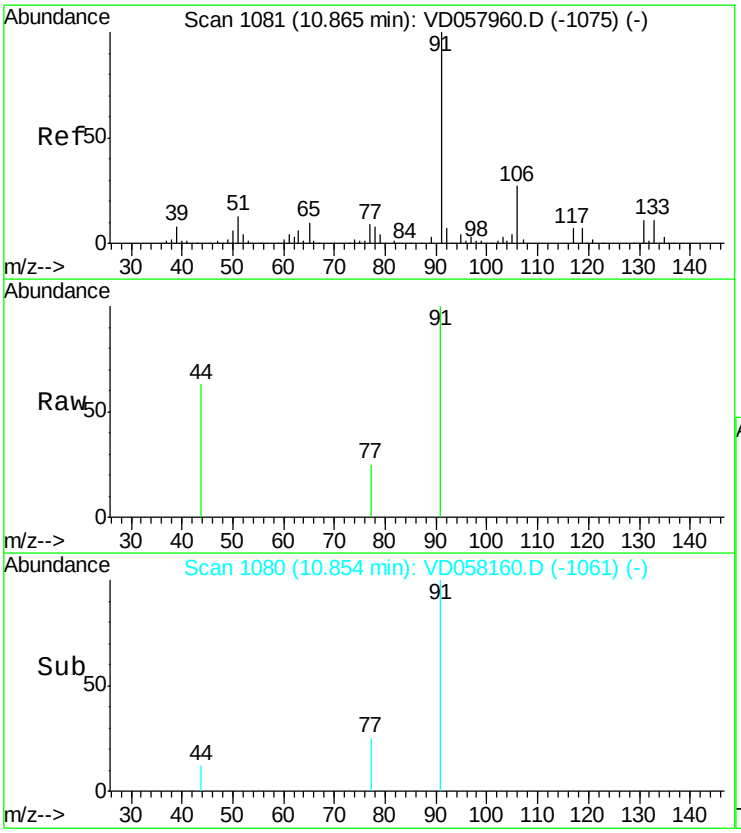
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 29967

Ion	Ratio	Lower	Upper
117	100		
82	60.8	46.8	70.2
119	34.9	25.8	38.6

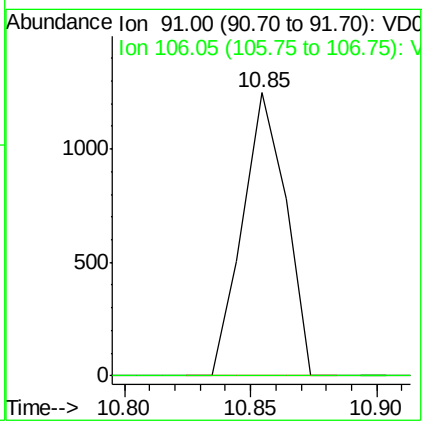


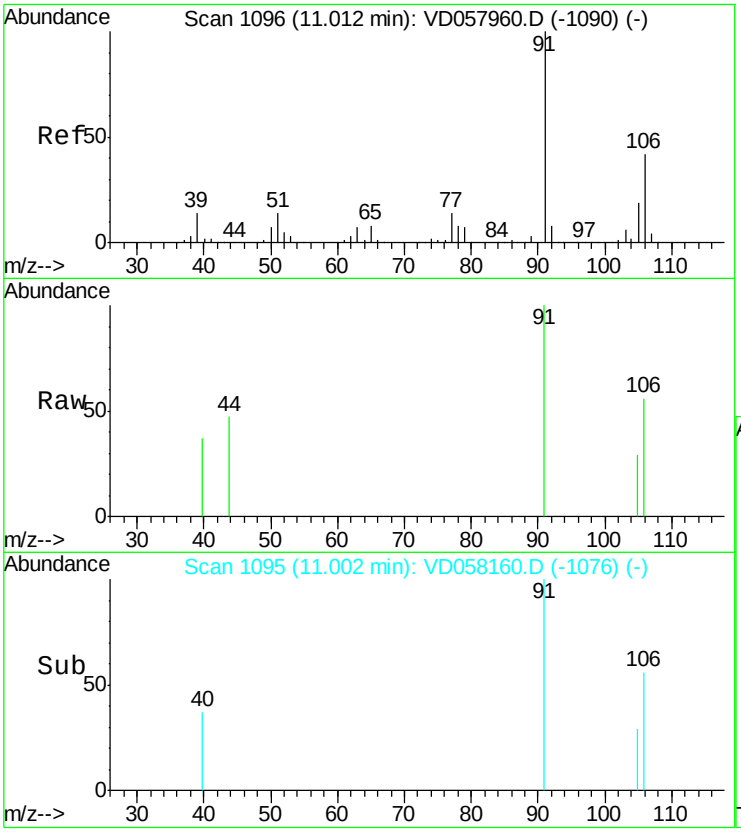


#67
Ethyl Benzene
Concen: 1.363 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 91 Resp: 1494

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.5	32.3#



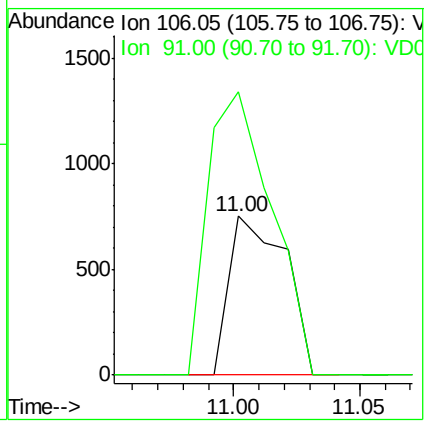


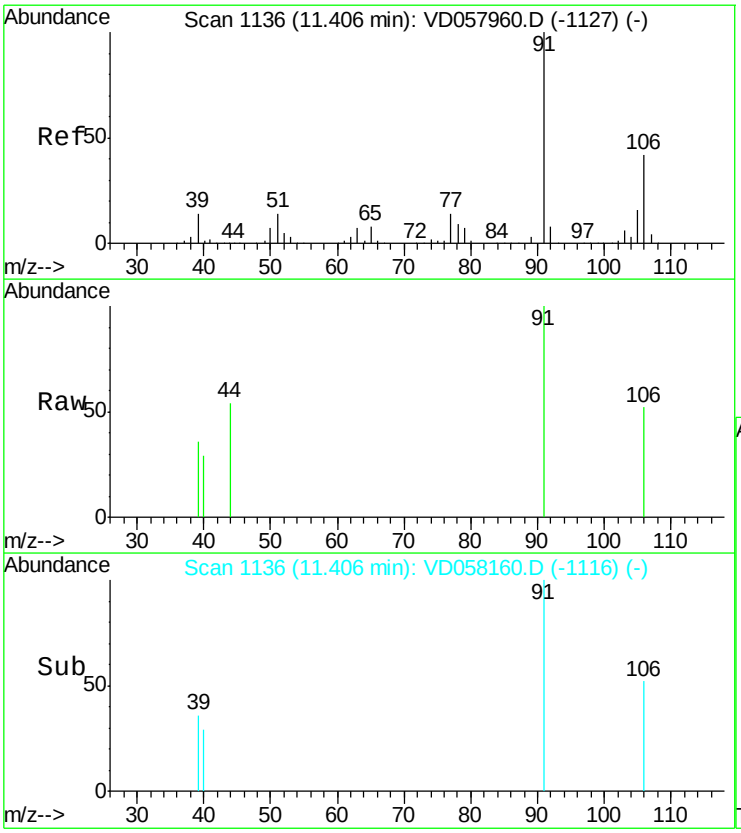
#68
m/p-Xylenes
Concen: 3.261 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:106 Resp: 1165

Ion	Ratio	Lower	Upper
106	100		
91	177.8	190.4	285.6#

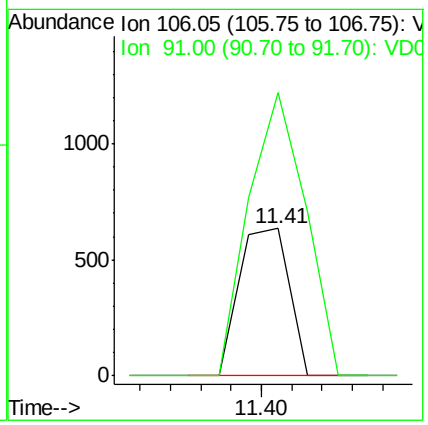


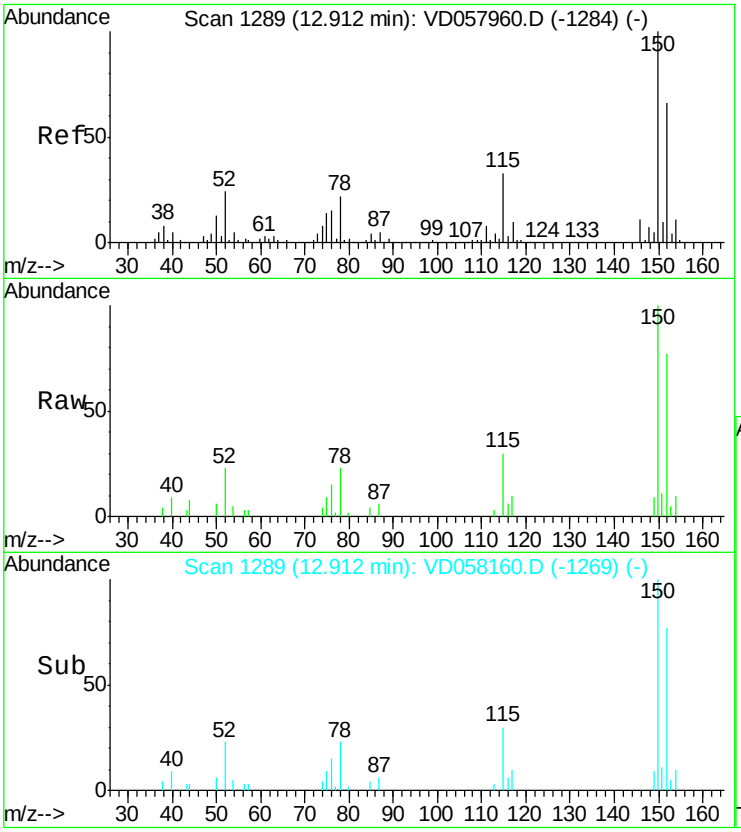


#69
o-Xylene
Concen: 2.072 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion:106 Resp: 735

Ion	Ratio	Lower	Upper
106	100		
91	191.8	120.6	361.7



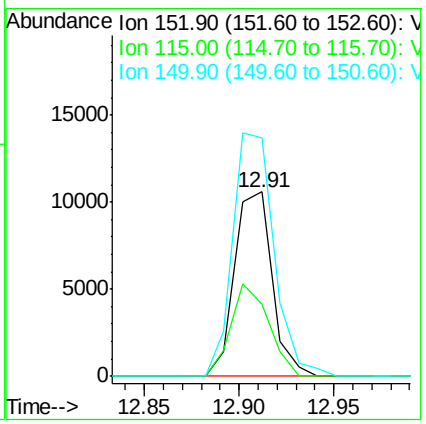


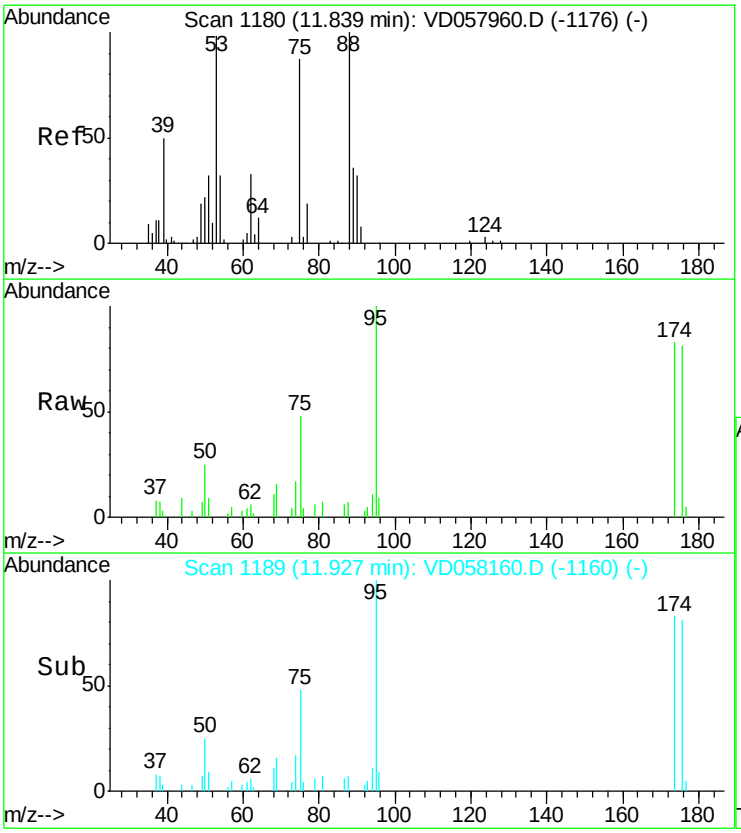
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:152 Resp: 14486

Ion	Ratio	Lower	Upper
152	100		
115	38.9	25.6	76.6
150	129.2	0.0	306.8

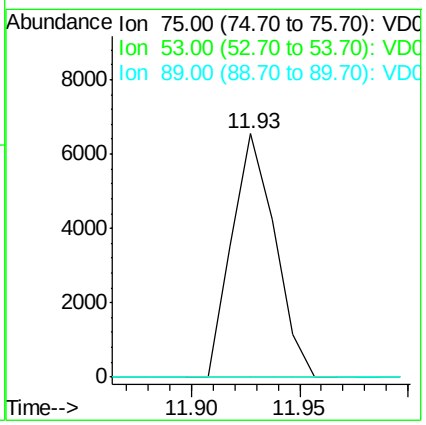


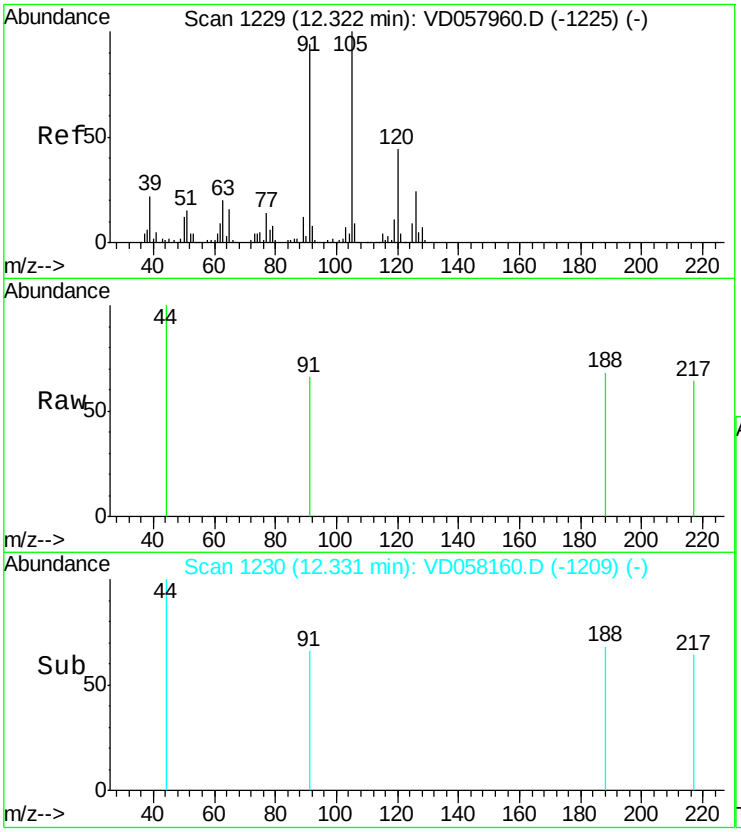


#81
trans-1,4-Dichloro-2-butene
Concen: 169.436 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.09 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion: 75 Resp: 9132

Ion	Ratio	Lower	Upper
75	100		
53	0.0	89.3	133.9#
89	0.0	33.3	49.9#



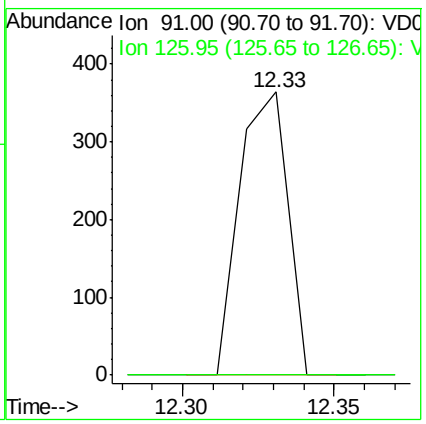


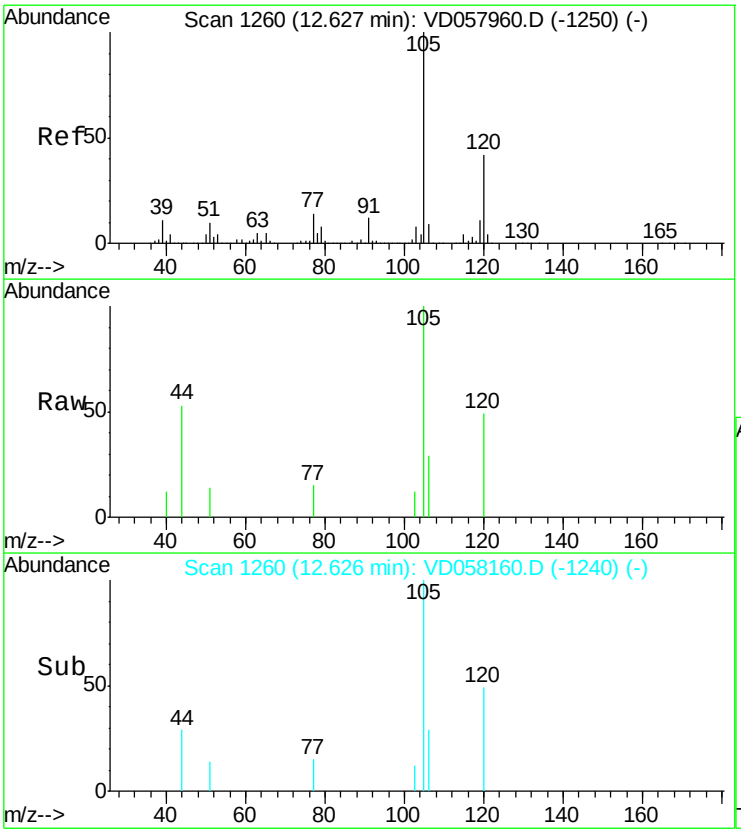
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.33 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 402

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.5	37.5#

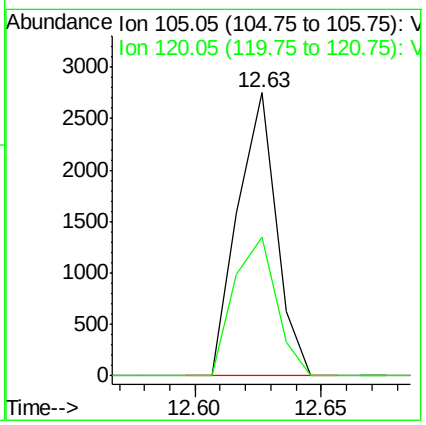


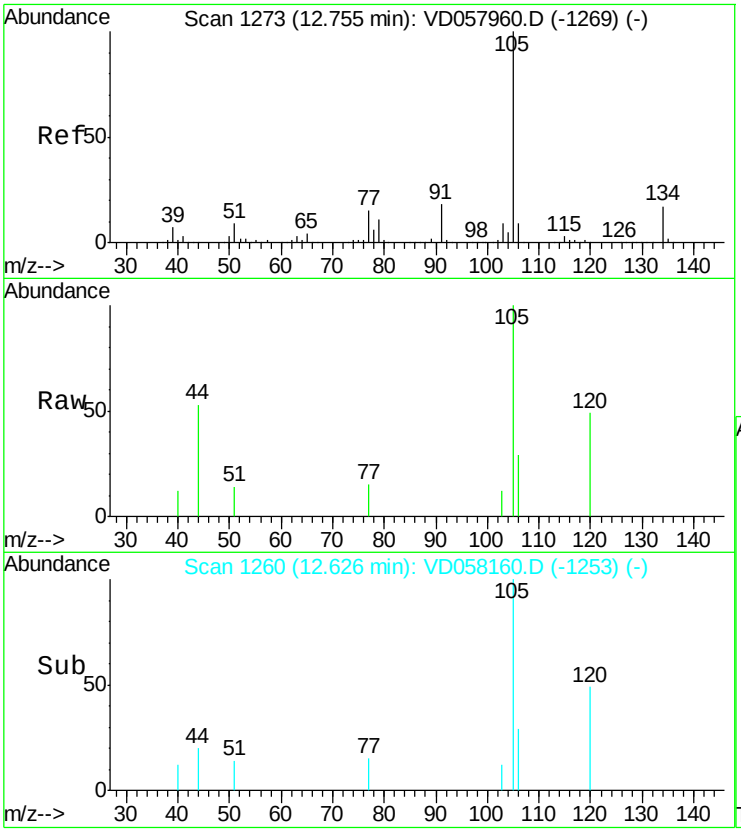


#84
1,2,4-Trimethylbenzene
Concen: 3.646 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion:105 Resp: 2933

Ion	Ratio	Lower	Upper
105	100		
120	48.8	21.2	63.6



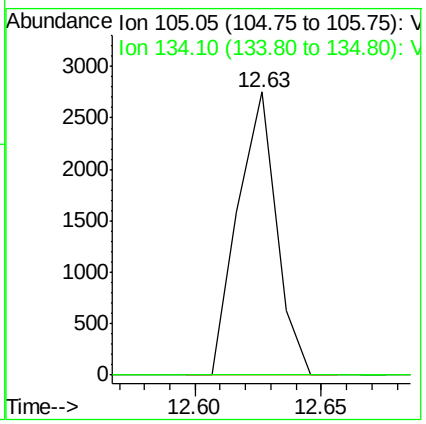


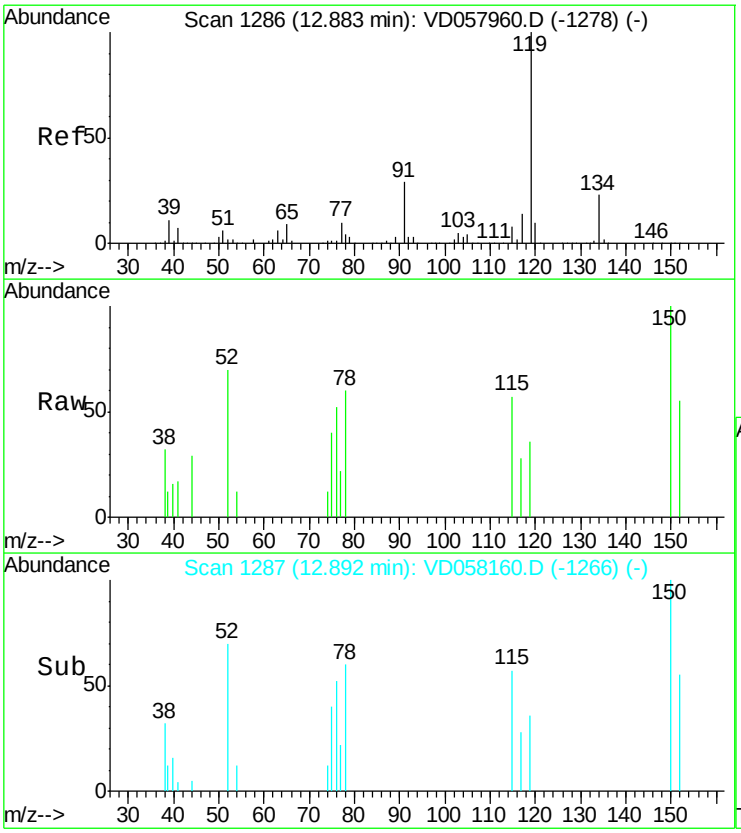
#85
sec-Butylbenzene
Concen: 2.876 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.13 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 2933

Ion	Ratio	Lower	Upper
105	100		
134	0.0	8.3	25.1#

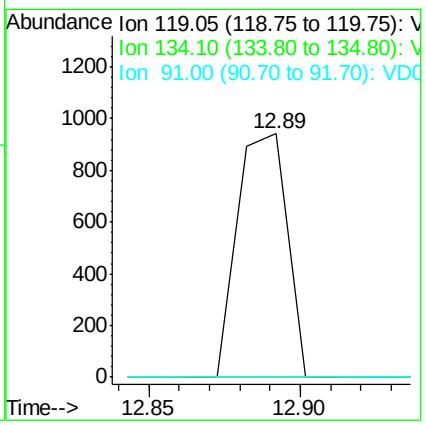


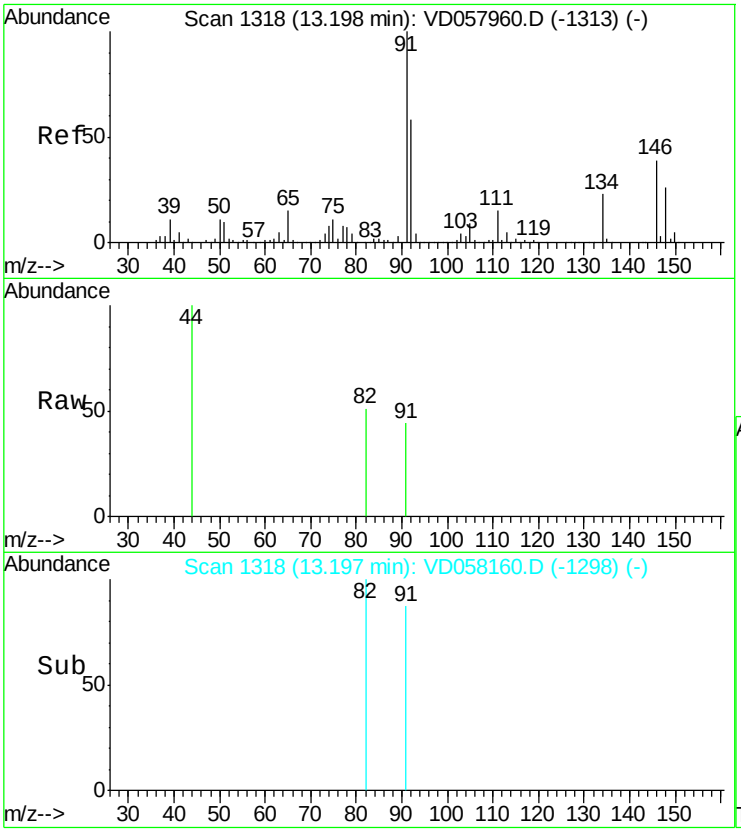


#86
p-Isopropyltoluene
Concen: 1.320 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion:119 Resp: 1085

Ion	Ratio	Lower	Upper
119	100		
134	0.0	11.5	34.4#
91	0.0	14.5	43.6#



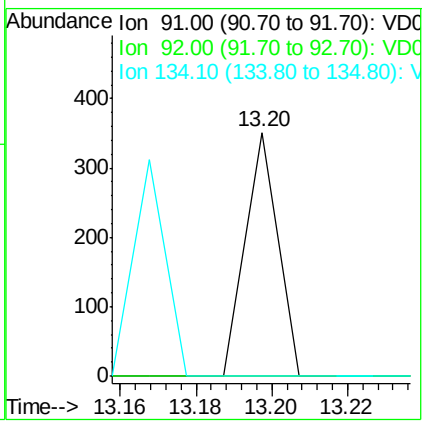


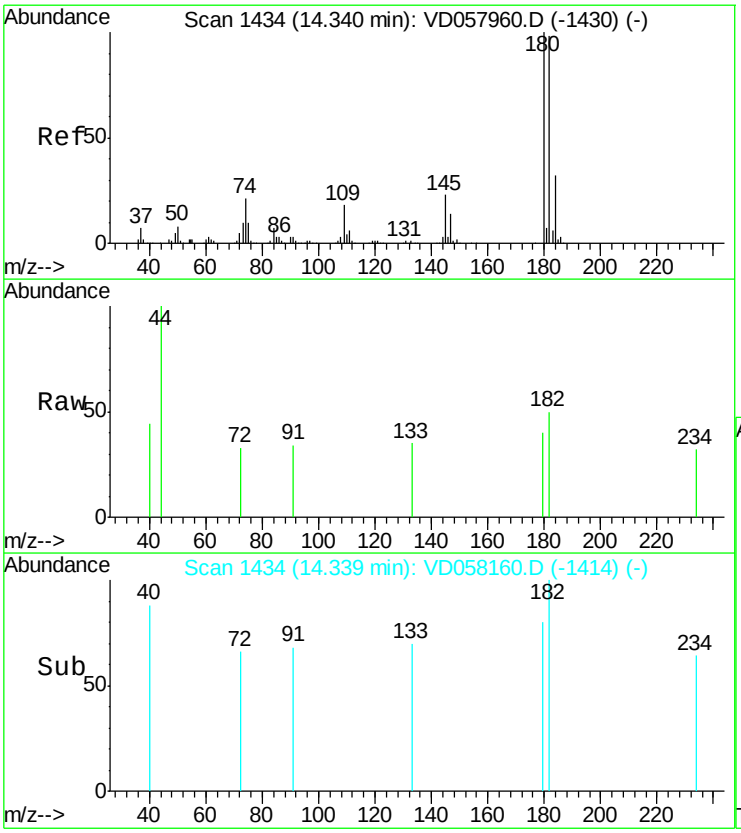
#89
n-Butylbenzene
Concen: Below Cal
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 207

Ion	Ratio	Lower	Upper
91	100		
92	0.0	29.2	87.6#
134	0.0	11.3	33.9#

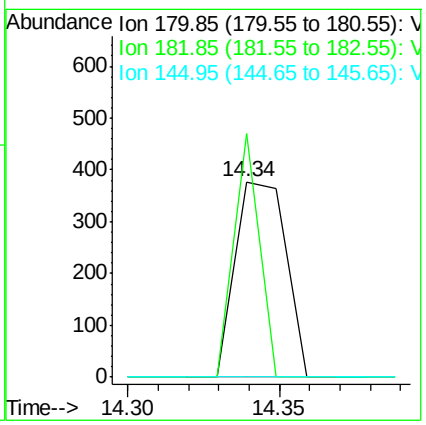


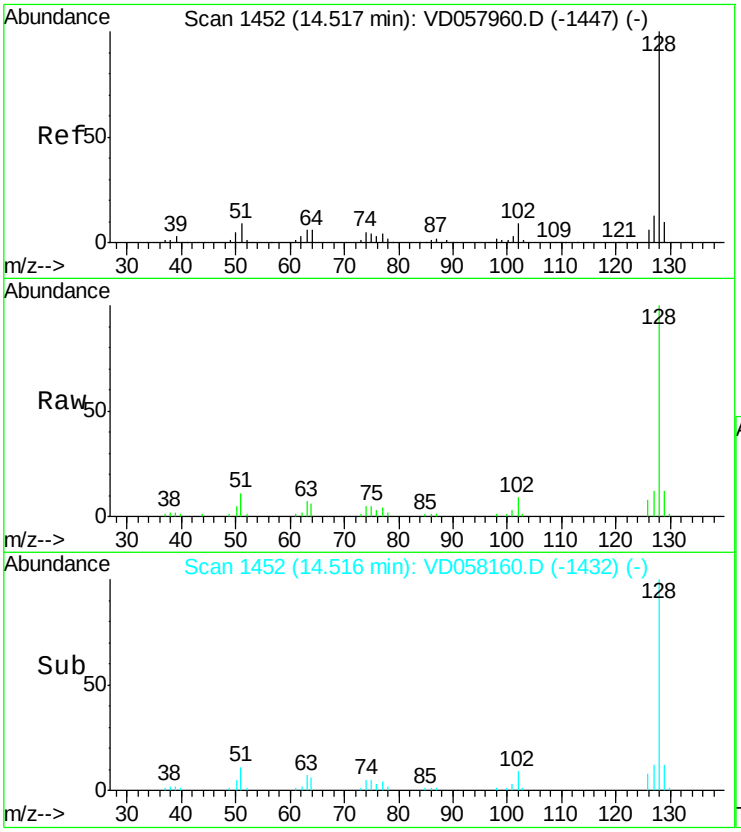


#93
1,2,4-Trichlorobenzene
Concen: 1.205 ug/l
RT: 14.34 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion:180 Resp: 437

Ion	Ratio	Lower	Upper
180	100		
182	124.7	49.0	147.2
145	0.0	11.8	35.3#



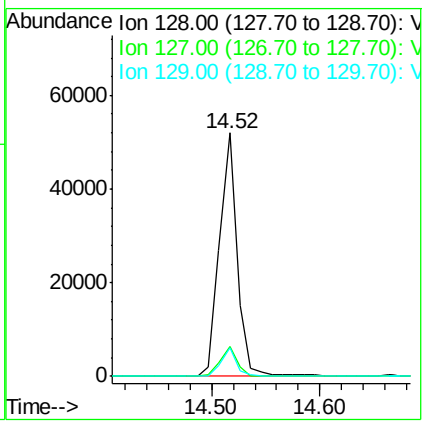


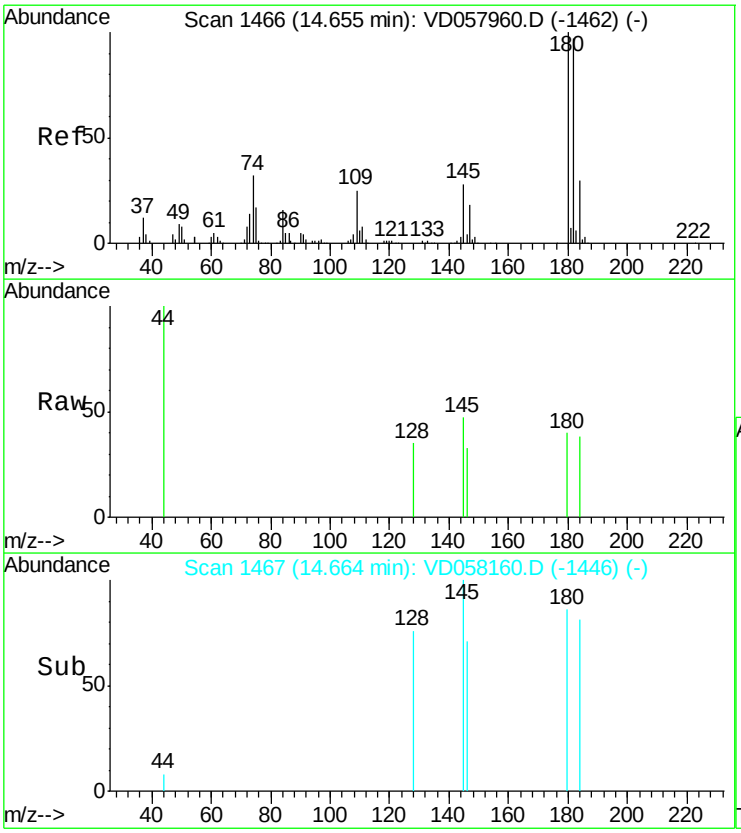
#95
Naphthalene
Concen: 127.007 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 59398

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	11.6	8.2	12.2





#96
1,2,3-Trichlorobenzene
Concen: 1.375 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD058160.D
Acq: 15 Jun 2018 19:00

Tgt Ion:180 Resp: 425

Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.5	145.5#
145	115.9	14.2	42.8#