Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
Data File : VD060558.D
Acq On : 13 Dec 2018 13:52
Operator : VA/AP
Sample : J6199-05
Misc : 6.28g/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-04-121218-A

Quant Time: Dec 14 01:04:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1347633	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1963974	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1476993	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	649727	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	416501	43.60	ug/l	-0.03
Spiked Amount 50.000			Recovery = 87.20%			
35) Dibromofluoromethane	6.30	113	556688	38.59	ug/l	-0.03
Spiked Amount 50.000			Recovery = 77.18%			
50) Toluene-d8	9.43	98	1380730	33.08	ug/l	-0.03
Spiked Amount 50.000			Recovery = 66.16%			
62) 4-Bromofluorobenzene	12.42	95	500487	33.51	ug/l	-0.02
Spiked Amount 50.000			Recovery = 67.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	1774	Below Cal	#	41
8) Diethyl Ether	2.83	74	6196	2.811	ug/l	83
11) Tert butyl alcohol	3.95	59	3356	8.648	ug/l #	73
16) Acetone	3.16	43	475631	310.646	ug/l	100
18) Methyl Acetate	3.55	43	4589	1.261	ug/l #	64
20) Methylene Chloride	3.72	84	197557	10.521	ug/l	98
25) 2-Butanone	5.62	43	9065	3.009	ug/l #	59
31) Cyclohexane	6.38	56	26854	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	94792	4.938	ug/l #	49
38) Carbon Tetrachloride	6.39	117	104404	6.058	ug/l #	16
52) Toluene	9.53	92	2131638	69.513	ug/l	98
67) Ethyl Benzene	11.41	91	208817	3.918	ug/l	95
68) m/p-Xylenes	11.54	106	300016	15.216	ug/l	95
69) o-Xylene	11.92	106	218712	11.639	ug/l	100
73) Isopropylbenzene	12.26	105	72035	1.567	ug/l	98
74) N-amyl acetate	12.19	43	18615	1.675	ug/l #	20
76) 1,2,3-Trichloropropane	12.69	75	9736	1.323	ug/l #	1
78) n-propylbenzene	12.62	91	312510	5.377	ug/l	97
79) 2-Chlorotoluene	12.69	91	142184	4.508	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.78	105	342819	9.758	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.41	75	200073	97.443	ug/l #	15
82) 4-Chlorotoluene	12.78	91	37279	1.052	ug/l #	39
83) tert-Butylbenzene	13.08	119	164346	4.172	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.07	105	1456726	40.045	ug/l	98
85) sec-Butylbenzene	13.20	105	103995	2.118	ug/l	99
86) p-Isopropyltoluene	13.33	119	58739	1.509	ug/l	98
89) n-Butylbenzene	13.64	91	251855	5.401	ug/l	94
90) Hexachloroethane	13.81	117	51219	5.249	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.21	75	2284	2.561	ug/l #	2
95) Naphthalene	14.95	128	311170	18.711	ug/l	99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
Data File : VD060558.D
Acq On : 13 Dec 2018 13:52
Operator : VA/AP
Sample : J6199-05
Misc : 6.28g/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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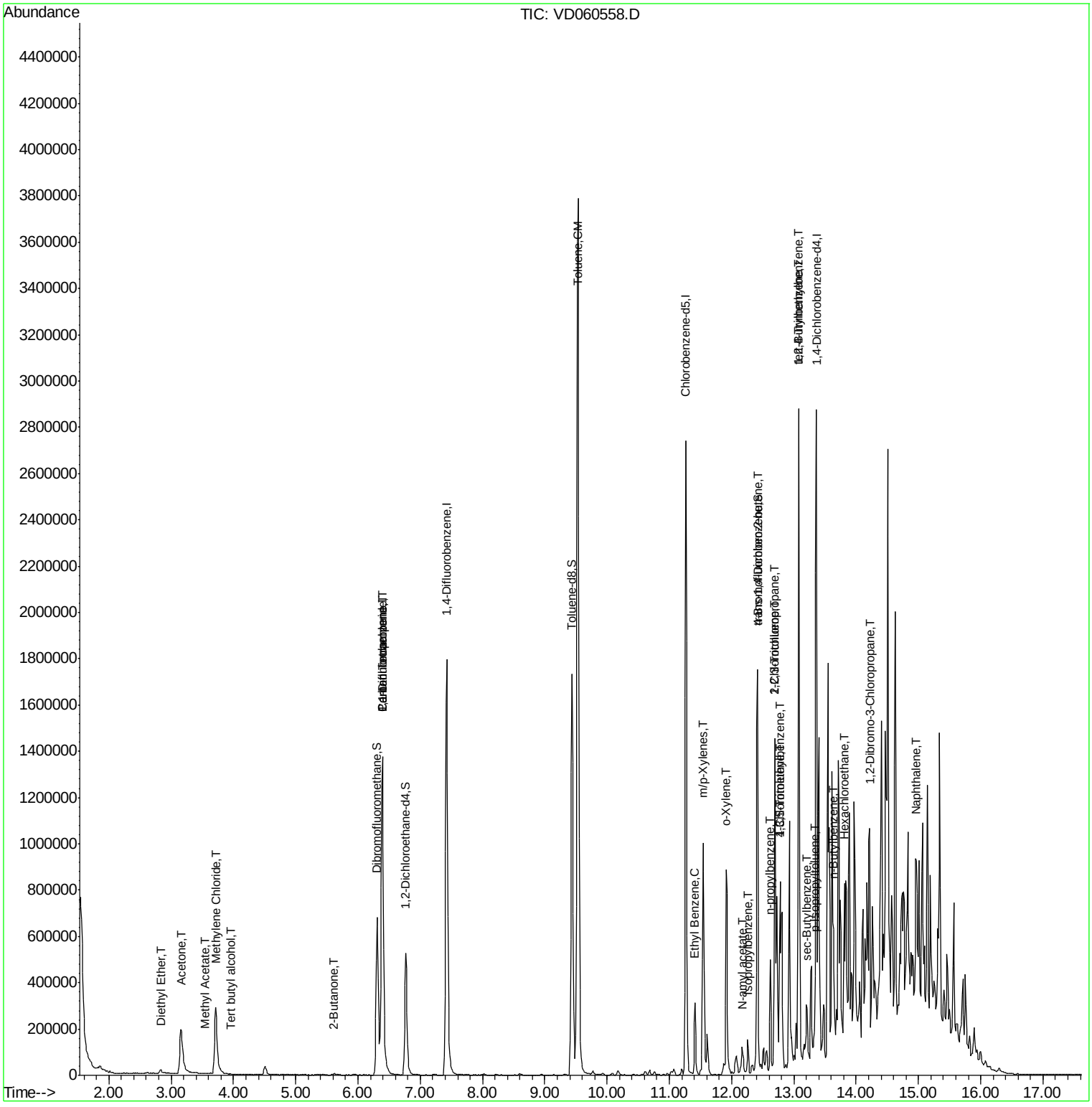
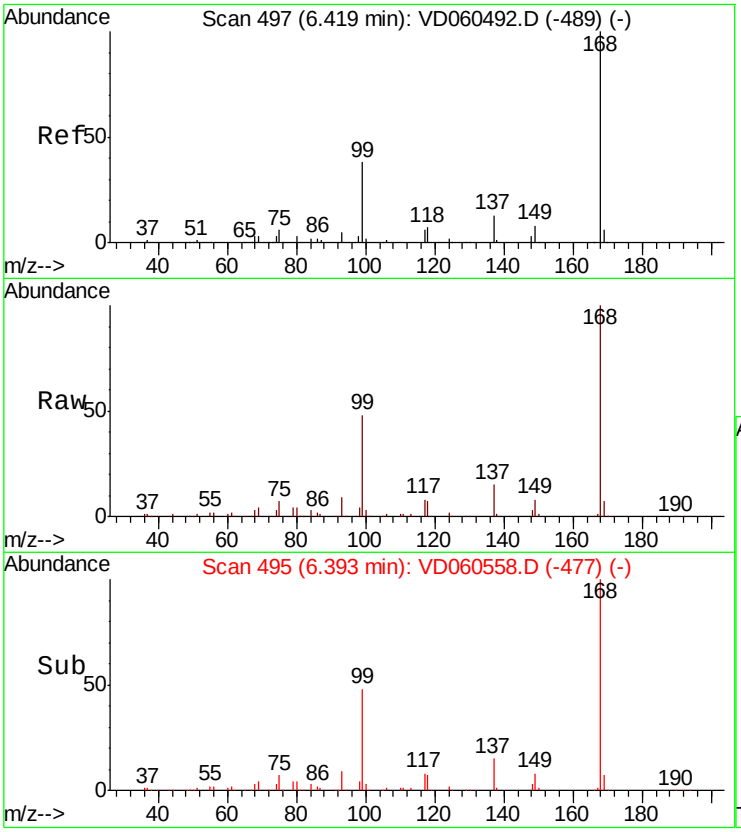
SU-04-121218-A

Quant Time: Dec 14 01:04:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration



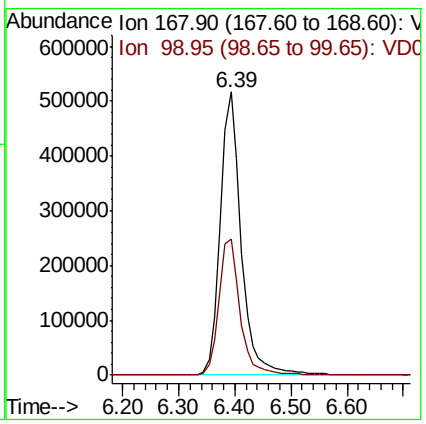


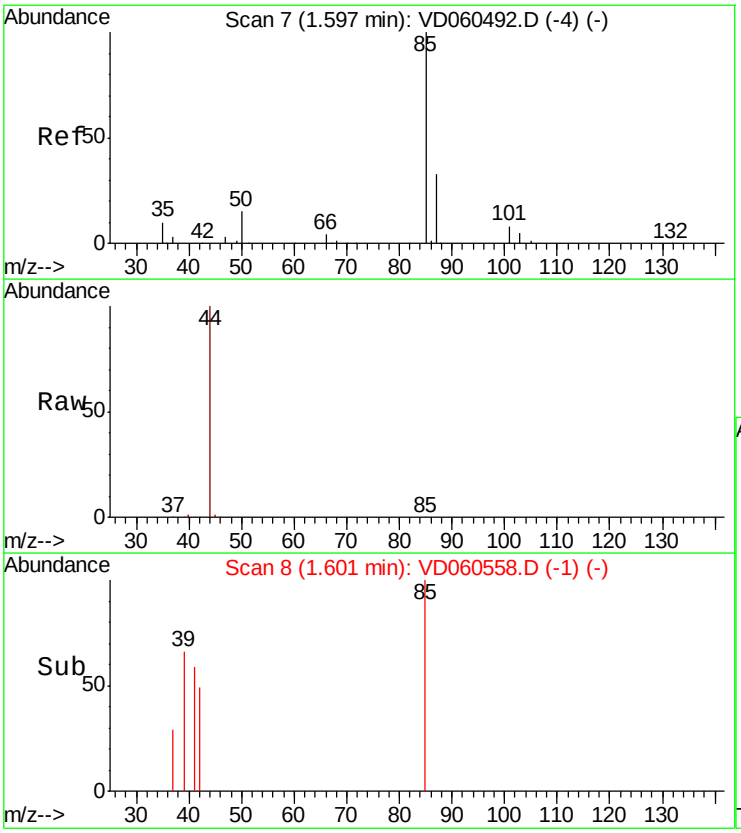
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.39 min Scan# 495
Delta R.T. -0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tgt Ion:168 Resp: 1347633

Ion	Ratio	Lower	Upper
168	100		
99	48.0	35.6	53.4

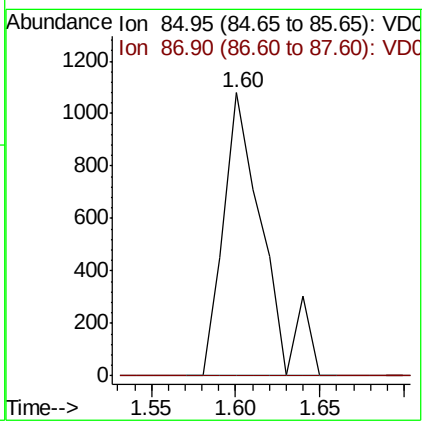


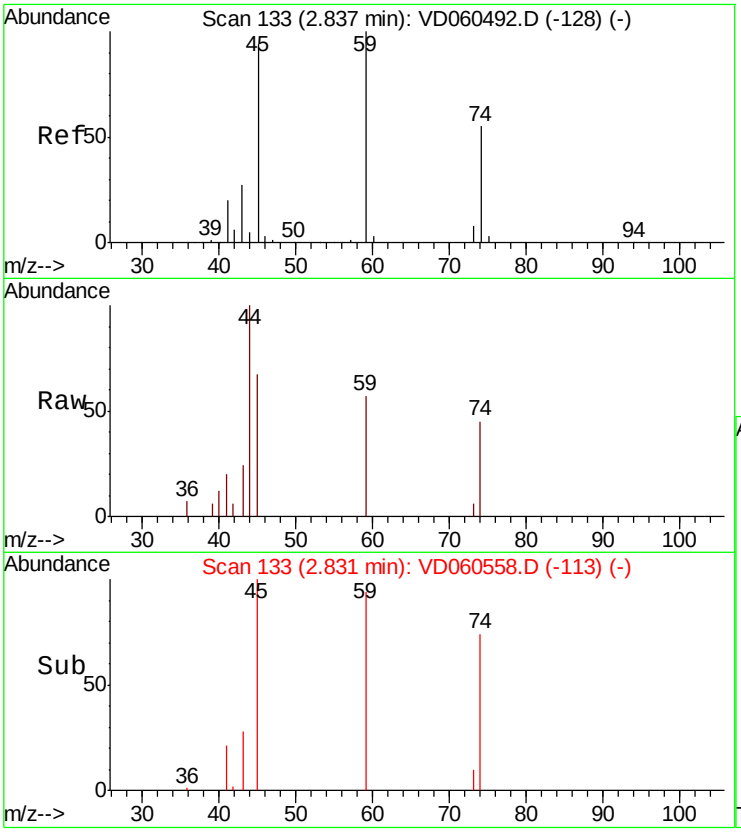


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.60 min Scan# 8
Delta R.T. 0.00 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion: 85 Resp: 1774

Ion	Ratio	Lower	Upper
85	100		
87	0.0	16.7	50.0#



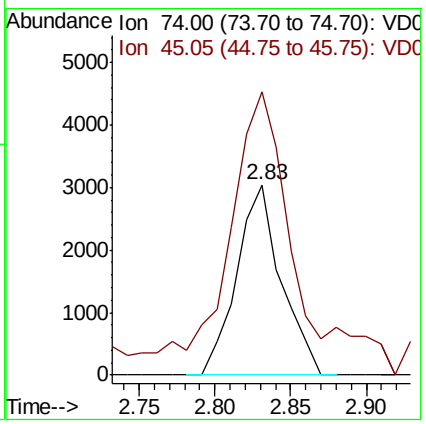


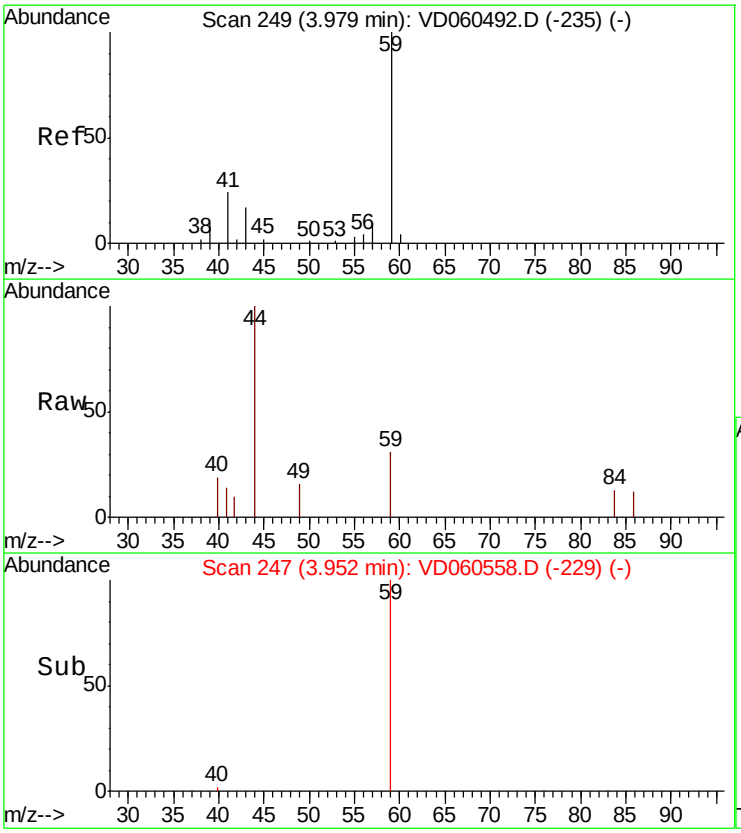
#8
Diethyl Ether
Concen: 2.811 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.01 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tgt Ion: 74 Resp: 6196

Ion	Ratio	Lower	Upper
74	100		
45	148.8	86.0	258.0

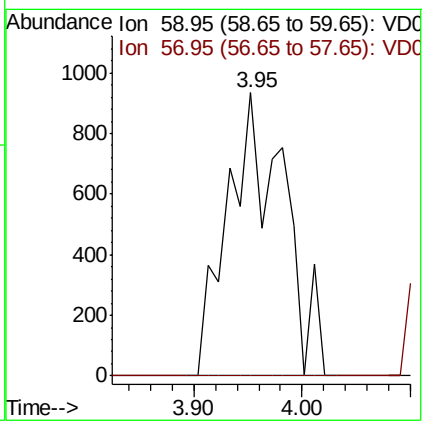


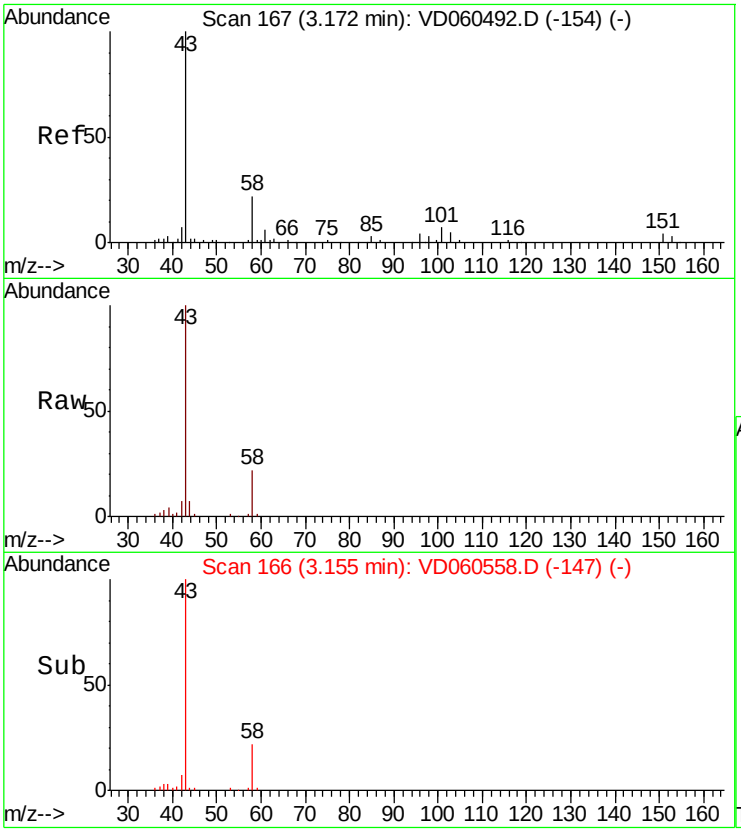


#11
Tert butyl alcohol
Concen: 8.648 ug/l
RT: 3.95 min Scan# 247
Delta R.T. -0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion: 59 Resp: 3356

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#



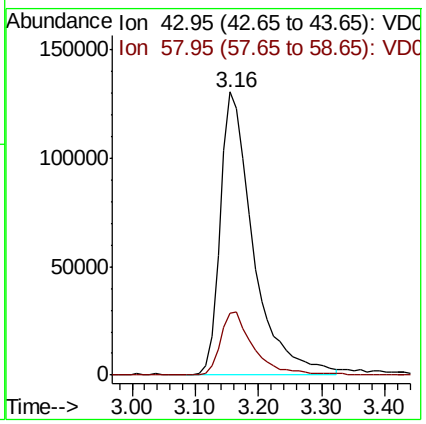


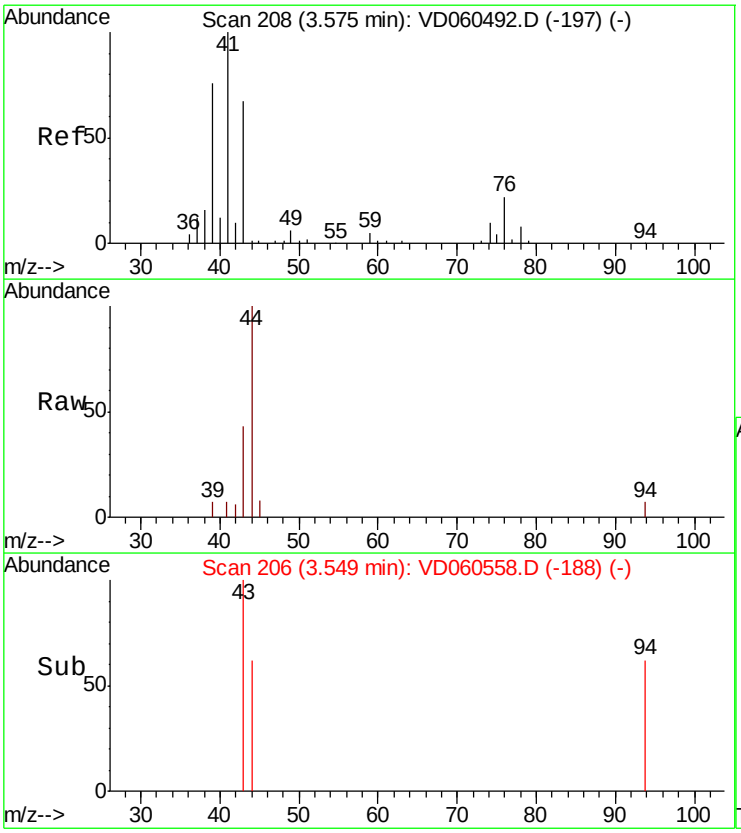
#16
Acetone
Concen: 310.646 ug/l
RT: 3.16 min Scan# 166
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument : MSVOA_D
ClientSampleId : SU-04-121218-A

Tgt Ion: 43 Resp: 475631

Ion	Ratio	Lower	Upper
43	100		
58	21.7	17.3	25.9

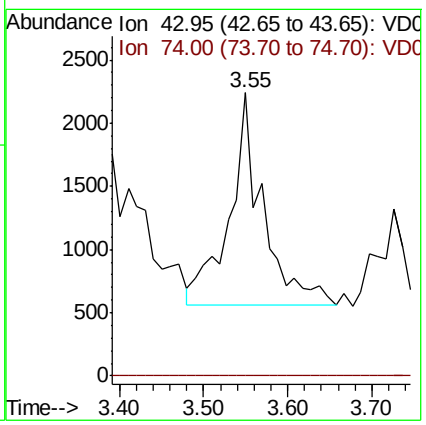


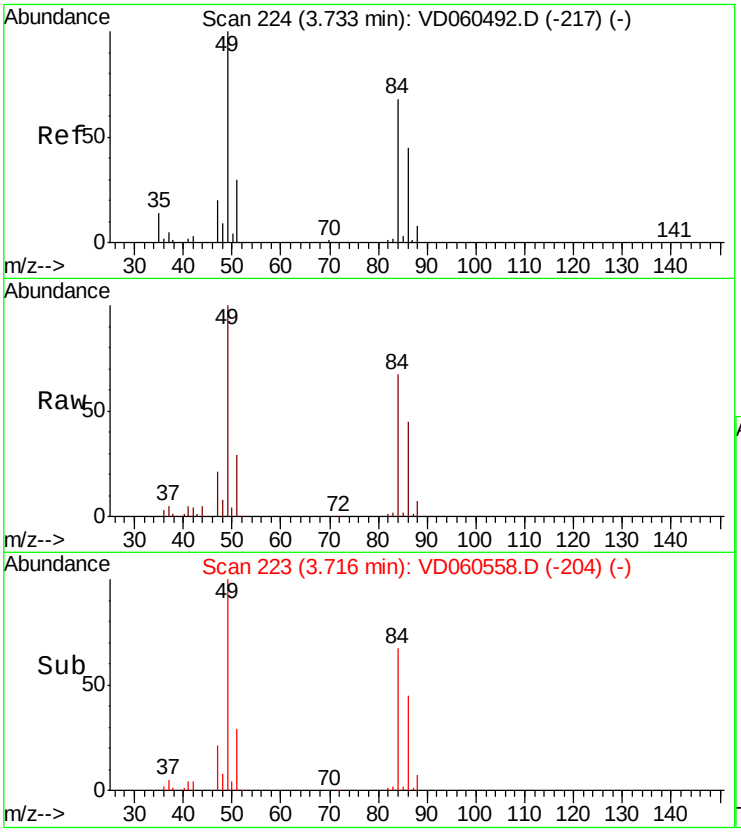


#18
Methyl Acetate
Concen: 1.261 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion: 43 Resp: 4589

Ion	Ratio	Lower	Upper
43	100		
74	0.0	12.0	18.0#



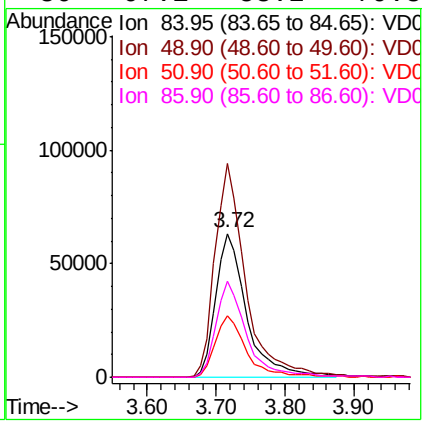


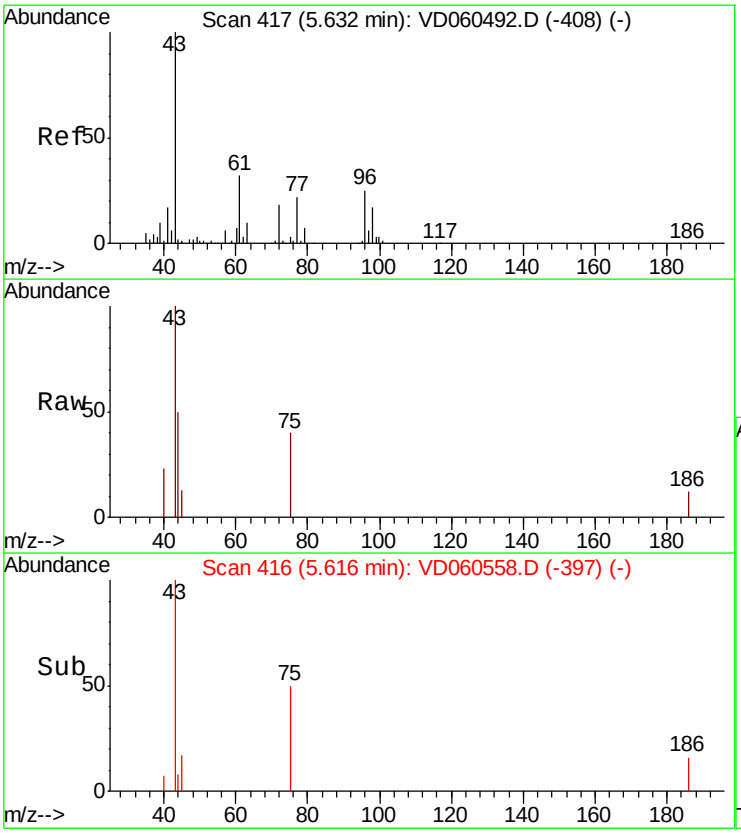
#20
Methylene Chloride
Concen: 10.521 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument : MSVOA_D
ClientSampleId : SU-04-121218-A

Tgt Ion: 84 Resp: 197557

Ion	Ratio	Lower	Upper
84	100		
49	149.0	117.2	175.8
51	43.1	35.3	52.9
86	67.1	53.2	79.8

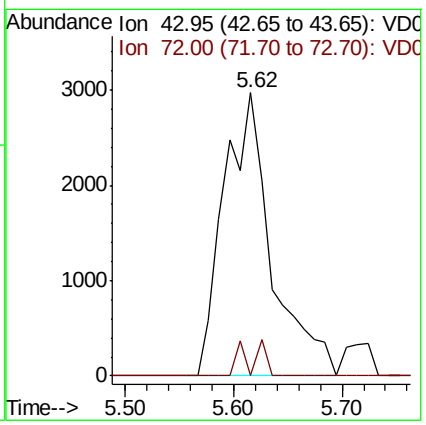


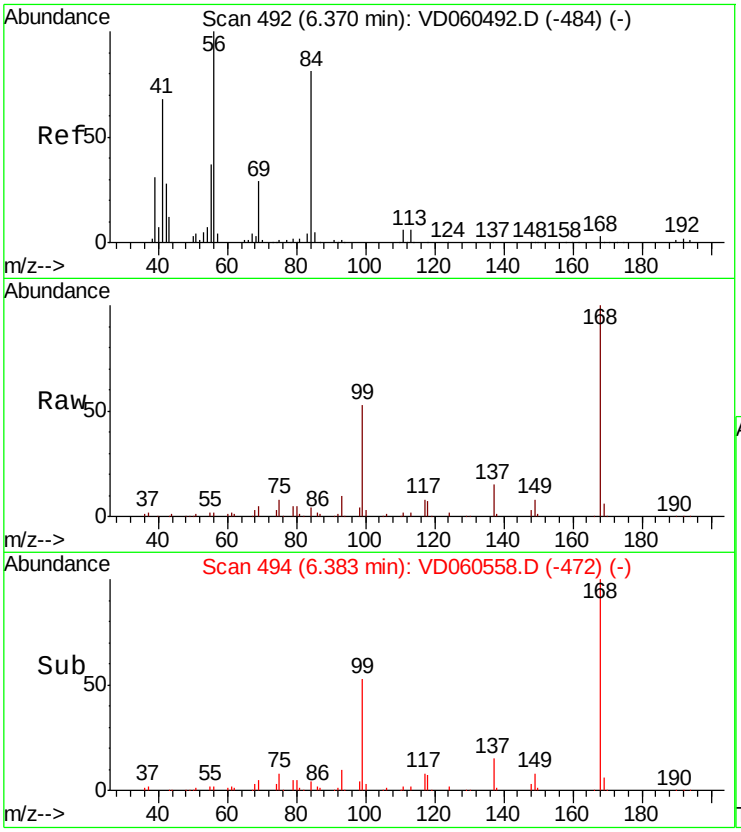


#25
2-Butanone
Concen: 3.009 ug/l
RT: 5.62 min Scan# 416
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion: 43 Resp: 9065

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.6	21.8#



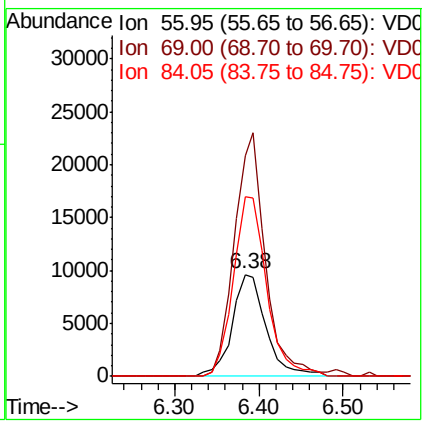


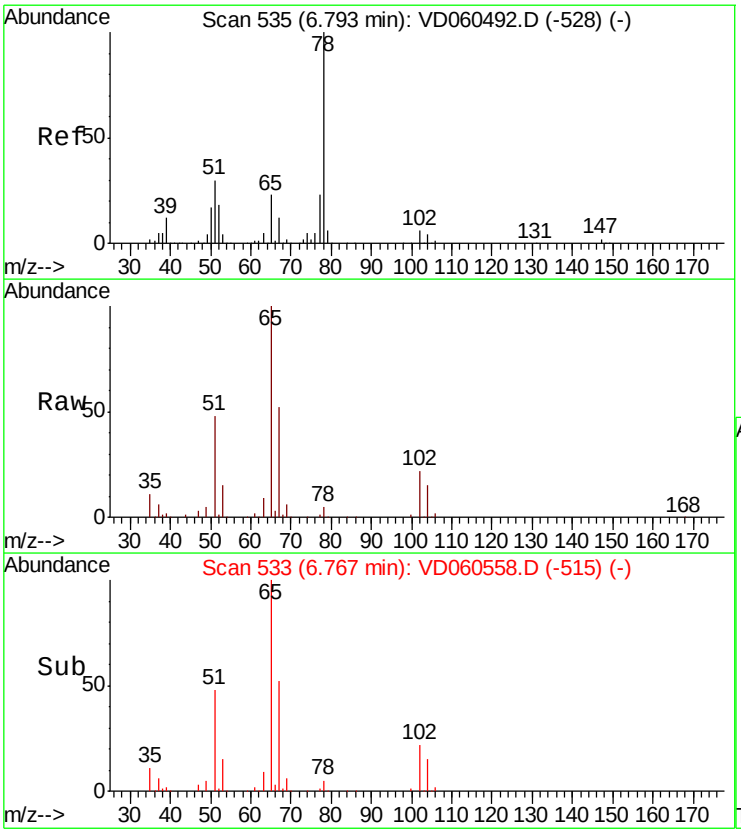
#31
Cyclohexane
Concen: Below Cal
RT: 6.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument : MSVOA_D
ClientSampleId : SU-04-121218-A

Tgt Ion: 56 Resp: 26854

Ion	Ratio	Lower	Upper
56	100		
69	216.6	22.8	34.2#
84	176.4	65.1	97.7#

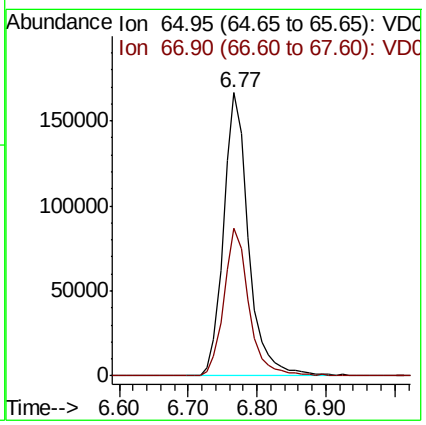


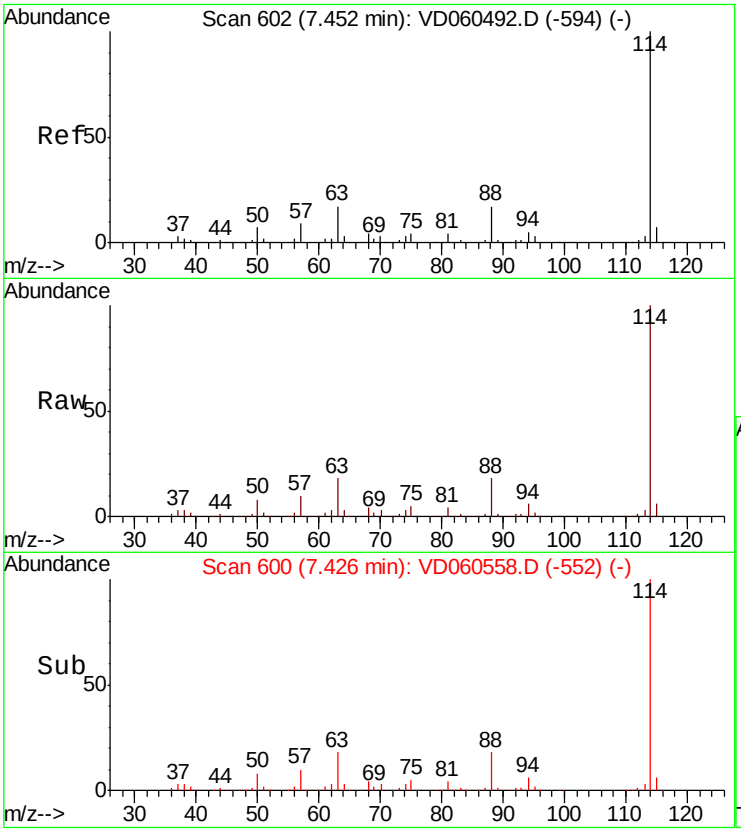


#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion: 65 Resp: 416501

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.8



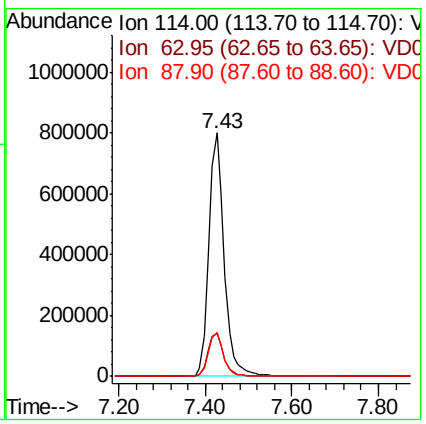


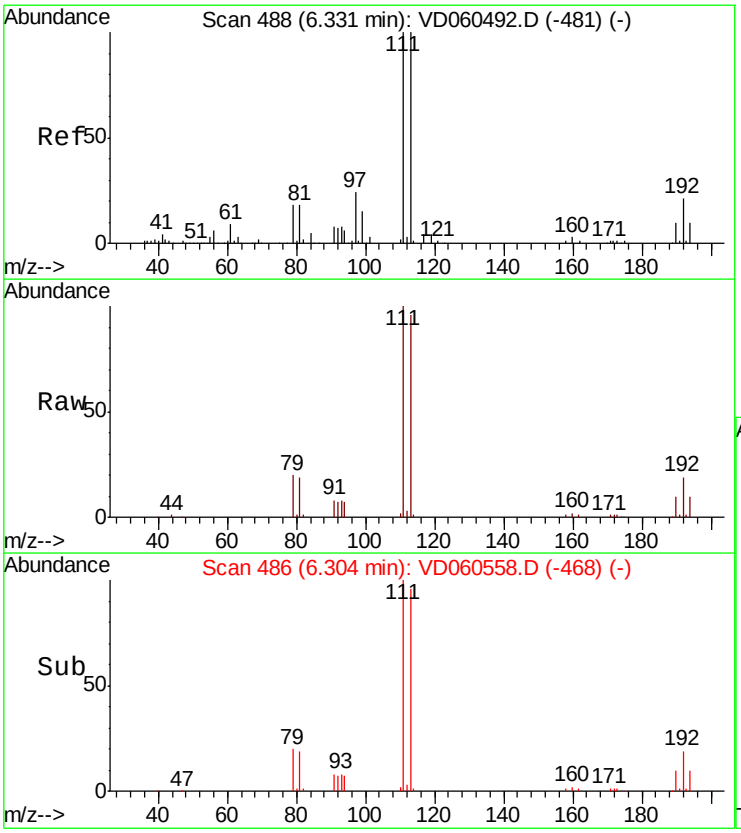
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.43 min Scan# 600
Delta R.T. -0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tgt Ion:114 Resp: 1963974

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	34.2
88	18.0	0.0	35.0

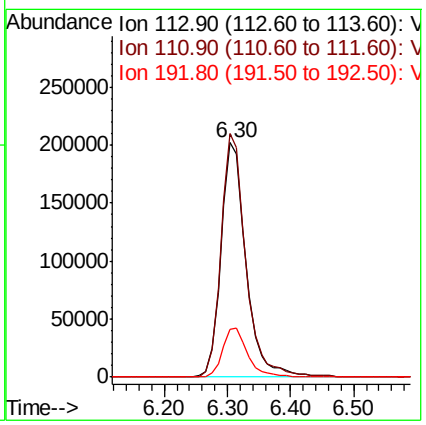


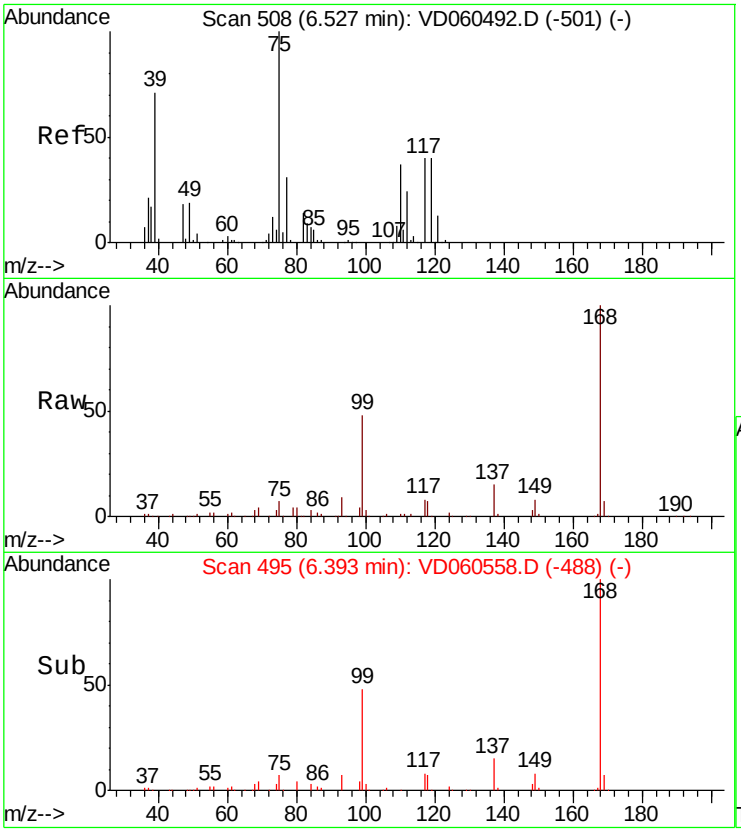


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 486
Delta R.T. -0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:113 Resp: 556688

Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.2	120.4
192	20.2	16.6	24.8



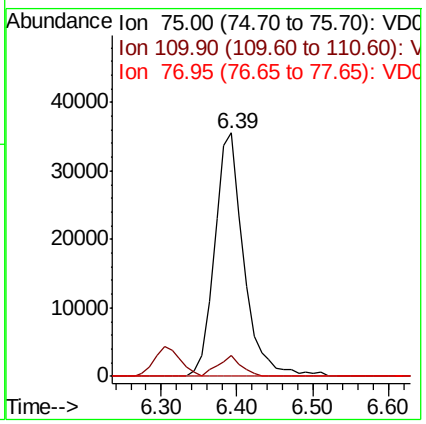


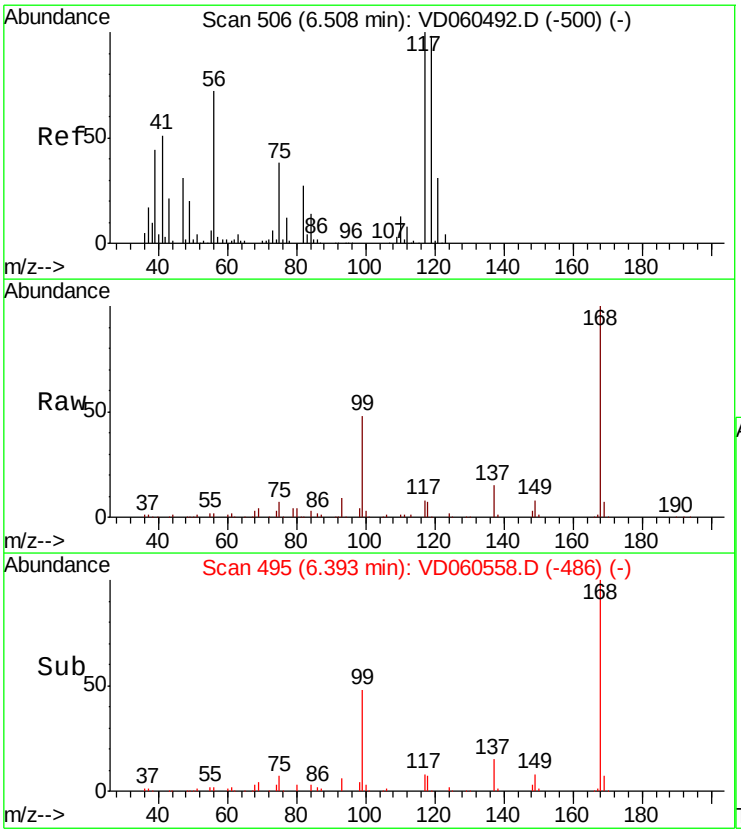
#36
1,1-Dichloropropene
Concen: 4.938 ug/l
RT: 6.39 min Scan# 495
Delta R.T. -0.13 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument : MSVOA_D
ClientSampleId : SU-04-121218-A

Tgt Ion: 75 Resp: 94792

Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.3	54.8#
77	0.0	24.6	37.0#

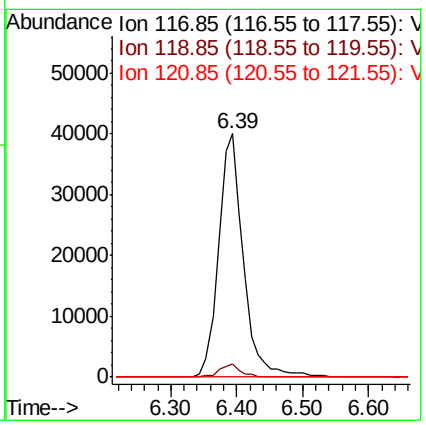


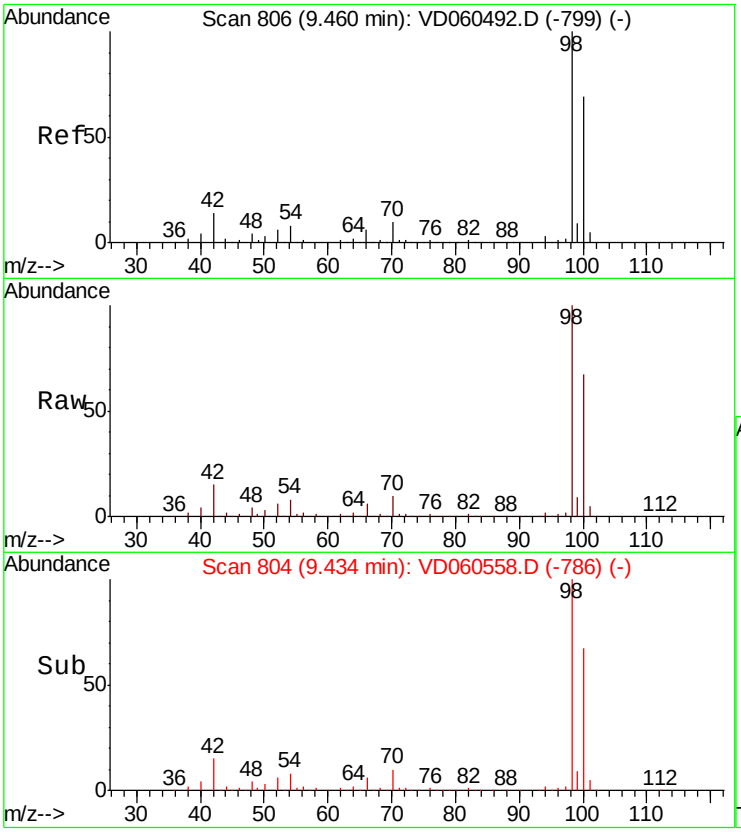


#38
Carbon Tetrachloride
Concen: 6.058 ug/l
RT: 6.39 min Scan# 495
Delta R.T. -0.11 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:117 Resp: 104404

Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.8	115.2#
121	0.0	24.4	36.6#



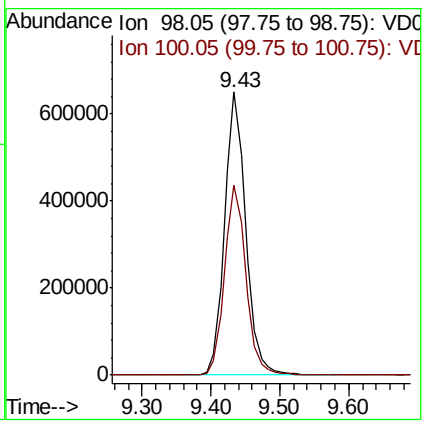


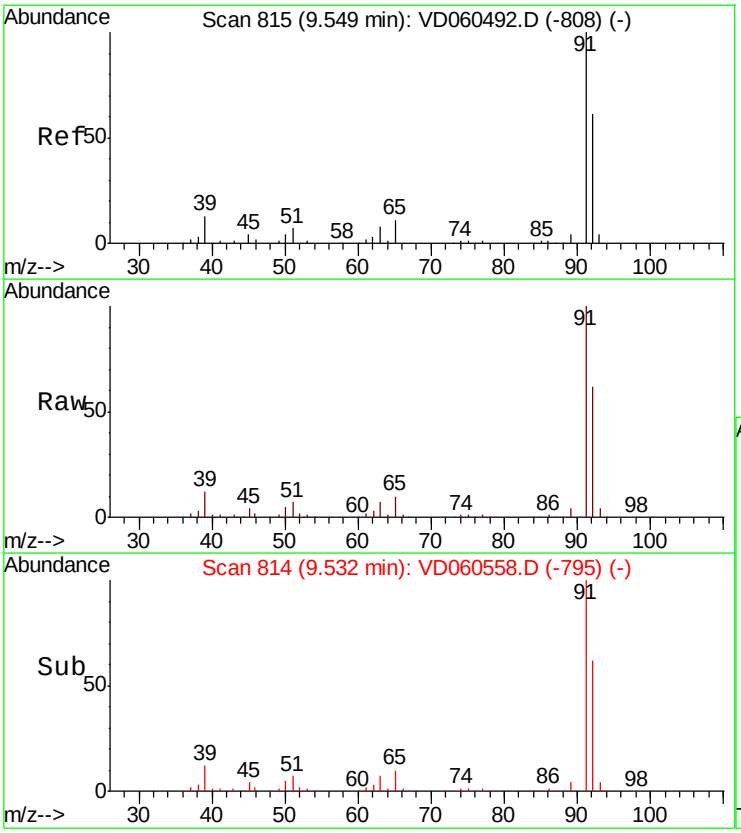
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tgt Ion: 98 Resp: 1380730

Ion	Ratio	Lower	Upper
98	100		
100	67.3	55.7	83.5

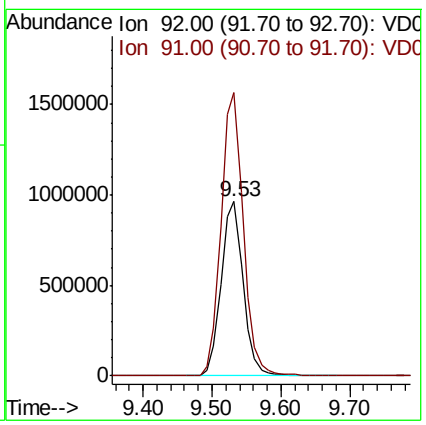


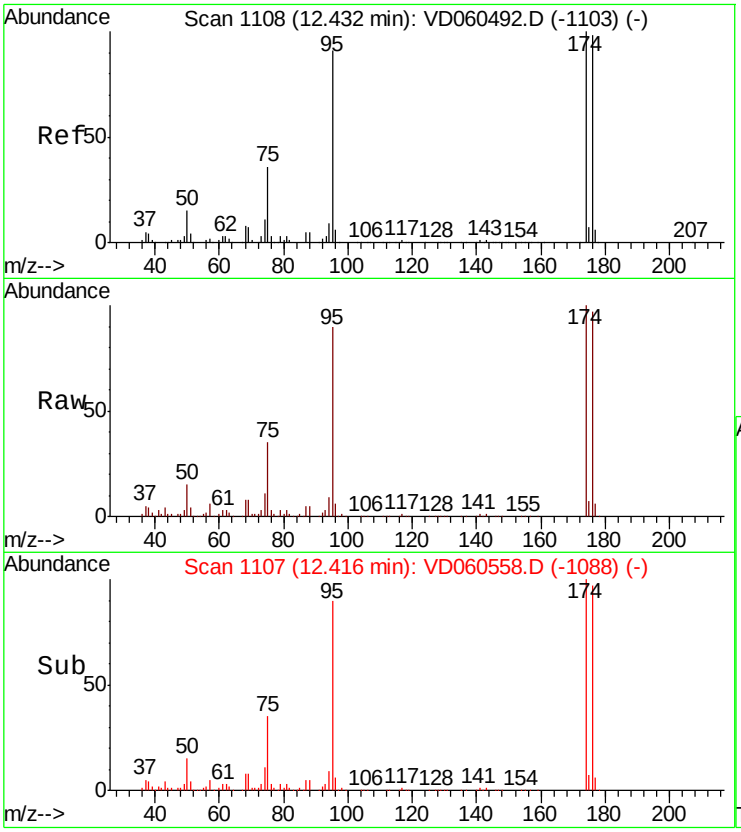


#52
Toluene
Concen: 69.513 ug/l
RT: 9.53 min Scan# 814
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion: 92 Resp: 2131638

Ion	Ratio	Lower	Upper
92	100		
91	162.4	131.7	197.5



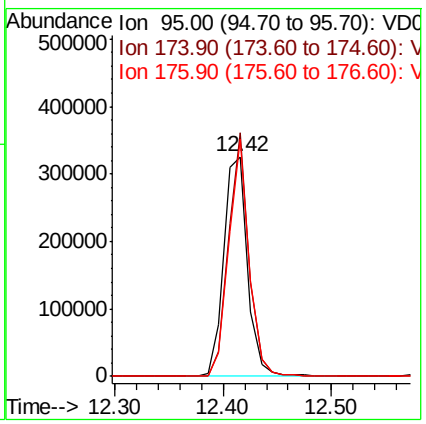


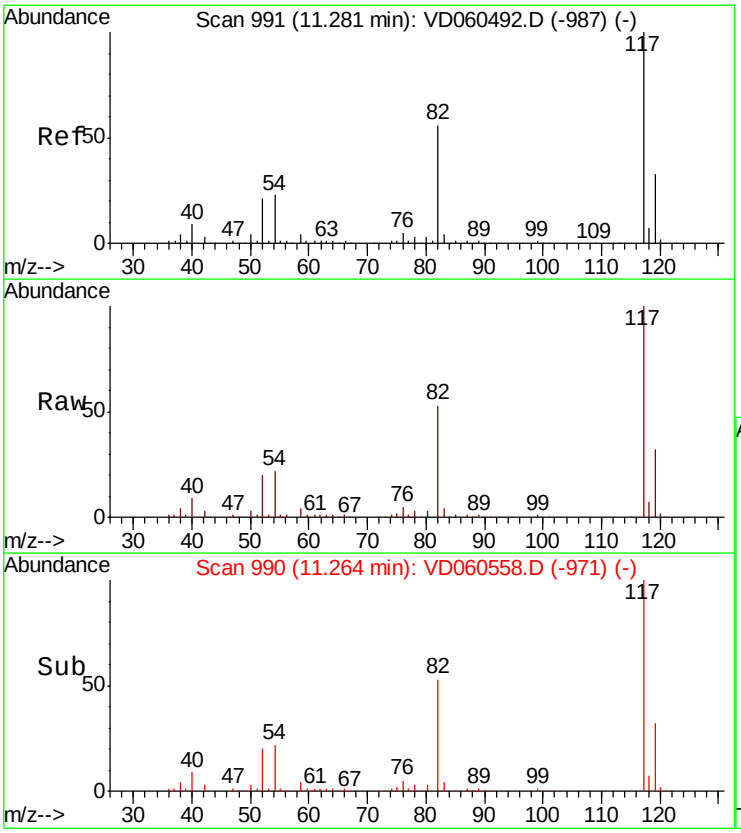
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument : MSVOA_D
ClientSampleId : SU-04-121218-A

Tgt Ion: 95 Resp: 500487

Ion	Ratio	Lower	Upper
95	100		
174	110.8	0.0	219.4
176	107.7	0.0	214.6

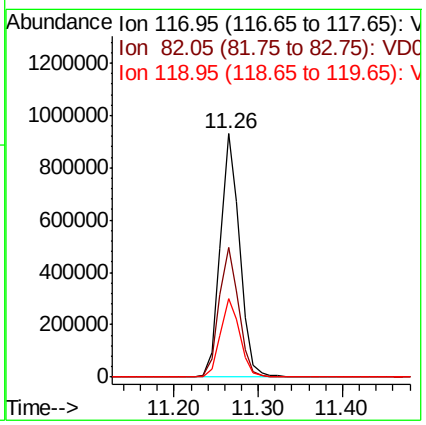


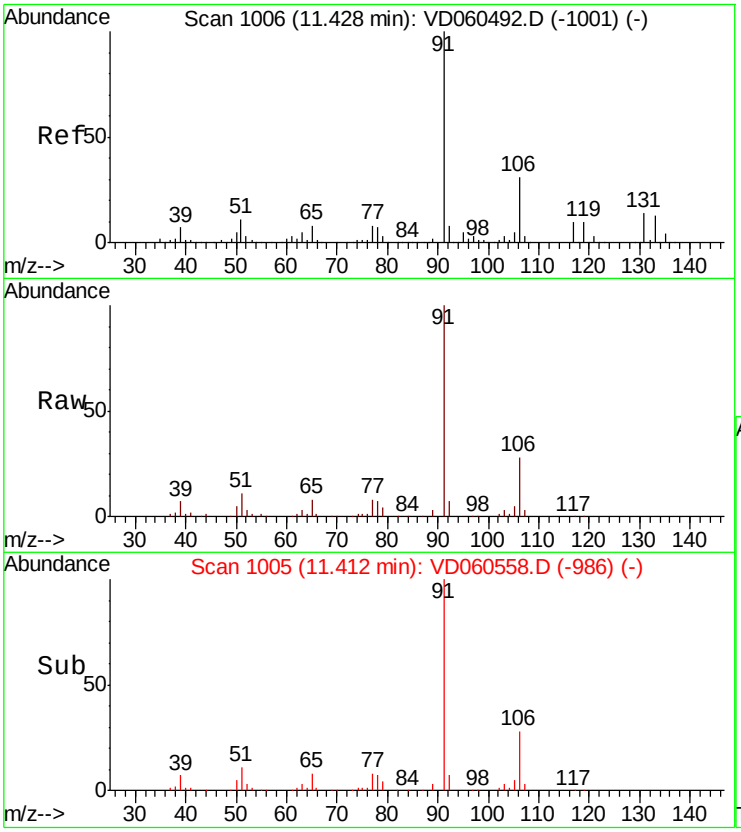


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:117 Resp: 1476993

Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.2	67.8
119	32.2	26.1	39.1



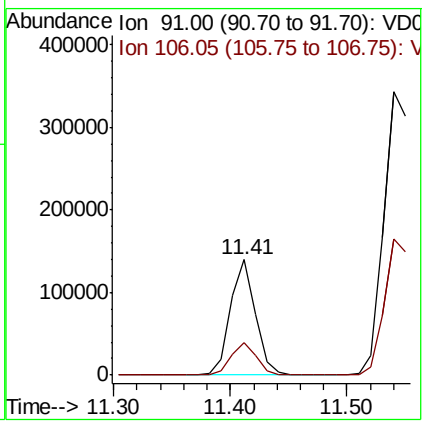


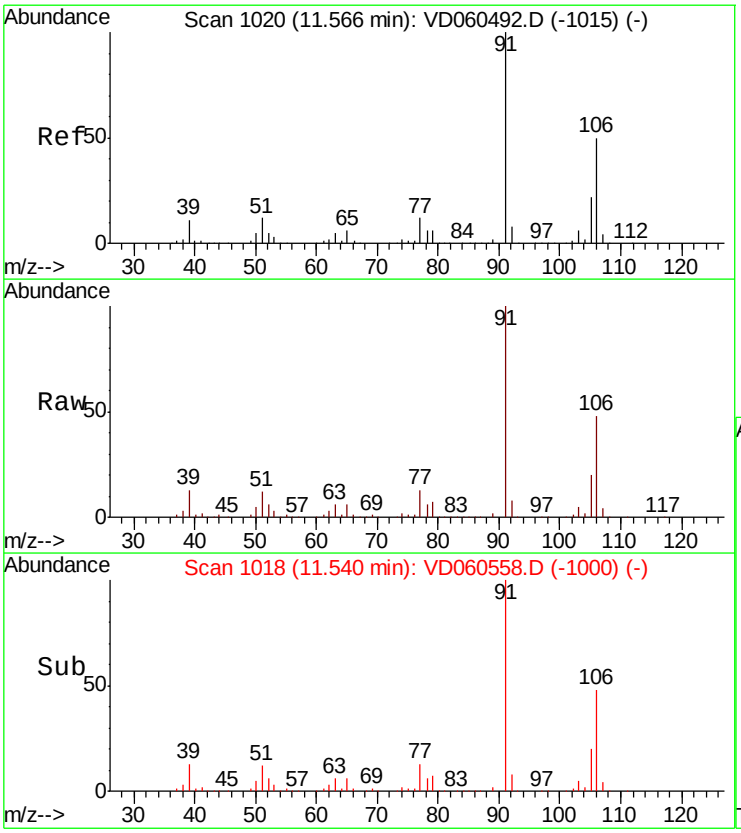
#67
Ethyl Benzene
Concen: 3.918 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tgt Ion: 91 Resp: 208817

Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.6	37.0

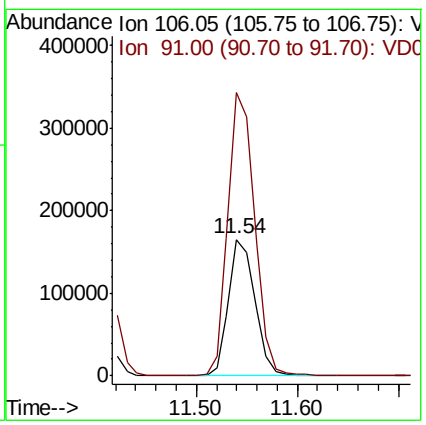


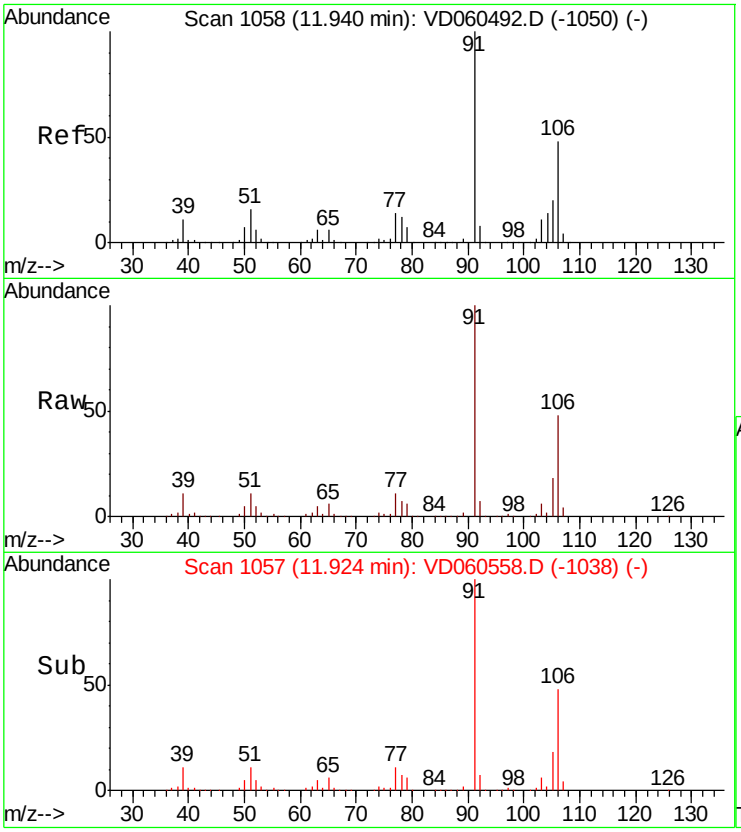


#68
m/p-Xylenes
Concen: 15.216 ug/l
RT: 11.54 min Scan# 1018
Delta R.T. -0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:106 Resp: 300016

Ion	Ratio	Lower	Upper
106	100		
91	207.6	160.5	240.7



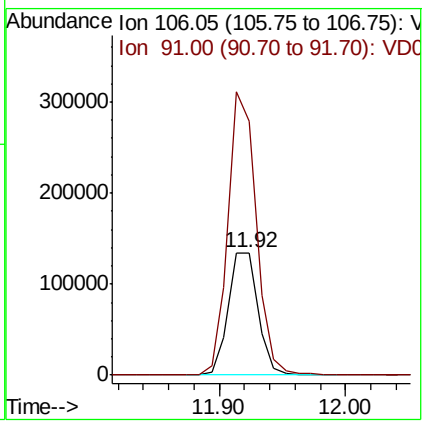


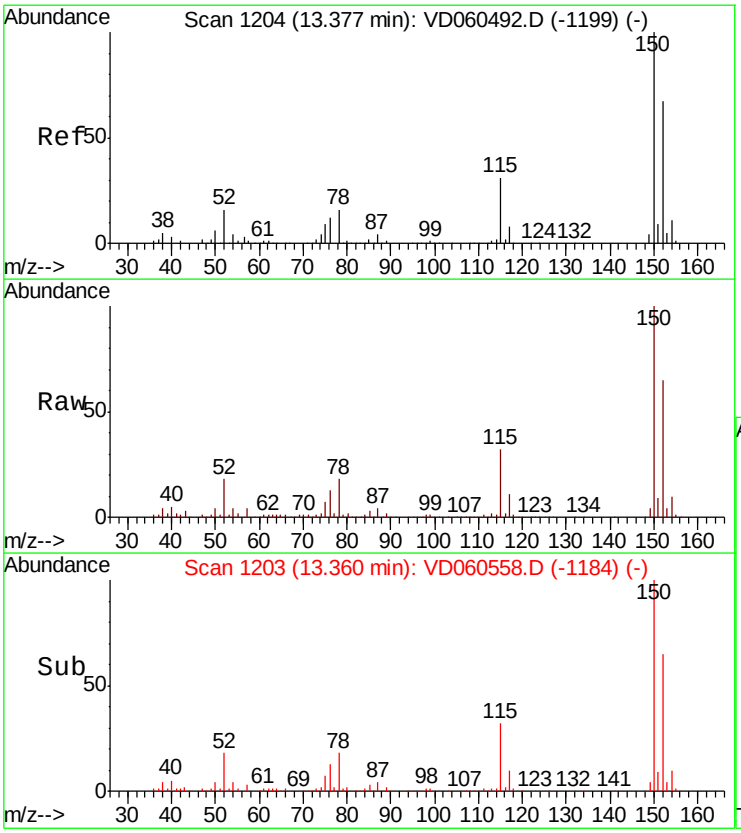
#69
o-Xylene
Concen: 11.639 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tgt Ion:106 Resp: 218712

Ion	Ratio	Lower	Upper
106	100		
91	207.4	103.4	310.1

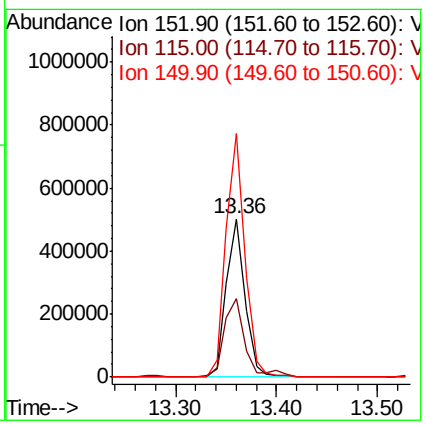


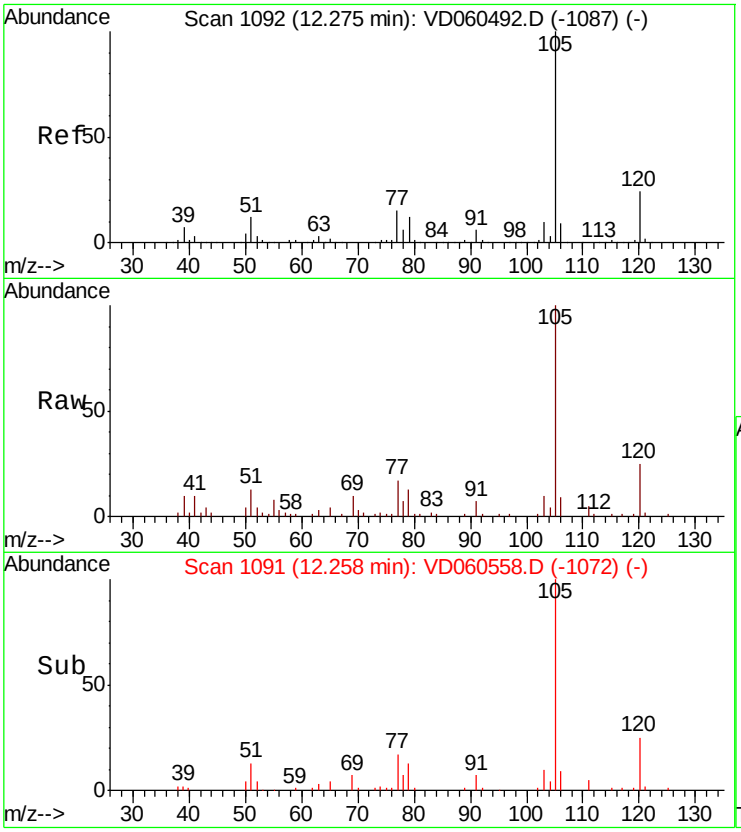


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:152 Resp: 649727

Ion	Ratio	Lower	Upper
152	100		
115	49.9	24.6	74.0
150	153.7	0.0	309.0



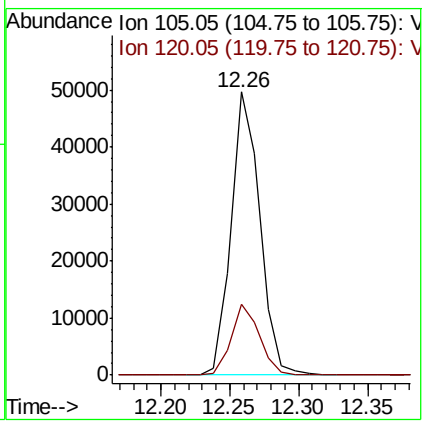


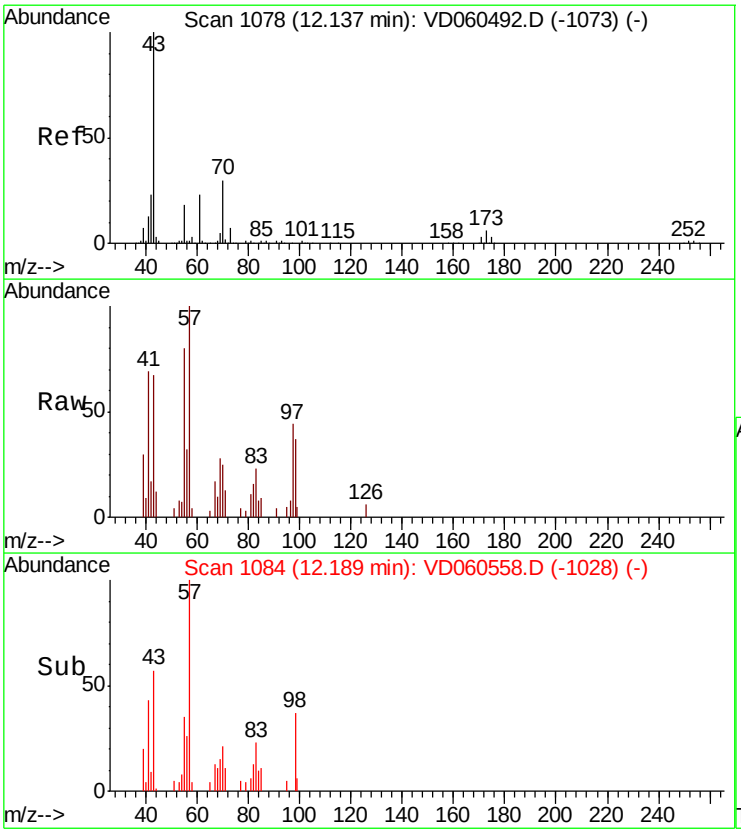
#73
Isopropylbenzene
Concen: 1.567 ug/l
RT: 12.26 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument : MSVOA_D
ClientSampleId : SU-04-121218-A

Tgt Ion:105 Resp: 72035

Ion	Ratio	Lower	Upper
105	100		
120	24.9	11.9	35.9

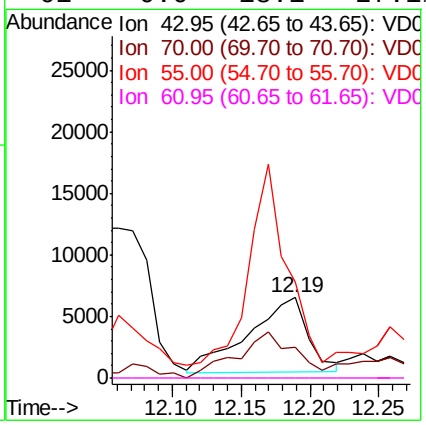


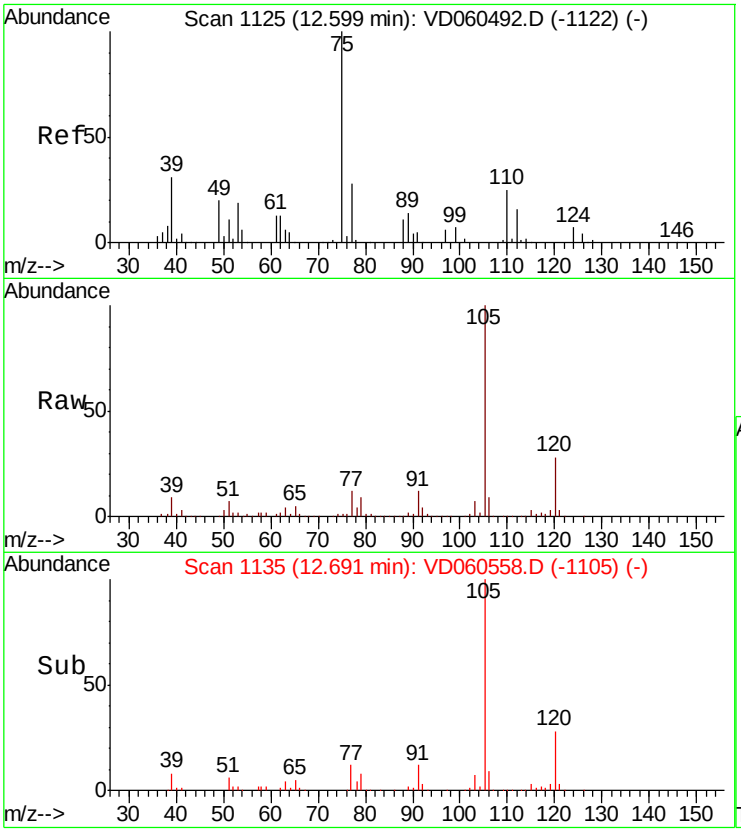


#74
N-amyl acetate
Concen: 1.675 ug/l
RT: 12.19 min Scan# 1084
Delta R.T. 0.05 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion: 43 Resp: 18615

Ion	Ratio	Lower	Upper
43	100		
70	37.7	23.8	35.8#
55	120.1	14.2	21.2#
61	0.0	18.1	27.1#



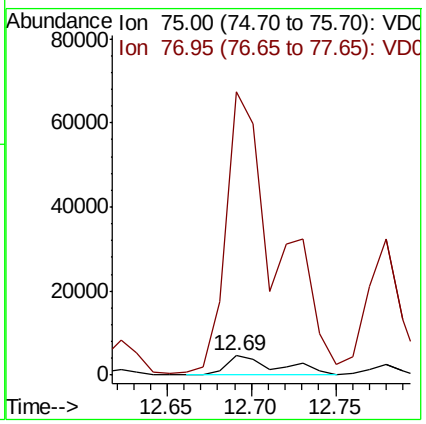


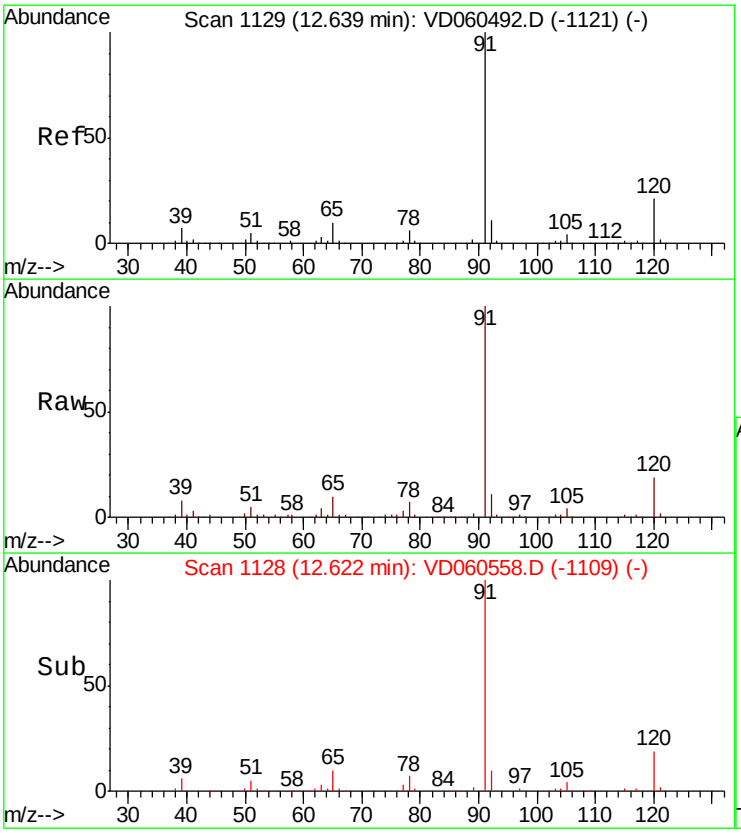
#76
1,2,3-Trichloropropane
Concen: 1.323 ug/l
RT: 12.69 min Scan# 1135
Delta R.T. 0.09 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tgt Ion: 75 Resp: 9736

Ion	Ratio	Lower	Upper
75	100		
77	1474.5	16.4	49.4#

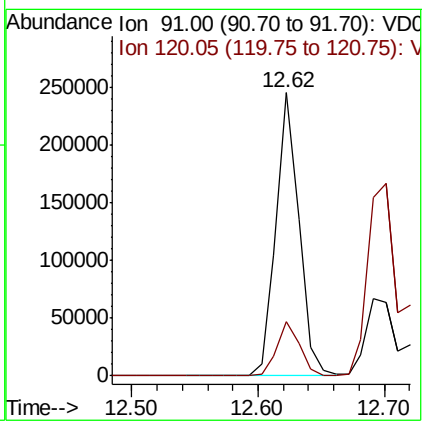


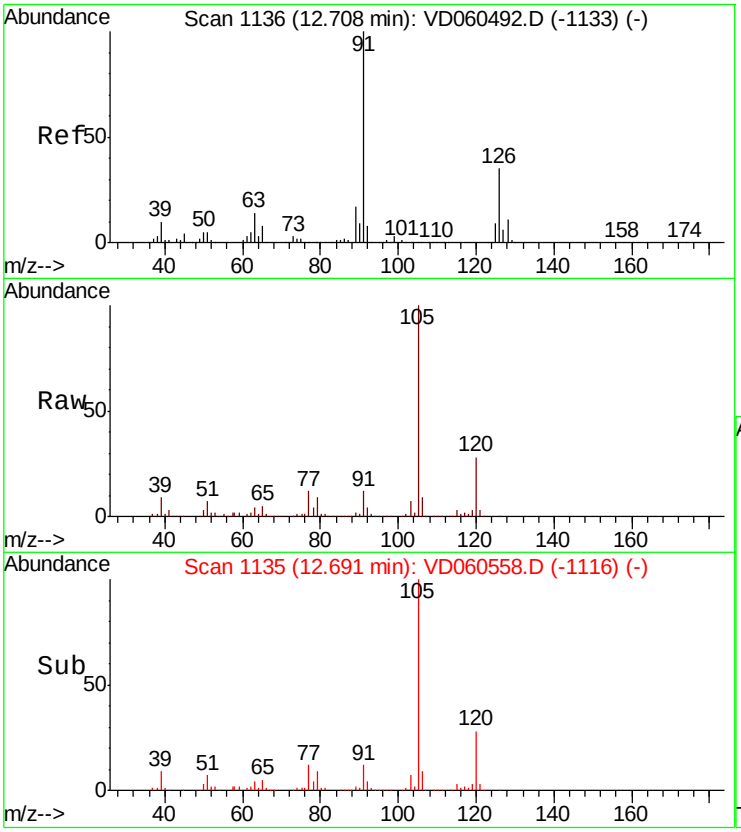


#78
n-propylbenzene
Concen: 5.377 ug/l
RT: 12.62 min Scan# 1128
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion: 91 Resp: 312510

Ion	Ratio	Lower	Upper
91	100		
120	19.2	10.4	31.1



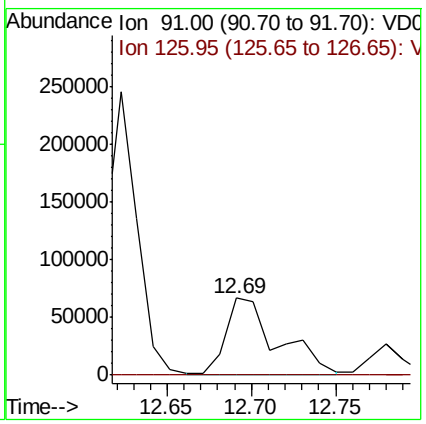


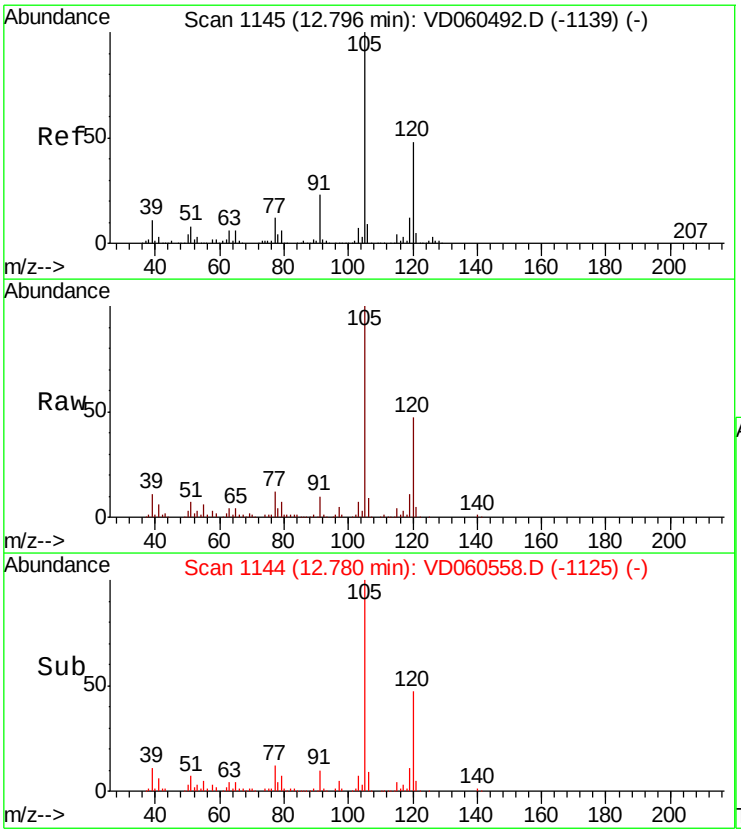
#79
2-Chlorotoluene
Concen: 4.508 ug/l
RT: 12.69 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument : MSVOA_D
ClientSampleId : SU-04-121218-A

Tgt Ion: 91 Resp: 142184

Ion	Ratio	Lower	Upper
91	100		
126	0.5	17.3	52.0#

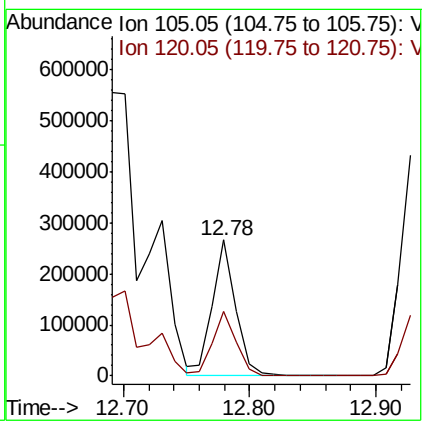


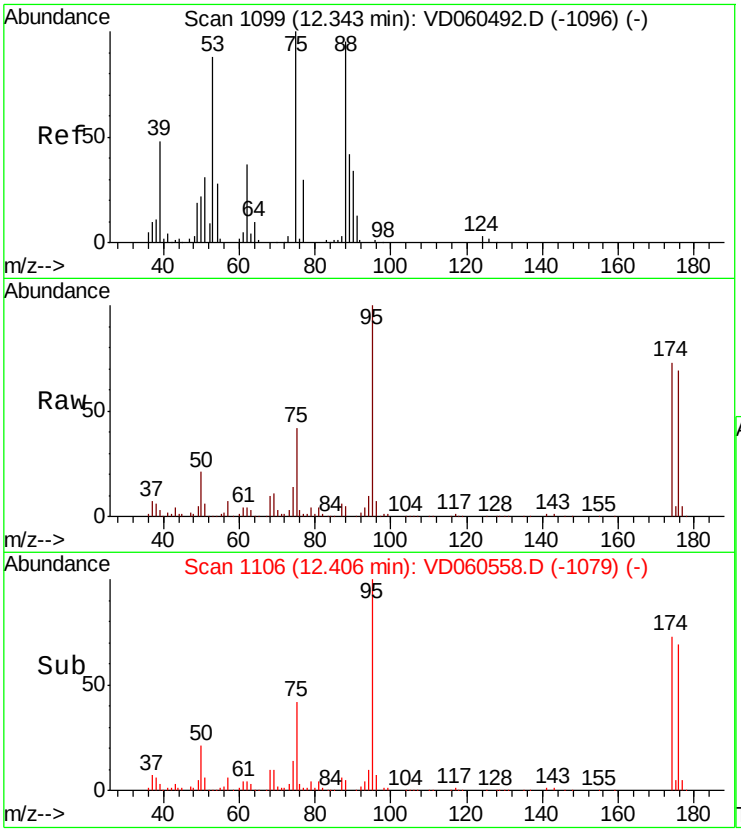


#80
1,3,5-Trimethylbenzene
Concen: 9.758 ug/l
RT: 12.78 min Scan# 1144
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:105 Resp: 342819

Ion	Ratio	Lower	Upper
105	100		
120	47.0	24.2	72.6



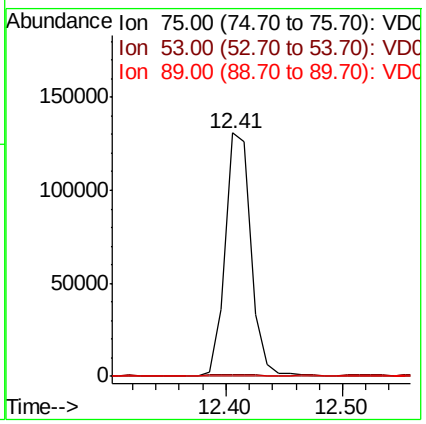


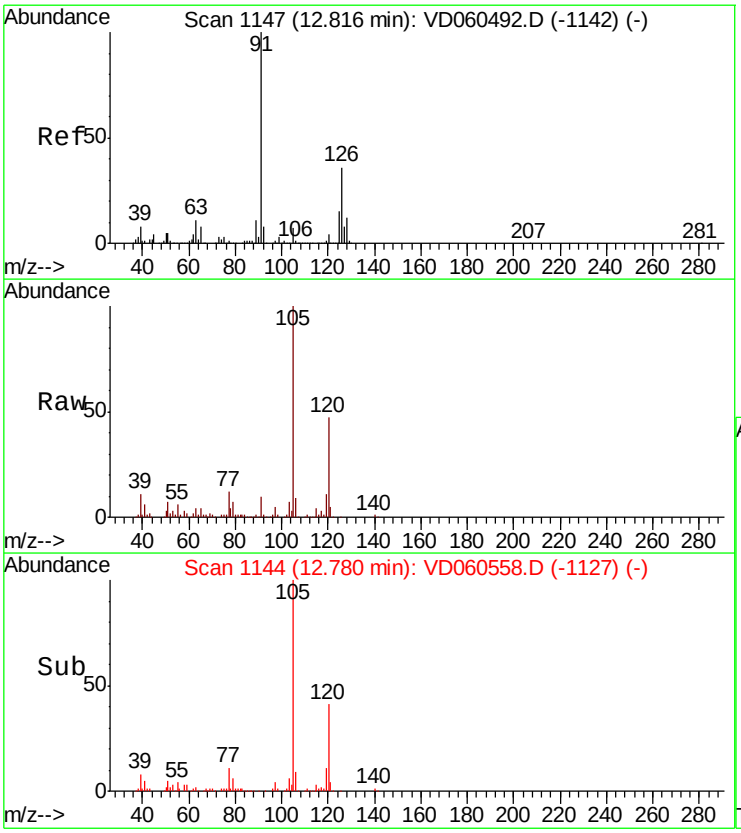
#81
trans-1,4-Dichloro-2-butene
Concen: 97.443 ug/l
RT: 12.41 min Scan# 1106
Delta R.T. 0.06 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tgt Ion: 75 Resp: 200073

Ion	Ratio	Lower	Upper
75	100		
53	0.6	70.5	105.7#
89	0.0	33.6	50.4#

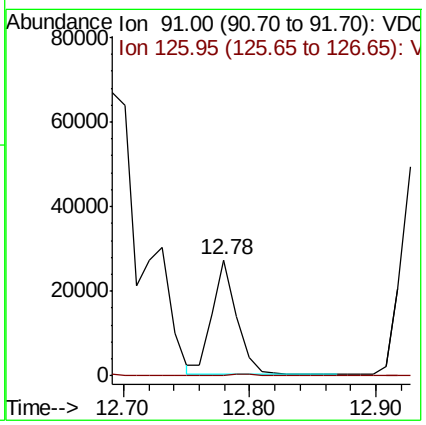


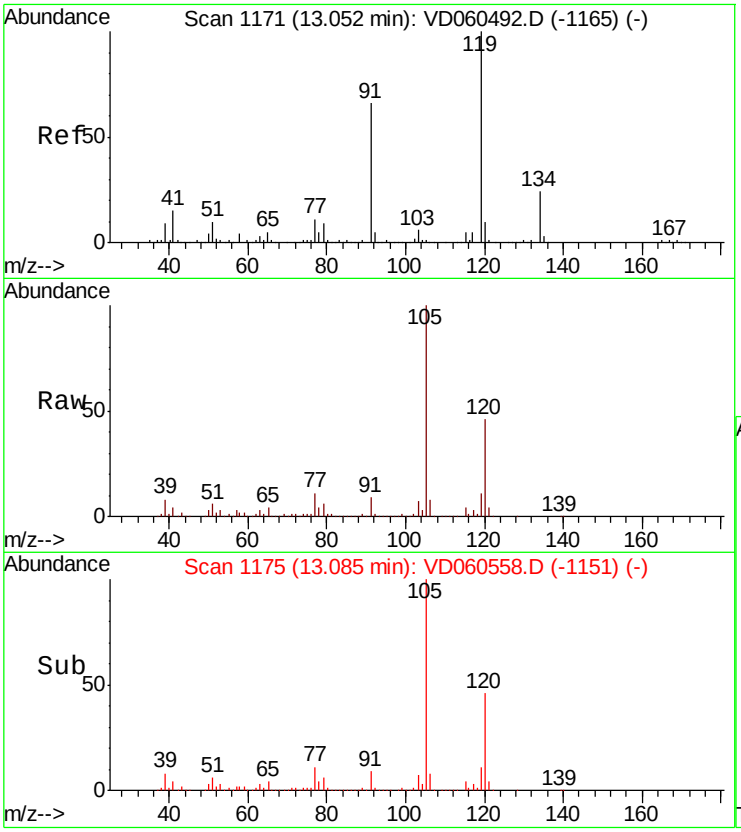


#82
4-Chlorotoluene
Concen: 1.052 ug/l
RT: 12.78 min Scan# 1144
Delta R.T. -0.04 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion: 91 Resp: 37279

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.8	53.4#



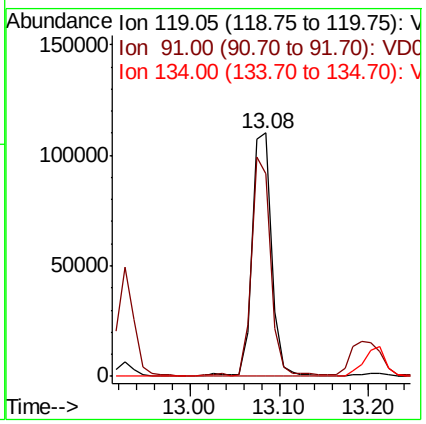


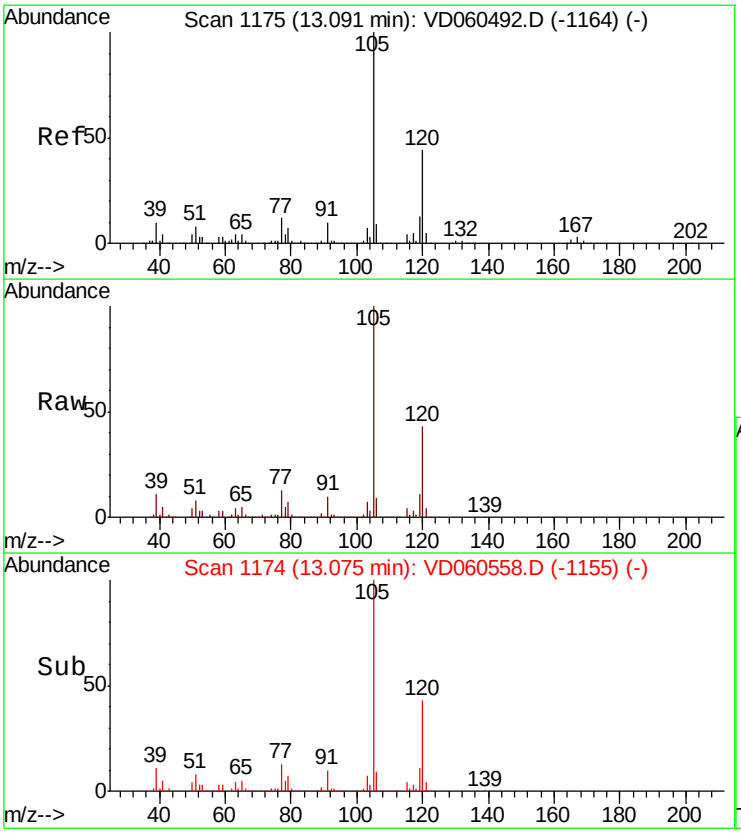
#83
tert-Butylbenzene
Concen: 4.172 ug/l
RT: 13.08 min Scan# 1175
Delta R.T. 0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tgt Ion:119 Resp: 164346

Ion	Ratio	Lower	Upper
119	100		
91	83.4	33.1	99.2
134	0.0	12.0	36.0#

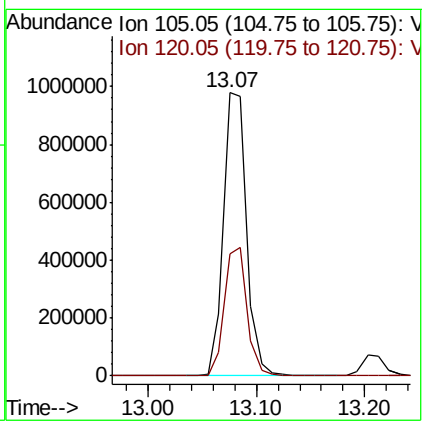


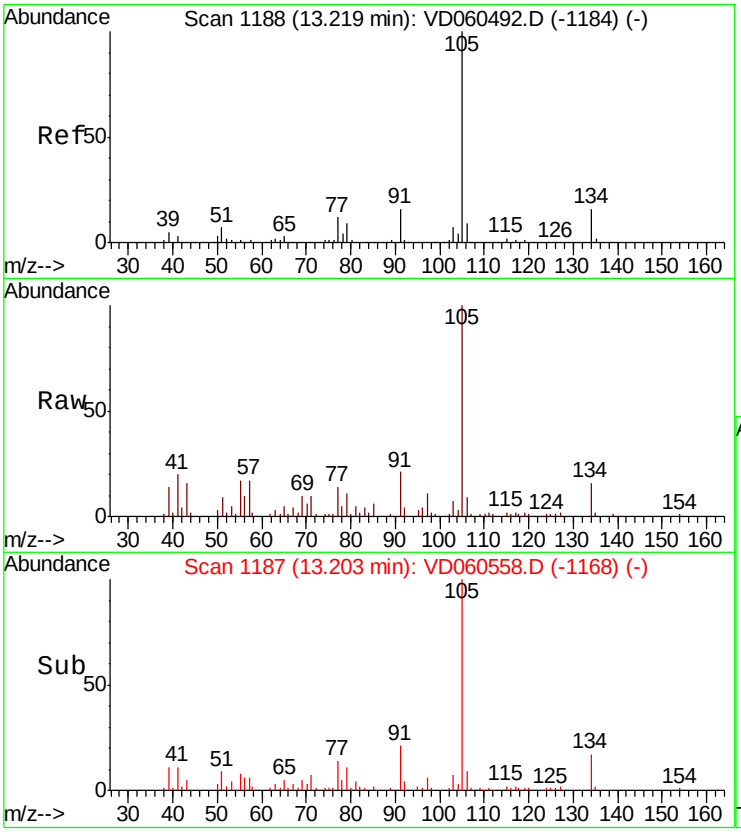


#84
1,2,4-Trimethylbenzene
Concen: 40.045 ug/l
RT: 13.07 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:105 Resp: 1456726

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.3	66.8



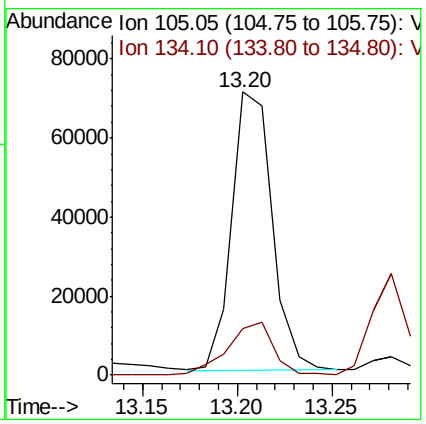


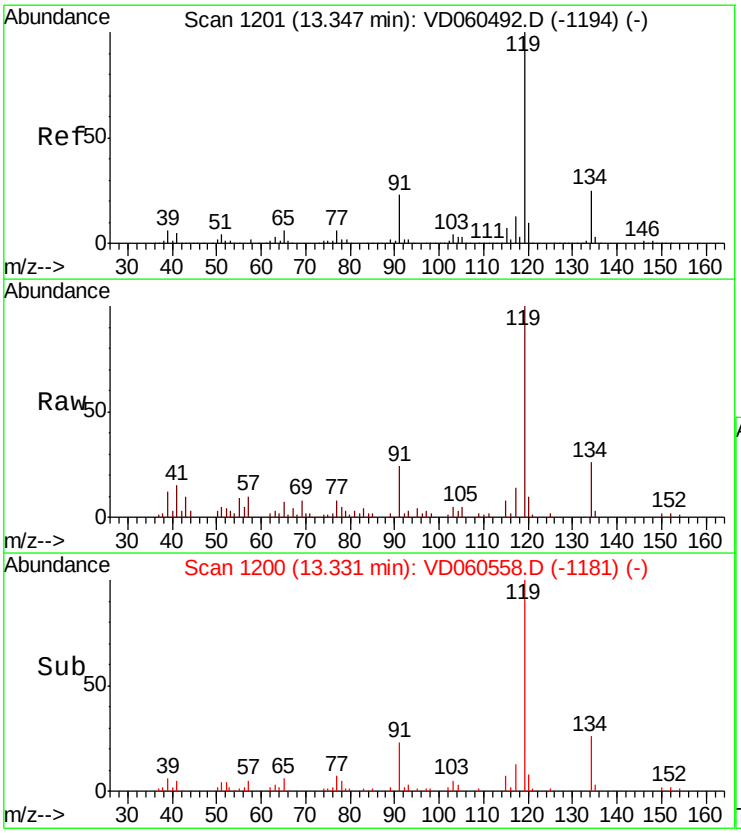
#85
sec-Butylbenzene
Concen: 2.118 ug/l
RT: 13.20 min Scan# 1187
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tgt Ion:105 Resp: 103995

Ion	Ratio	Lower	Upper
105	100		
134	16.4	7.9	23.7

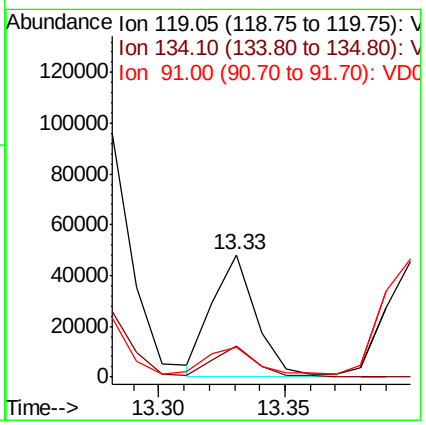


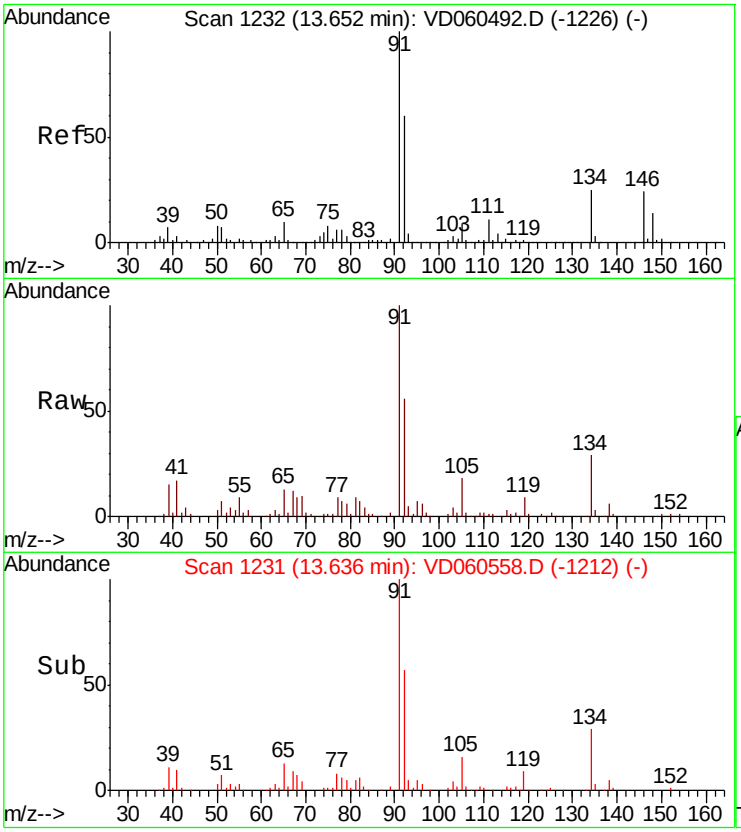


#86
p-Isopropyltoluene
Concen: 1.509 ug/l
RT: 13.33 min Scan# 1200
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:119 Resp: 58739

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.5	37.5
91	24.4	11.5	34.4



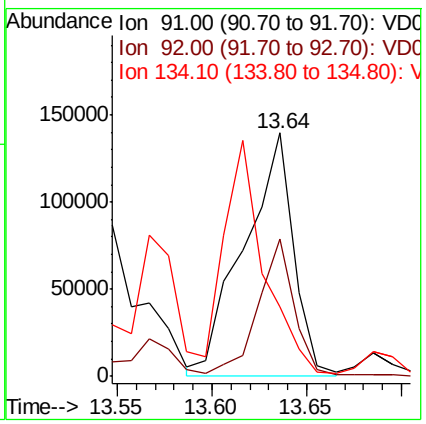


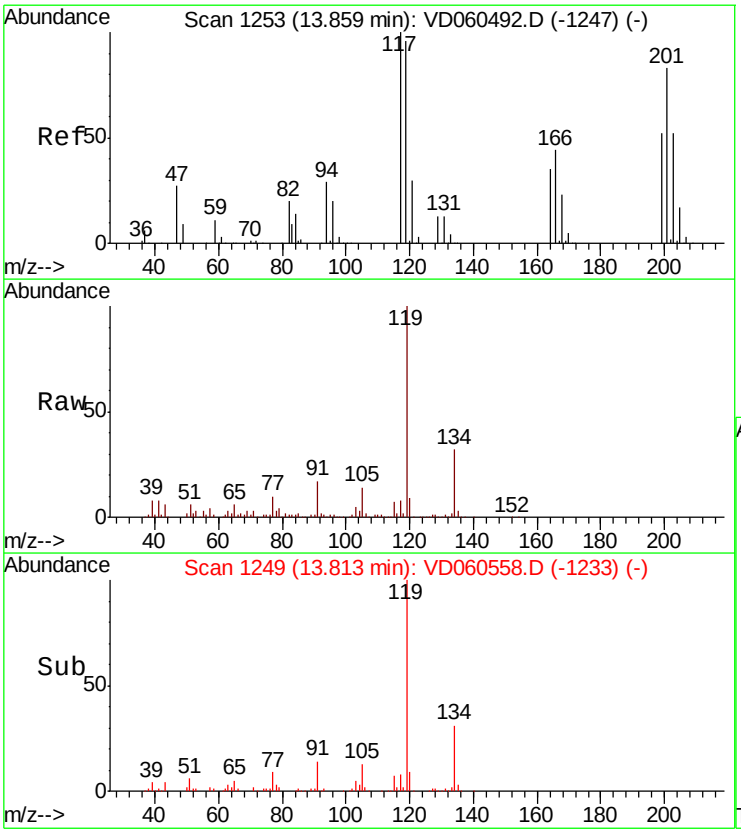
#89
n-Butylbenzene
Concen: 5.401 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument : MSVOA_D
ClientSampleId : SU-04-121218-A

Tgt Ion: 91 Resp: 251855

Ion	Ratio	Lower	Upper
91	100		
92	56.5	30.0	90.1
134	28.7	12.5	37.5

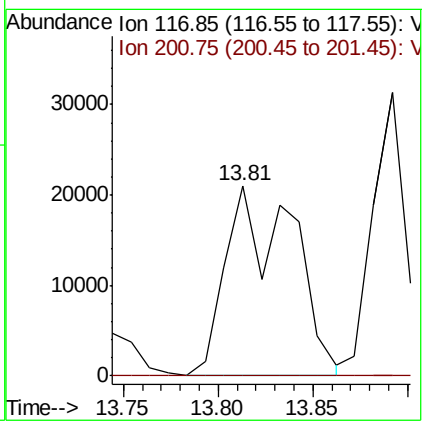


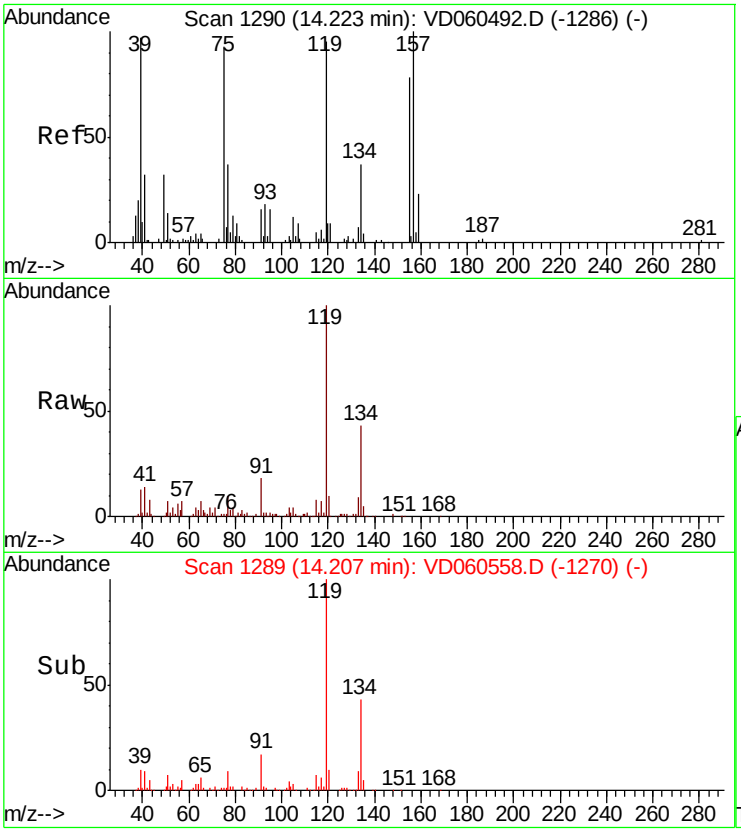


#90
Hexachloroethane
Concen: 5.249 ug/l
RT: 13.81 min Scan# 1249
Delta R.T. -0.05 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:117 Resp: 51219

Ion	Ratio	Lower	Upper
117	100		
201	0.0	41.3	123.9#



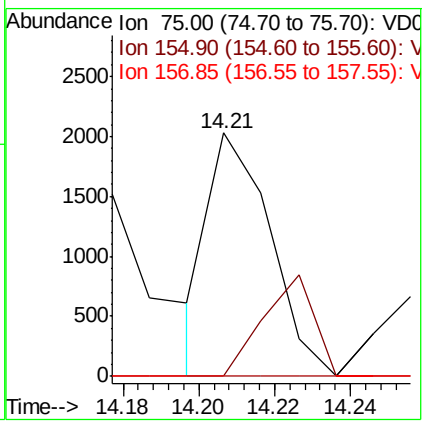


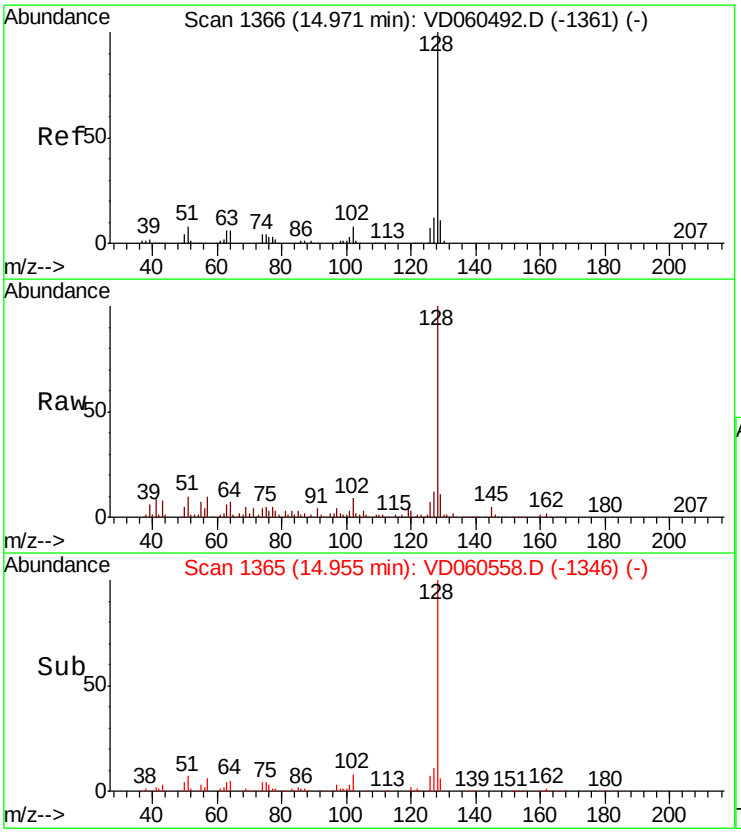
#92
1,2-Dibromo-3-Chloropropane
Concen: 2.561 ug/l
RT: 14.21 min Scan# 1289
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument : MSVOA_D
ClientSampleId : SU-04-121218-A

Tgt Ion: 75 Resp: 2284

Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.6	124.9#
157	0.0	53.6	160.8#





#95
Naphthalene
Concen: 18.711 ug/l
RT: 14.95 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:128 Resp: 311170

Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.8
129	11.5	8.6	13.0