Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD062318\
Data File : VD058351.D
Acq On : 23 Jun 2018 20:04
Operator : VA/AP
Sample : J3671-02
Misc : 6.94g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DUP-0477-180621

Quant Time: Jun 25 08:30:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.67	168	900829	50.00	ug/l		0.03
34) 1,4-Difluorobenzene	6.71	114	1179239	50.00	ug/l		0.02
63) Chlorobenzene-d5	10.70	117	914822	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	464588	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	6.03	65	330878	36.36	ug/l		0.02
Spiked Amount 50.000			Recovery = 72.72%				
35) Dibromofluoromethane	5.57	113	347045	36.16	ug/l		0.02
Spiked Amount 50.000			Recovery = 72.32%				
50) Toluene-d8	8.72	98	823685	35.47	ug/l		0.00
Spiked Amount 50.000			Recovery = 70.94%				
62) 4-Bromofluorobenzene	11.94	95	335584	35.38	ug/l		0.00
Spiked Amount 50.000			Recovery = 70.76%				
Target Compounds							Qvalue
4) Vinyl Chloride	1.57	62	4535529	961.11	ug/l		98
6) Chloroethane	1.91	64	26433	14.52	ug/l		93
12) 1,1-Dichloroethene	2.57	96	4426	1.43	ug/l	#	66
16) Acetone	2.62	43	149022	119.76	ug/l	#	91
17) Carbon Disulfide	2.77	76	109187	10.37	ug/l		96
18) Methyl Acetate	2.95	43	8874	3.34	ug/l	#	86
20) Methylene Chloride	3.09	84	35014	6.65	ug/l		96
21) trans-1,2-Dichloroethene	3.40	96	106509	31.49	ug/l		91
24) 1,1-Dichloroethane	3.99	63	69915	4.54	ug/l		99
27) cis-1,2-Dichloroethene	4.83	96	8445313	999.17	ug/l		93
39) Methylcyclohexane	7.30	83	131284	11.55	ug/l		99
40) Benzene	6.03	78	282795	10.18	ug/l		100
42) 1,2-Dichloroethane	6.14	62	19248	1.72	ug/l		99
44) Trichloroethene	7.00	130	249512	29.90	ug/l		97
51) 4-Methyl-2-Pentanone	8.61	43	81549	14.11	ug/l		95
52) Toluene	8.82	92	1946301	123.00	ug/l		98
65) Chlorobenzene	10.74	112	1507792	88.11	ug/l		96
67) Ethyl Benzene	10.86	91	302079	10.00	ug/l		97
68) m/p-Xylenes	11.01	106	256936	25.50	ug/l		99
69) o-Xylene	11.42	106	50156	5.21	ug/l		86
73) Isopropylbenzene	11.78	105	163748	5.89	ug/l		97
78) n-propylbenzene	12.16	91	245790	6.85	ug/l		98
80) 1,3,5-Trimethylbenzene	12.32	105	329415	15.20	ug/l		97
83) tert-Butylbenzene	12.58	119	82741	3.32	ug/l		98
84) 1,2,4-Trimethylbenzene	12.63	105	473441	20.09	ug/l		97
85) sec-Butylbenzene	12.76	105	186649	6.39	ug/l		97
86) p-Isopropyltoluene	12.89	119	124640	5.27	ug/l		97
87) 1,3-Dichlorobenzene	12.84	146	138062	9.55	ug/l		93
88) 1,4-Dichlorobenzene	12.93	146	416478	29.49	ug/l		97
91) 1,2-Dichlorobenzene	13.20	146	802317	65.18	ug/l		96
95) Naphthalene	14.52	128	129468	8.35	ug/l		98

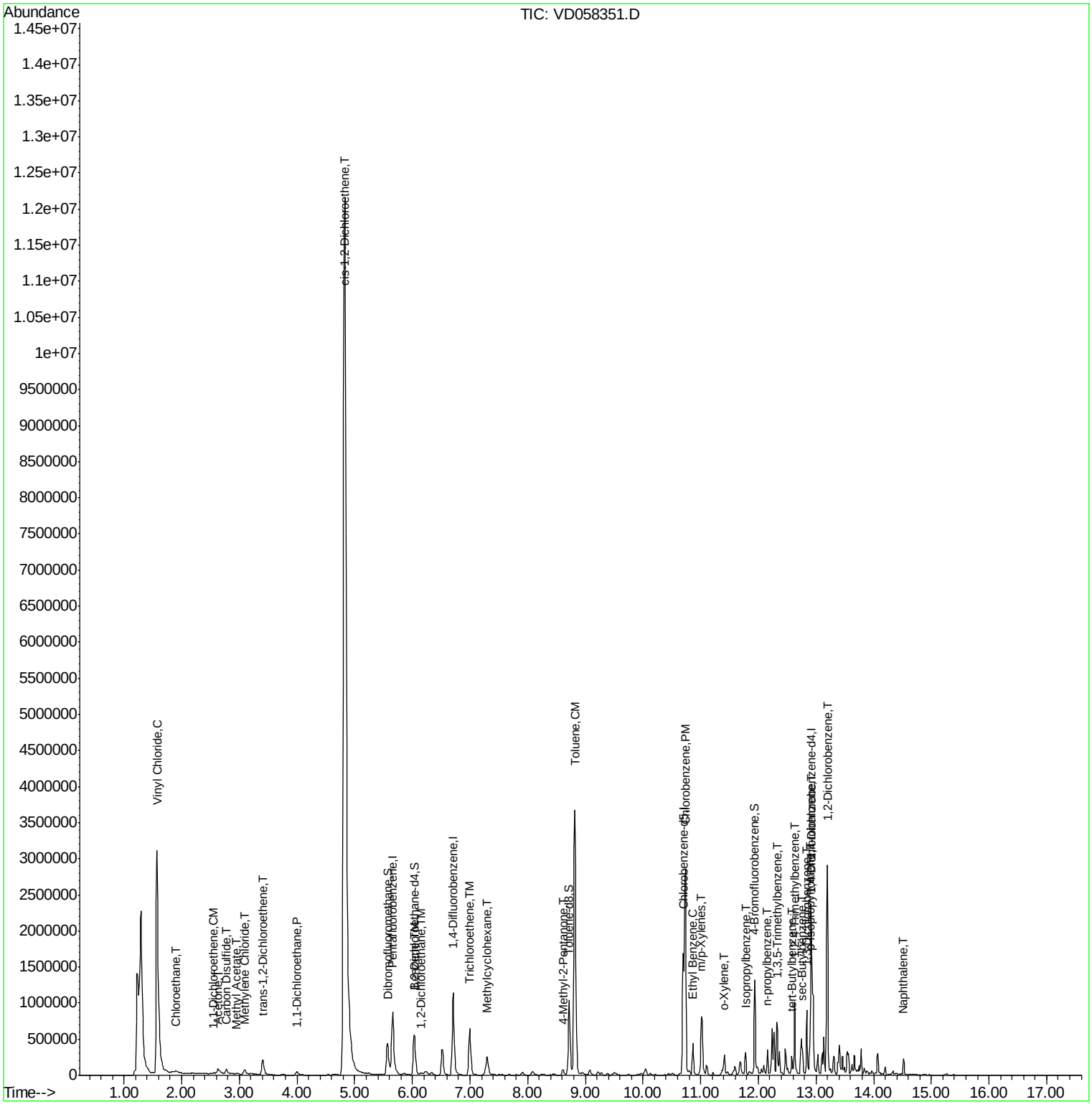
(#) = qualifier out of range (m) = manual integration (+) = signals summed

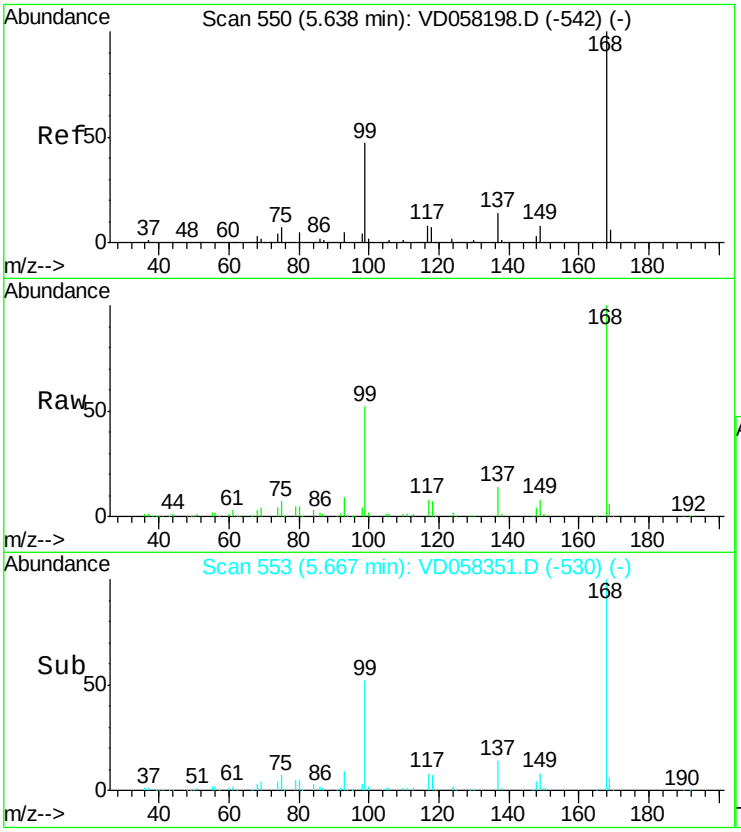
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
Data File : VD058351.D
Acq On : 23 Jun 2018 20:04
Operator : VA/AP
Sample : J3671-02
Misc : 6.94g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Quant Time: Jun 25 08:30:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration



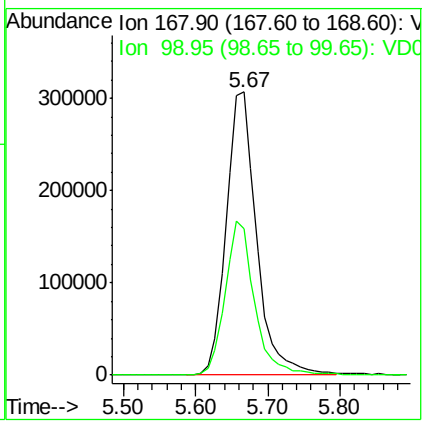


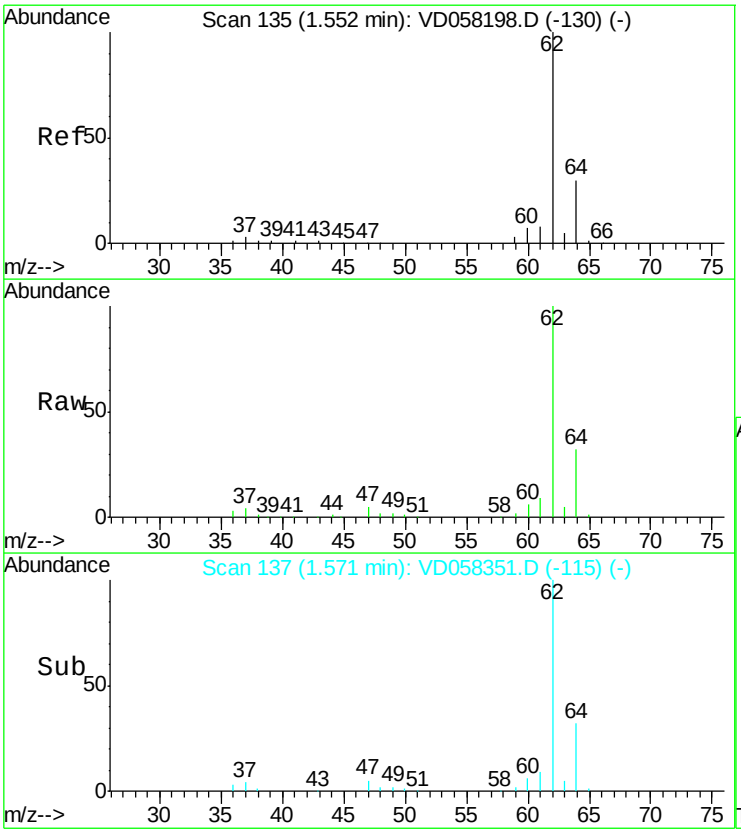
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 553
Delta R.T. 0.03 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion:168 Resp: 900829

Ion	Ratio	Lower	Upper
168	100		
99	51.6	41.1	61.7

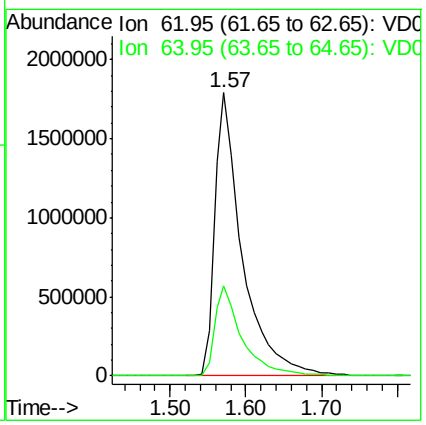


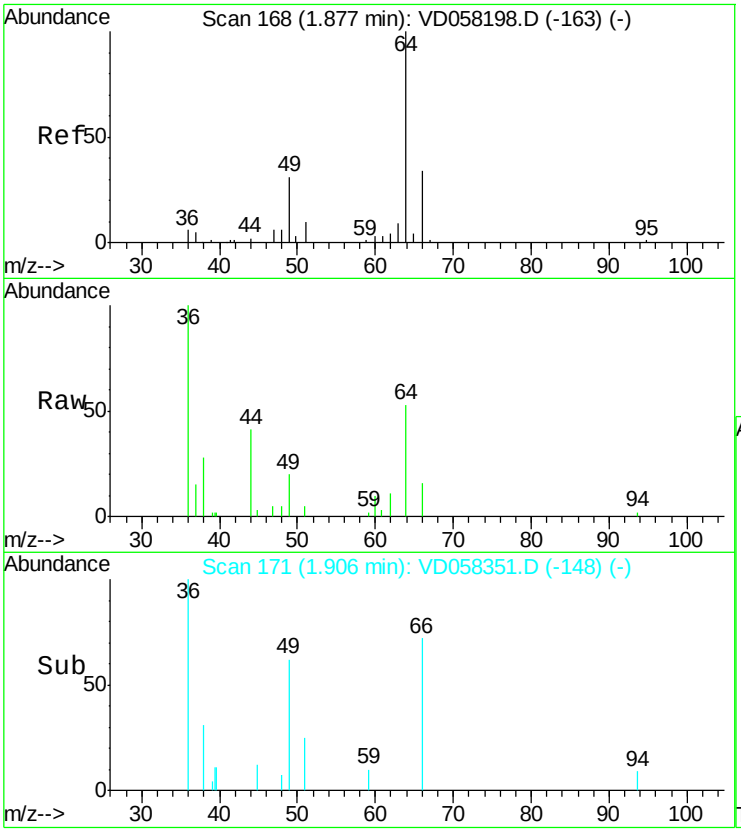


#4
Vinyl Chloride
Concen: 961.11 ug/l
RT: 1.57 min Scan# 137
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion: 62 Resp: 4535529

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.4	36.6



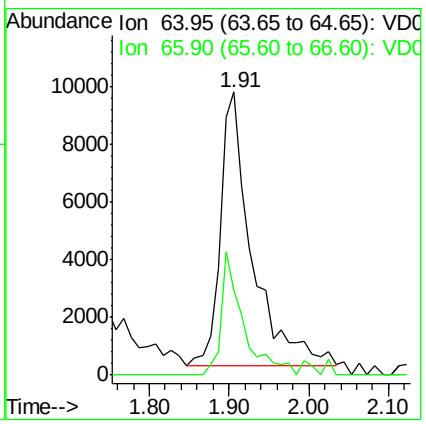


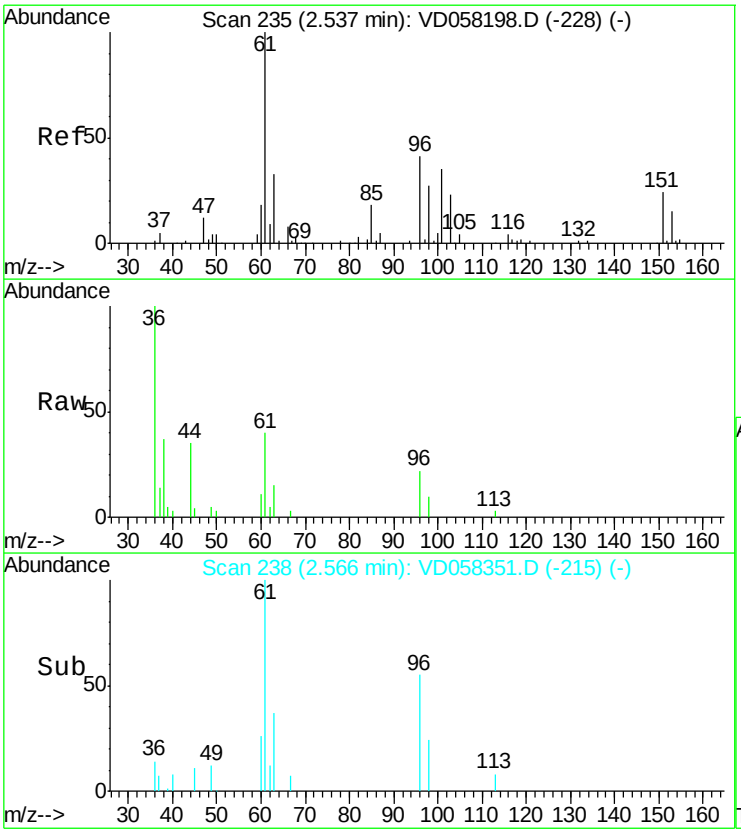
#6
Chloroethane
Concen: 14.52 ug/l
RT: 1.91 min Scan# 171
Delta R.T. 0.03 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion: 64 Resp: 26433

Ion	Ratio	Lower	Upper
64	100		
66	30.2	27.3	40.9

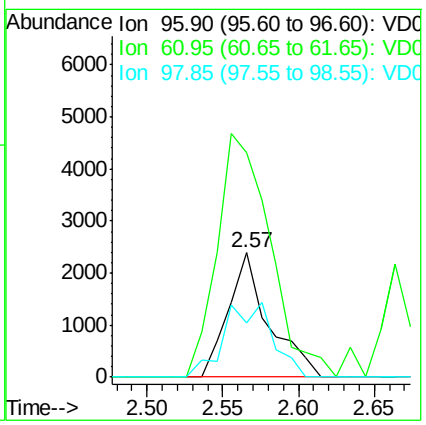


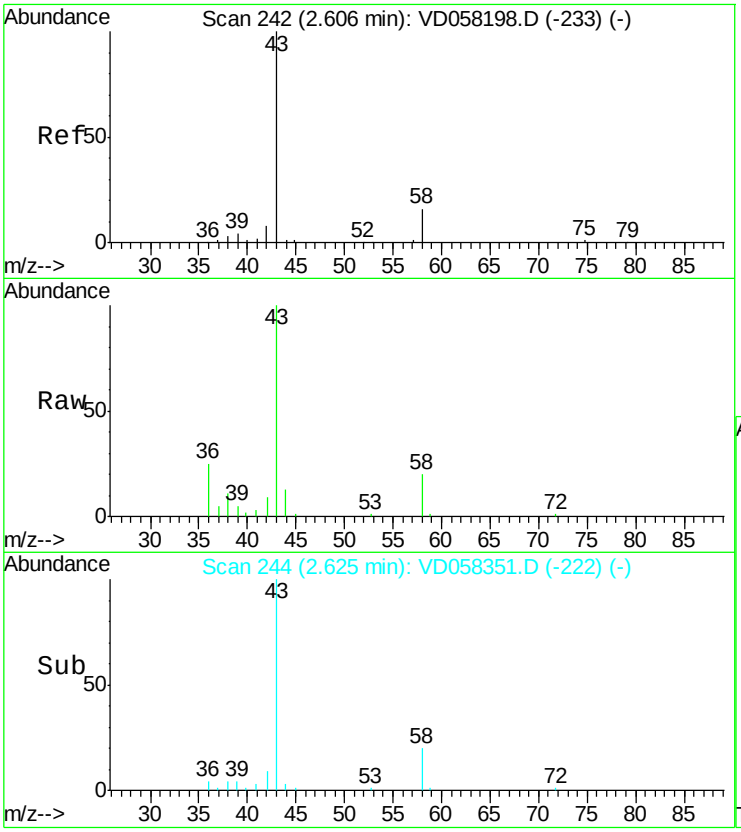


#12
1,1-Dichloroethene
Concen: 1.43 ug/l
RT: 2.57 min Scan# 238
Delta R.T. 0.03 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion: 96 Resp: 4426

Ion	Ratio	Lower	Upper
96	100		
61	181.0	193.9	290.9#
98	43.7	51.7	77.5#



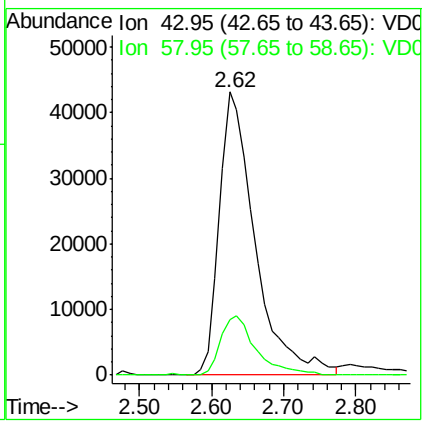


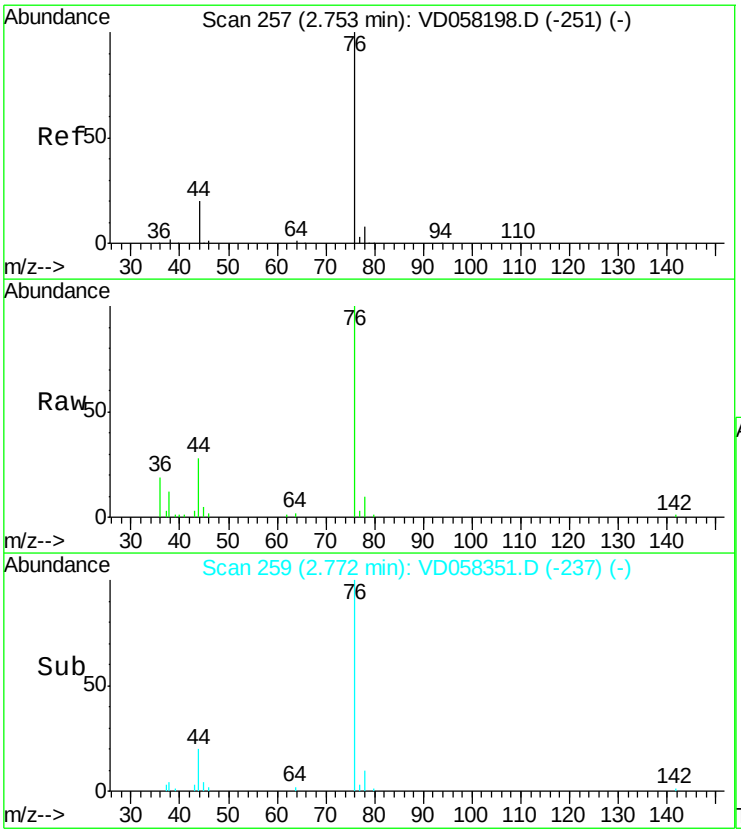
#16
Acetone
Concen: 119.76 ug/l
RT: 2.62 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument : MSVOA_D
ClientSampleId : DUP-0477-180621

Tgt Ion: 43 Resp: 149022

Ion	Ratio	Lower	Upper
43	100		
58	19.8	12.7	19.1#

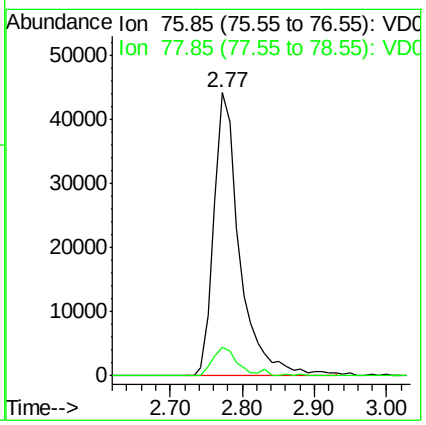


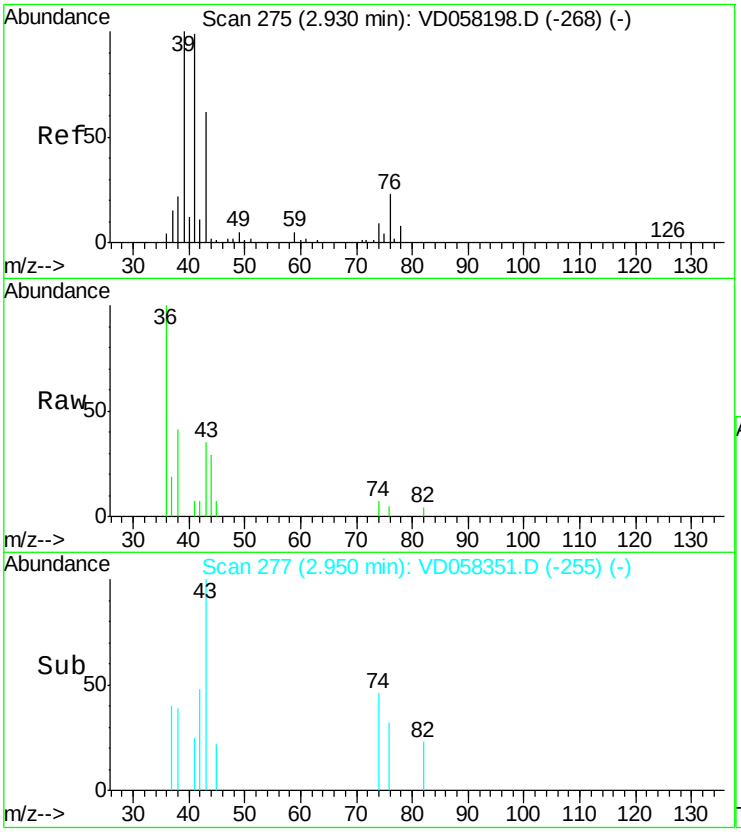


#17
Carbon Disulfide
Concen: 10.37 ug/l
RT: 2.77 min Scan# 259
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion: 76 Resp: 109187

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.8	10.2



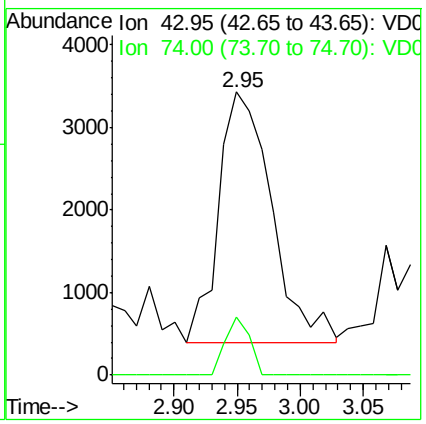


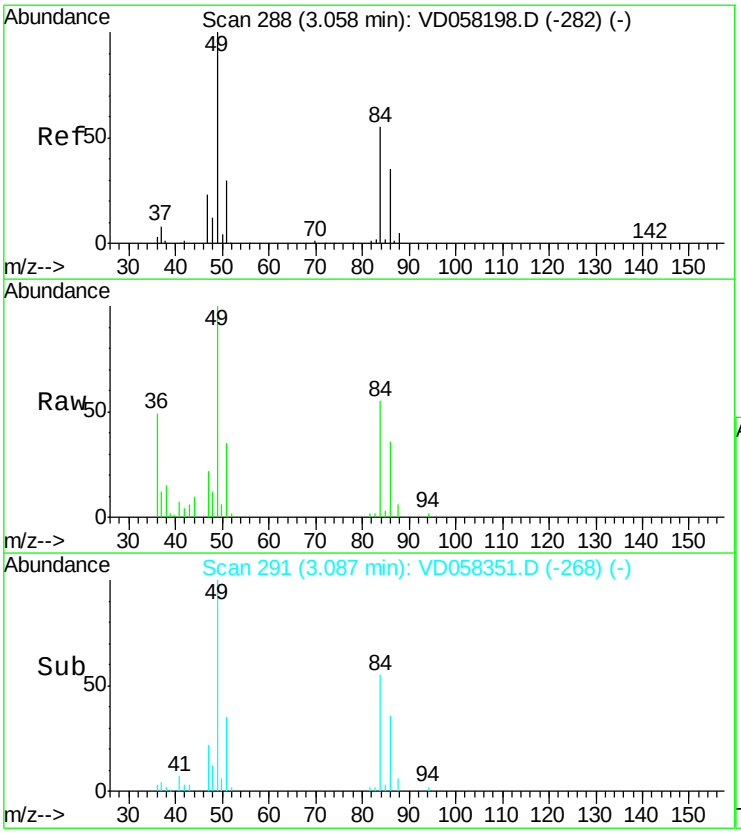
#18
Methyl Acetate
Concen: 3.34 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument : MSVOA_D
ClientSampleId : DUP-0477-180621

Tgt Ion: 43 Resp: 8874

Ion	Ratio	Lower	Upper
43	100		
74	20.4	11.7	17.5#

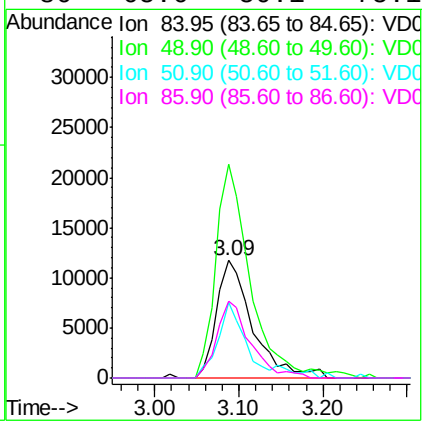


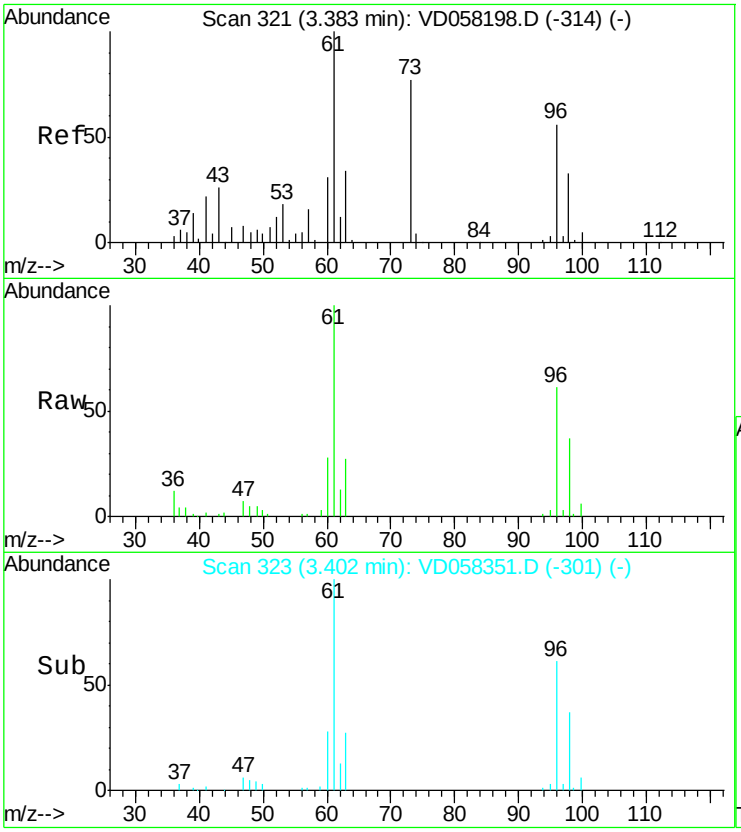


#20
Methylene Chloride
Concen: 6.65 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion: 84 Resp: 35014

Ion	Ratio	Lower	Upper
84	100		
49	181.9	145.0	217.6
51	63.9	42.9	64.3
86	65.6	50.1	75.1



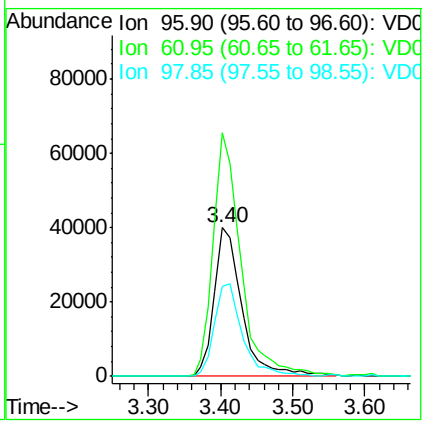


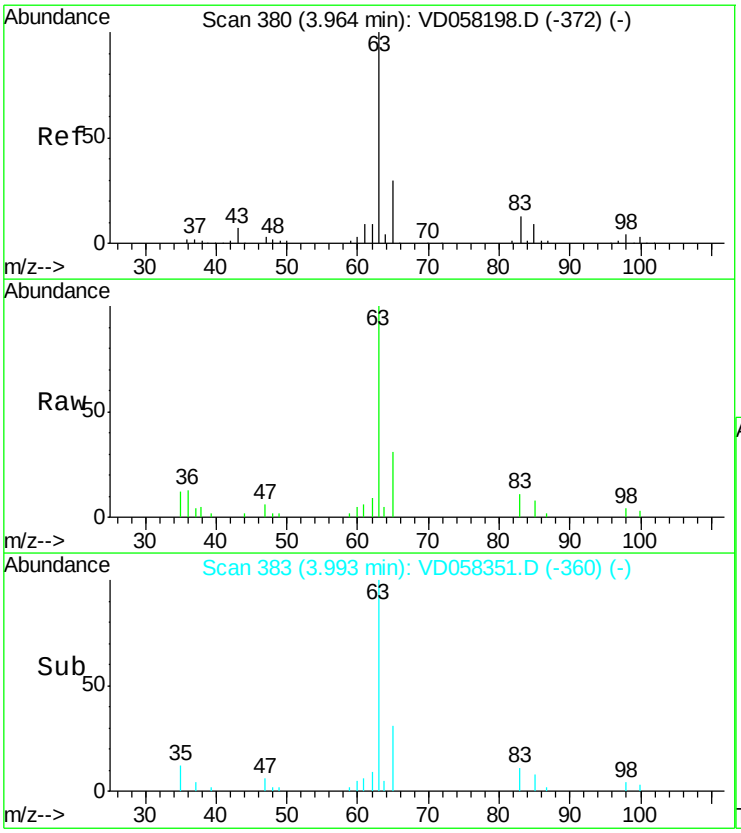
#21
trans-1,2-Dichloroethene
Concen: 31.49 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion: 96 Resp: 106509

Ion	Ratio	Lower	Upper
96	100		
61	163.6	143.8	215.6
98	60.4	48.0	72.0

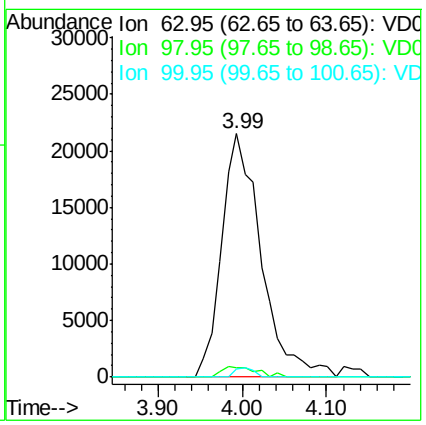


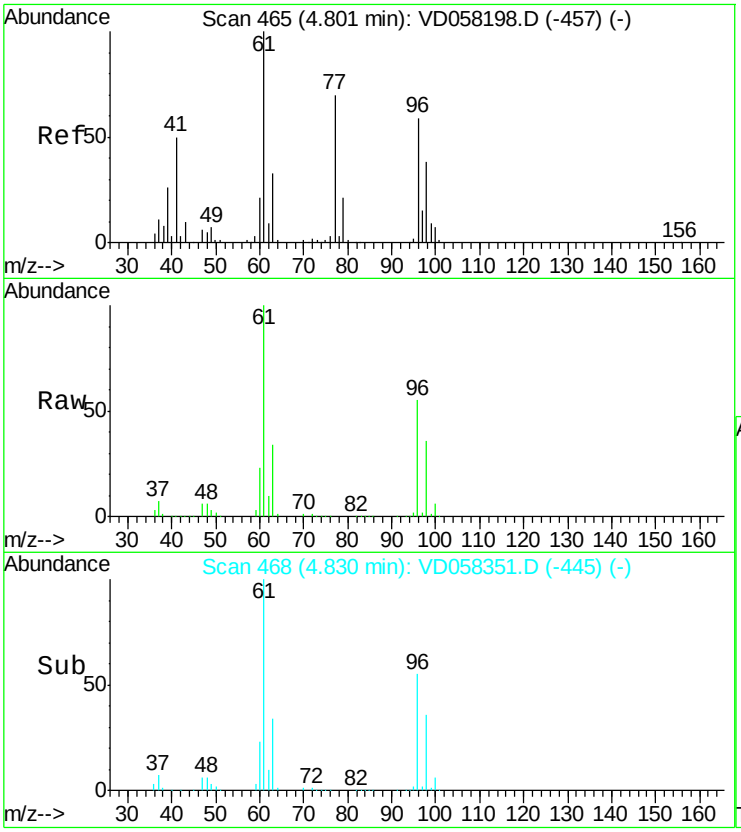


#24
1,1-Dichloroethane
Concen: 4.54 ug/l
RT: 3.99 min Scan# 383
Delta R.T. 0.03 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion: 63 Resp: 69915

Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.9	5.7
100	3.1	1.3	3.9



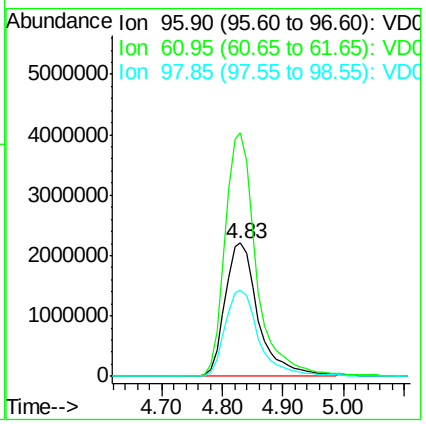


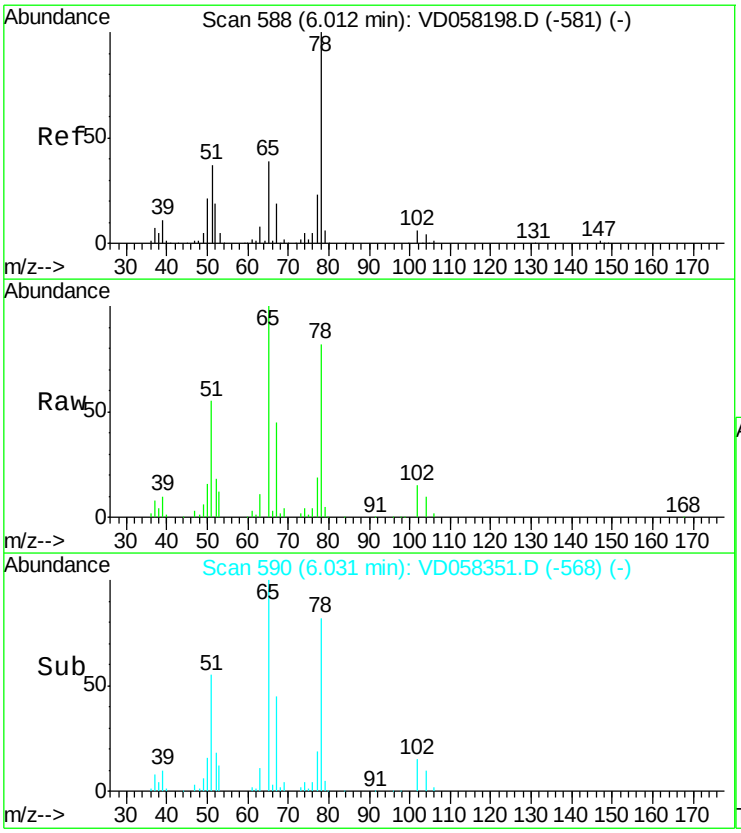
#27
cis-1,2-Dichloroethene
Concen: 999.17 ug/l
RT: 4.83 min Scan# 468
Delta R.T. 0.03 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion: 96 Resp: 8445313

Ion	Ratio	Lower	Upper
96	100		
61	182.7	0.0	338.6
98	65.0	0.0	130.2

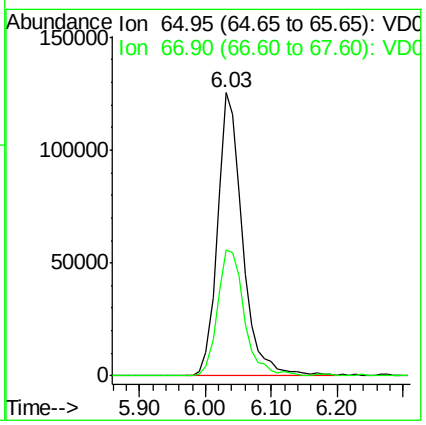


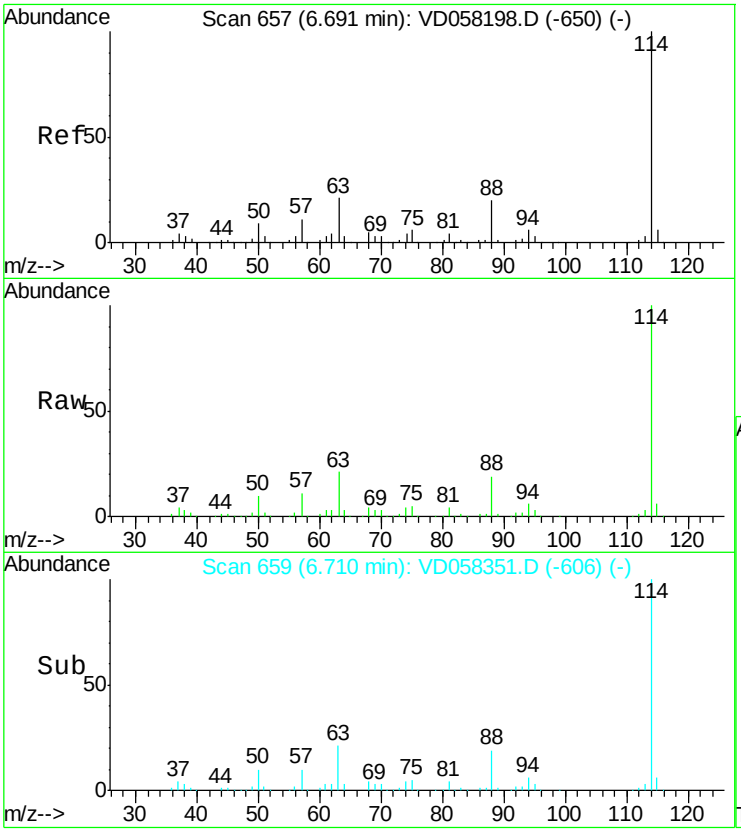


#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion: 65 Resp: 330878

Ion	Ratio	Lower	Upper
65	100		
67	44.6	0.0	97.8



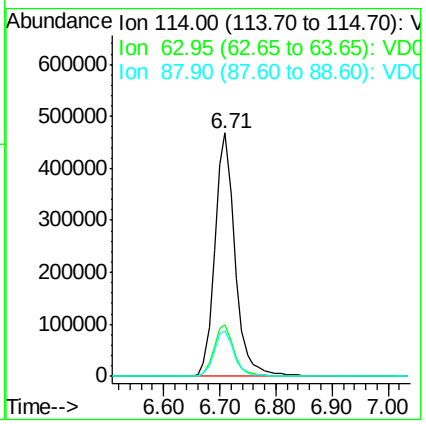


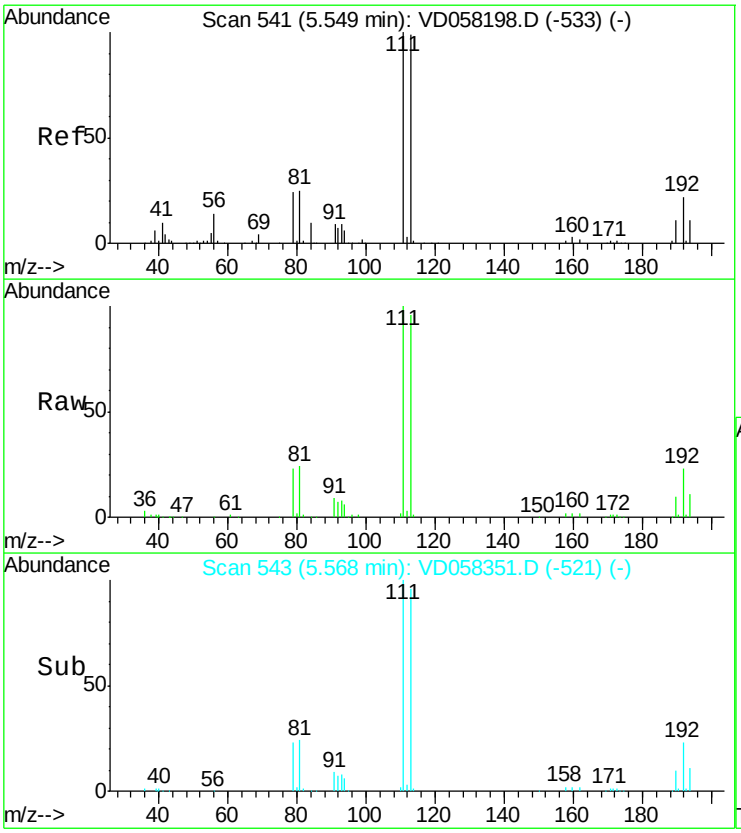
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.71 min Scan# 659
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion:114 Resp: 1179239

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.6
88	18.5	0.0	40.6

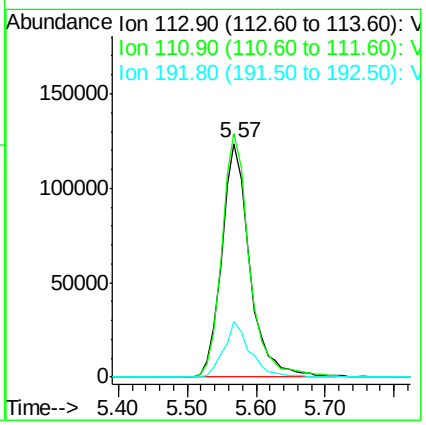


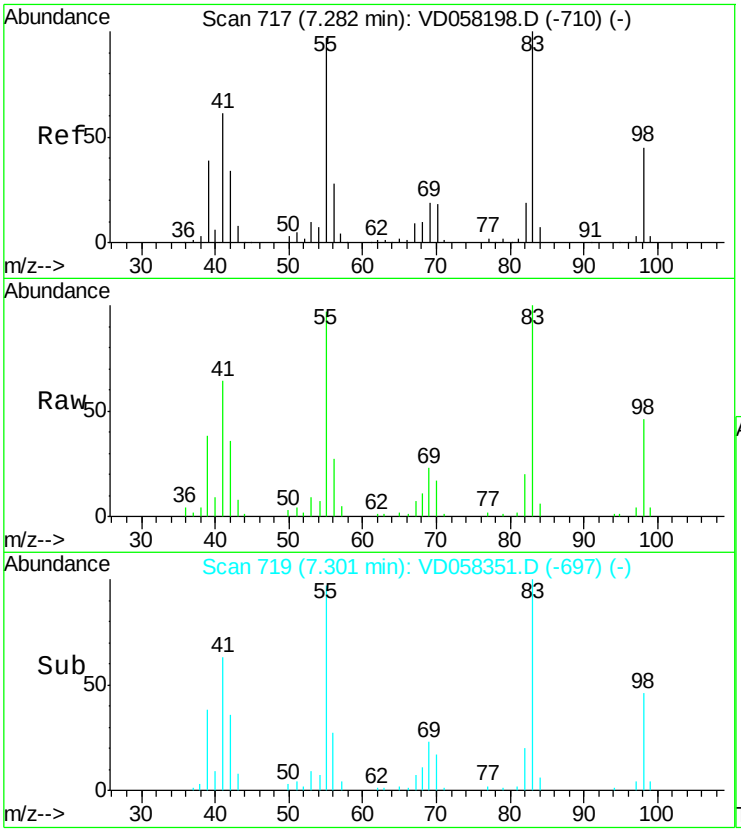


#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.57 min Scan# 543
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion:113 Resp: 347045

Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.6	121.0
192	23.8	17.8	26.6



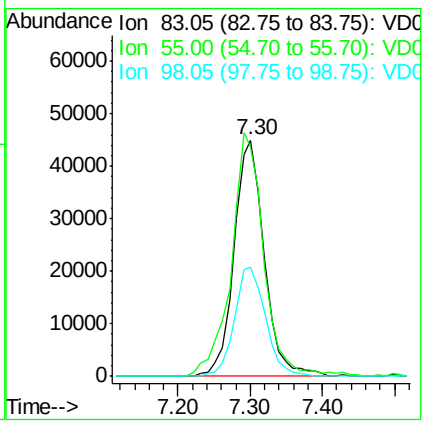


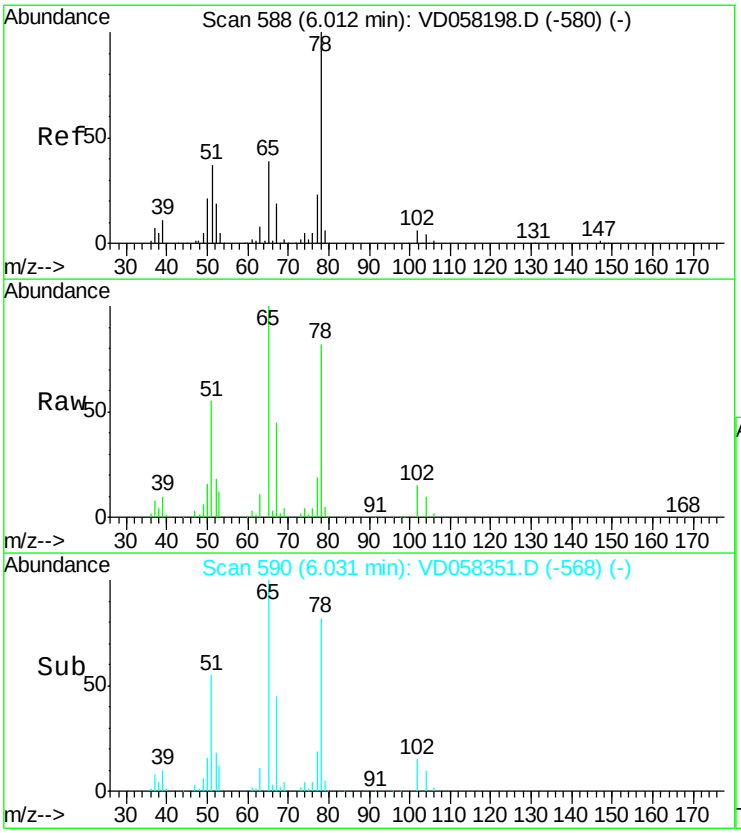
#39
Methylcyclohexane
Concen: 11.55 ug/l
RT: 7.30 min Scan# 719
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion: 83 Resp: 131284

Ion	Ratio	Lower	Upper
83	100		
55	97.1	77.4	116.2
98	46.4	35.9	53.9

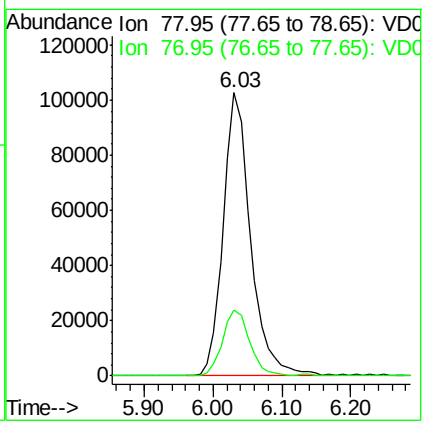


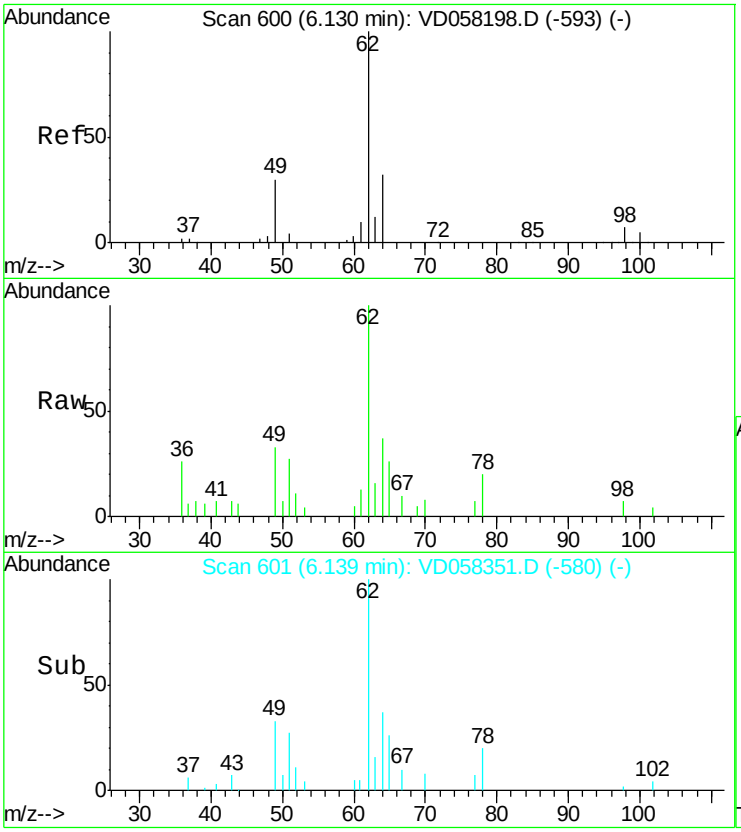


#40
Benzene
Concen: 10.18 ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion: 78 Resp: 282795

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7



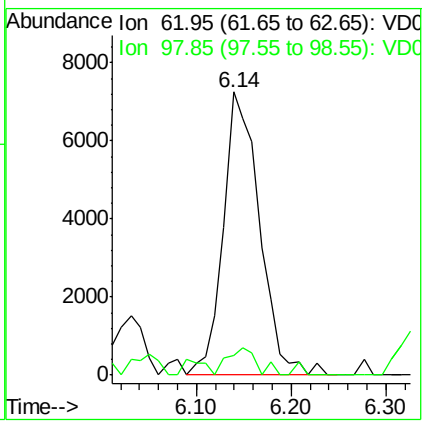


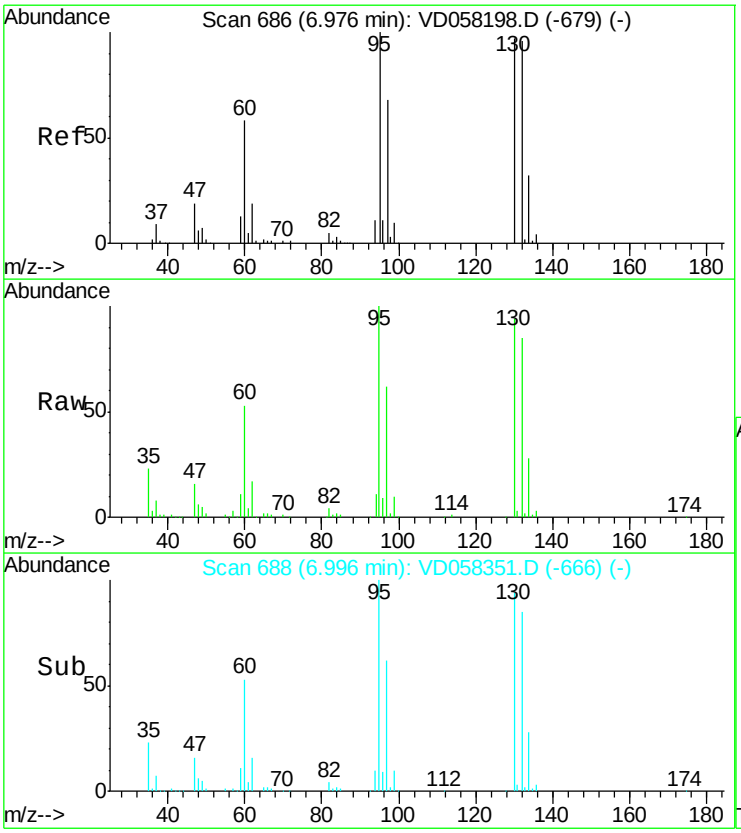
#42
1,2-Dichloroethane
Concen: 1.72 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion: 62 Resp: 19248

Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	13.2

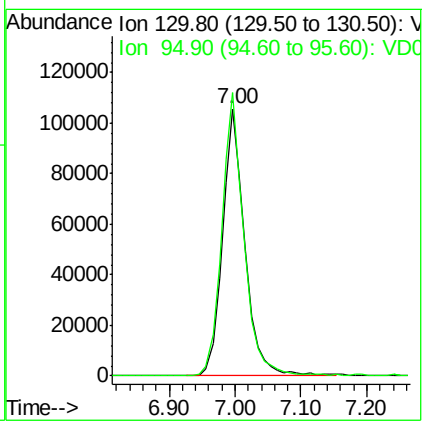


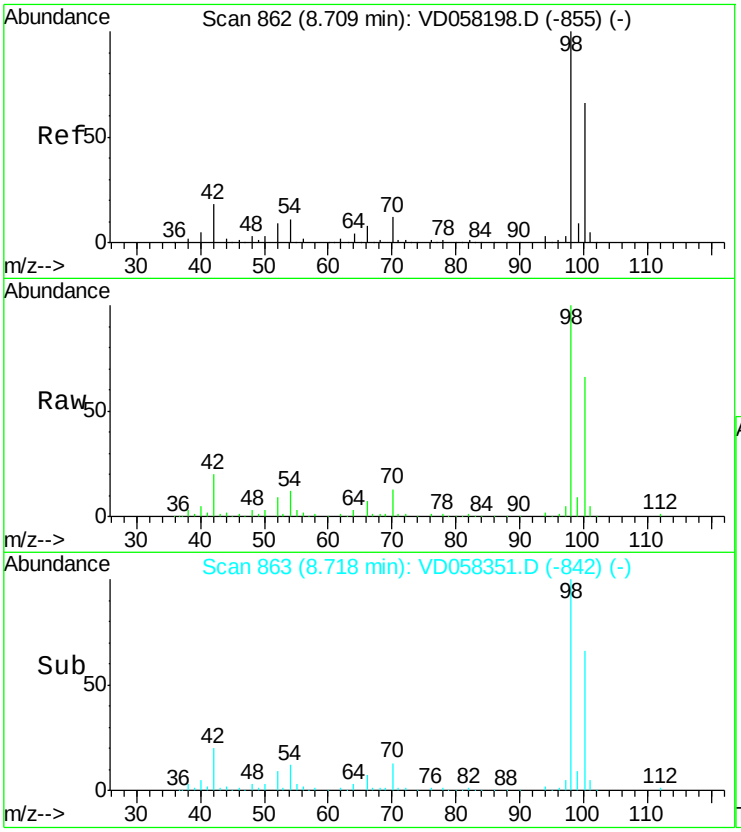


#44
Trichloroethene
Concen: 29.90 ug/l
RT: 7.00 min Scan# 688
Delta R.T. 0.02 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion:130 Resp: 249512

Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	205.6



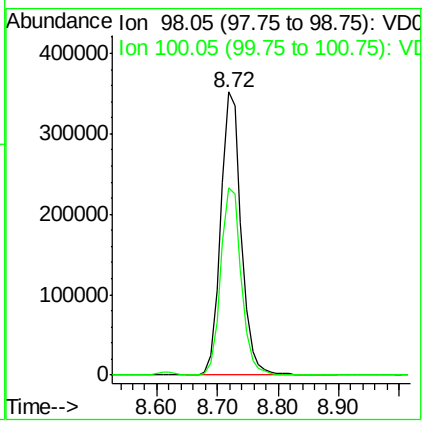


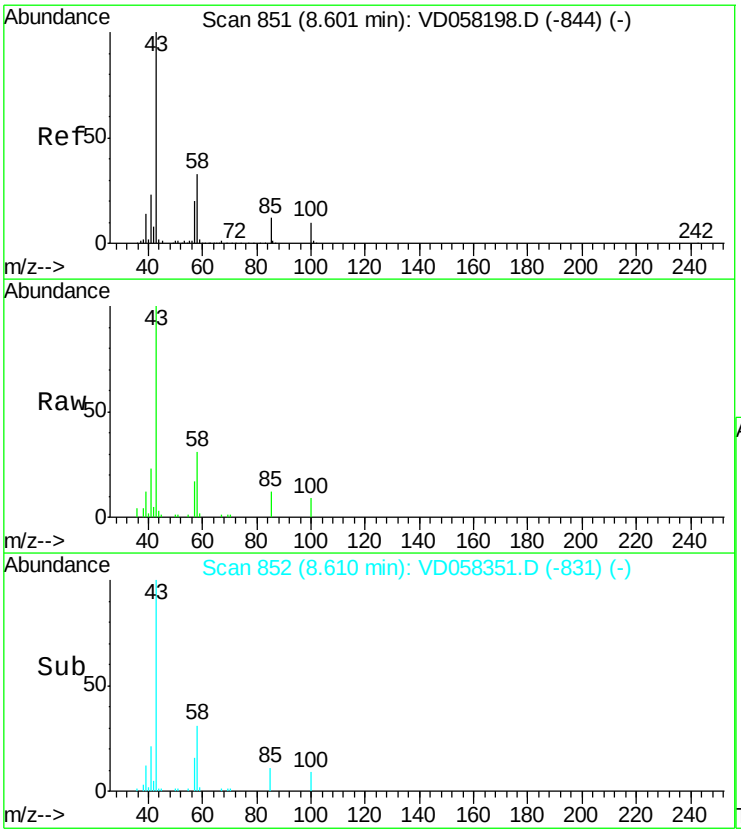
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion: 98 Resp: 823685

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.6	80.4

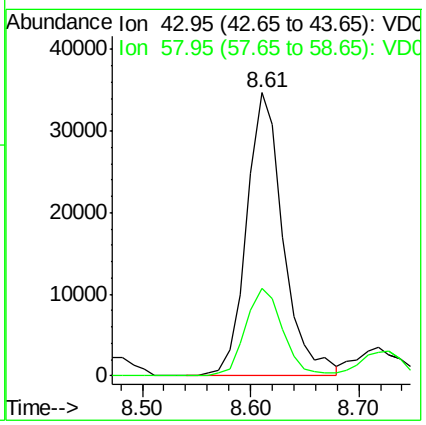


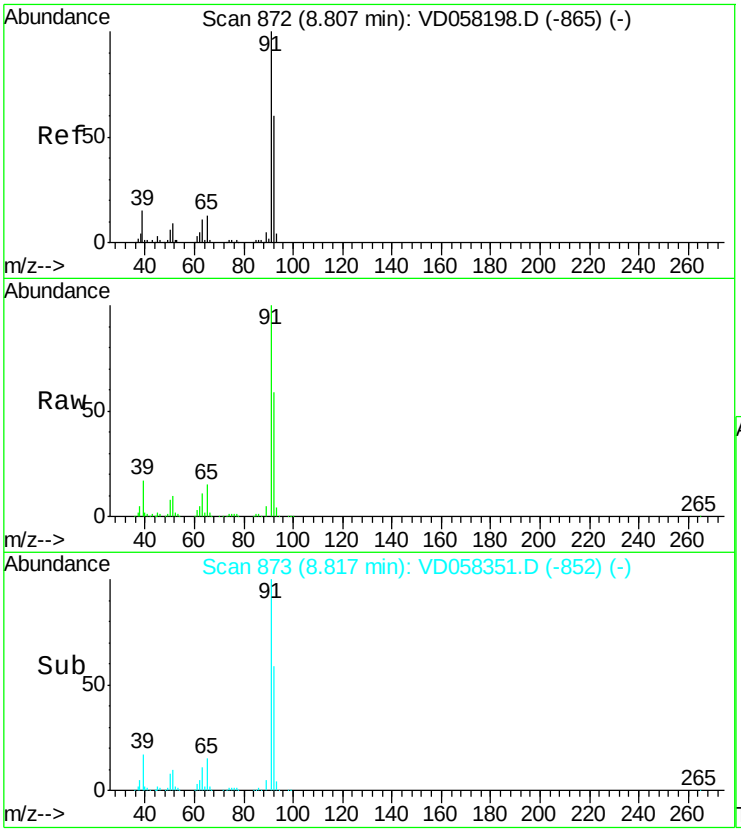


#51
4-Methyl-2-Pentanone
Concen: 14.11 ug/l
RT: 8.61 min Scan# 852
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion: 43 Resp: 81549

Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.7	40.1



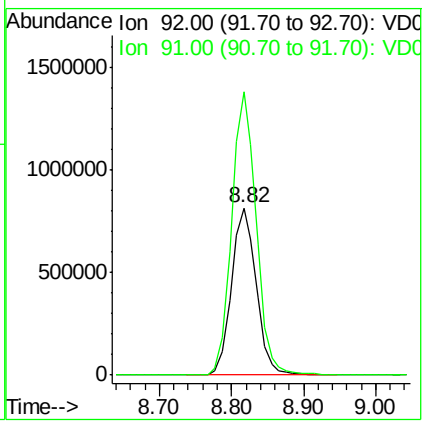


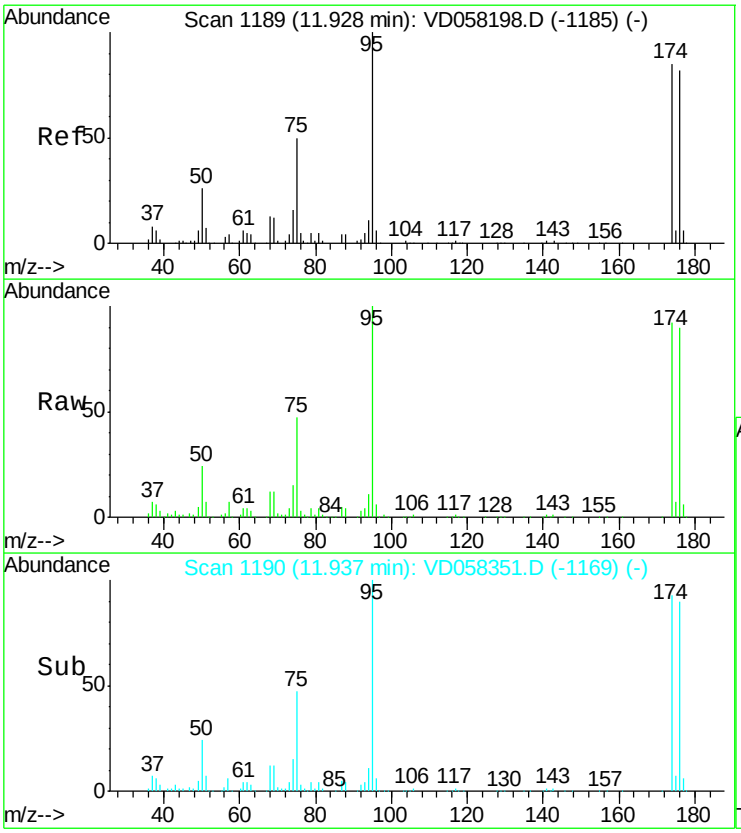
#52
Toluene
Concen: 123.00 ug/l
RT: 8.82 min Scan# 873
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion: 92 Resp: 1946301

Ion	Ratio	Lower	Upper
92	100		
91	169.1	133.2	199.8

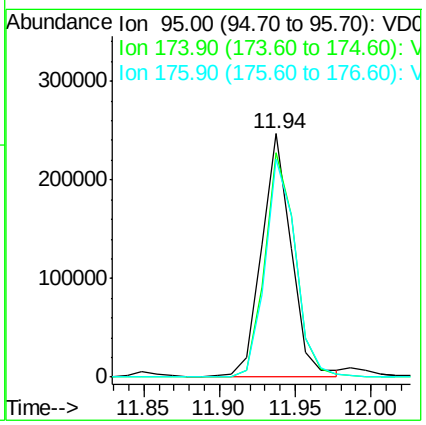


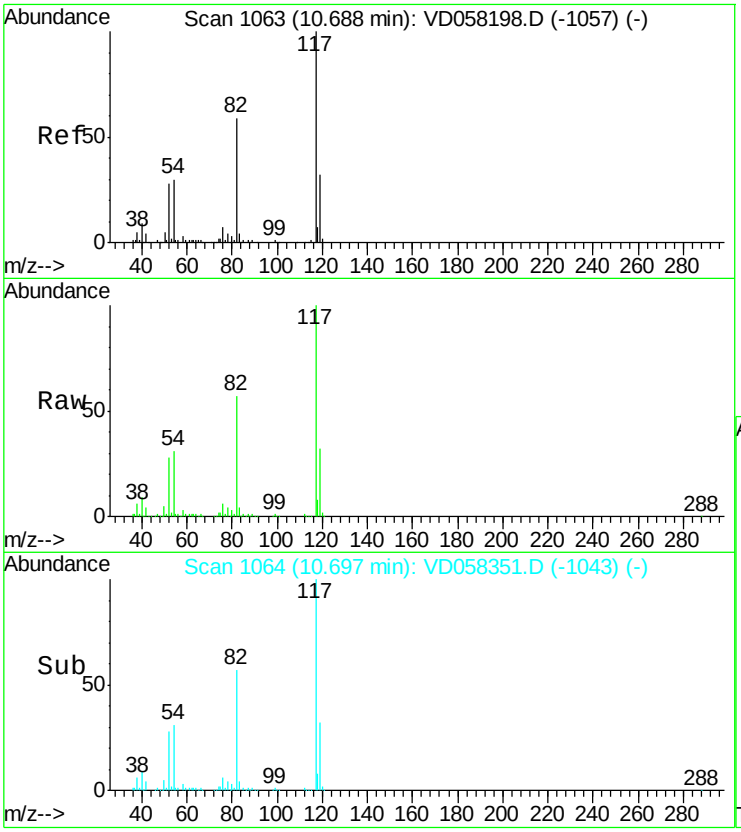


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion: 95 Resp: 335584

Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	170.2
176	89.7	0.0	164.6



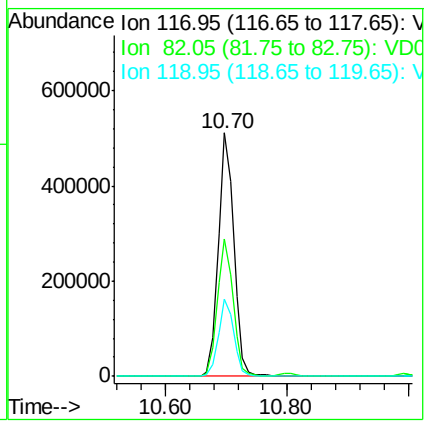


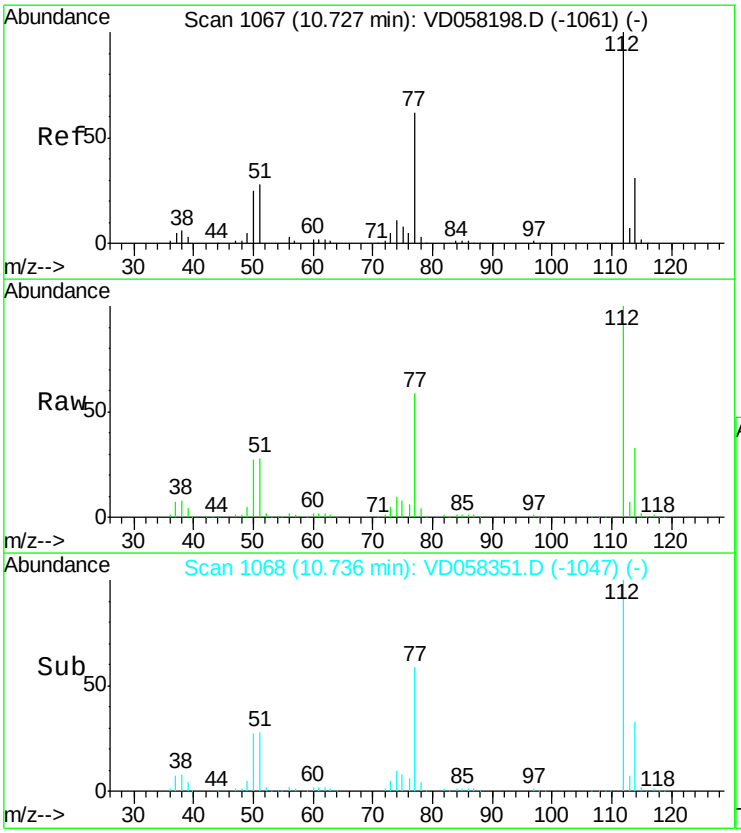
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument : MSVOA_D
ClientSampleId : DUP-0477-180621

Tgt Ion:117 Resp: 914822

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.0	70.6
119	31.5	25.3	37.9

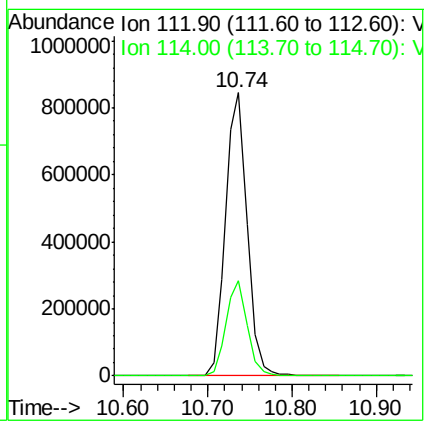


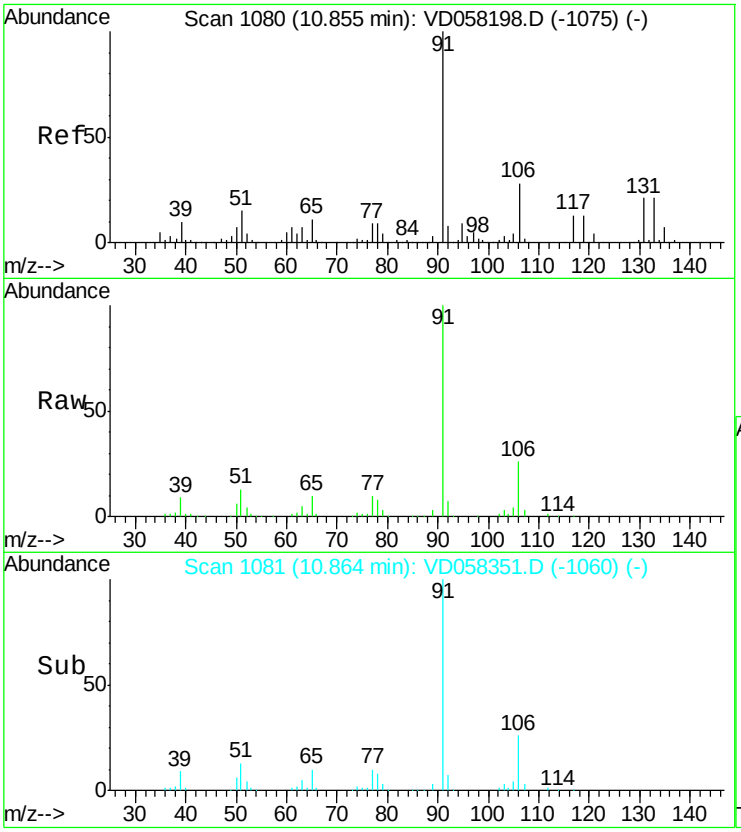


#65
Chlorobenzene
Concen: 88.11 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion:112 Resp: 1507792

Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.0	37.4



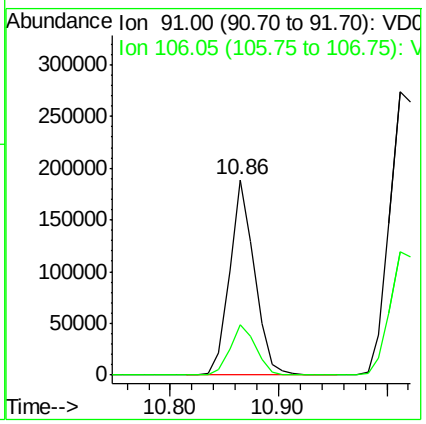


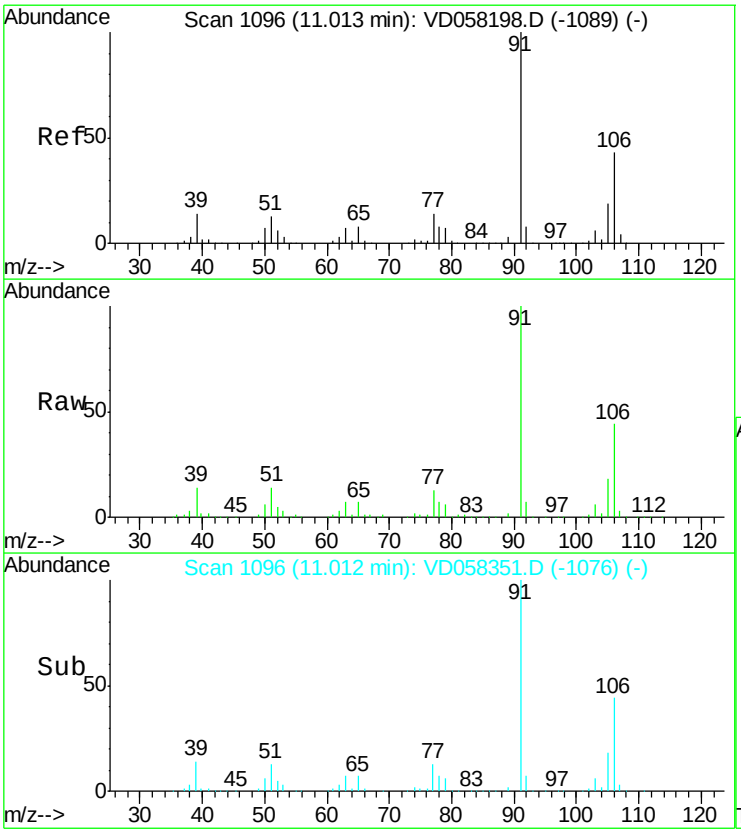
#67
Ethyl Benzene
Concen: 10.00 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion: 91 Resp: 302079

Ion	Ratio	Lower	Upper
91	100		
106	25.9	22.0	33.0

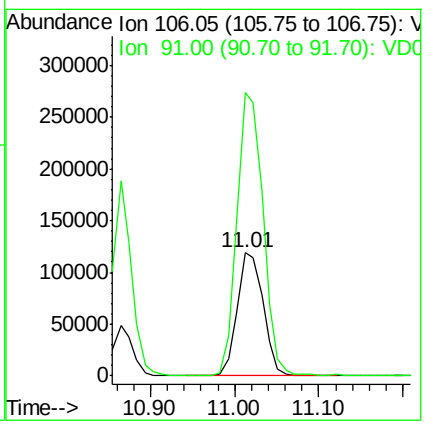


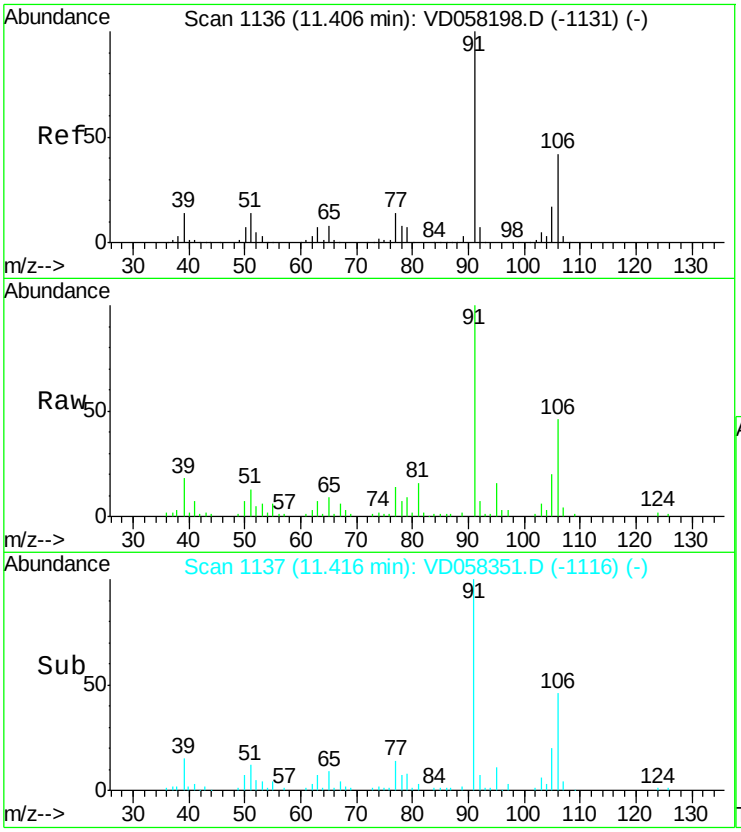


#68
m/p-Xylenes
Concen: 25.50 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion:106 Resp: 256936

Ion	Ratio	Lower	Upper
106	100		
91	229.8	185.0	277.6



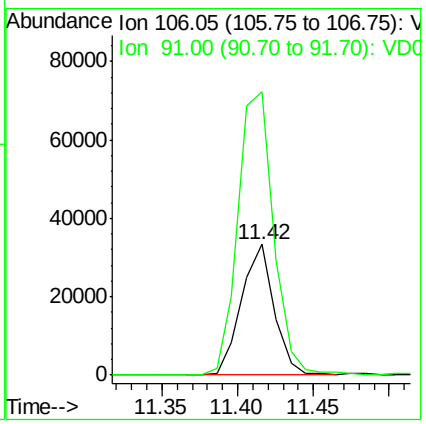


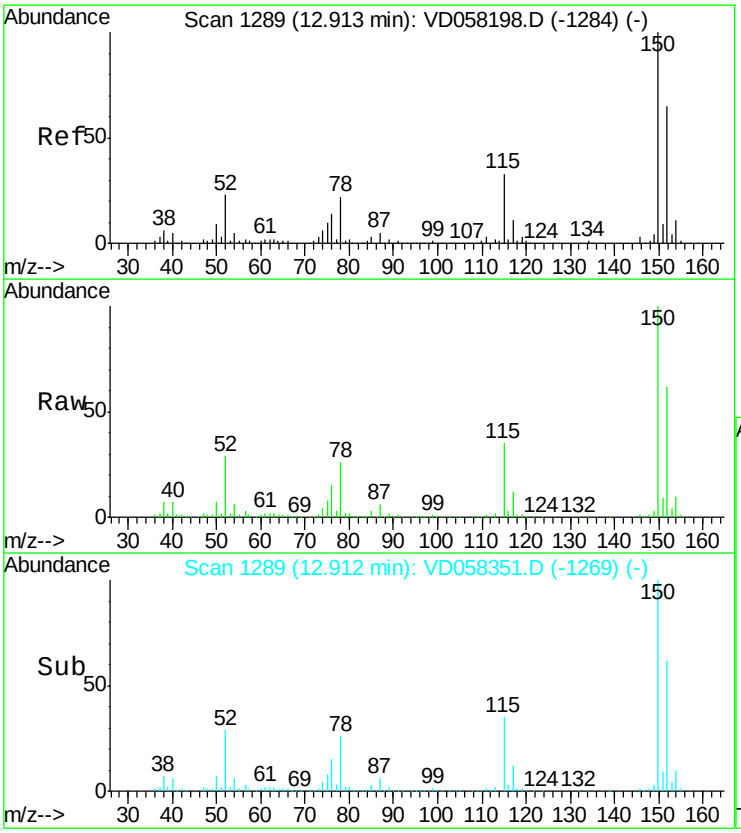
#69
o-Xylene
Concen: 5.21 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion:106 Resp: 50156

Ion	Ratio	Lower	Upper
106	100		
91	216.6	120.2	360.6

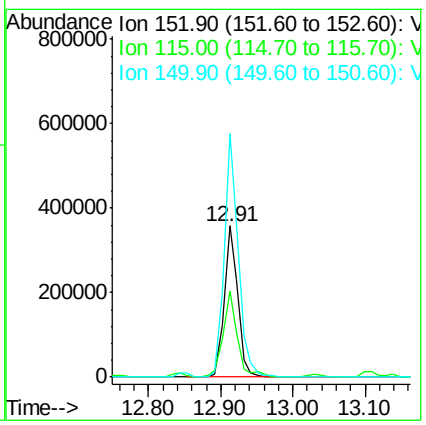


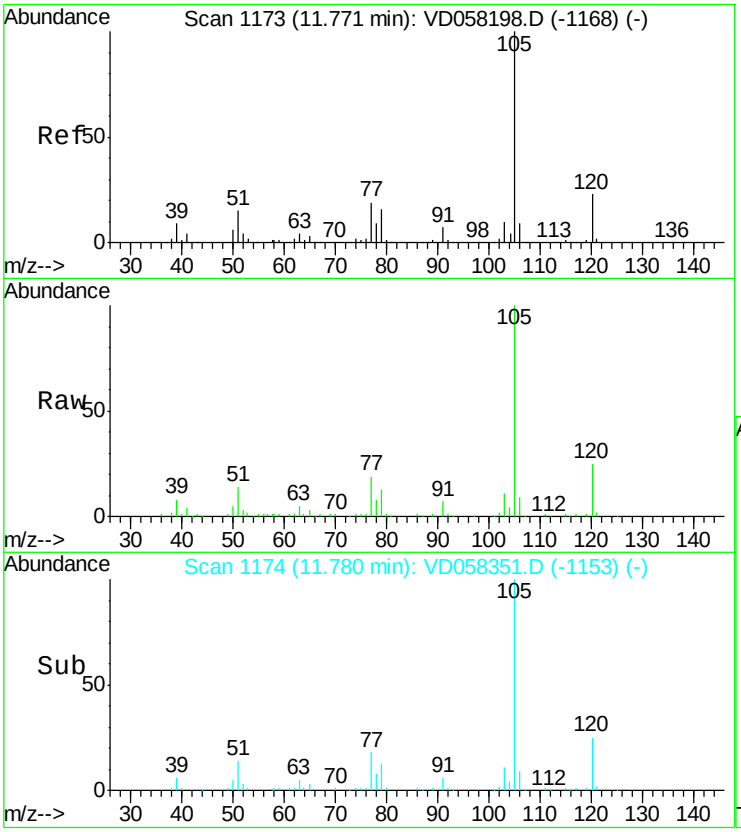


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion:152 Resp: 464588

Ion	Ratio	Lower	Upper
152	100		
115	57.1	25.1	75.3
150	161.4	0.0	308.8



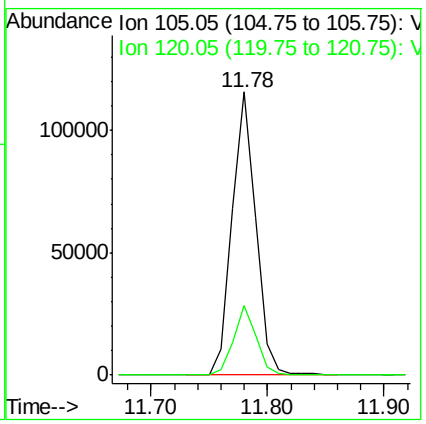


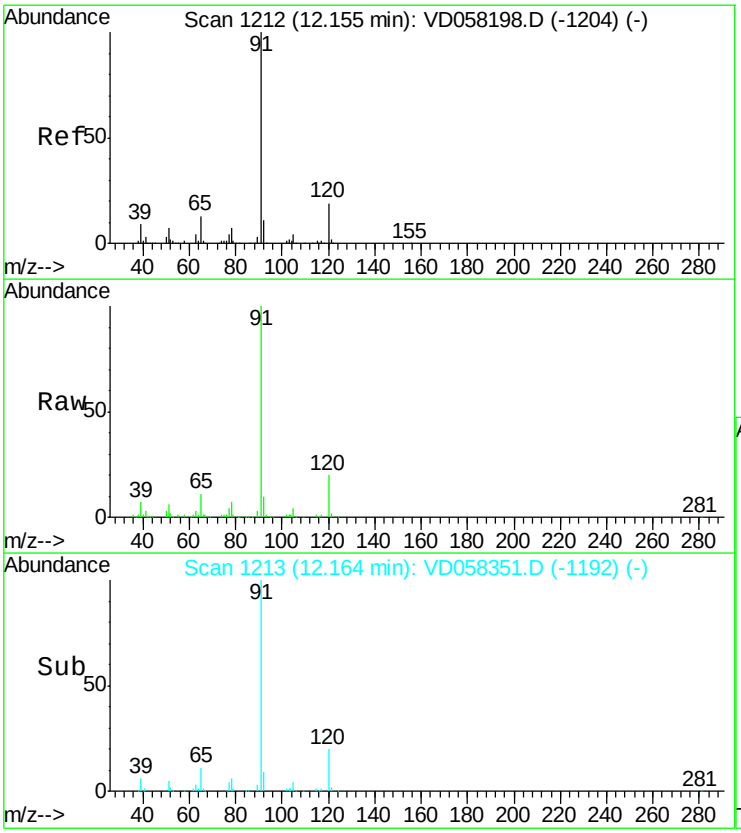
#73
Isopropylbenzene
Concen: 5.89 ug/l
RT: 11.78 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion:105 Resp: 163748

Ion	Ratio	Lower	Upper
105	100		
120	24.8	11.6	34.8

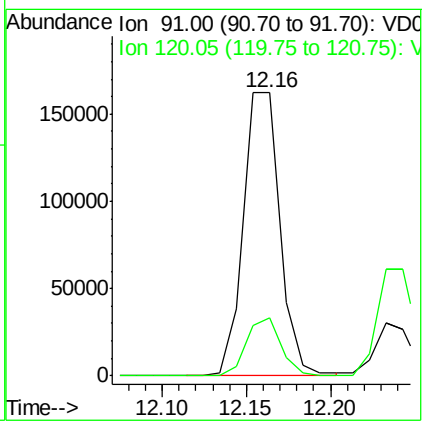


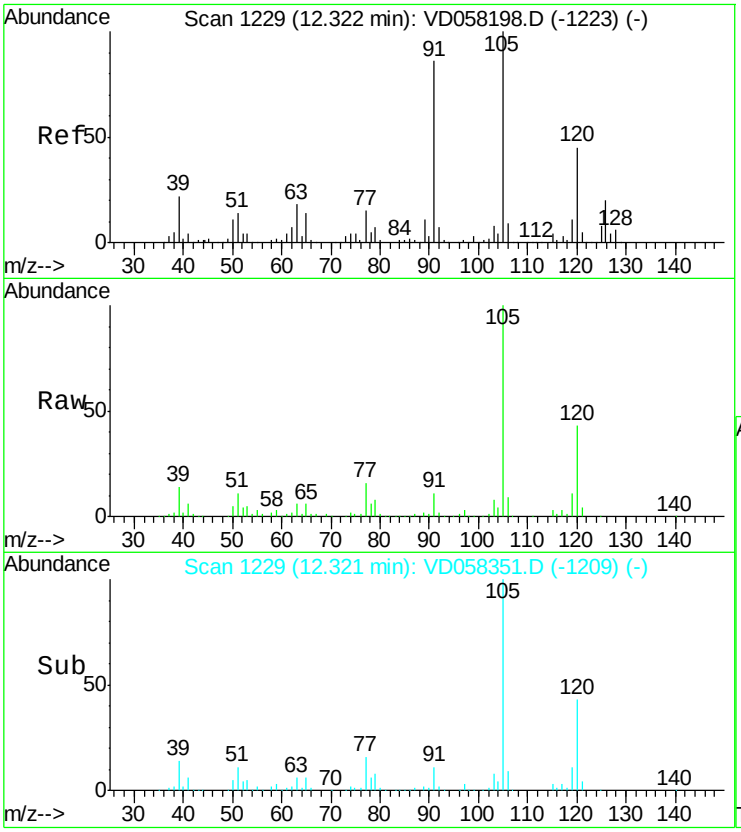


#78
n-propylbenzene
Concen: 6.85 ug/l
RT: 12.16 min Scan# 1213
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion: 91 Resp: 245790

Ion	Ratio	Lower	Upper
91	100		
120	20.3	9.7	29.1



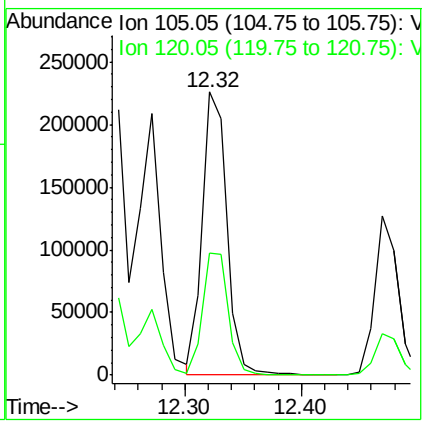


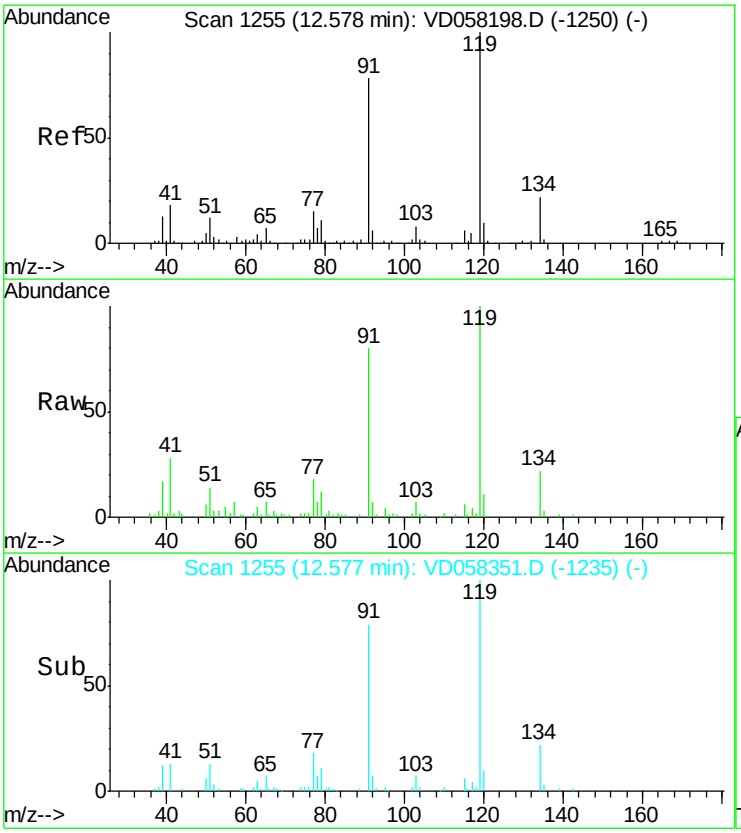
#80
1,3,5-Trimethylbenzene
Concen: 15.20 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion:105 Resp: 329415

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.5	67.5

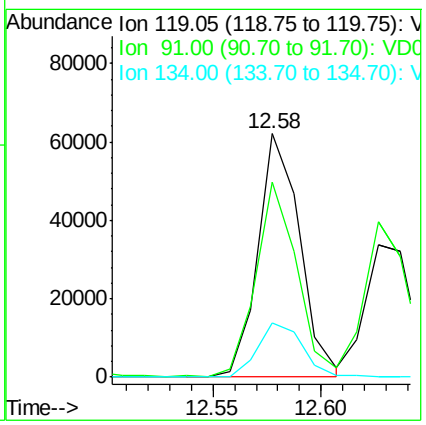


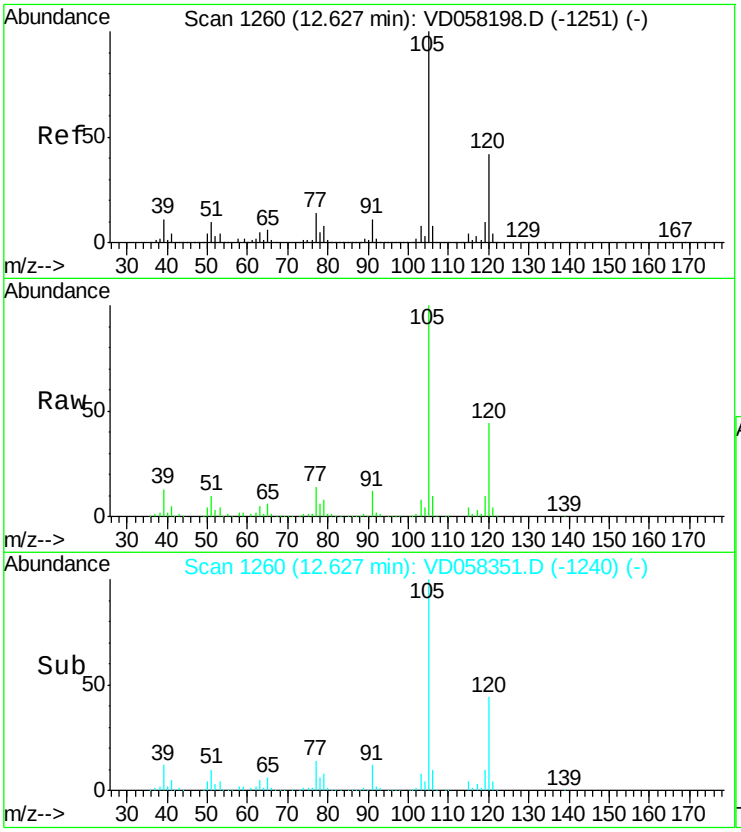


#83
tert-Butylbenzene
Concen: 3.32 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion:119 Resp: 82741

Ion	Ratio	Lower	Upper
119	100		
91	79.9	38.9	116.6
134	22.4	11.2	33.5



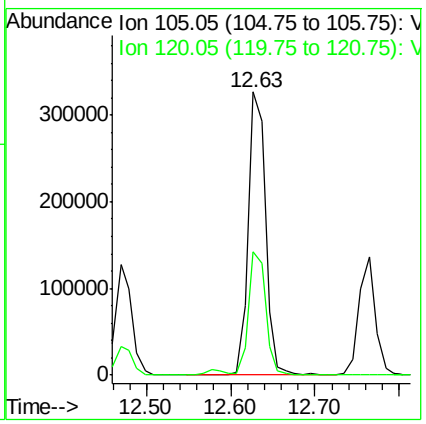


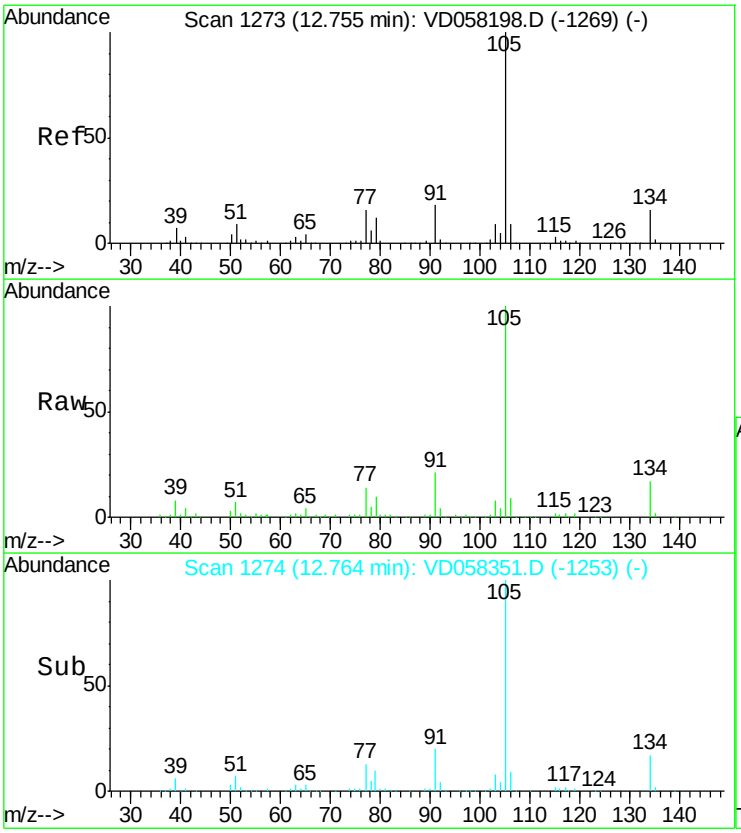
#84
1,2,4-Trimethylbenzene
Concen: 20.09 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion:105 Resp: 473441

Ion	Ratio	Lower	Upper
105	100		
120	43.5	20.8	62.4

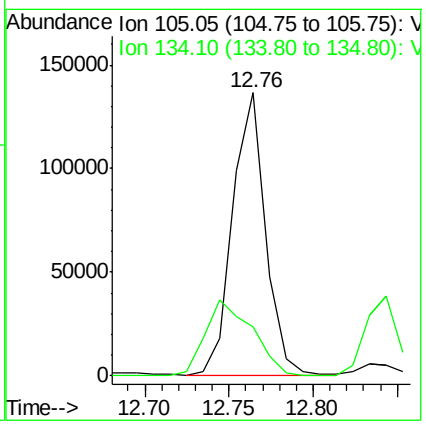


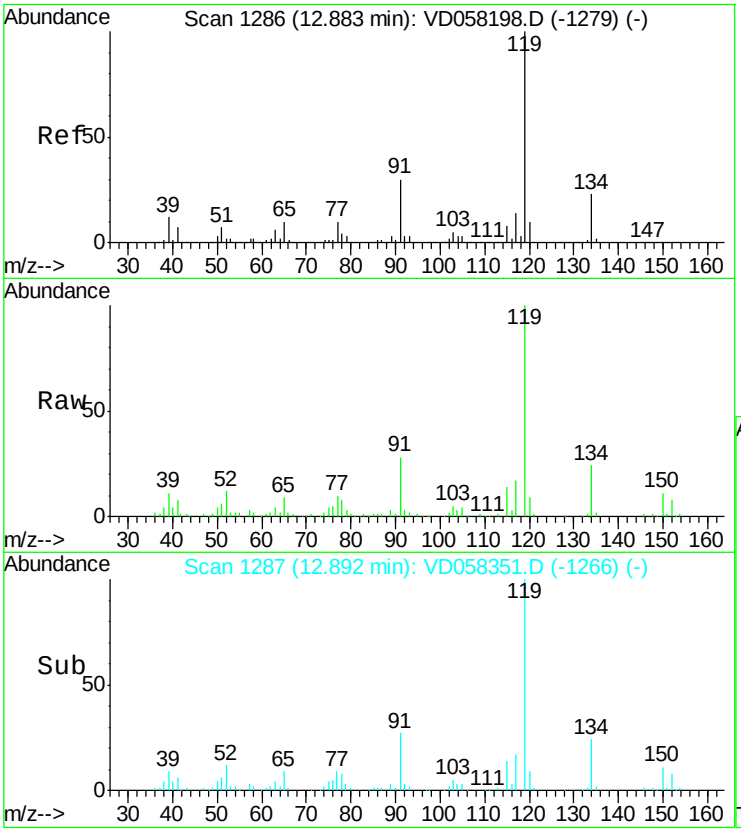


#85
sec-Butylbenzene
Concen: 6.39 ug/l
RT: 12.76 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion:105 Resp: 186649

Ion	Ratio	Lower	Upper
105	100		
134	17.3	8.1	24.3



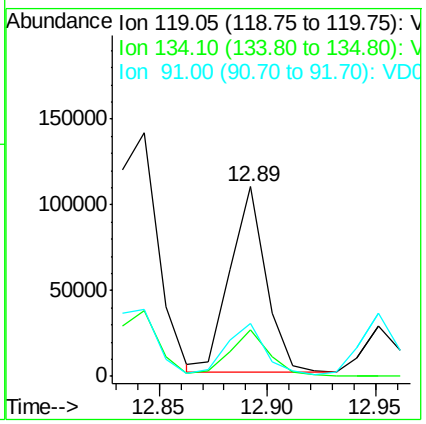


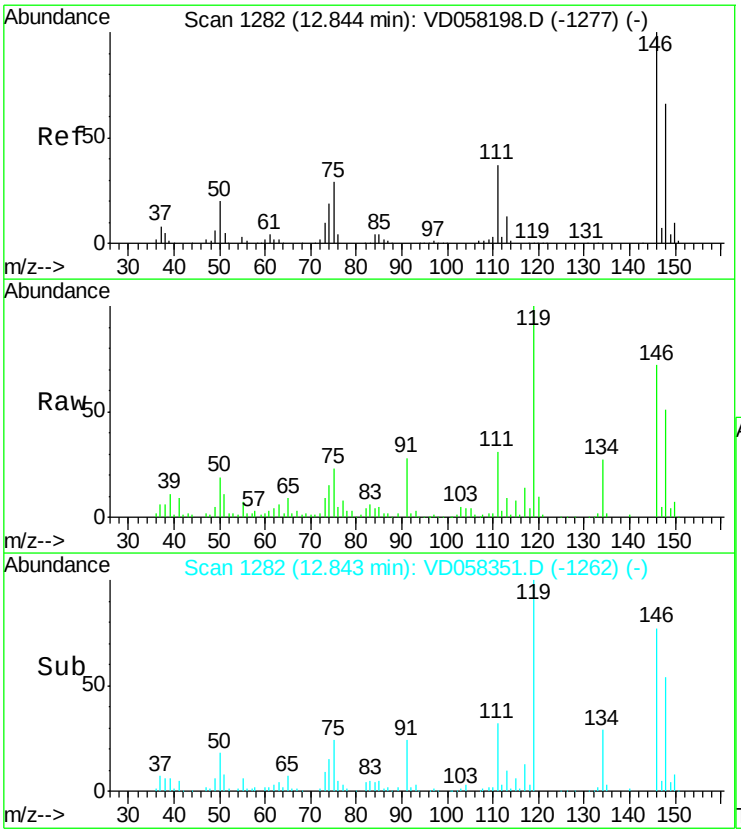
#86
p-Isopropyltoluene
Concen: 5.27 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.01 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion:119 Resp: 124640

Ion	Ratio	Lower	Upper
119	100		
134	24.4	11.6	34.8
91	27.8	15.0	45.1

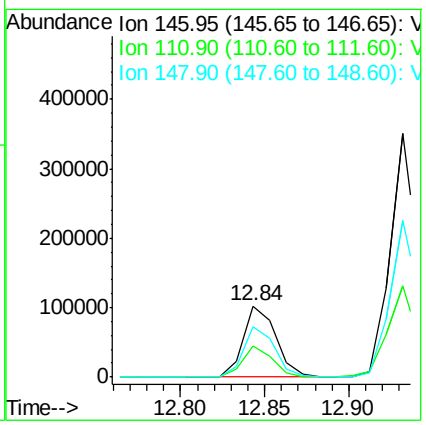


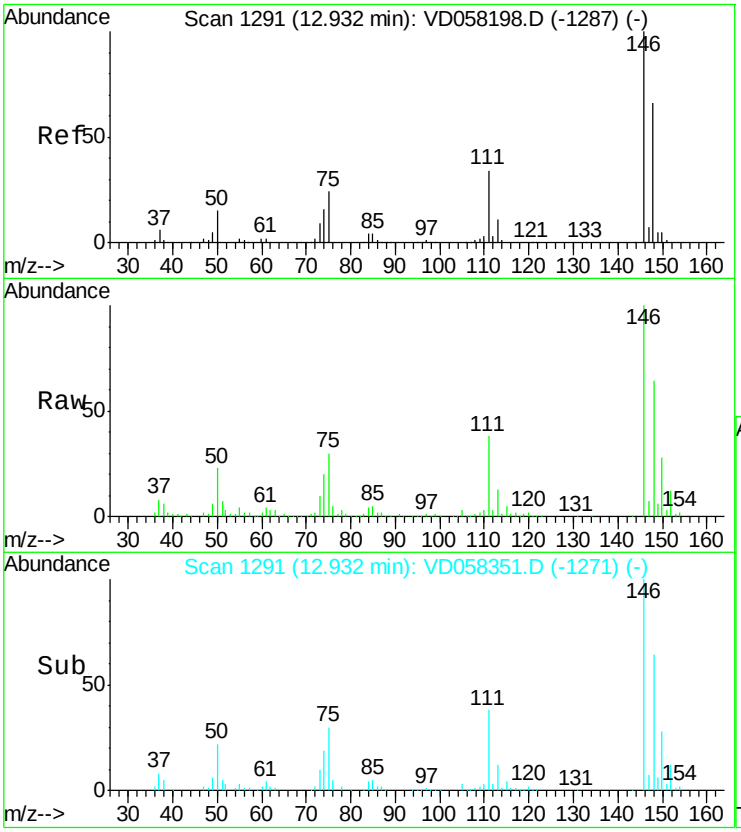


#87
1,3-Dichlorobenzene
Concen: 9.55 ug/l
RT: 12.84 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion:146 Resp: 138062

Ion	Ratio	Lower	Upper
146	100		
111	42.9	18.4	55.0
148	70.2	32.8	98.4



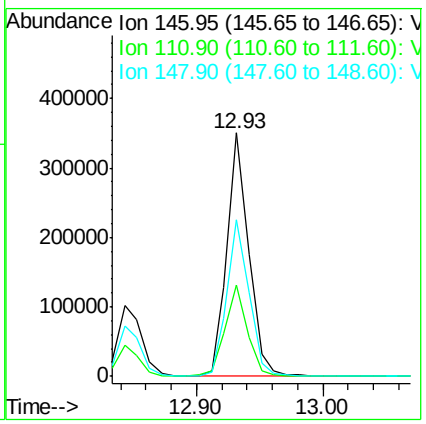


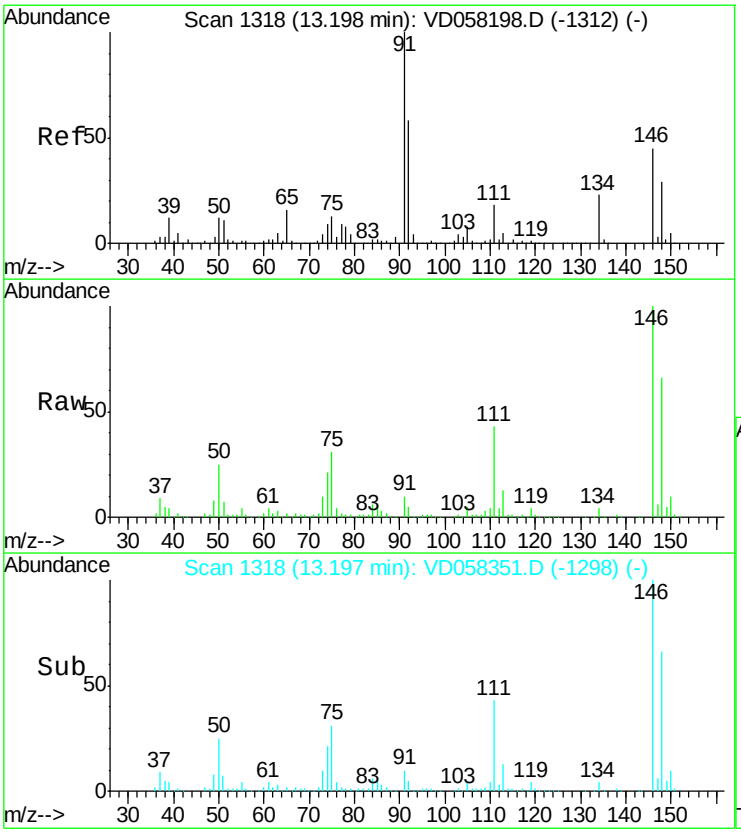
#88
1,4-Dichlorobenzene
Concen: 29.49 ug/l
RT: 12.93 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion:146 Resp: 416478

Ion	Ratio	Lower	Upper
146	100		
111	37.6	17.2	51.5
148	64.3	33.1	99.3

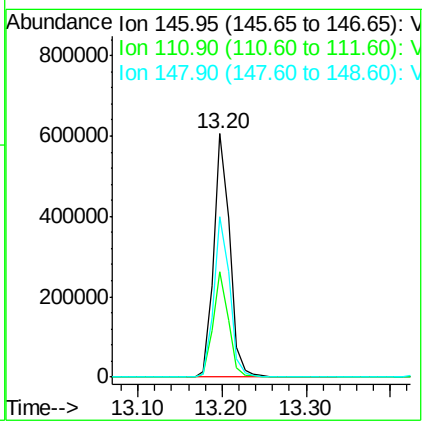


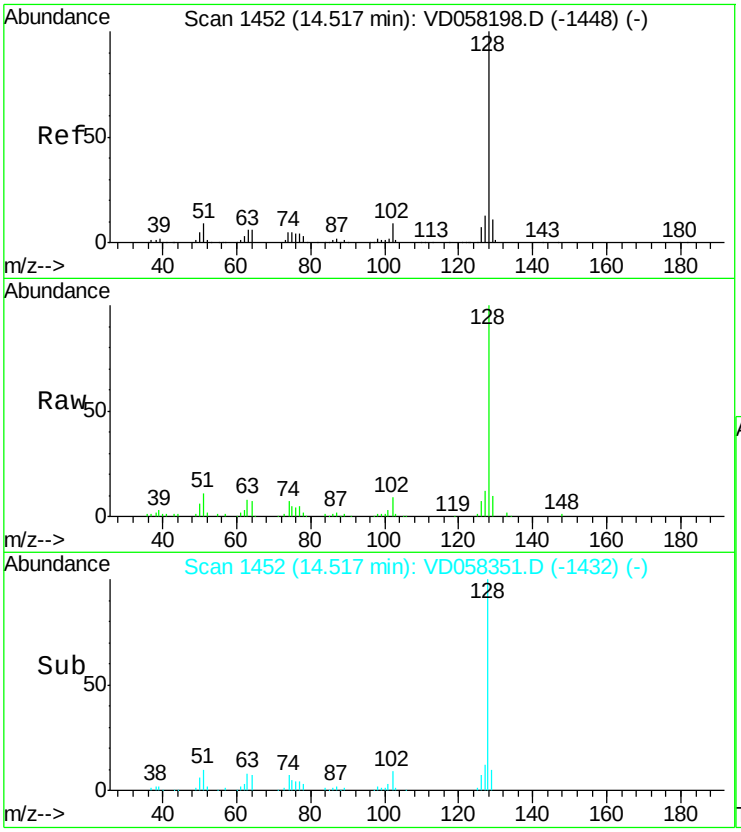


#91
1,2-Dichlorobenzene
Concen: 65.18 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Tgt Ion:146 Resp: 802317

Ion	Ratio	Lower	Upper
146	100		
111	43.3	19.6	58.7
148	66.0	32.0	96.2





#95
Naphthalene
Concen: 8.35 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD058351.D
Acq: 23 Jun 2018 20:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-0477-180621

Tgt Ion:128 Resp: 129468

Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.0	15.0
129	10.1	8.7	13.1