Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040919\
Data File : VD061687.D
Acq On : 9 Apr 2019 20:57
Operator : VA/AP
Sample : K2316-04
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190172-COMP-CS-4

Quant Time: Apr 10 09:22:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	408423	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	700559	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	439546	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	110570	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	186855	60.36	ug/l	0.03
Spiked Amount 50.000			Recovery = 120.72%			
35) Dibromofluoromethane	6.96	113	287515	59.24	ug/l	0.04
Spiked Amount 50.000			Recovery = 118.48%			
50) Toluene-d8	10.43	98	591965	48.55	ug/l	0.03
Spiked Amount 50.000			Recovery = 97.10%			
62) 4-Bromofluorobenzene	13.57	95	157567	34.41	ug/l	0.02
Spiked Amount 50.000			Recovery = 68.82%			
Target Compounds						Qvalue
16) Acetone	3.24	43	96095	103.837	ug/l	91
17) Carbon Disulfide	3.41	76	38194	2.761	ug/l #	94
20) Methylene Chloride	3.84	84	21802	4.152	ug/l #	93
25) 2-Butanone	6.09	43	35242	33.033	ug/l	98
65) Chlorobenzene	12.41	112	15905	1.825	ug/l	98
67) Ethyl Benzene	12.54	91	35643	2.685	ug/l	91
68) m/p-Xylenes	12.68	106	22417	4.381	ug/l	90
69) o-Xylene	13.06	106	16548	3.350	ug/l	87
73) Isopropylbenzene	13.42	105	165894	22.517	ug/l	99
79) 2-Chlorotoluene	13.85	91	216985	43.055	ug/l	94
80) 1,3,5-Trimethylbenzene	13.95	105	28819	4.928	ug/l	97
83) tert-Butylbenzene	14.20	119	17584	2.494	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	51409	8.711	ug/l	98
85) sec-Butylbenzene	14.38	105	10071	1.322	ug/l	95
86) p-Isopropyltoluene	14.50	119	19592	2.965	ug/l	86
95) Naphthalene	16.13	128	40943	16.744	ug/l	98

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040919\
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Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

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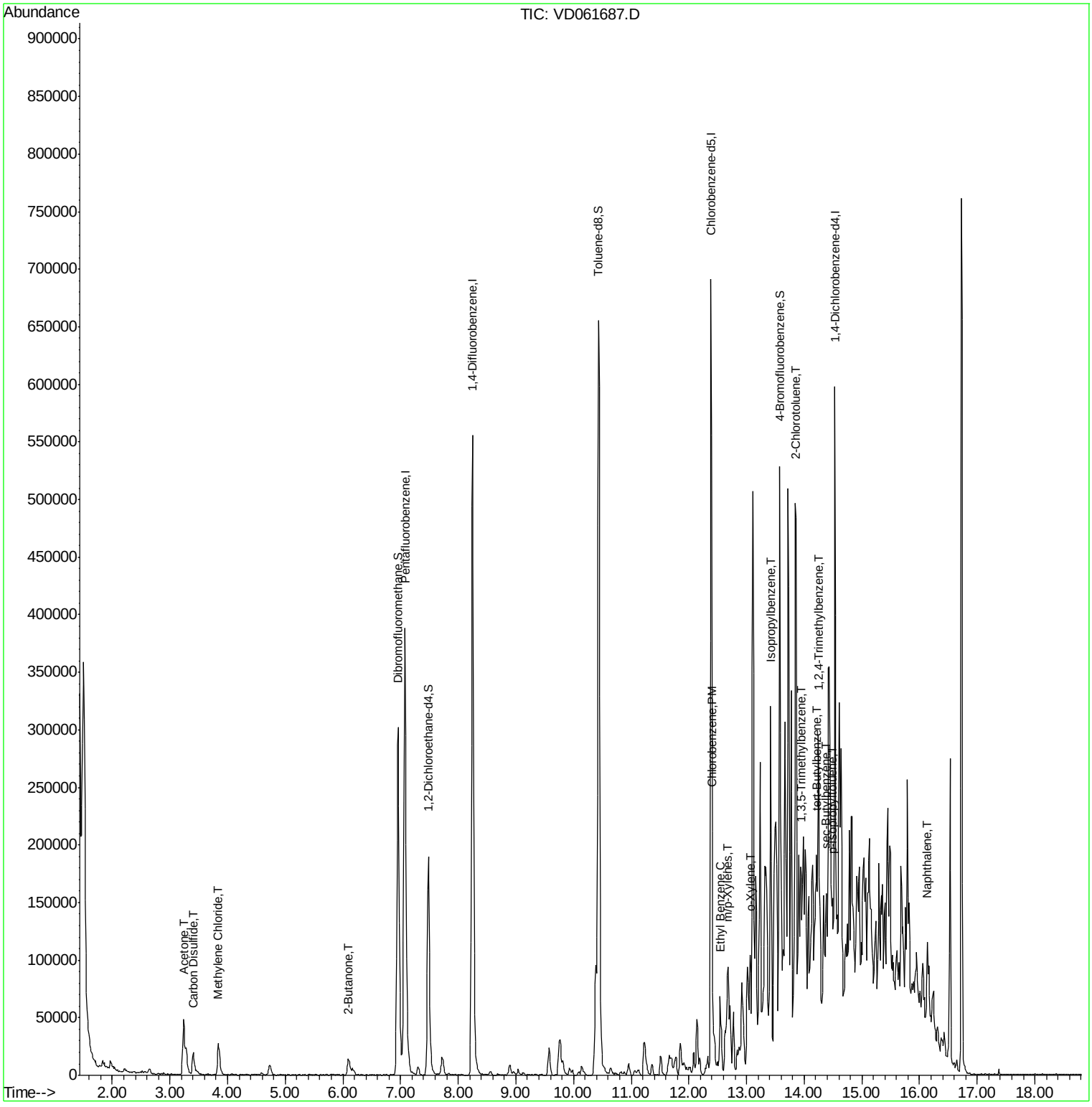
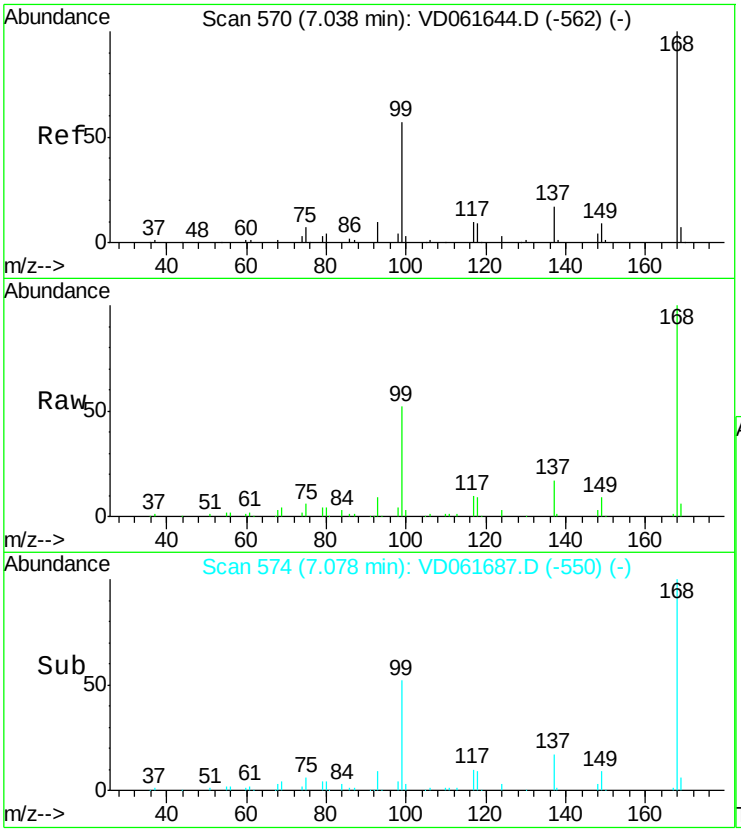


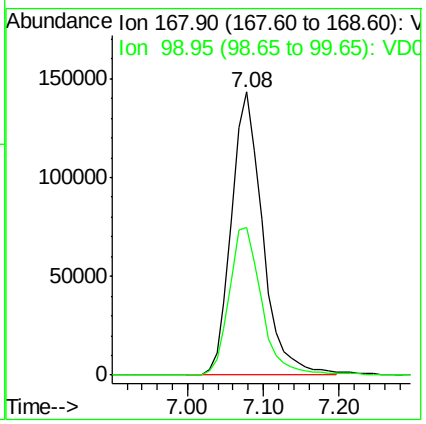


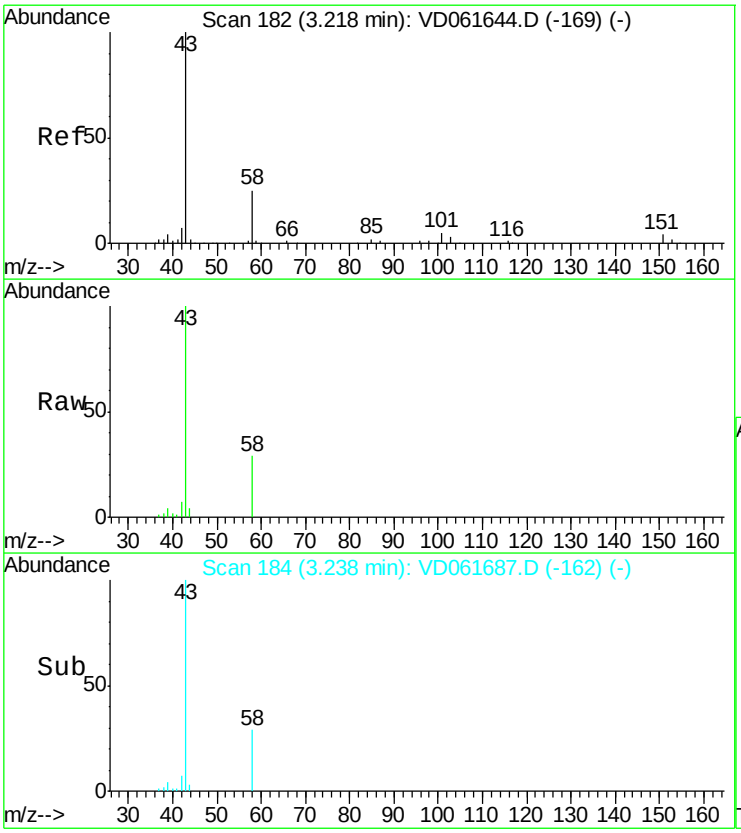
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.08 min Scan# 574
Delta R.T. 0.04 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion:168 Resp: 408423

Ion	Ratio	Lower	Upper
168	100		
99	52.1	46.8	70.2

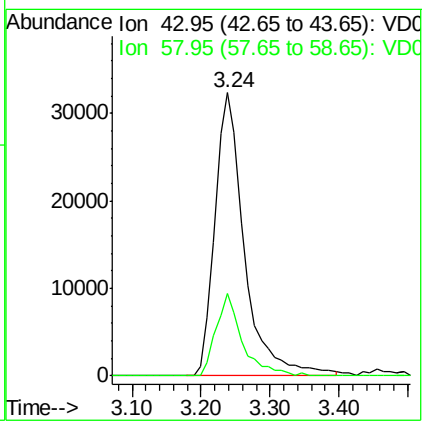


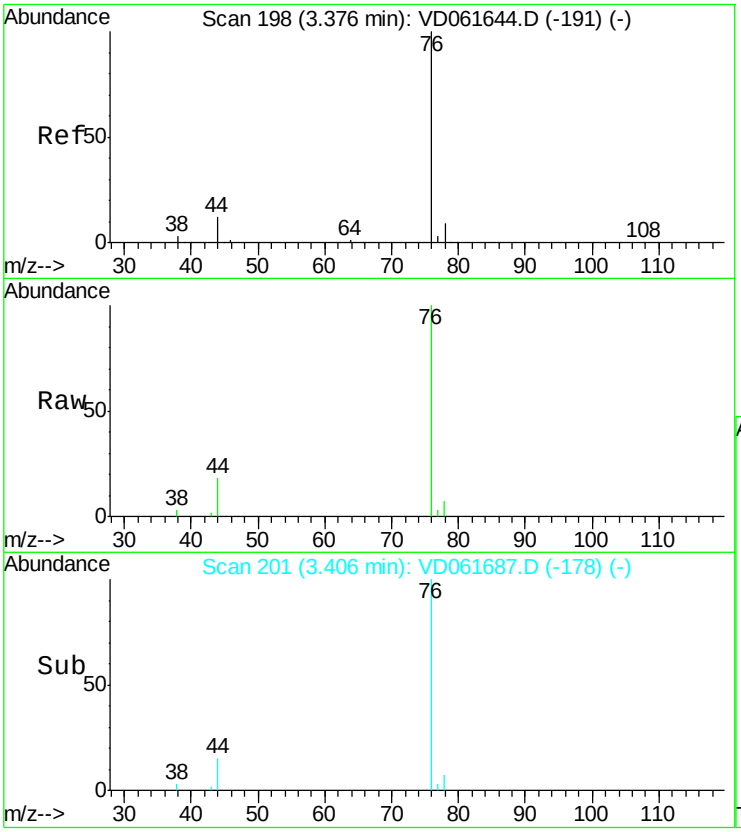


#16
Acetone
Concen: 103.837 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion: 43 Resp: 96095

Ion	Ratio	Lower	Upper
43	100		
58	29.2	19.7	29.5



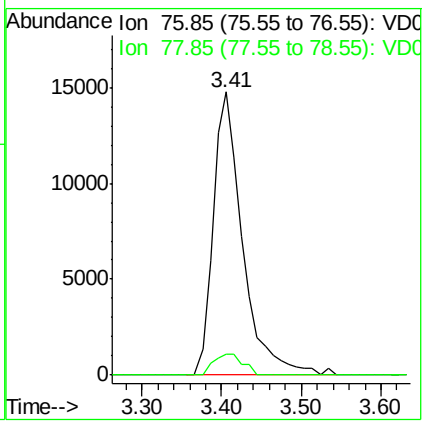


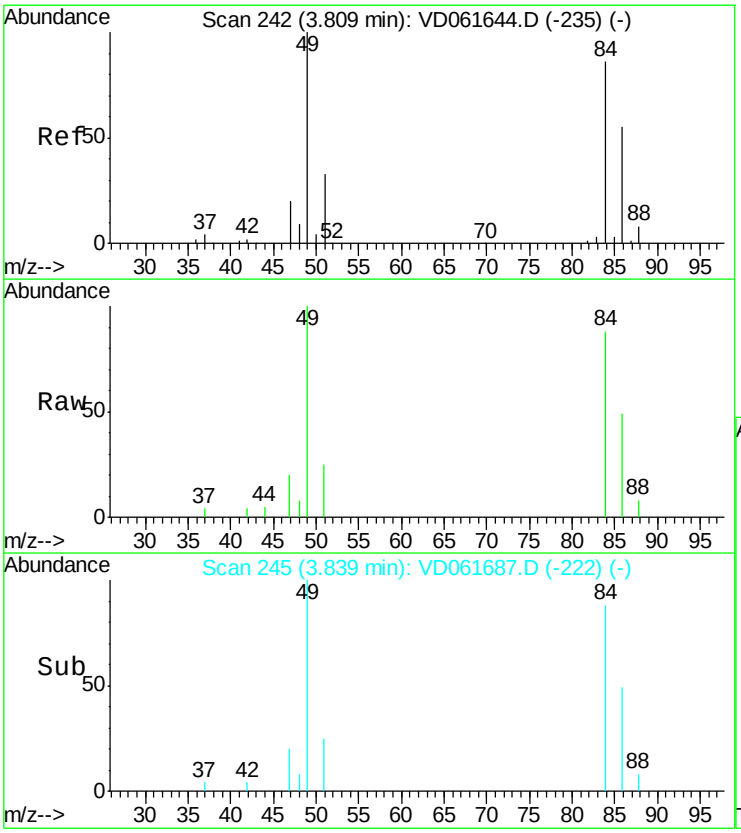
#17
Carbon Disulfide
Concen: 2.761 ug/l
RT: 3.41 min Scan# 201
Delta R.T. 0.03 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion: 76 Resp: 38194

Ion	Ratio	Lower	Upper
76	100		
78	7.3	7.4	11.2#

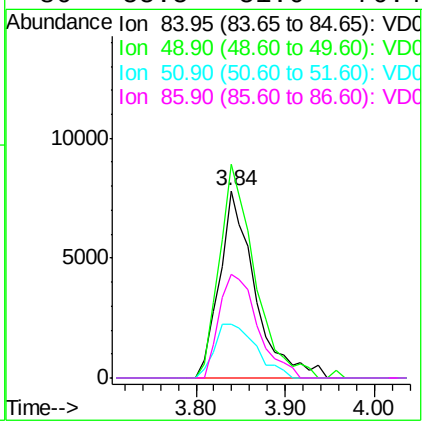


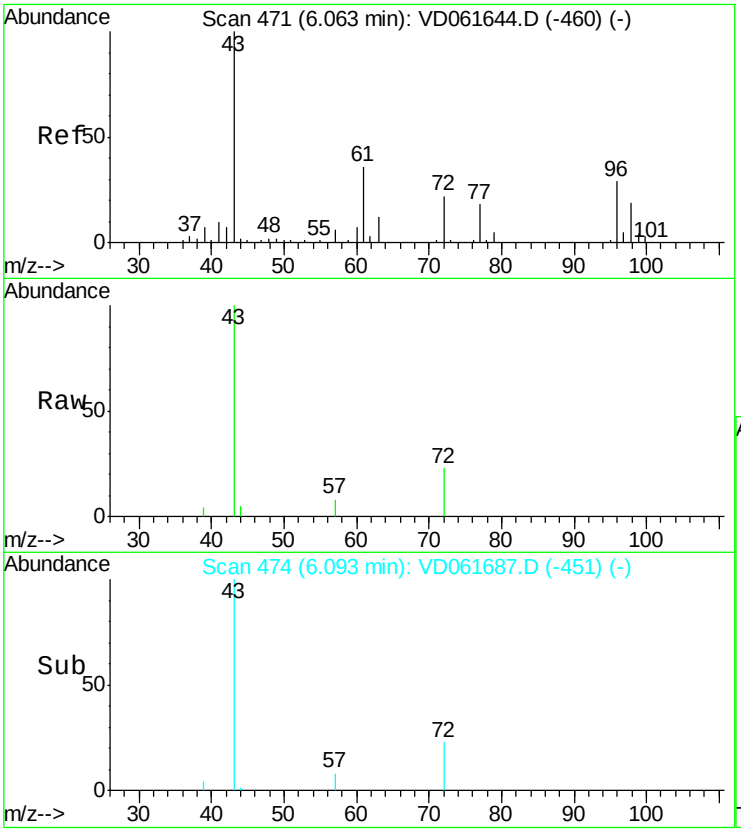


#20
Methylene Chloride
Concen: 4.152 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion: 84 Resp: 21802

Ion	Ratio	Lower	Upper
84	100		
49	114.2	93.0	139.4
51	28.8	30.4	45.6#
86	55.5	51.0	76.4



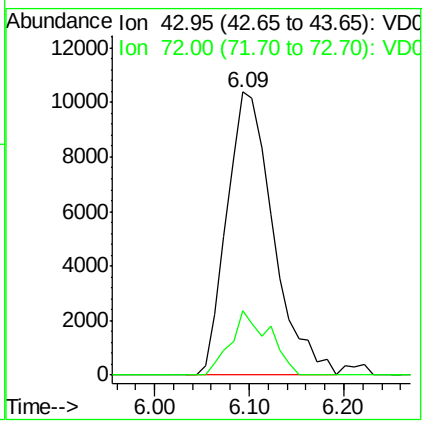


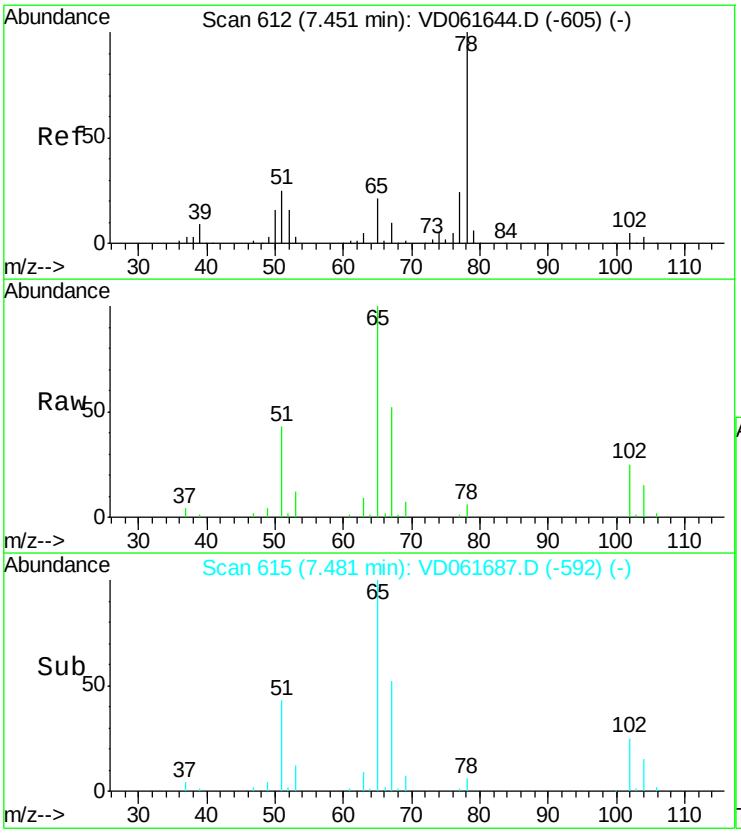
#25
2-Butanone
Concen: 33.033 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.03 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion: 43 Resp: 35242

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.4	26.2

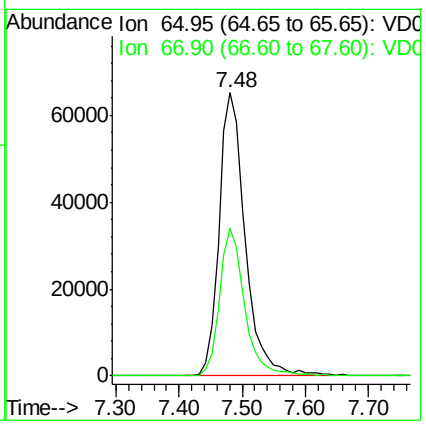


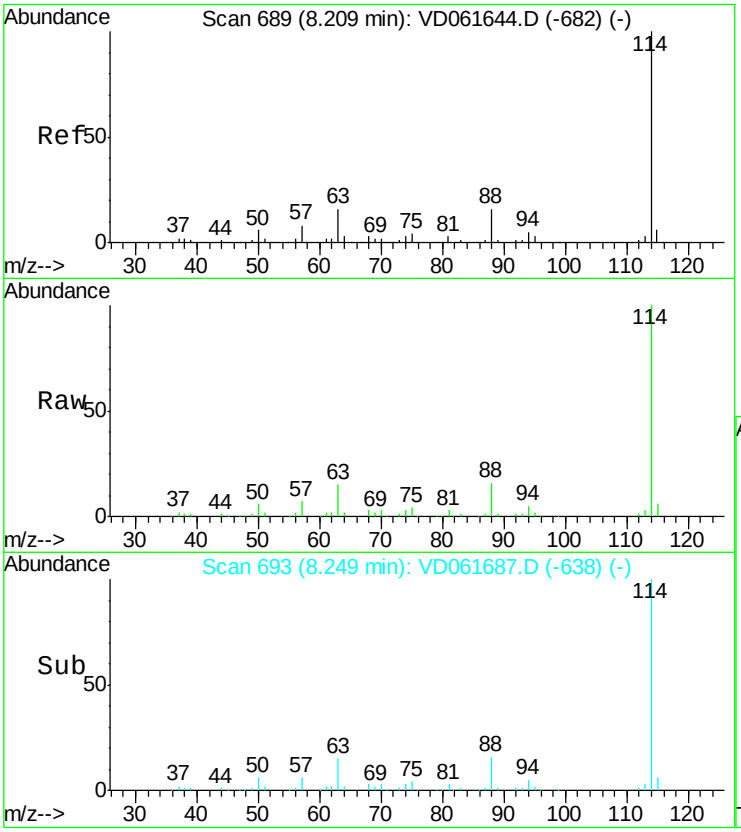


#33
1,2-Dichloroethane-d4
Concen: 60.357 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion: 65 Resp: 186855

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	99.4



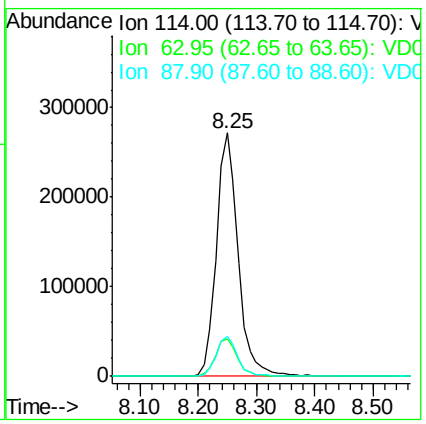


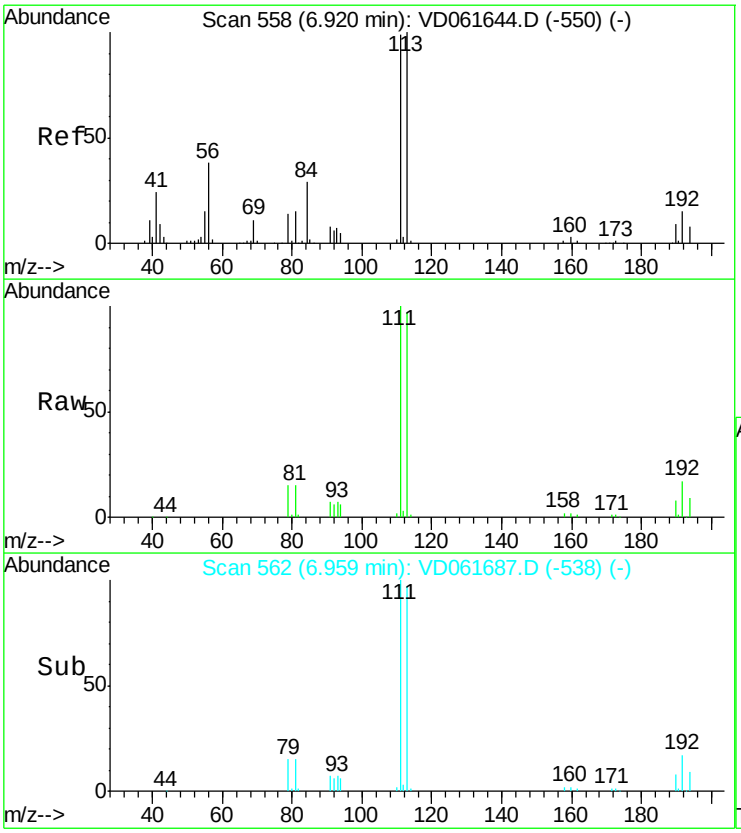
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.25 min Scan# 693
Delta R.T. 0.04 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion:114 Resp: 700559

Ion	Ratio	Lower	Upper
114	100		
63	15.3	0.0	31.2
88	16.5	0.0	31.8

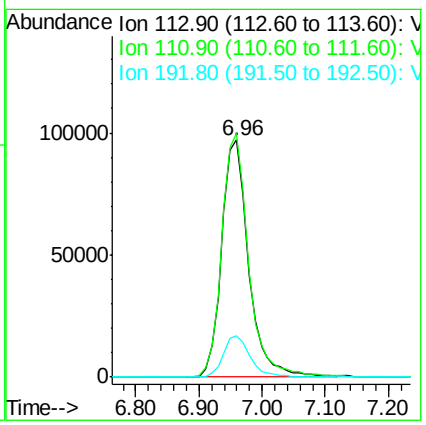


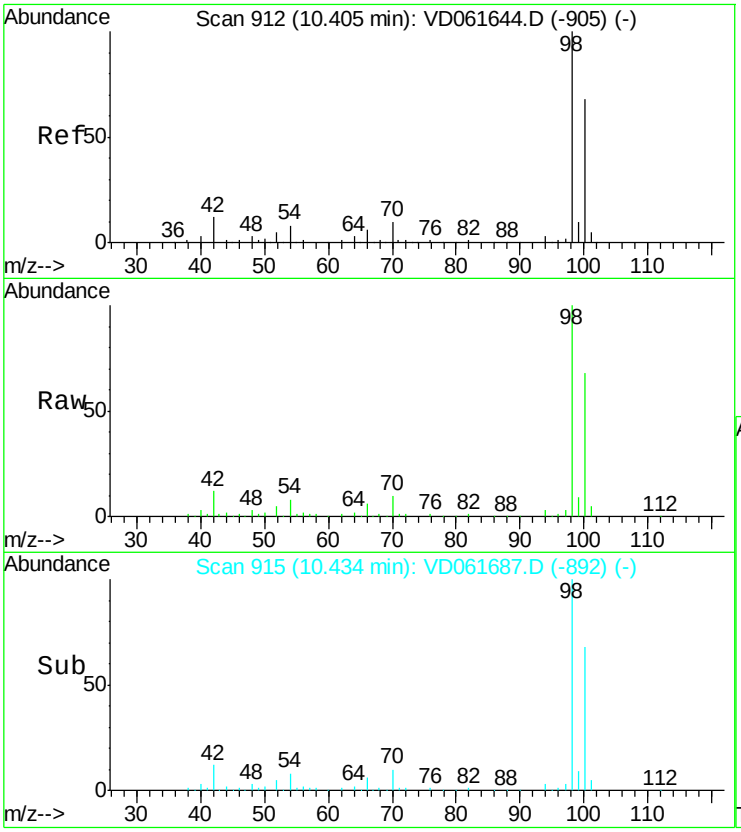


#35
Dibromofluoromethane
Concen: 59.241 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.04 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion:113 Resp: 287515

Ion	Ratio	Lower	Upper
113	100		
111	102.7	79.3	118.9
192	17.7	12.3	18.5



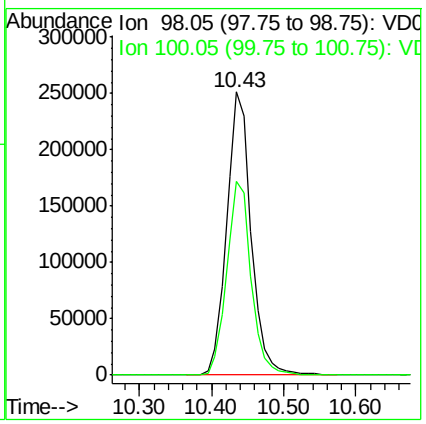


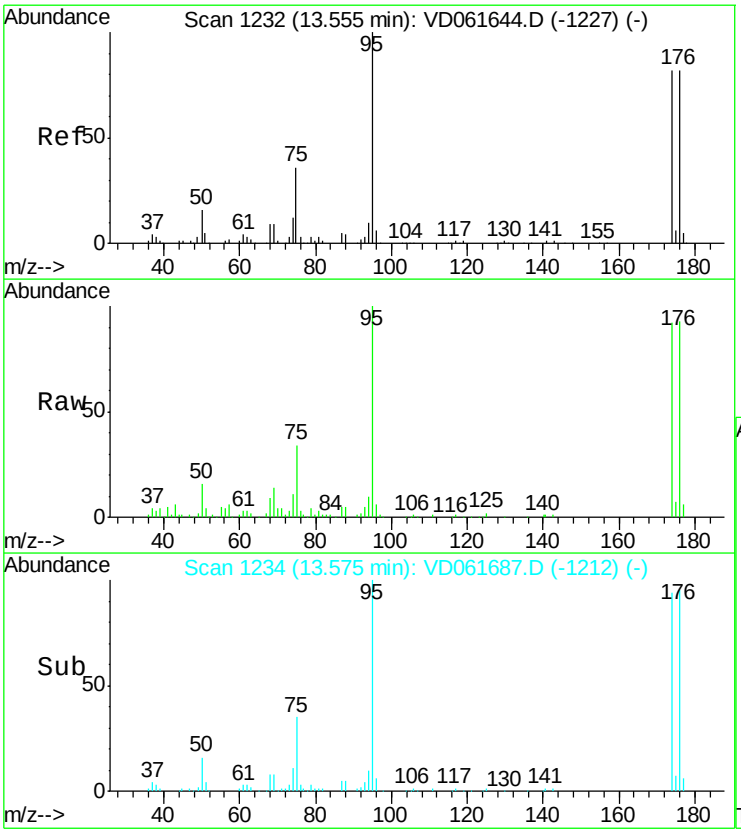
#50
Toluene-d8
Concen: 48.548 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion: 98 Resp: 591965

Ion	Ratio	Lower	Upper
98	100		
100	68.3	55.4	83.0

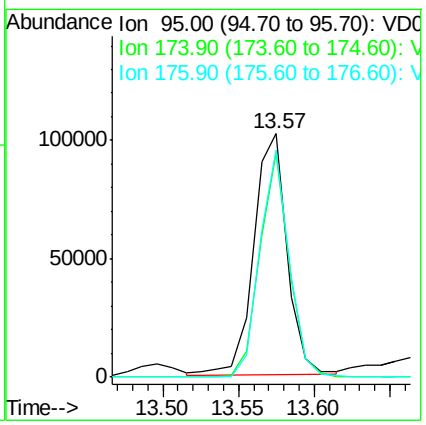


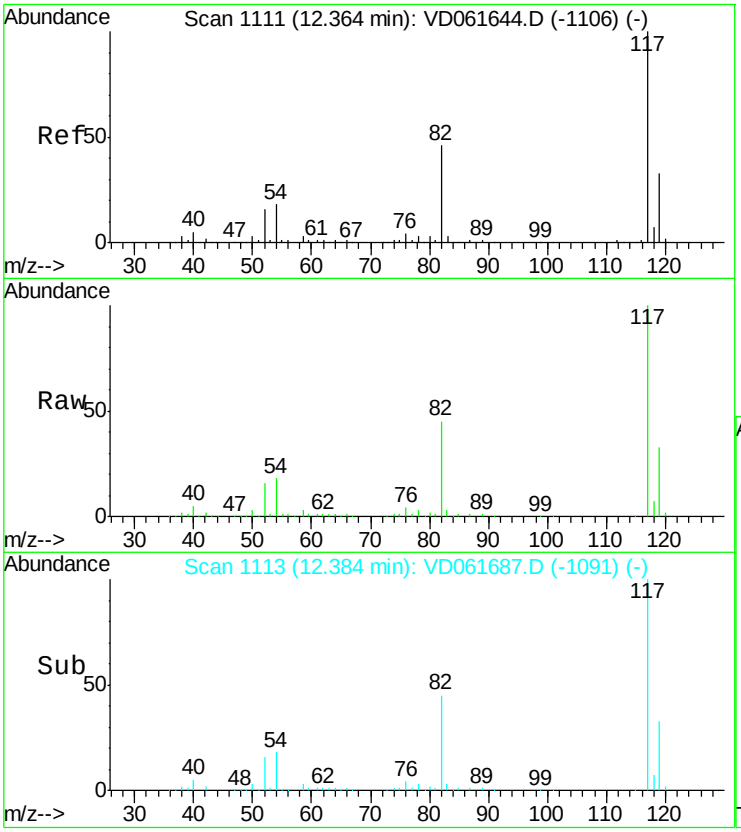


#62
4-Bromofluorobenzene
Concen: 34.408 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion: 95 Resp: 157567

Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	164.6
176	93.4	0.0	165.0



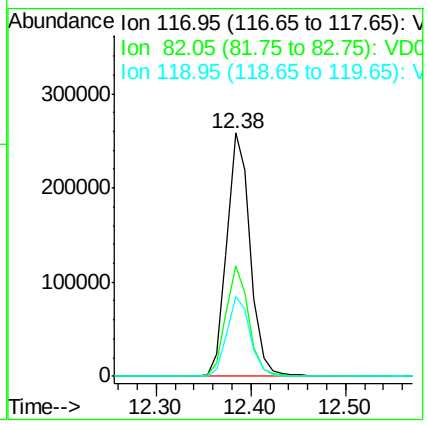


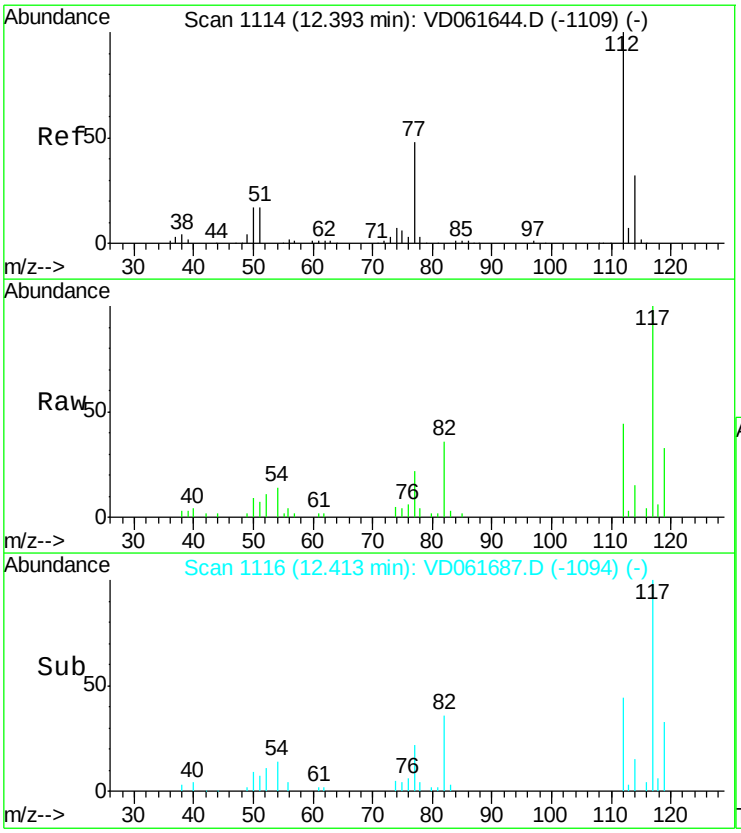
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion:117 Resp: 439546

Ion	Ratio	Lower	Upper
117	100		
82	45.5	36.8	55.2
119	32.9	26.1	39.1

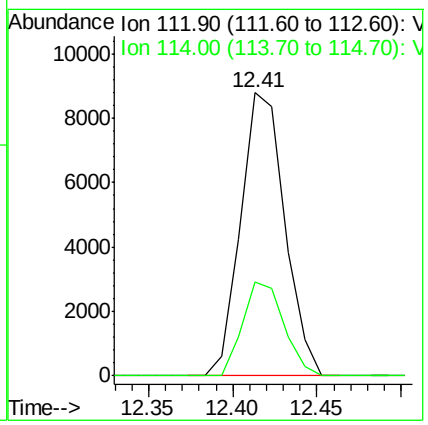


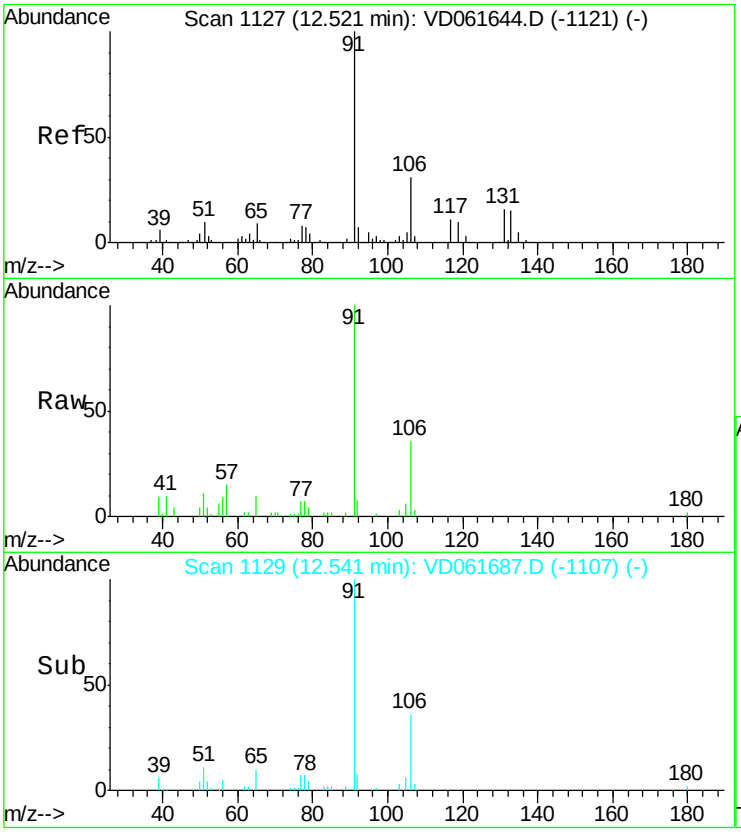


#65
Chlorobenzene
Concen: 1.825 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion:112 Resp: 15905

Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.6	38.4



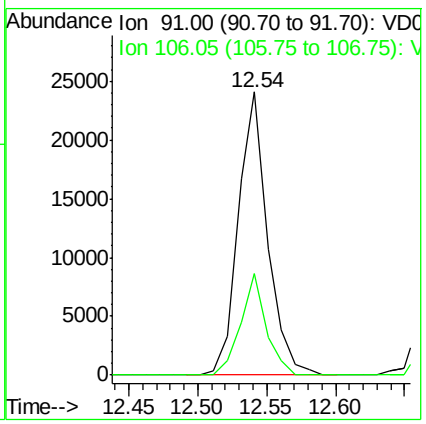


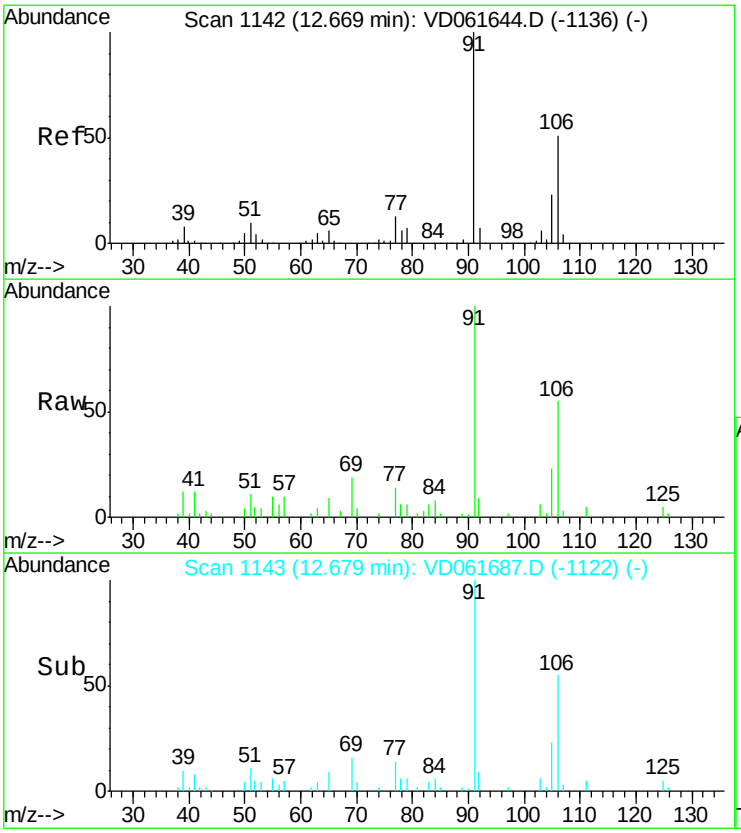
#67
Ethyl Benzene
Concen: 2.685 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion: 91 Resp: 35643

Ion	Ratio	Lower	Upper
91	100		
106	35.9	24.6	37.0

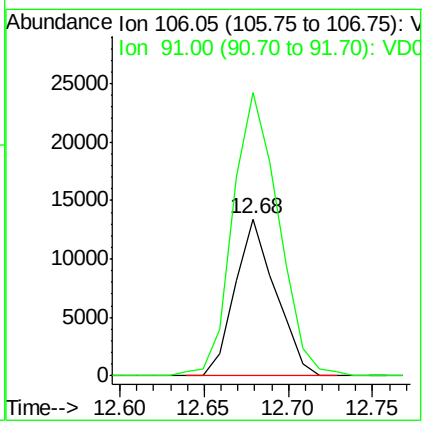


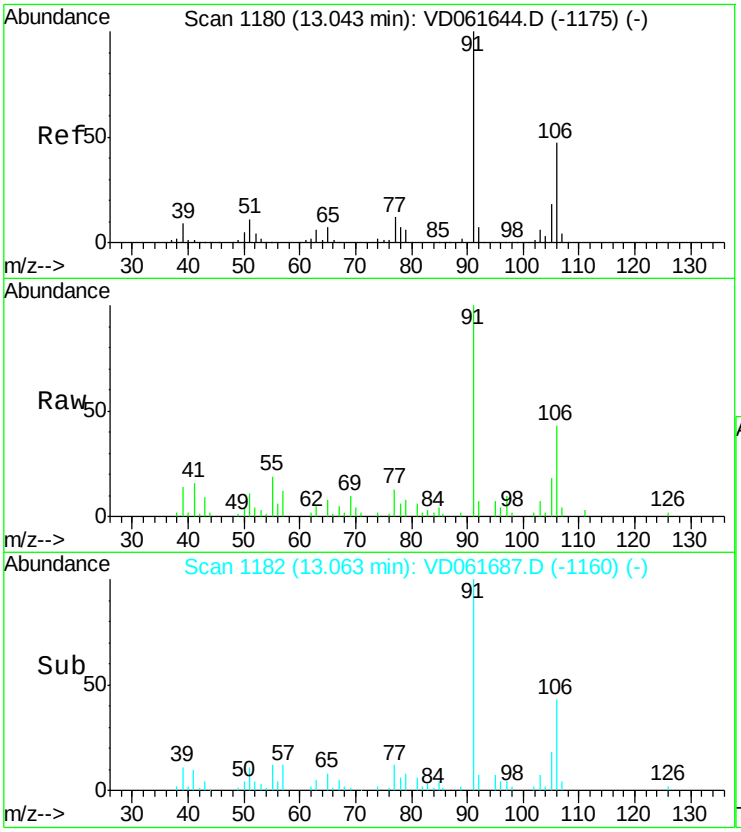


#68
m/p-Xylenes
Concen: 4.381 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion:106 Resp: 22417

Ion	Ratio	Lower	Upper
106	100		
91	180.6	156.7	235.1



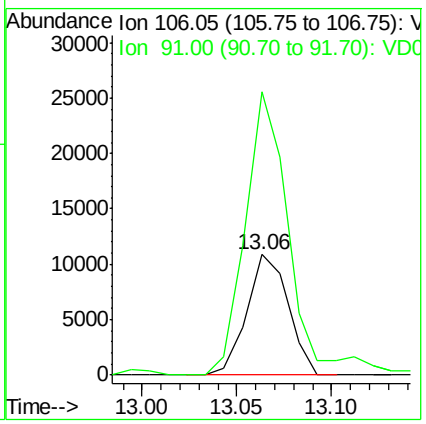


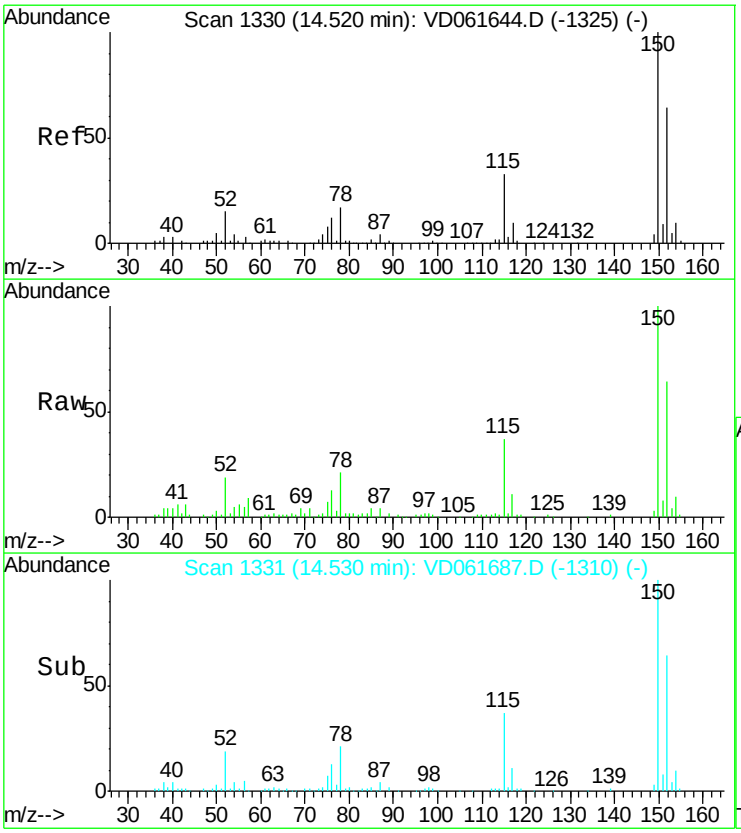
#69
o-Xylene
Concen: 3.350 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion:106 Resp: 16548

Ion	Ratio	Lower	Upper
106	100		
91	234.9	107.3	321.9

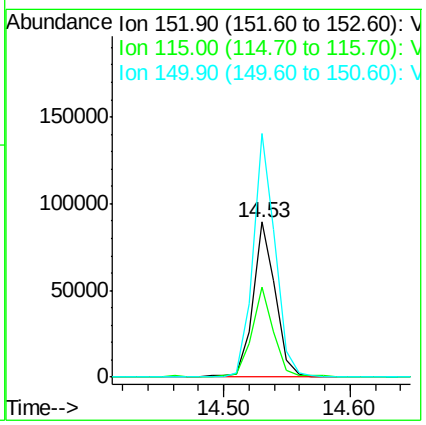


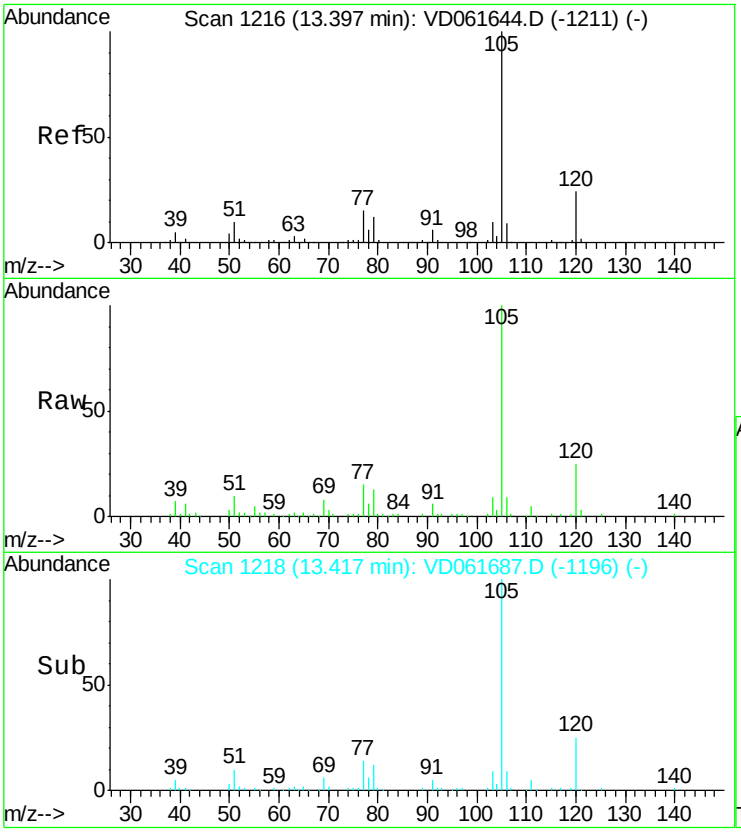


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion:152 Resp: 110570

Ion	Ratio	Lower	Upper
152	100		
115	58.4	26.4	79.2
150	157.0	0.0	320.6



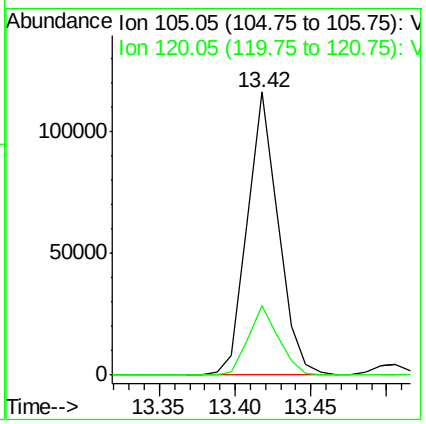


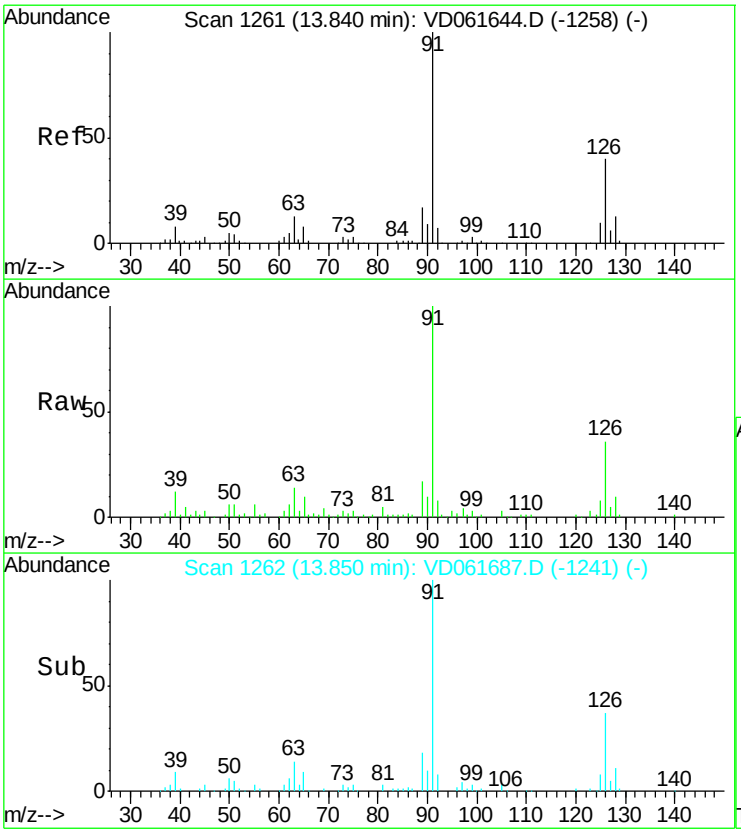
#73
Isopropylbenzene
Concen: 22.517 ug/l
RT: 13.42 min Scan# 1218
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion:105 Resp: 165894

Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.2	36.4

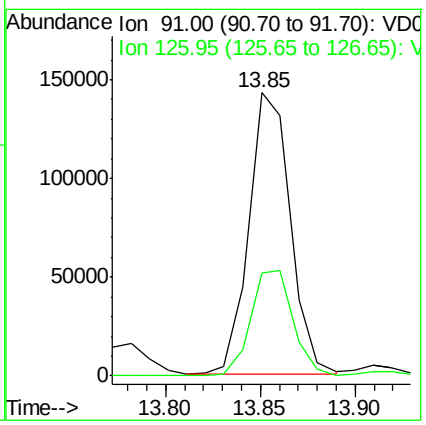


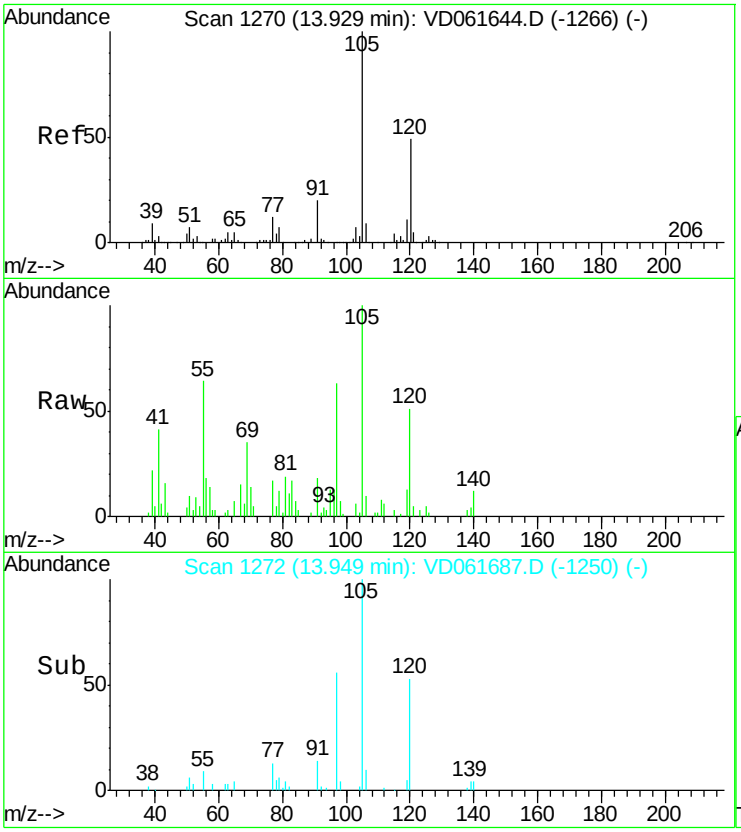


#79
2-Chlorotoluene
Concen: 43.055 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion: 91 Resp: 216985

Ion	Ratio	Lower	Upper
91	100		
126	36.3	20.0	59.9



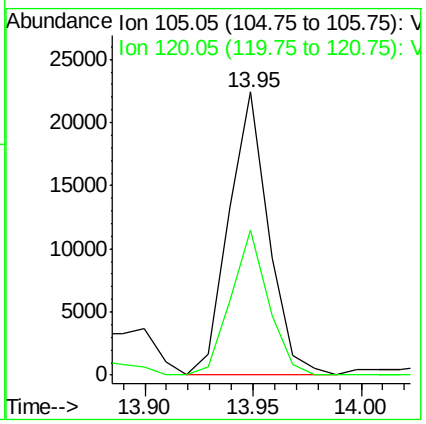


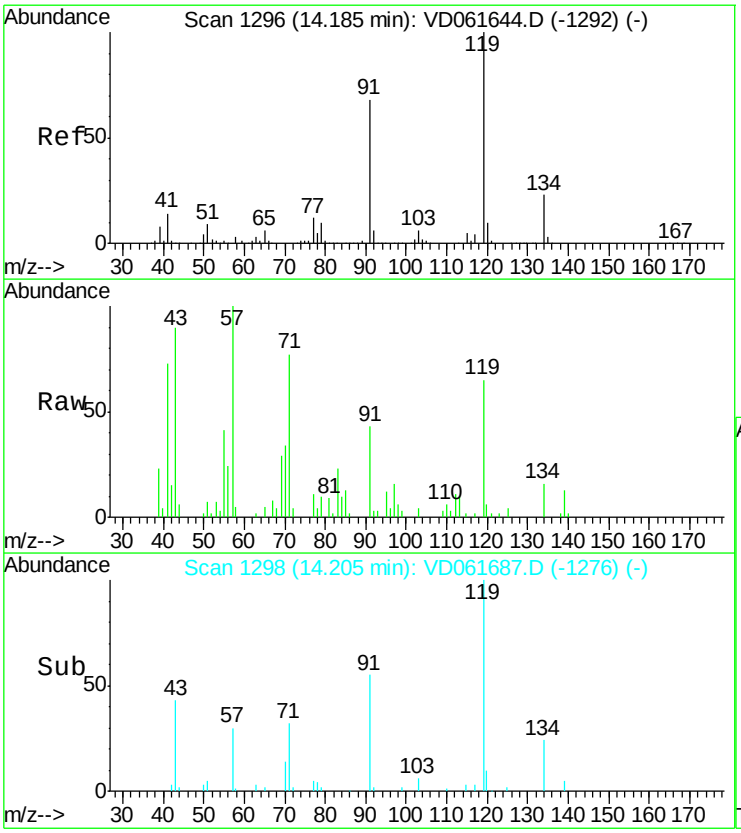
#80
1,3,5-Trimethylbenzene
Concen: 4.928 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion:105 Resp: 28819

Ion	Ratio	Lower	Upper
105	100		
120	51.1	24.4	73.2

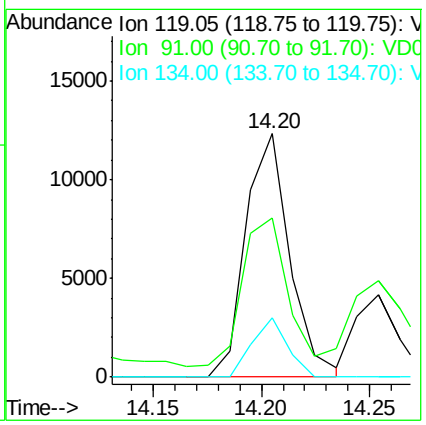


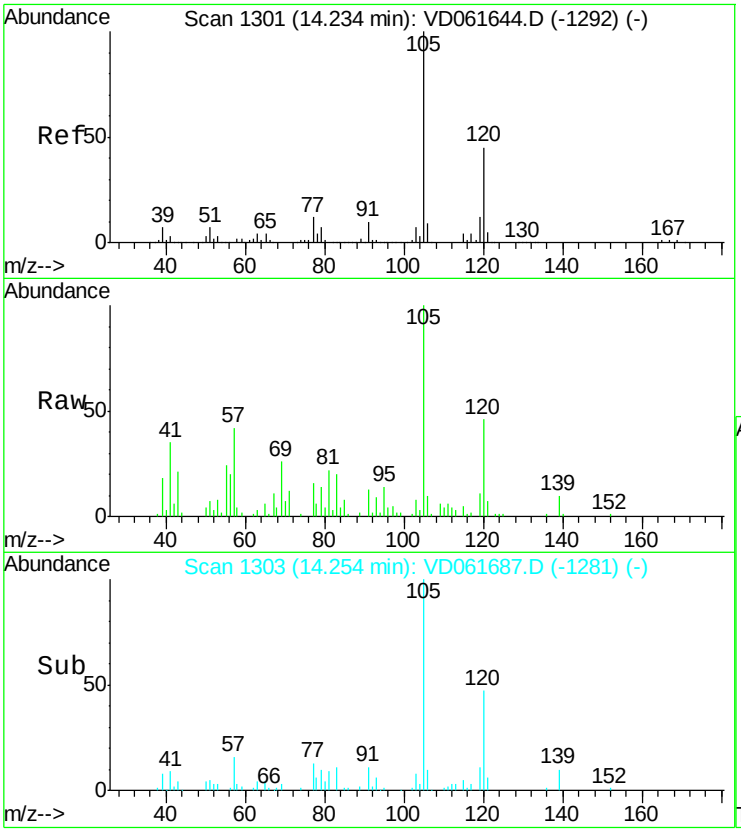


#83
tert-Butylbenzene
Concen: 2.494 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion:119 Resp: 17584

Ion	Ratio	Lower	Upper
119	100		
91	65.3	33.9	101.6
134	24.4	11.6	34.8



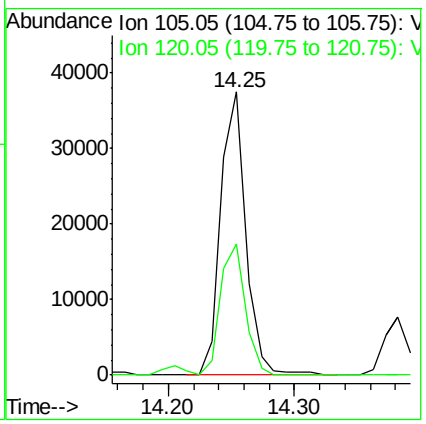


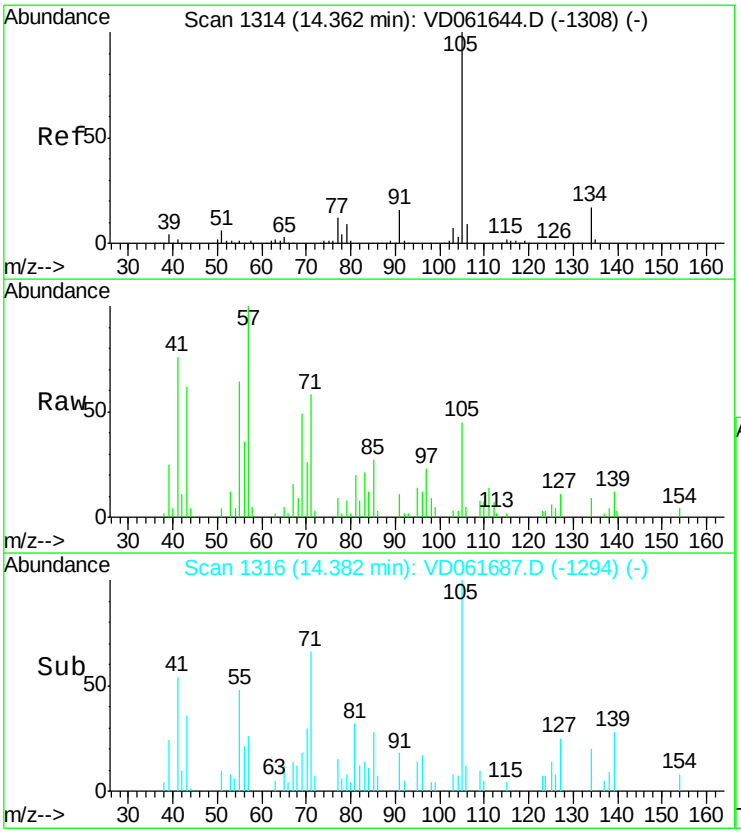
#84
1,2,4-Trimethylbenzene
Concen: 8.711 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion:105 Resp: 51409

Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.6	67.8

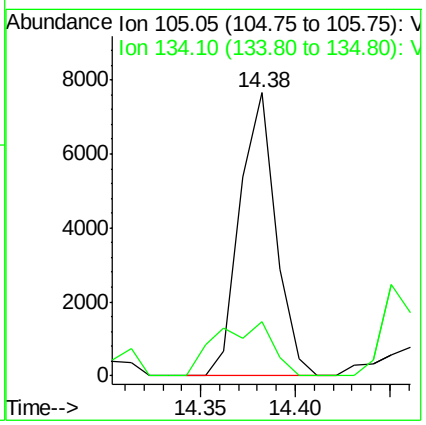


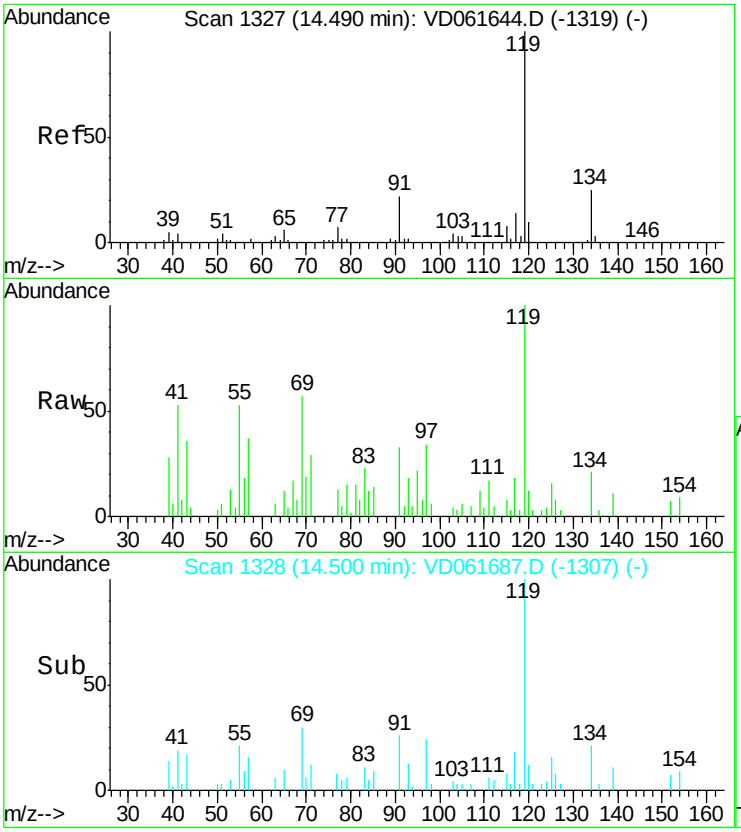


#85
sec-Butylbenzene
Concen: 1.322 ug/l
RT: 14.38 min Scan# 1316
Delta R.T. 0.02 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion:105 Resp: 10071

Ion	Ratio	Lower	Upper
105	100		
134	19.2	8.6	25.7



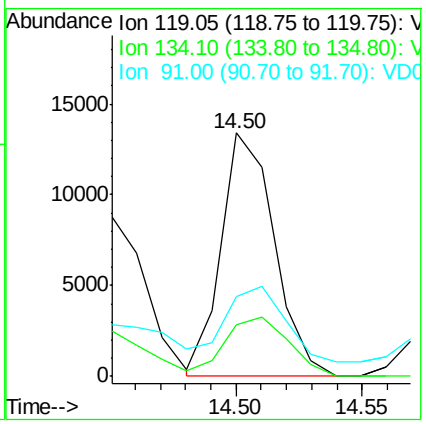


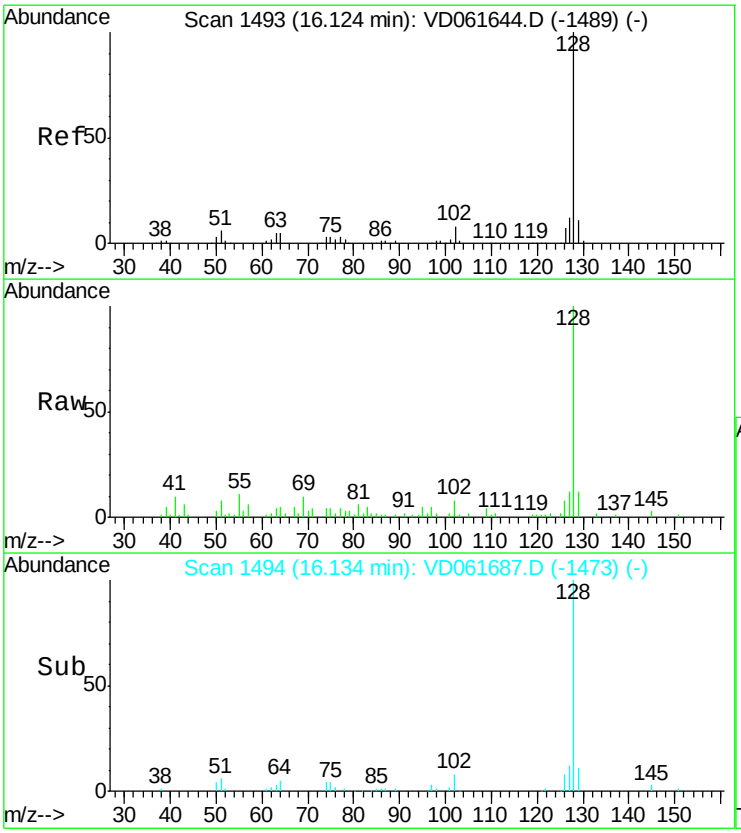
#86
p-Isopropyltoluene
Concen: 2.965 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4

Tgt Ion:119 Resp: 19592

Ion	Ratio	Lower	Upper
119	100		
134	21.4	12.5	37.5
91	32.5	11.0	33.0





#95
Naphthalene
Concen: 16.744 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061687.D
Acq: 9 Apr 2019 20:57

Tgt Ion:128 Resp: 40943

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.4	14.2
129	12.3	8.8	13.2