Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
Data File : VF060800.D
Acq On : 20 Nov 2018 2:42
Operator : VA/AP
Sample : J5950-02
Misc : 6.20g/5mL/MSVOA-F/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SSI-04

Quant Time: Nov 20 03:59:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.88	168	194328	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	5.61	114	337802	50.00	ug/l		0.00
63) Chlorobenzene-d5	9.79	117	275255	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	144992	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	4.86	65	109948	49.60	ug/l		0.00
Spiked Amount 50.000			Recovery = 99.20%				
35) Dibromofluoromethane	4.13	113	135299	53.28	ug/l		0.00
Spiked Amount 50.000			Recovery = 106.56%				
50) Toluene-d8	7.57	98	320510	49.12	ug/l		0.00
Spiked Amount 50.000			Recovery = 98.24%				
62) 4-Bromofluorobenzene	11.42	95	153706	51.25	ug/l		0.00
Spiked Amount 50.000			Recovery = 102.50%				
Target Compounds							Qvalue
39) Methylcyclohexane	5.46	83	8813	1.939	ug/l		93
67) Ethyl Benzene	9.92	91	32145	3.070	ug/l		99
73) Isopropylbenzene	11.13	105	30024	2.573	ug/l		99
78) n-propylbenzene	11.61	91	101818	7.480	ug/l		95
80) 1,3,5-Trimethylbenzene	11.83	105	69564	7.508	ug/l		97
84) 1,2,4-Trimethylbenzene	12.22	105	486304	50.748	ug/l		96
85) sec-Butylbenzene	12.32	105	90180	6.757	ug/l		89
86) p-Isopropyltoluene	12.47	119	56180	5.040	ug/l		95
89) n-Butylbenzene	12.85	91	118427	10.411	ug/l	#	84
95) Naphthalene	14.47	128	254480	42.627	ug/l	#	90

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

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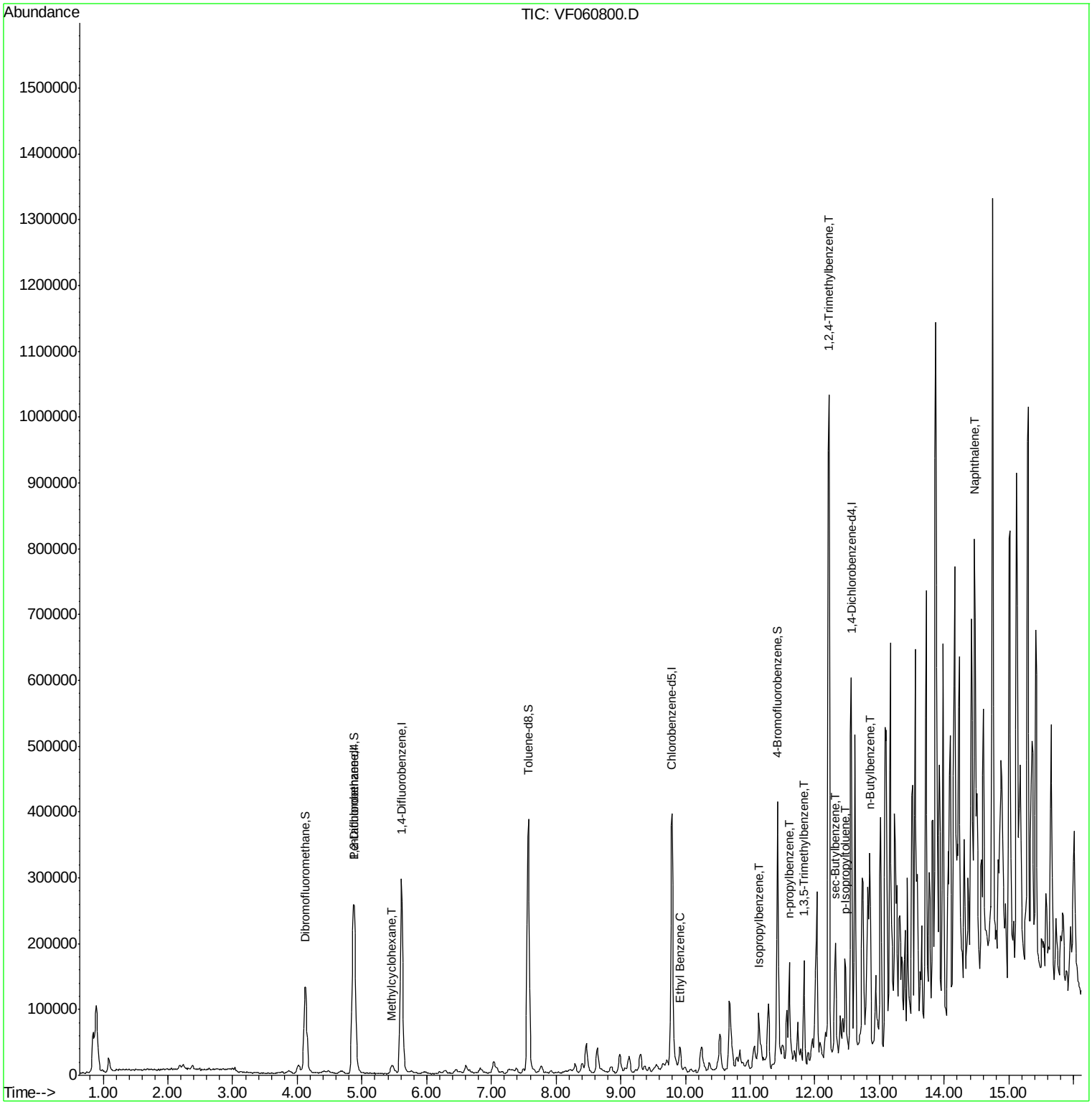
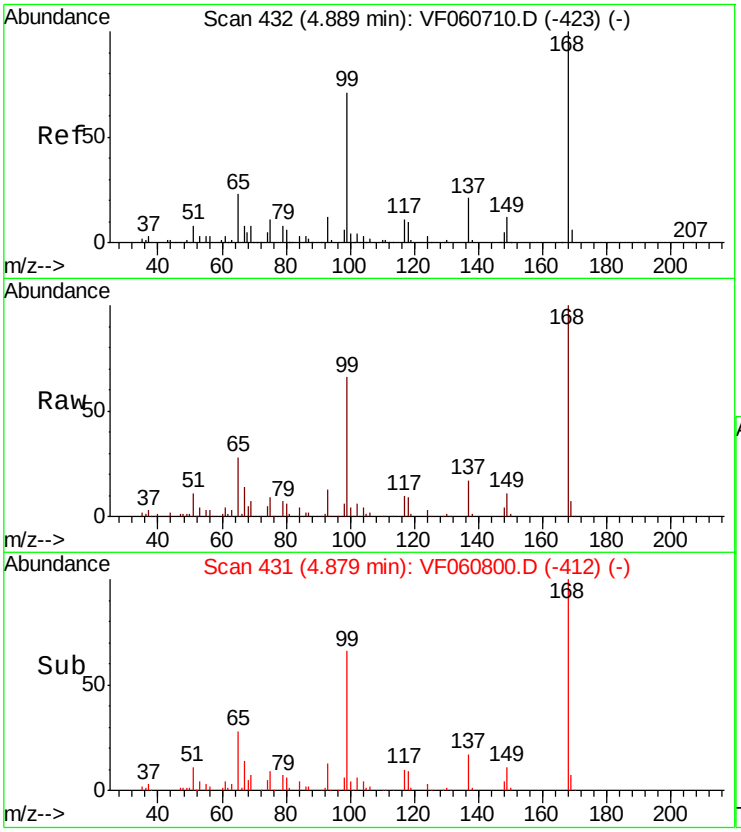


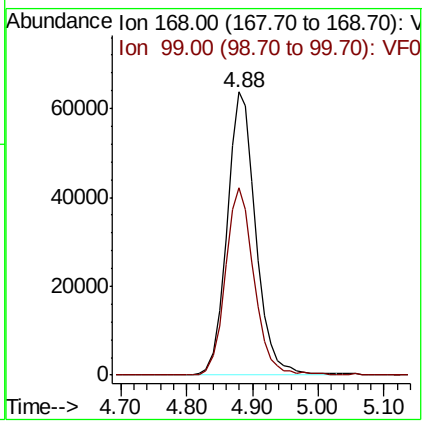


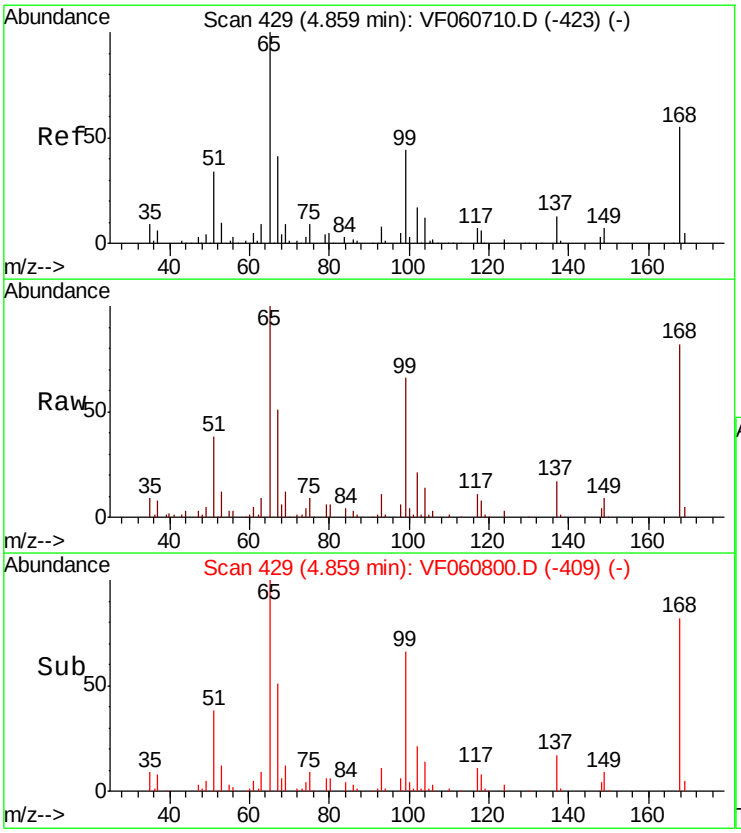
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Tgt Ion:168 Resp: 194328

Ion	Ratio	Lower	Upper
168	100		
99	66.4	57.2	85.8

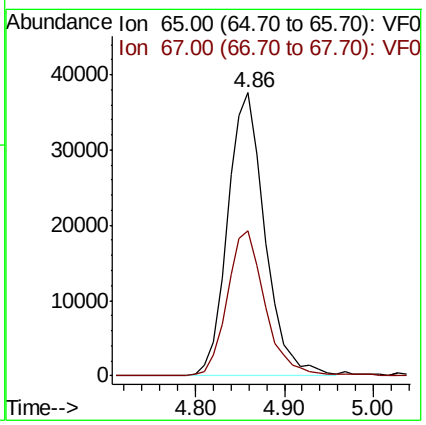


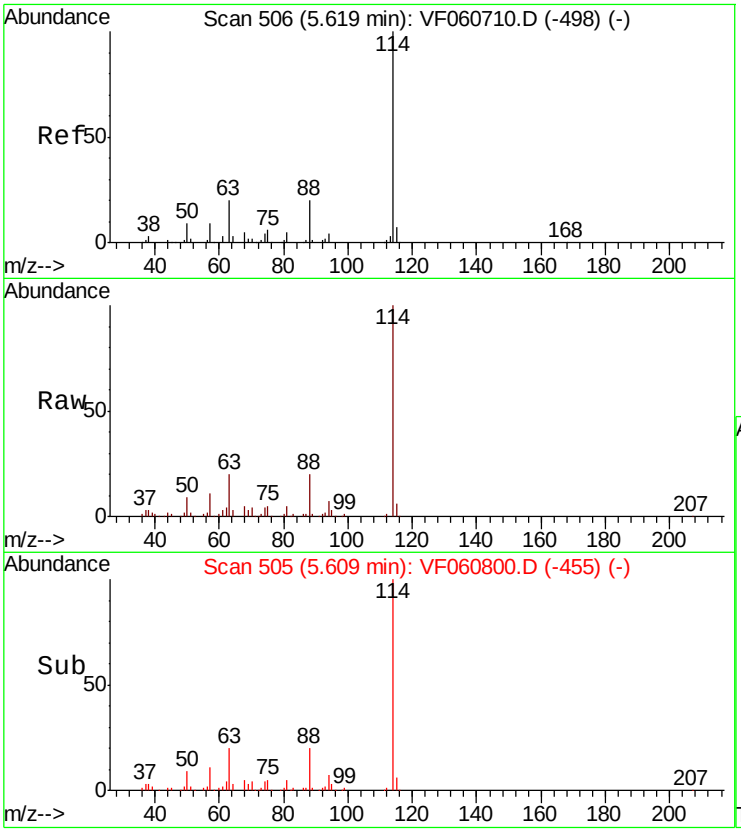


#33
1,2-Dichloroethane-d4
Concen: 49.603 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Tgt Ion: 65 Resp: 109948

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	90.2



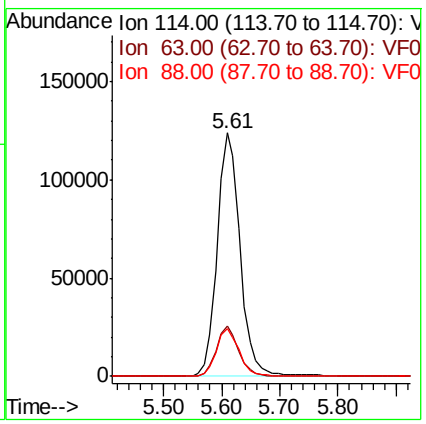


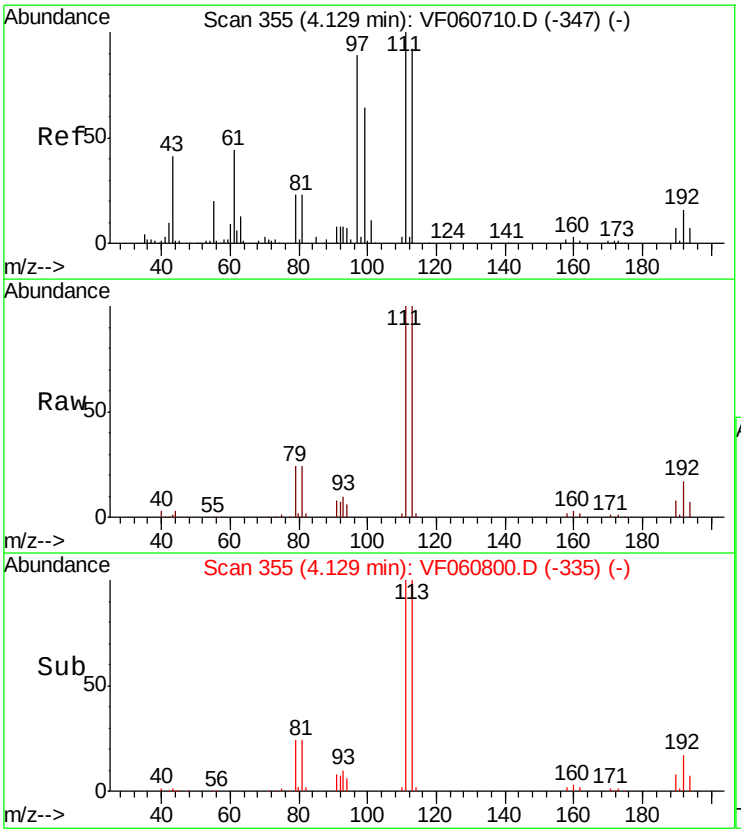
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Tgt Ion:114 Resp: 337802

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	19.8	0.0	39.6

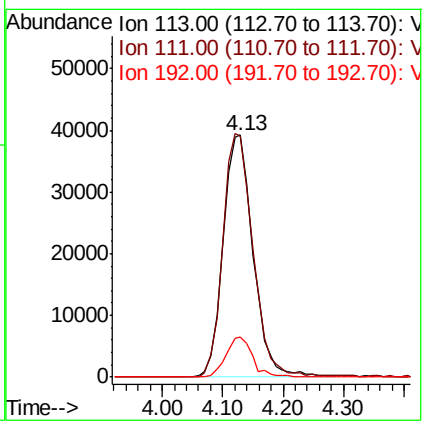


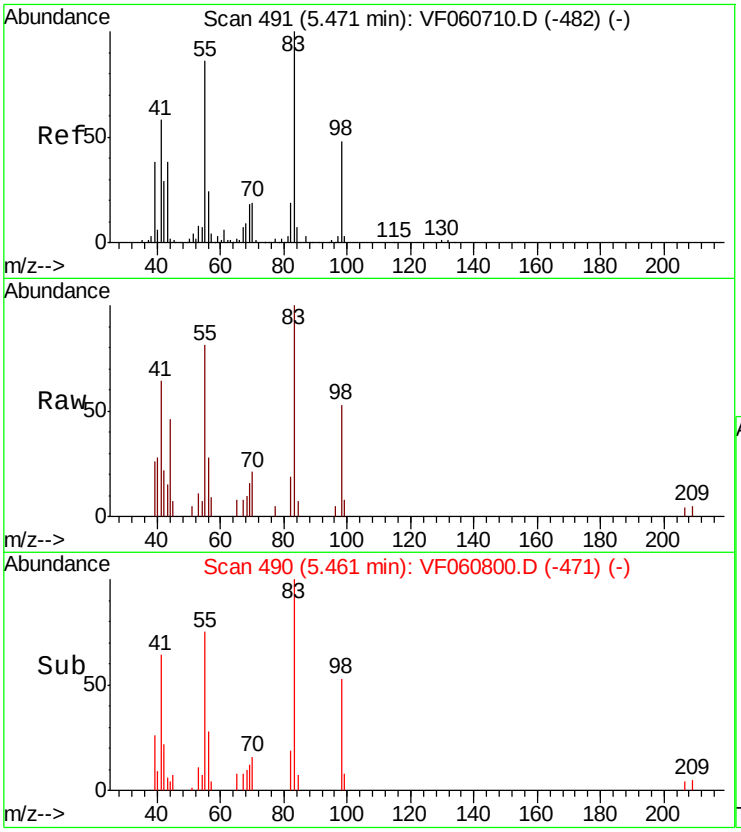


#35
Dibromofluoromethane
Concen: 53.283 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Tgt Ion:113 Resp: 135299

Ion	Ratio	Lower	Upper
113	100		
111	99.6	87.1	130.7
192	16.6	13.8	20.6



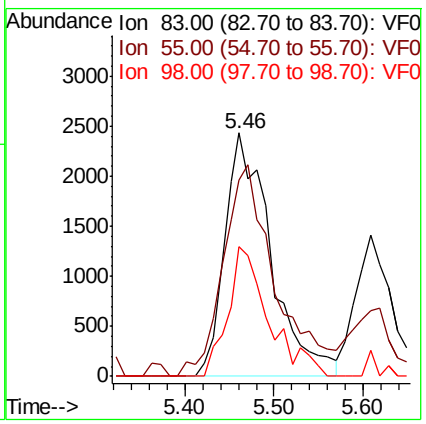


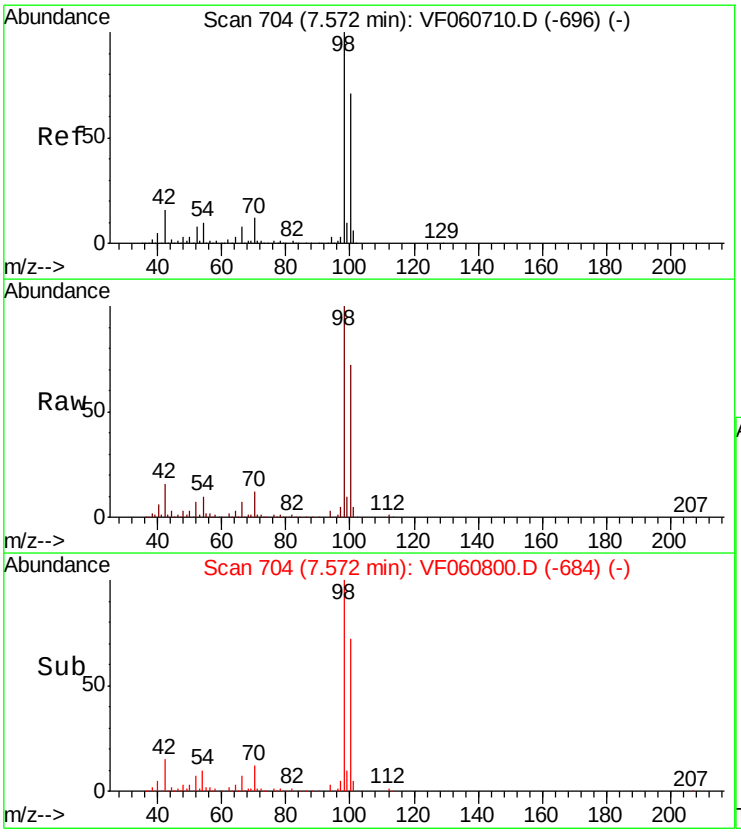
#39
Methylcyclohexane
Concen: 1.939 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Tgt Ion: 83 Resp: 8813

Ion	Ratio	Lower	Upper
83	100		
55	80.8	69.0	103.4
98	53.4	38.5	57.7

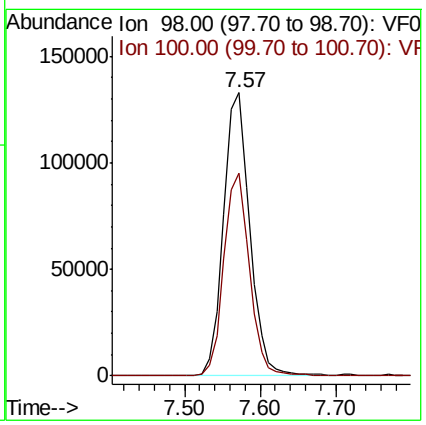


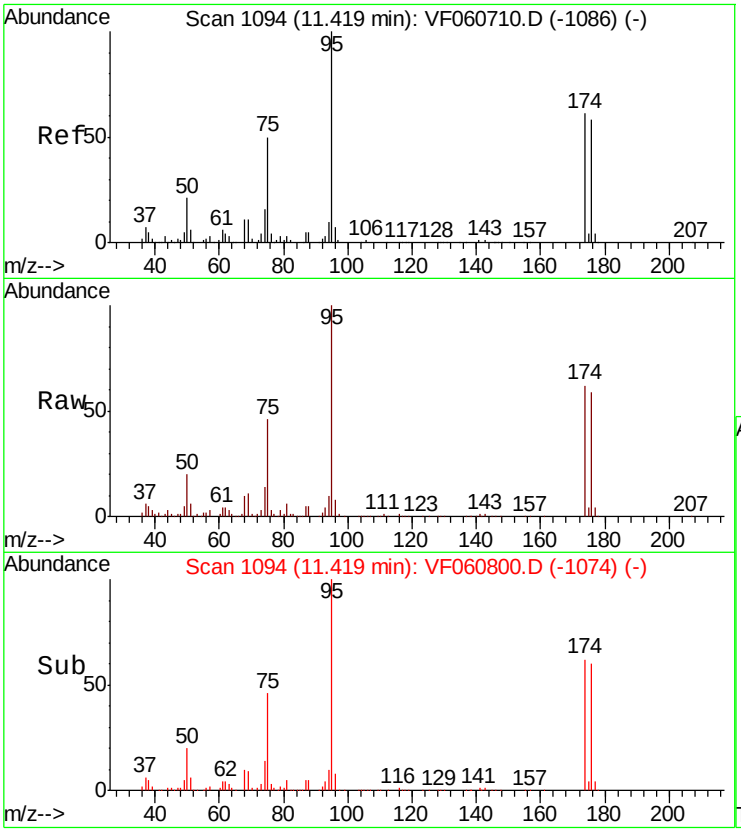


#50
Toluene-d8
Concen: 49.124 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Tgt Ion: 98 Resp: 320510

Ion	Ratio	Lower	Upper
98	100		
100	71.7	56.5	84.7



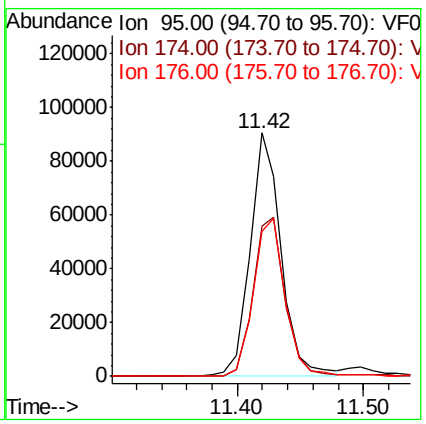


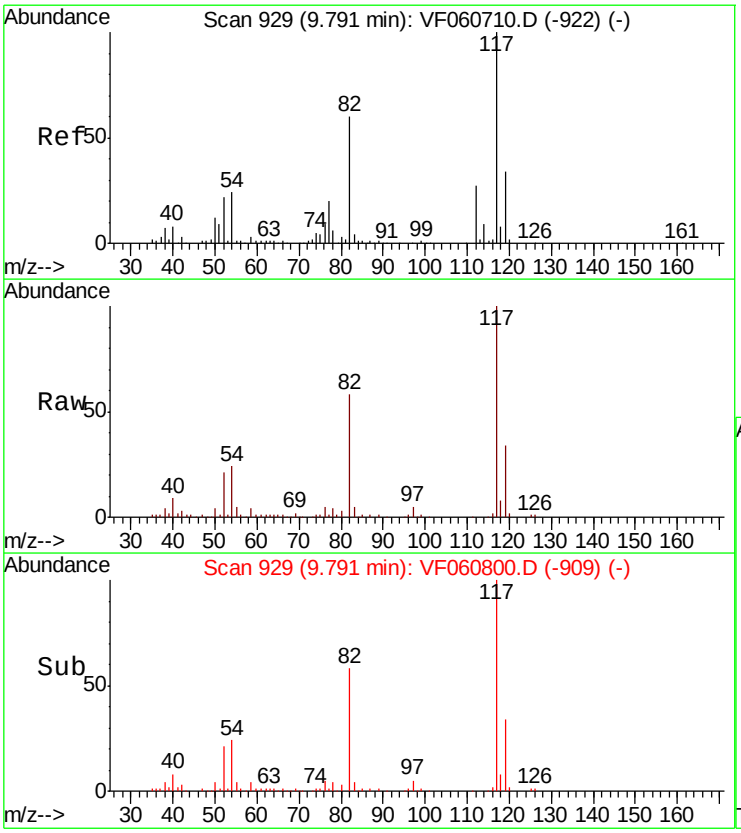
#62
4-Bromofluorobenzene
Concen: 51.254 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Tgt Ion: 95 Resp: 153706

Ion	Ratio	Lower	Upper
95	100		
174	61.5	0.0	121.6
176	59.4	0.0	115.2

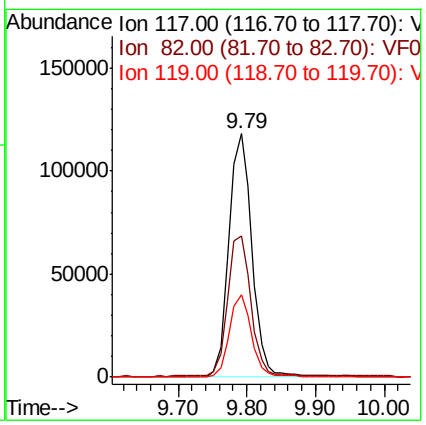


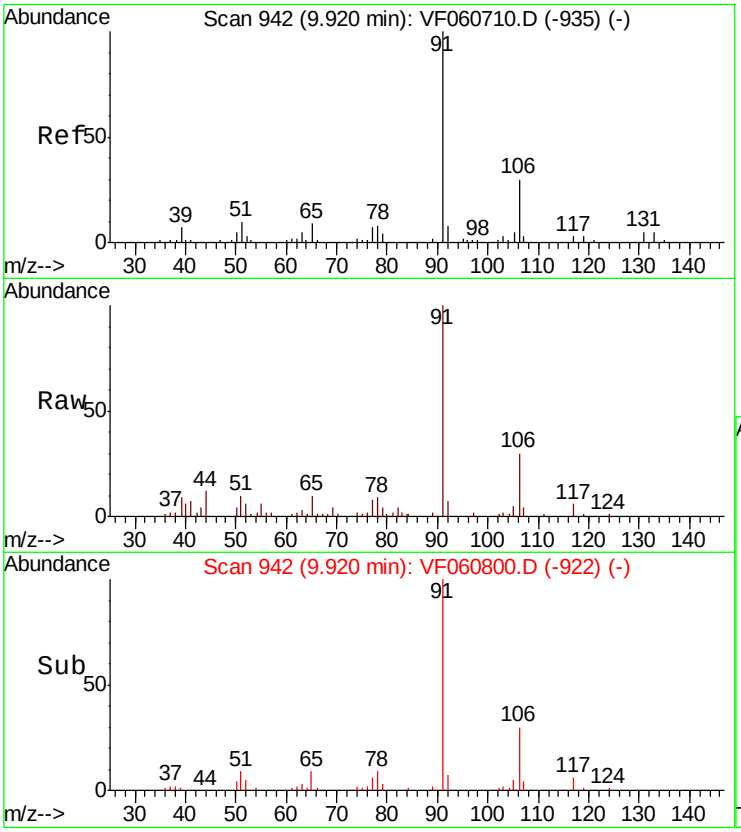


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Tgt Ion:117 Resp: 275255

Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.9	71.9
119	34.0	26.8	40.2



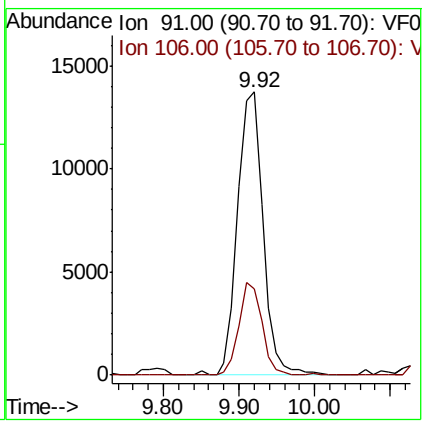


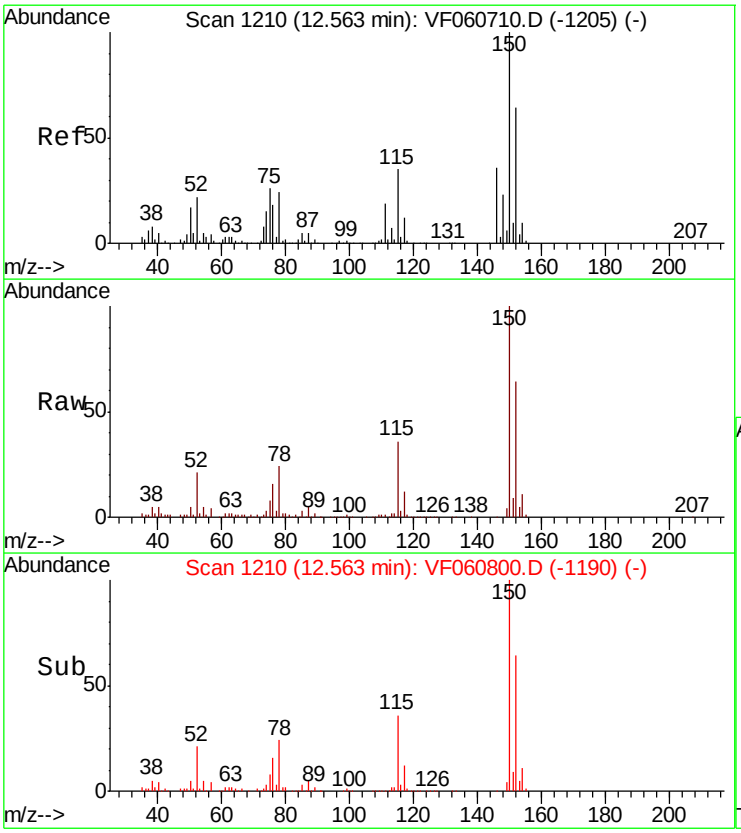
#67
Ethyl Benzene
Concen: 3.070 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Tgt Ion: 91 Resp: 32145

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.9	35.9

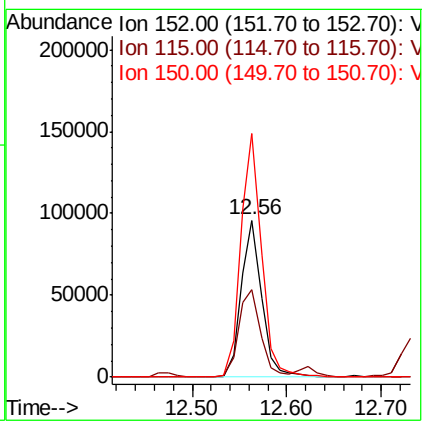


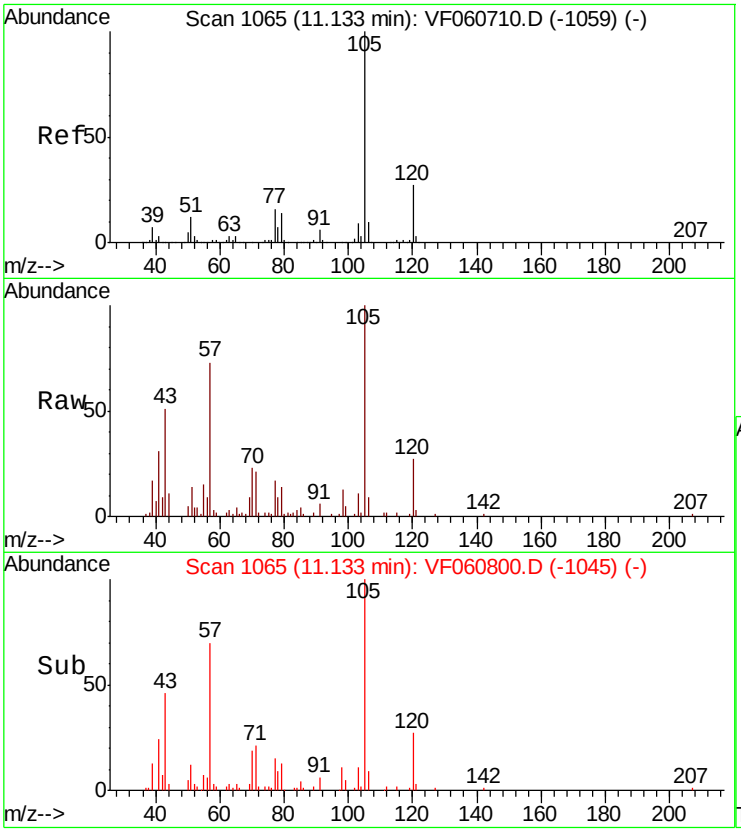


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Tgt Ion:152 Resp: 144992

Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.9	83.7
150	155.0	0.0	316.4



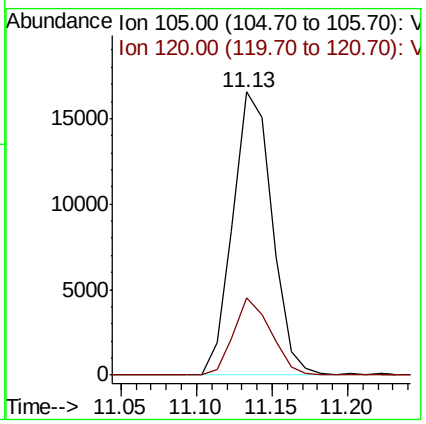


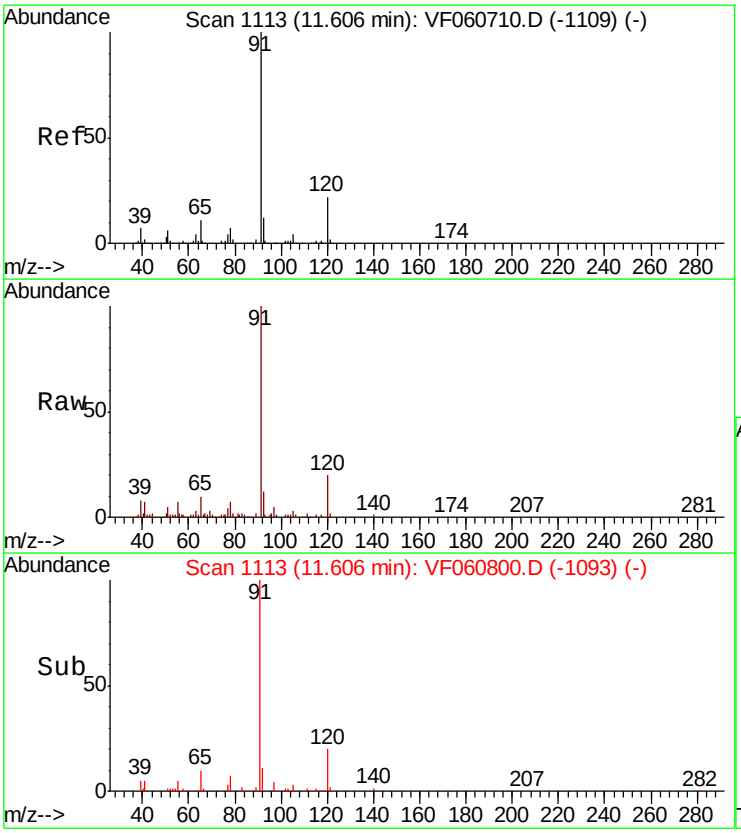
#73
Isopropylbenzene
Concen: 2.573 ug/l
RT: 11.13 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Tgt Ion:105 Resp: 30024

Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.4	40.1

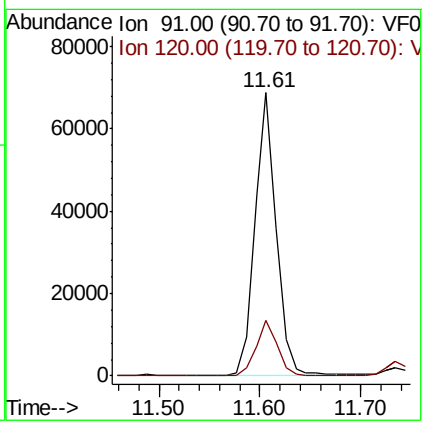


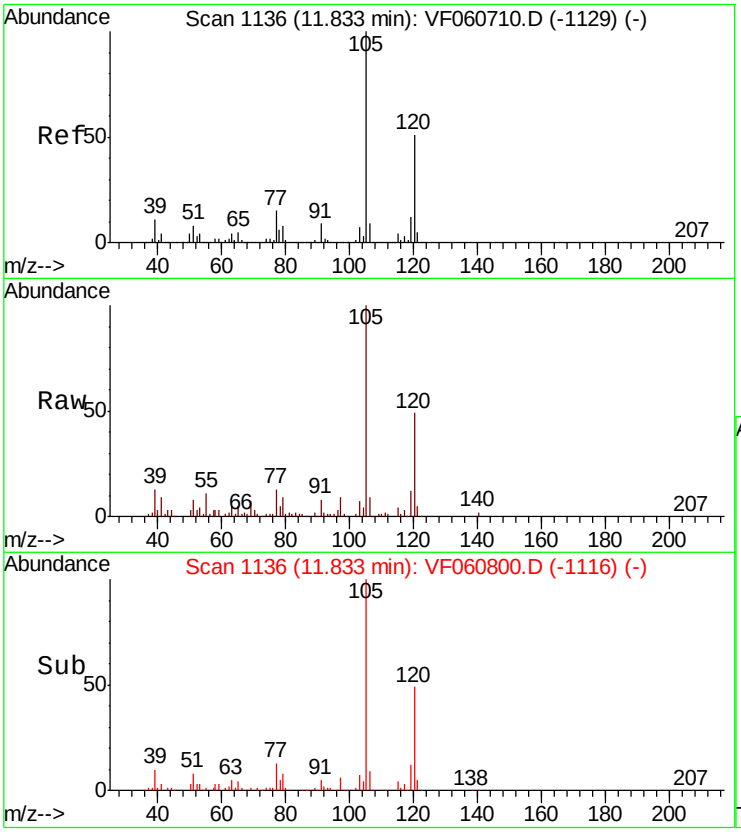


#78
n-propylbenzene
Concen: 7.480 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Tgt Ion: 91 Resp: 101818

Ion	Ratio	Lower	Upper
91	100		
120	19.7	11.2	33.5



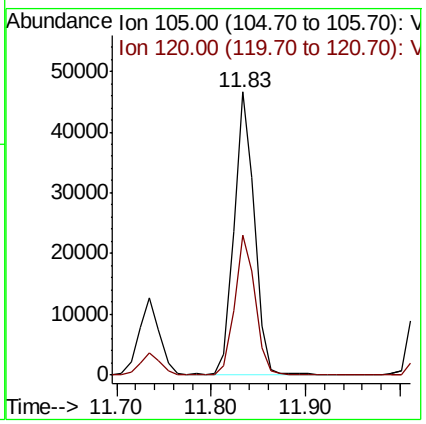


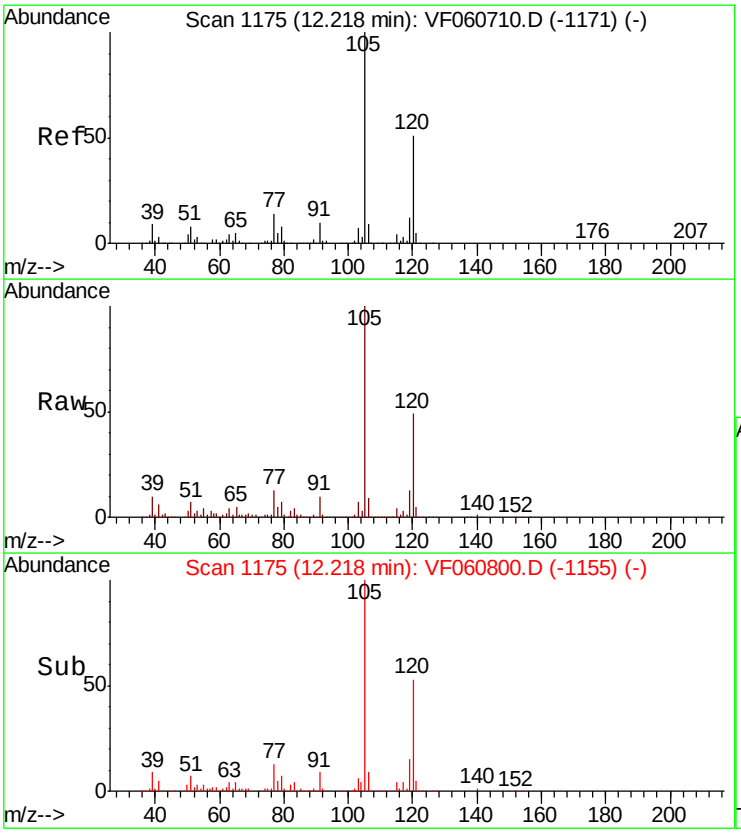
#80
1,3,5-Trimethylbenzene
Concen: 7.508 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Tgt Ion:105 Resp: 69564

Ion	Ratio	Lower	Upper
105	100		
120	49.4	25.6	76.8

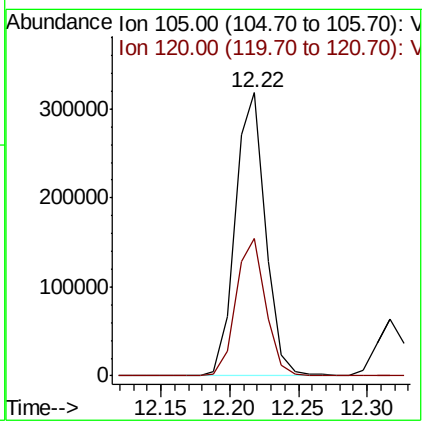


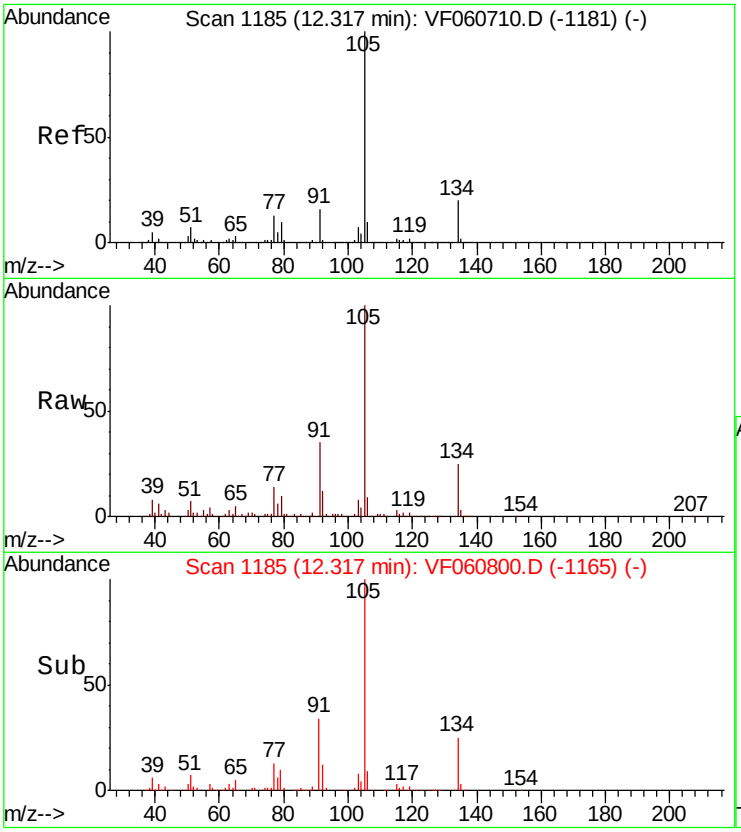


#84
1,2,4-Trimethylbenzene
Concen: 50.748 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Tgt Ion:105 Resp: 486304

Ion	Ratio	Lower	Upper
105	100		
120	48.5	25.5	76.5



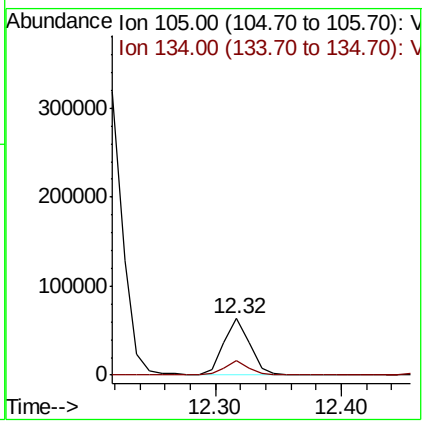


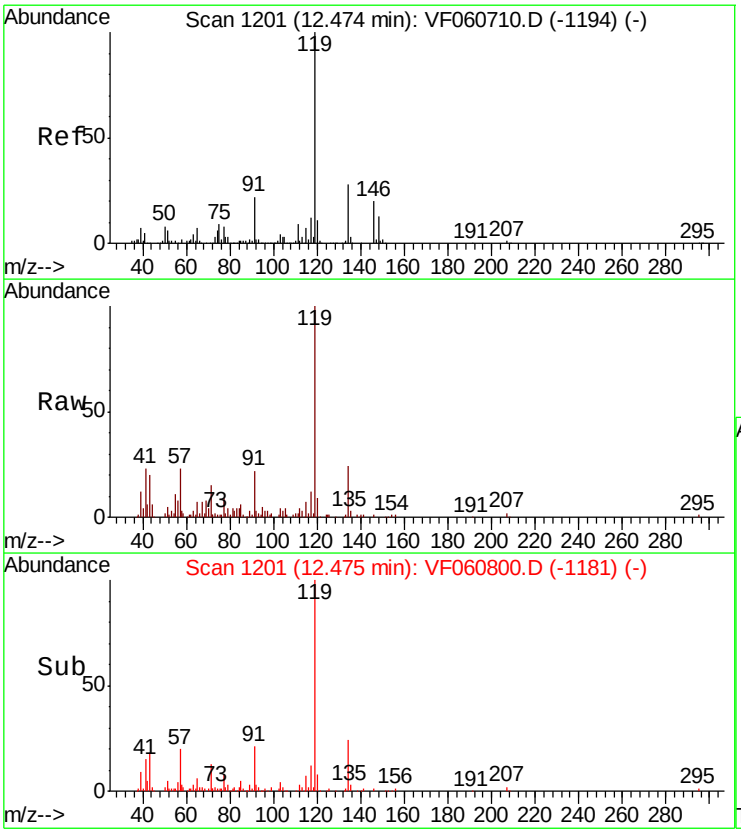
#85
sec-Butylbenzene
Concen: 6.757 ug/l
RT: 12.32 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Tgt Ion:105 Resp: 90180

Ion	Ratio	Lower	Upper
105	100		
134	25.3	10.1	30.3

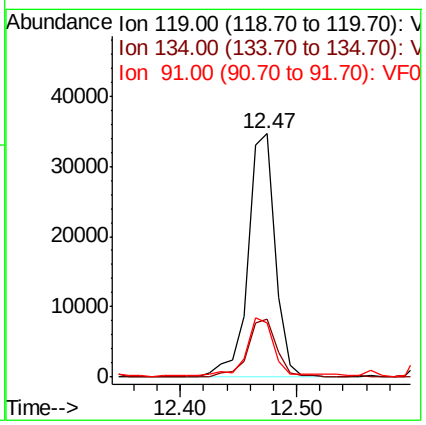


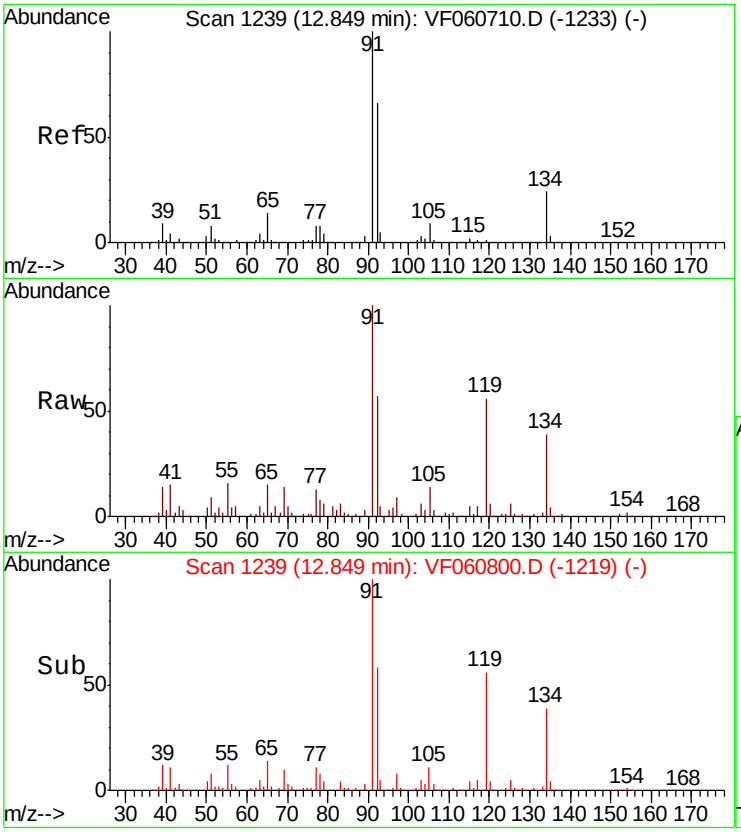


#86
p-Isopropyltoluene
Concen: 5.040 ug/l
RT: 12.47 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Tgt Ion:119 Resp: 56180

Ion	Ratio	Lower	Upper
119	100		
134	23.6	13.9	41.7
91	22.3	11.3	33.9



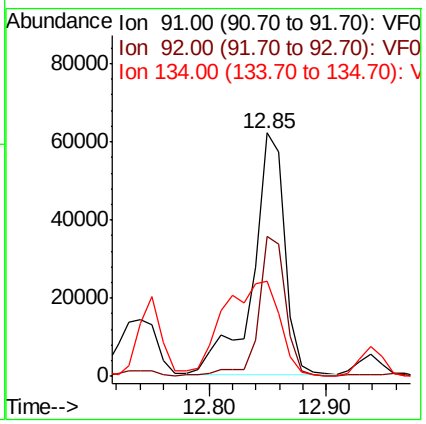


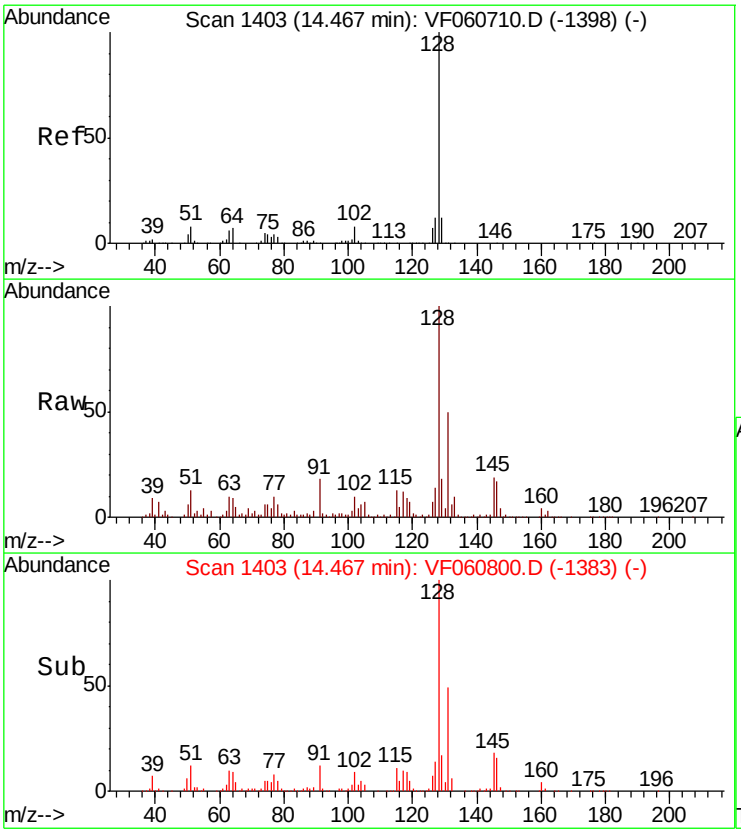
#89
n-Butylbenzene
Concen: 10.411 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Tgt Ion: 91 Resp: 118427

Ion	Ratio	Lower	Upper
91	100		
92	57.4	33.1	99.2
134	38.9	11.9	35.9#





#95
Naphthalene
Concen: 42.627 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Tgt Ion:128 Resp: 254480

Ion	Ratio	Lower	Upper
128	100		
127	14.2	9.8	14.6
129	17.8	9.3	13.9#