Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
Data File : VF060729.D
Acq On : 14 Nov 2018 17:30
Operator : VA/AP
Sample : J5770-01RE
Misc : 7.12g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : OR-01-111218-A

Quant Time: Nov 15 06:38:01 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	4.85	168	255508	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	421999	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	398185	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	206446	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	115227	39.54	ug/l	-0.04
Spiked Amount 50.000			Recovery = 79.08%			
35) Dibromofluoromethane	4.09	113	130057	41.00	ug/l	-0.04
Spiked Amount 50.000			Recovery = 82.00%			
50) Toluene-d8	7.53	98	328411	39.58	ug/l	-0.04
Spiked Amount 50.000			Recovery = 79.16%			
62) 4-Bromofluorobenzene	11.40	95	164651	43.32	ug/l	-0.02
Spiked Amount 50.000			Recovery = 86.64%			
Target Compounds						Qvalue
8) Diethyl Ether	1.62	74	1787	2.486	ug/l #	38
11) Tert butyl alcohol	2.55	59	287	2.164	ug/l #	1
13) Acrolein	1.90	56	529	4.362	ug/l	86
15) Acrylonitrile	2.92	53	650	2.300	ug/l #	54
16) Acetone	2.23	43	22545	36.192	ug/l #	88
20) Methylene Chloride	2.17	84	5017	Below Cal	#	75
25) 2-Butanone	4.32	43	4406	4.300	ug/l #	89
30) Chloroform	3.83	83	16257	2.374	ug/l	90
39) Methylcyclohexane	5.43	83	9554	1.683	ug/l	88
40) Benzene	4.61	78	29699	2.722	ug/l	99
41) Methacrylonitrile	4.66	41	616	Below Cal		89
49) 1,4-Dioxane	6.87	88	71	4.755	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	4672	2.678	ug/l #	52
52) Toluene	7.60	92	11062	1.513	ug/l	97
56) Ethyl methacrylate	8.60	69	8514	3.589	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.61	63	1809	8.348	ug/l	100
59) 2-Hexanone	9.48	43	2690	2.194	ug/l	95
68) m/p-Xylenes	10.11	106	13780	2.546	ug/l	93
69) o-Xylene	10.70	106	11420	1.877	ug/l	81
80) 1,3,5-Trimethylbenzene	11.81	105	20514	1.555	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	26995	1.978	ug/l	91
95) Naphthalene	14.45	128	265280	31.209	ug/l	100

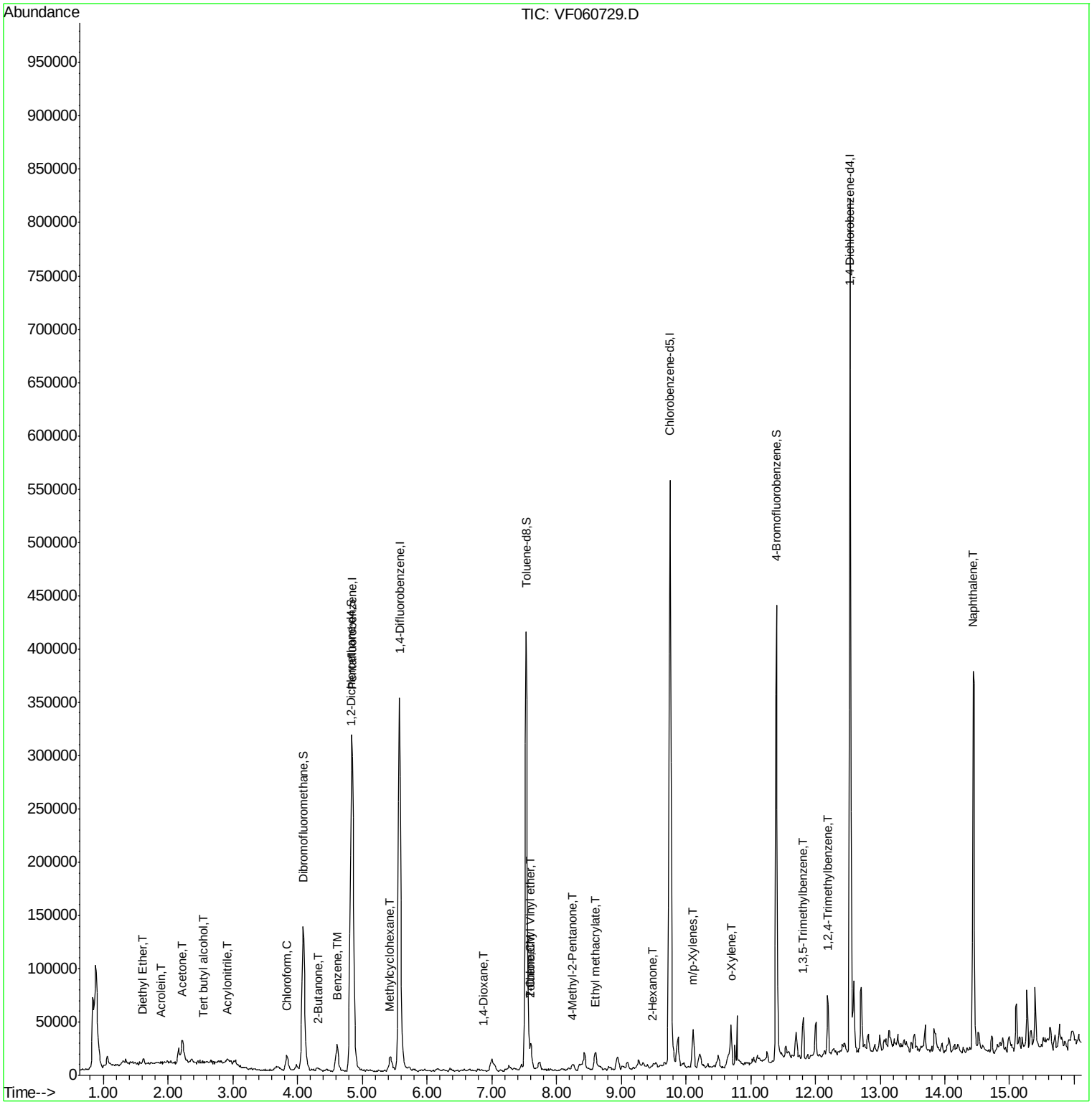
(#) = qualifier out of range (m) = manual integration (+) = signals summed

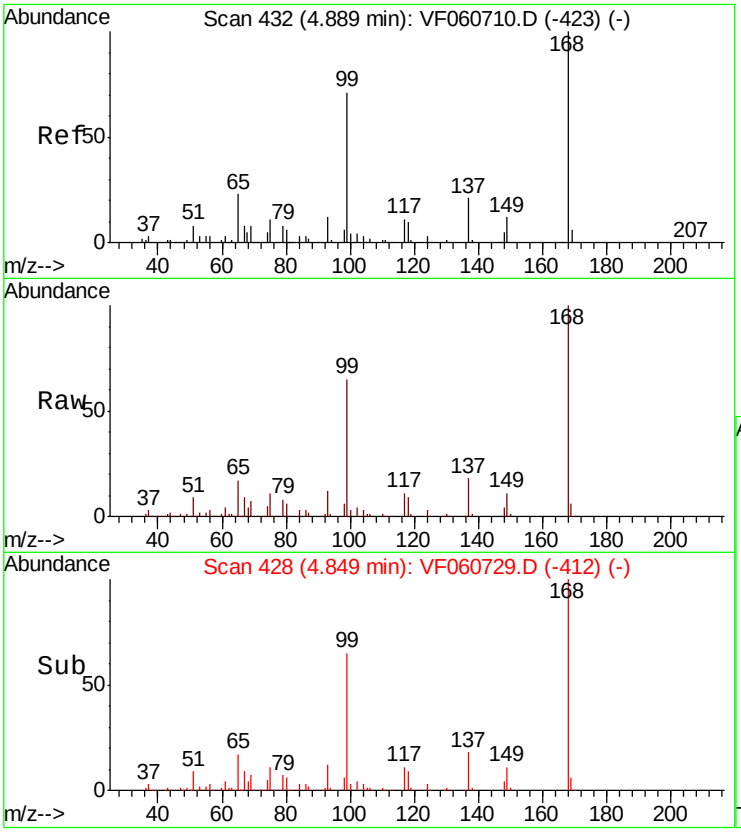
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
Data File : VF060729.D
Acq On : 14 Nov 2018 17:30
Operator : VA/AP
Sample : J5770-01RE
Misc : 7.12g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Quant Time: Nov 15 06:38:01 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



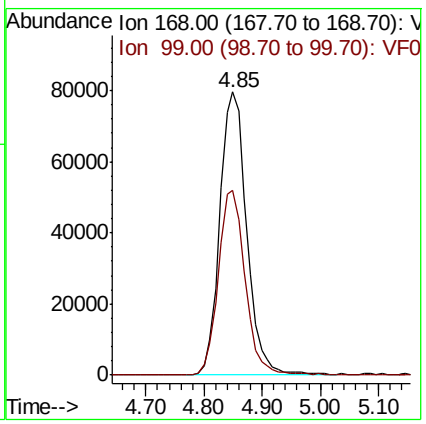


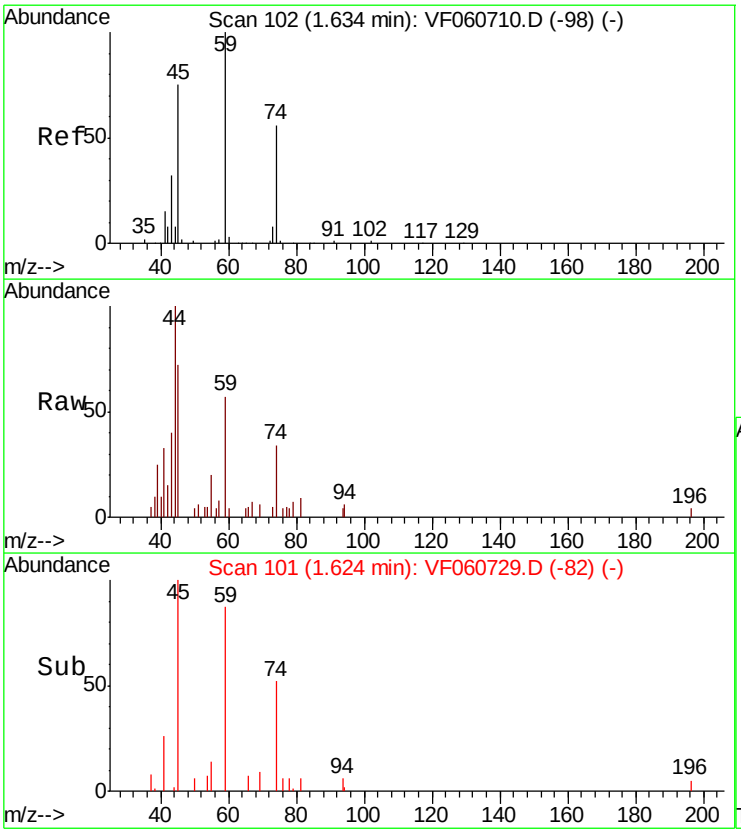
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion:168 Resp: 255508

Ion	Ratio	Lower	Upper
168	100		
99	65.5	57.2	85.8

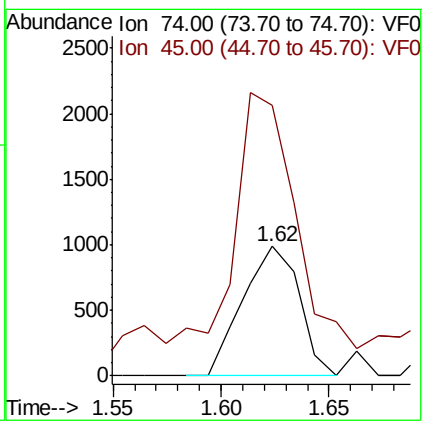


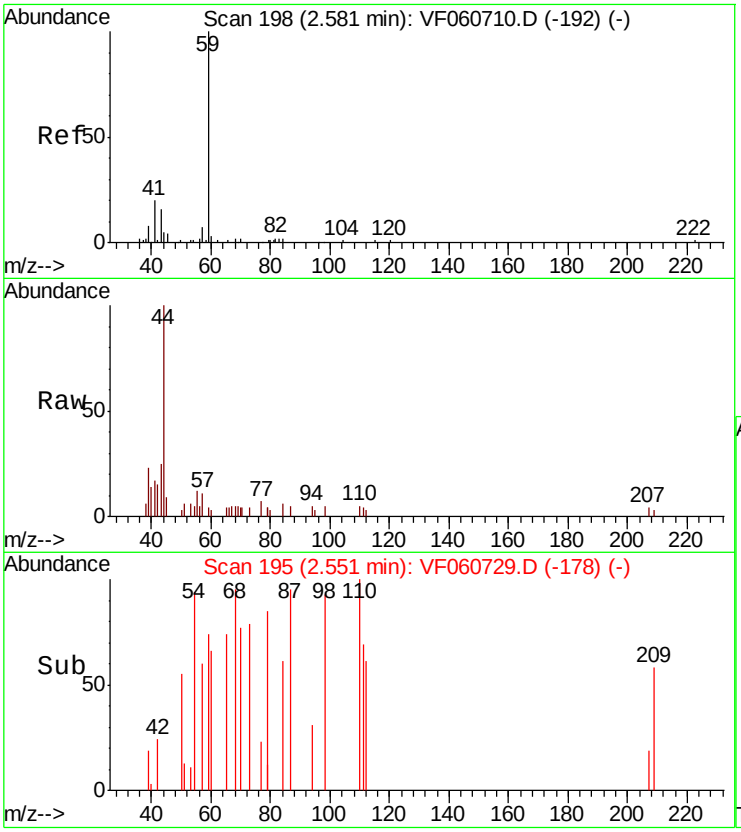


#8
Diethyl Ether
Concen: 2.486 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 74 Resp: 1787

Ion	Ratio	Lower	Upper
74	100		
45	209.0	67.7	203.1#



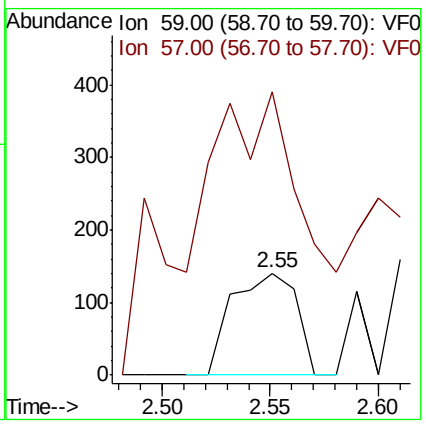


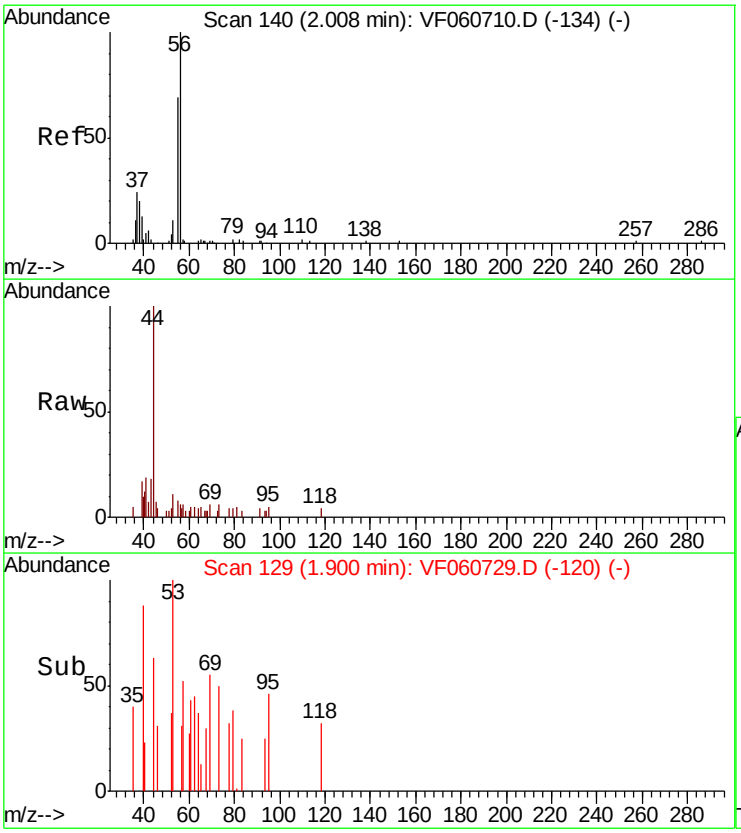
#11
Tert butyl alcohol
Concen: 2.164 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion: 59 Resp: 287

Ion	Ratio	Lower	Upper
59	100		
57	278.6	10.5	15.7#

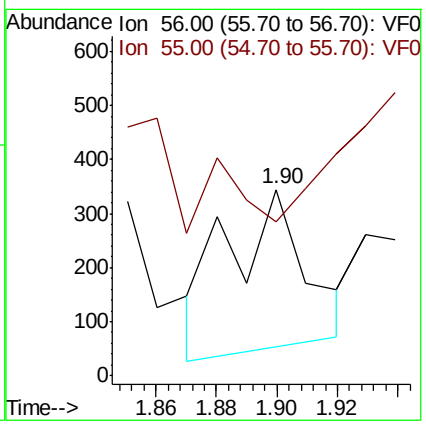


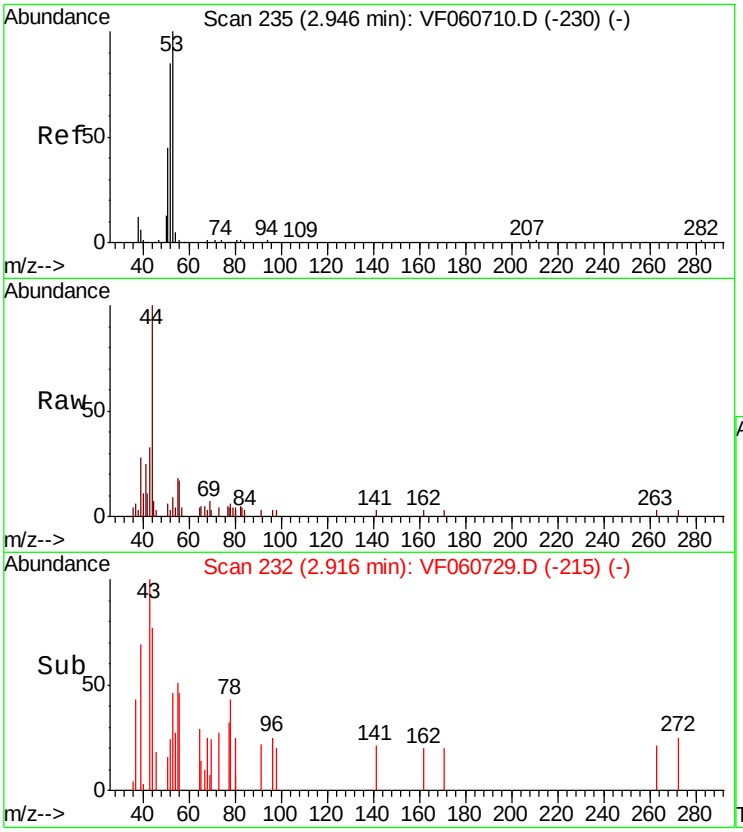


#13
Acrolein
Concen: 4.362 ug/l
RT: 1.90 min Scan# 129
Delta R.T. -0.11 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 56 Resp: 529

Ion	Ratio	Lower	Upper
56	100		
55	82.3	56.6	85.0



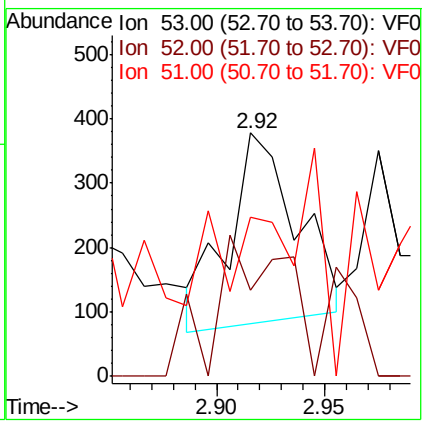


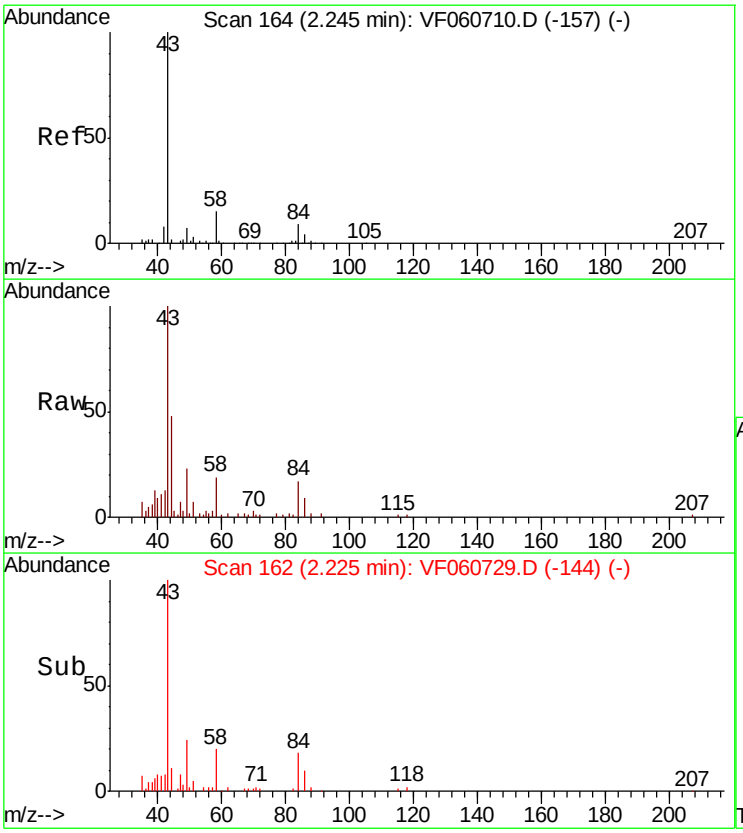
#15
Acrylonitrile
Concen: 2.300 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.03 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument : MSVOA_F
ClientSampleId : OR-01-111218-A

Tgt Ion: 53 Resp: 650

Ion	Ratio	Lower	Upper
53	100		
52	35.4	68.8	103.2#
51	65.3	36.7	55.1#

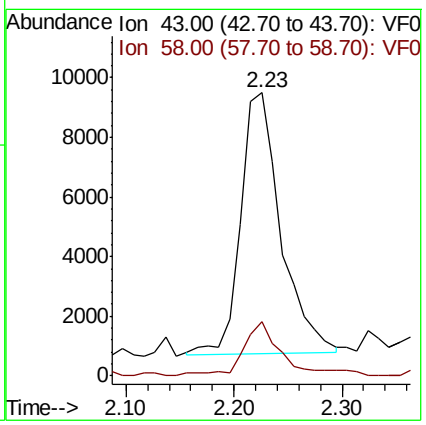


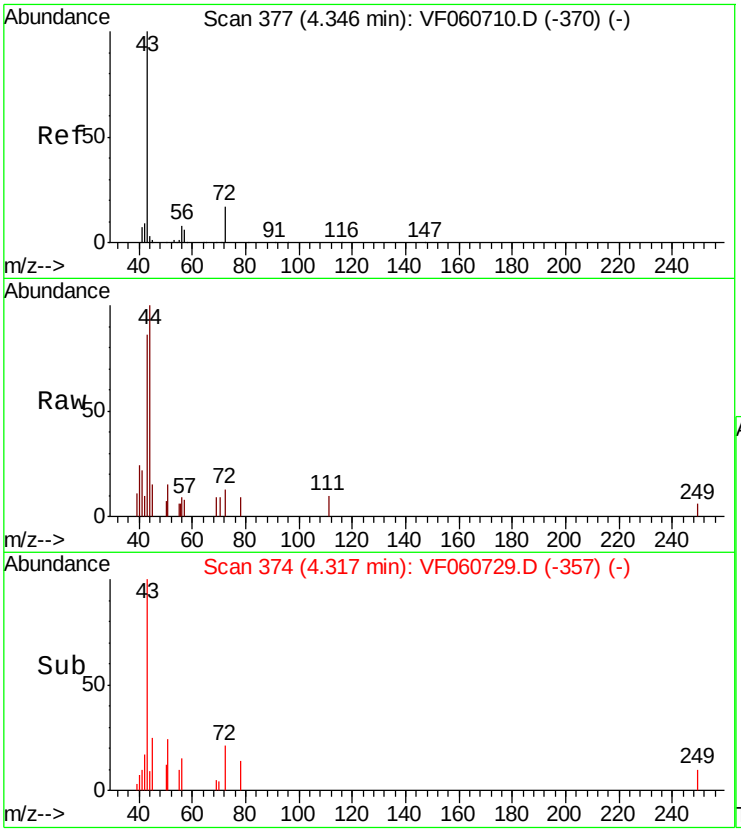


#16
Acetone
Concen: 36.192 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.02 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 43 Resp: 22545

Ion	Ratio	Lower	Upper
43	100		
58	19.3	11.6	17.4#



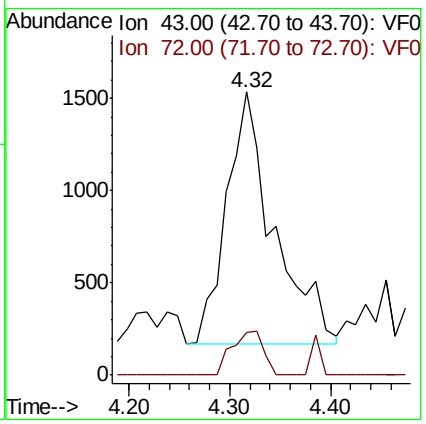


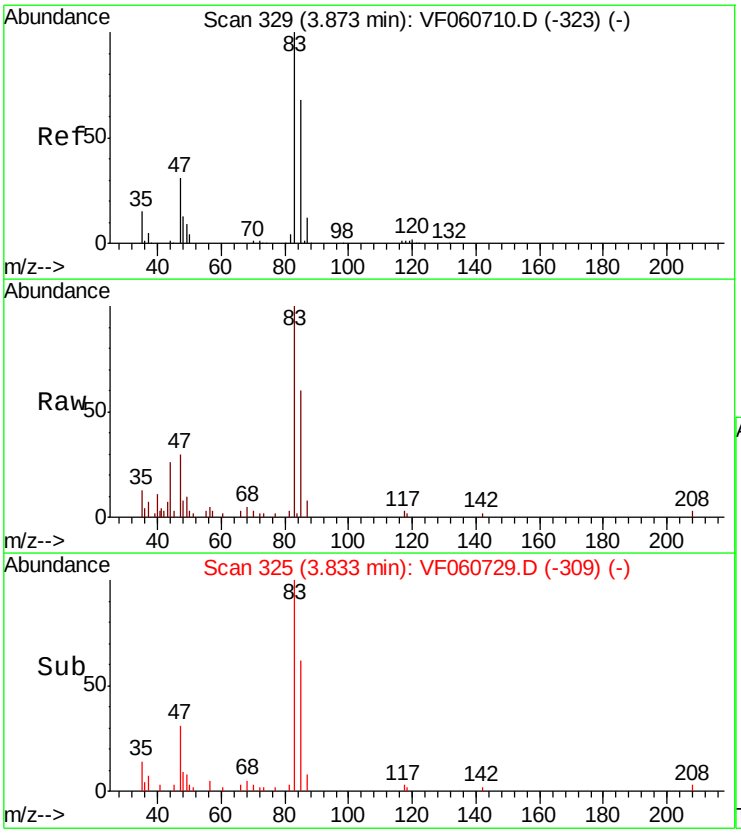
#25
2-Butanone
Concen: 4.300 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.03 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion: 43 Resp: 4406

Ion	Ratio	Lower	Upper
43	100		
72	15.1	16.1	24.1#

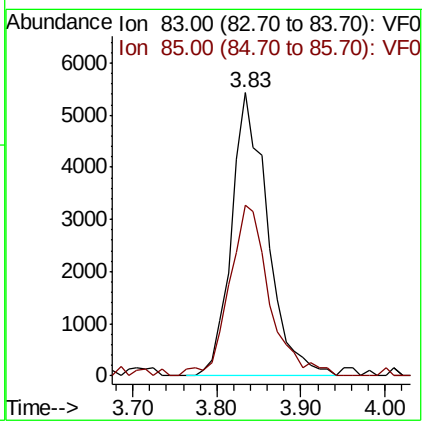


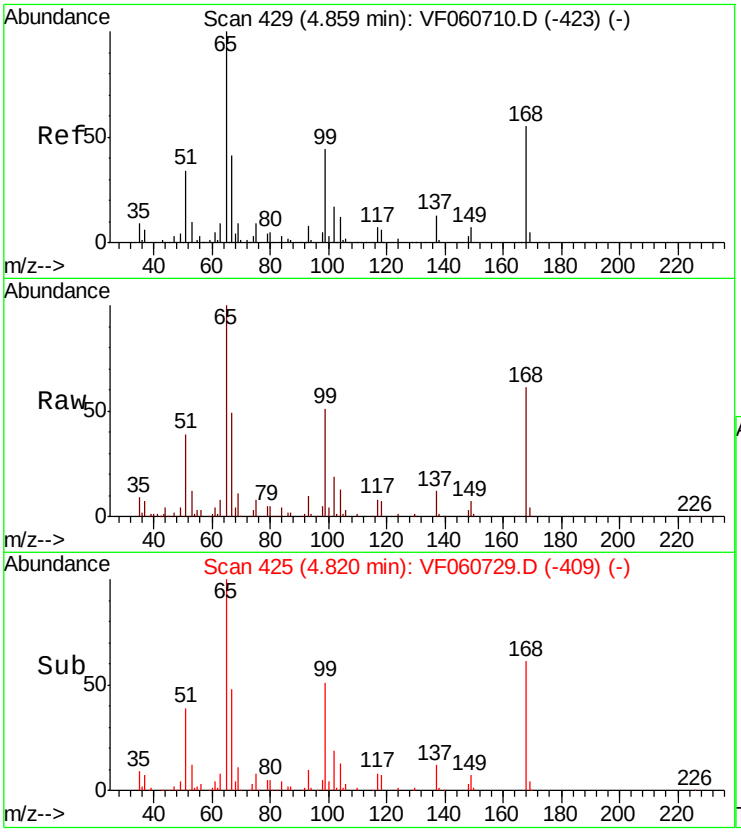


#30
Chloroform
Concen: 2.374 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 83 Resp: 16257

Ion	Ratio	Lower	Upper
83	100		
85	60.3	54.6	82.0



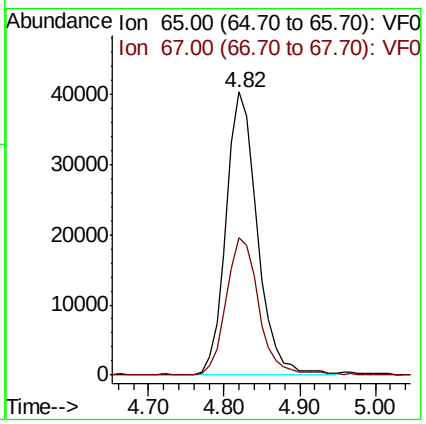


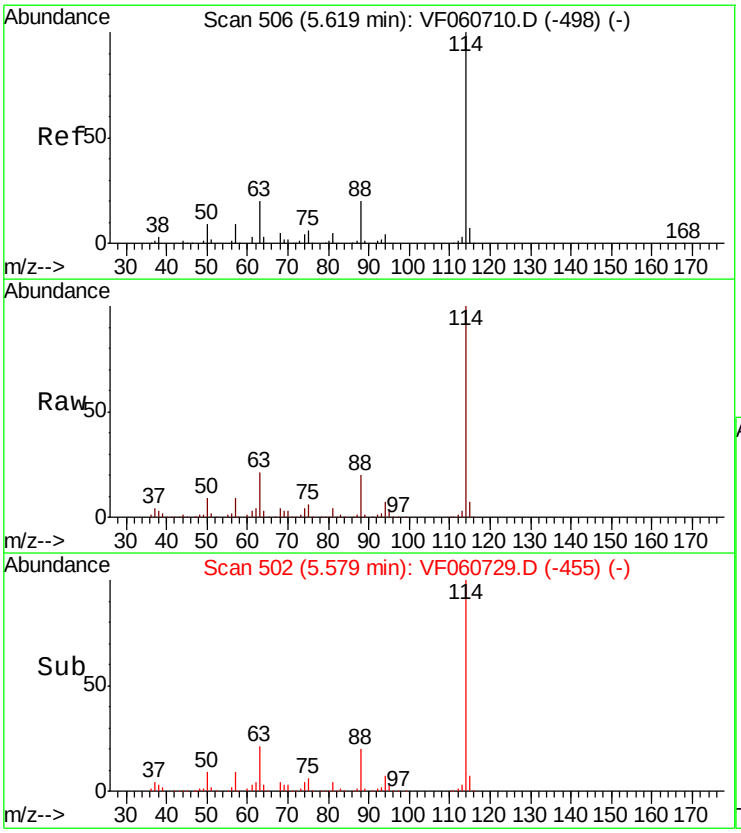
#33
1,2-Dichloroethane-d4
Concen: 39.538 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion: 65 Resp: 115227

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	90.2

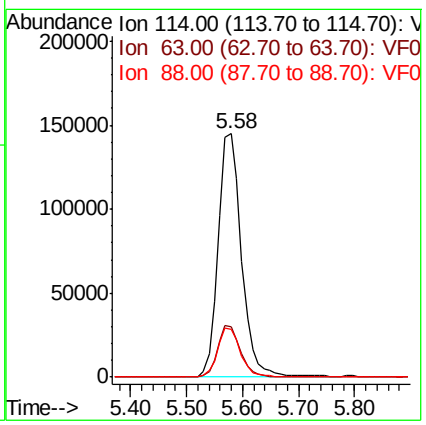


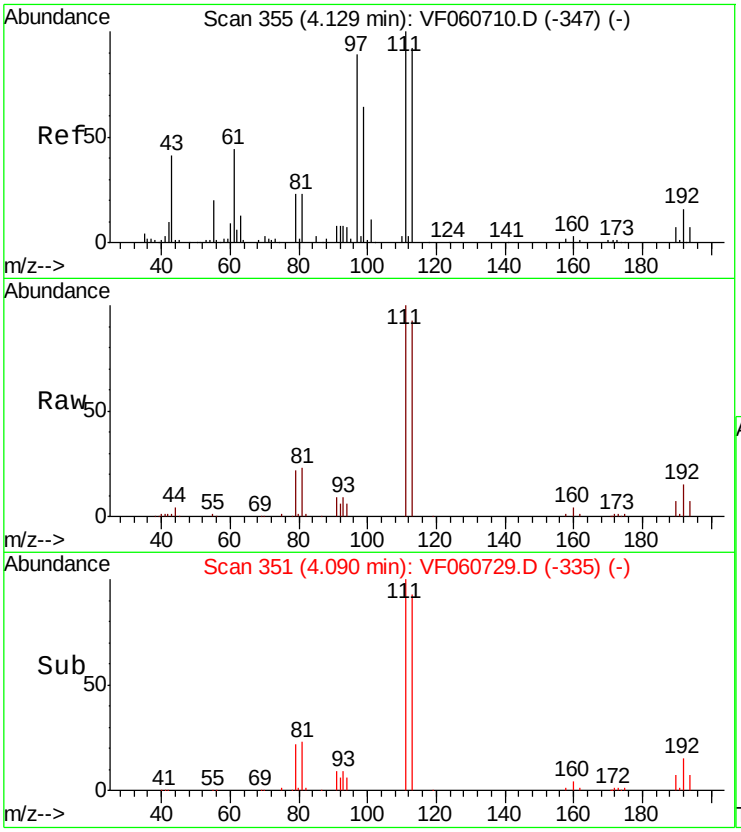


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion:114 Resp: 421999

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	19.8	0.0	39.6



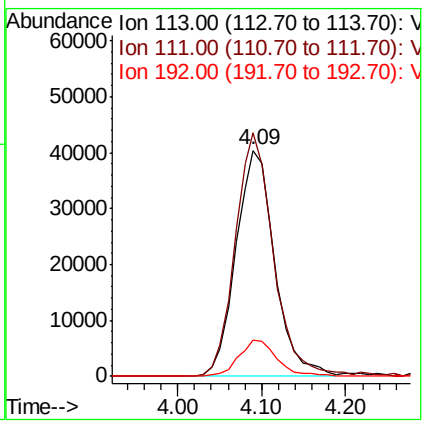


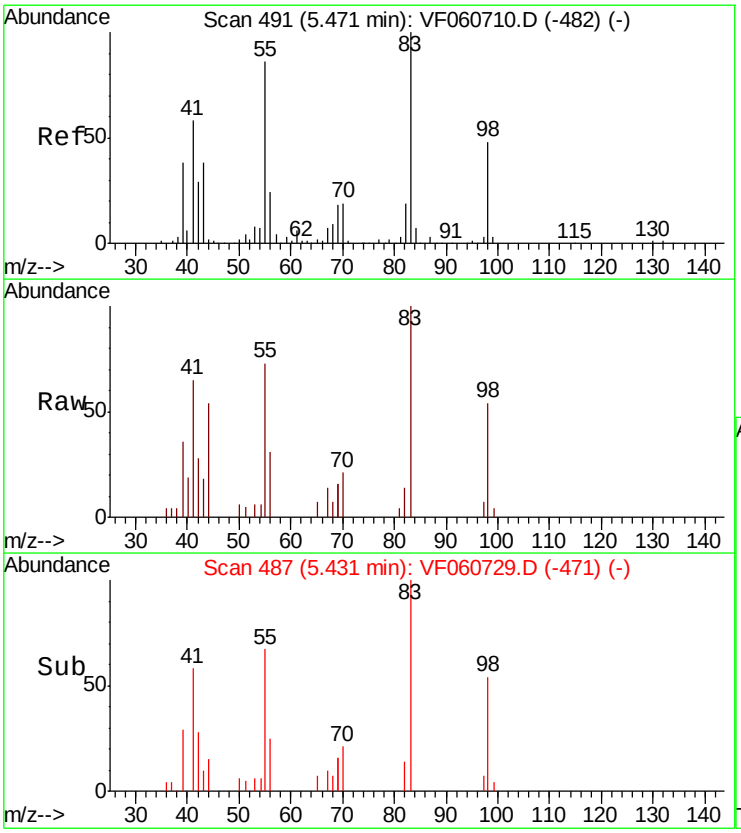
#35
Dibromofluoromethane
Concen: 41.000 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion:113 Resp: 130057

Ion	Ratio	Lower	Upper
113	100		
111	107.6	87.1	130.7
192	16.2	13.8	20.6

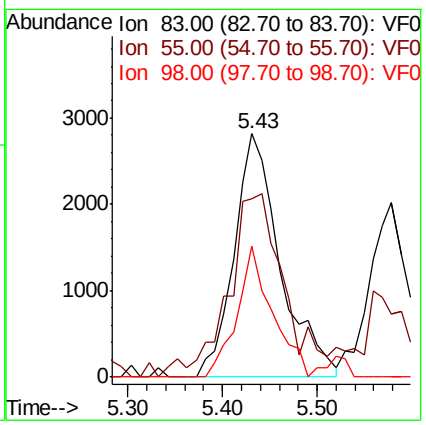


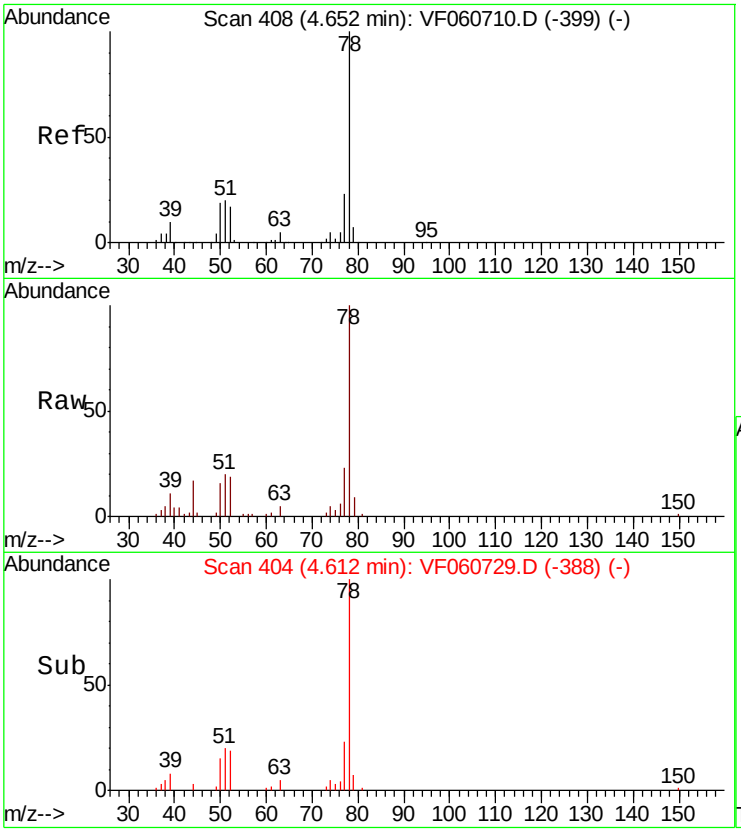


#39
Methylcyclohexane
Concen: 1.683 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 83 Resp: 9554

Ion	Ratio	Lower	Upper
83	100		
55	73.5	69.0	103.4
98	53.6	38.5	57.7



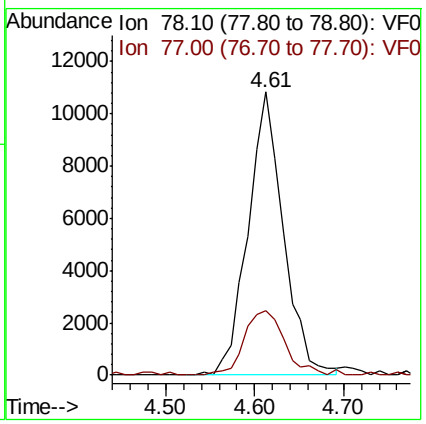


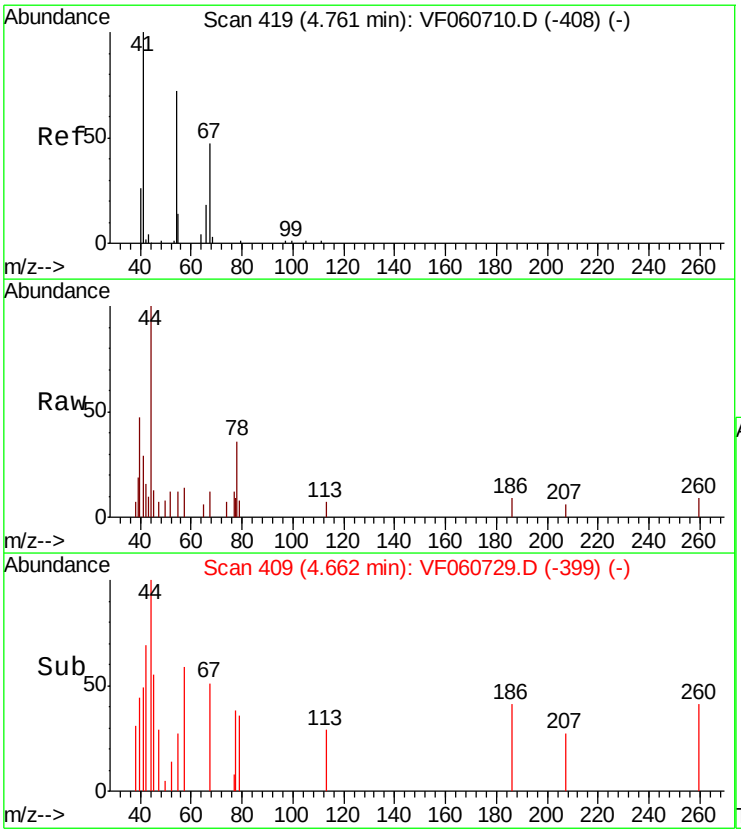
#40
Benzene
Concen: 2.722 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion: 78 Resp: 29699

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	28.0

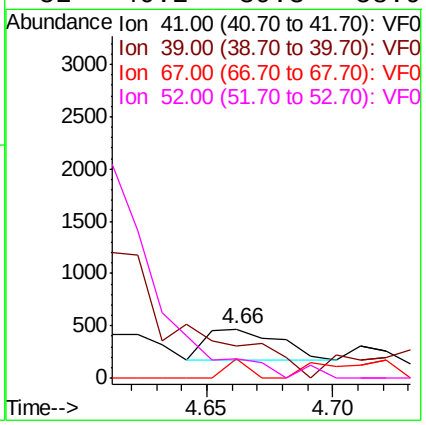


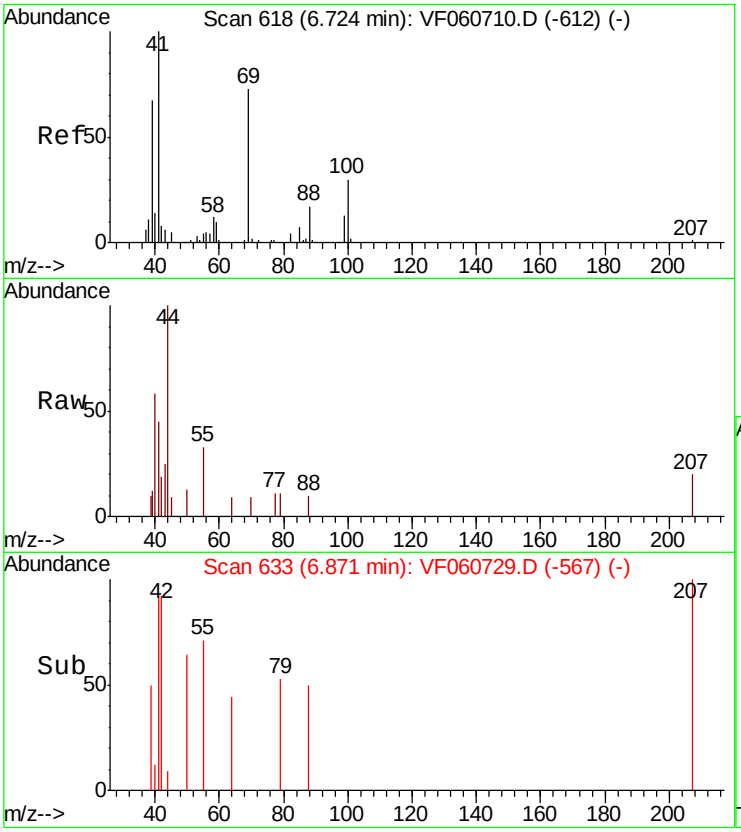


#41
Methacrylonitrile
Concen: Below Cal
RT: 4.66 min Scan# 409
Delta R.T. -0.10 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 41 Resp: 616

Ion	Ratio	Lower	Upper
41	100		
39	66.0	47.1	70.7
67	40.0	37.1	55.7
52	40.2	39.3	58.9



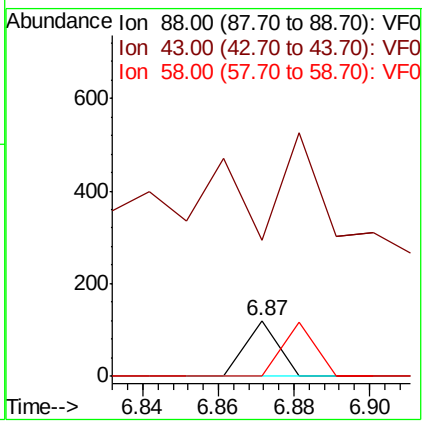


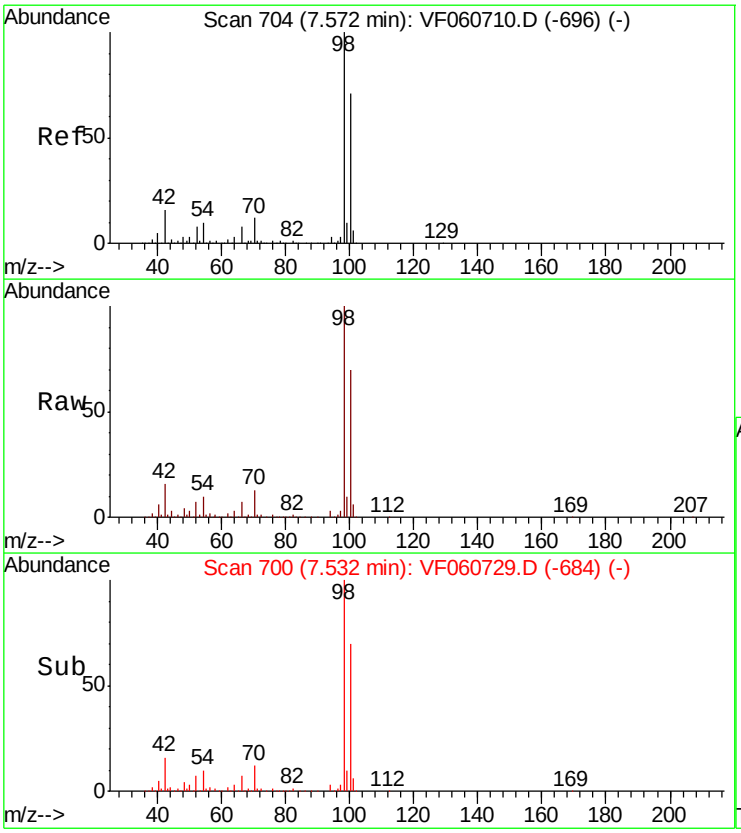
#49
1,4-Dioxane
Concen: 4.755 ug/l
RT: 6.87 min Scan# 633
Delta R.T. 0.15 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion: 88 Resp: 71

Ion	Ratio	Lower	Upper
88	100		
43	245.8	44.6	66.8#
58	0.0	54.5	81.7#

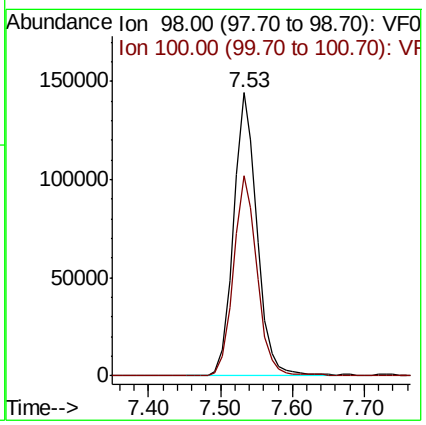


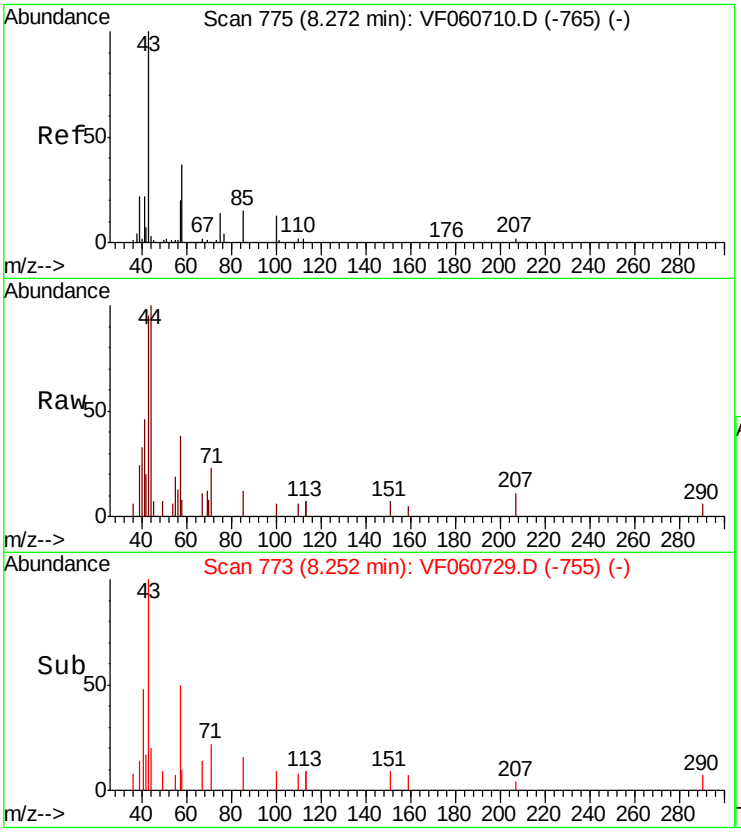


#50
Toluene-d8
Concen: 39.579 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 98 Resp: 328411

Ion	Ratio	Lower	Upper
98	100		
100	70.5	56.5	84.7



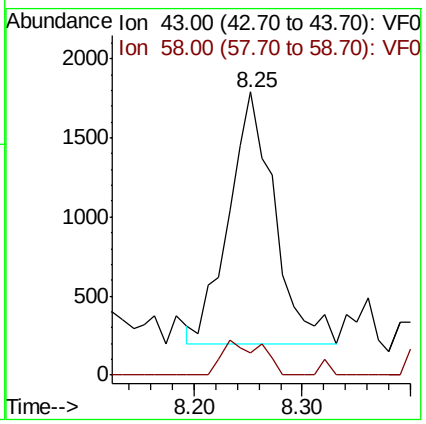


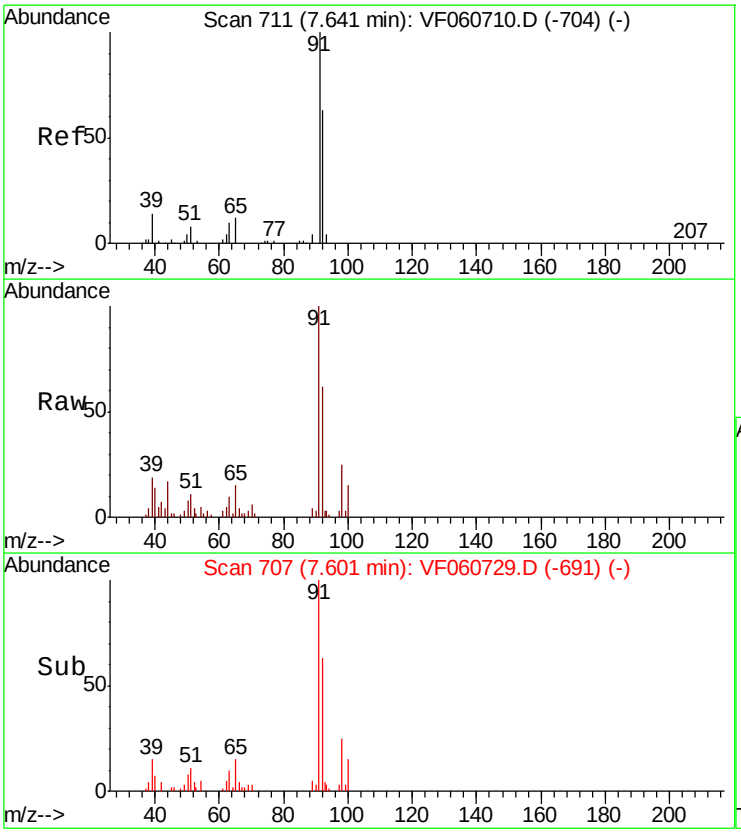
#51
4-Methyl-2-Pentanone
Concen: 2.678 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.02 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument : MSVOA_F
ClientSampleId : OR-01-111218-A

Tgt Ion: 43 Resp: 4672

Ion	Ratio	Lower	Upper
43	100		
58	7.9	29.2	43.8#

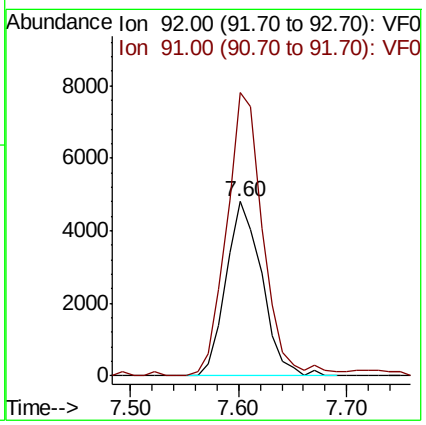


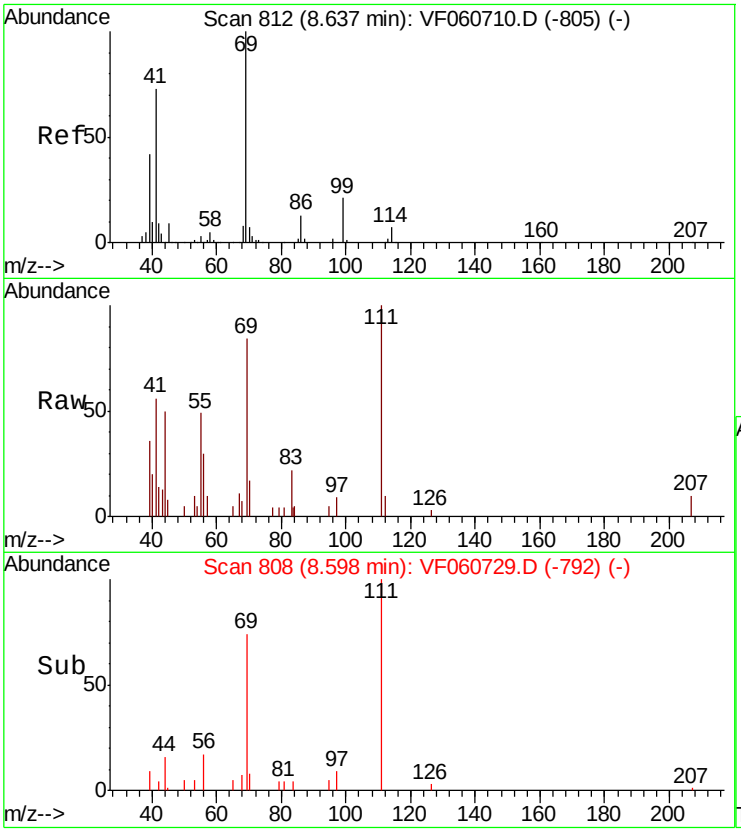


#52
Toluene
Concen: 1.513 ug/l
RT: 7.60 min Scan# 707
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 92 Resp: 11062

Ion	Ratio	Lower	Upper
92	100		
91	162.3	126.7	190.1



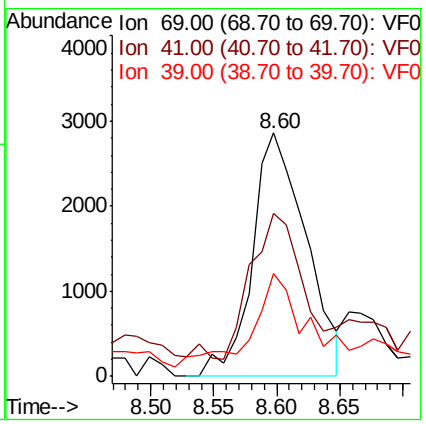


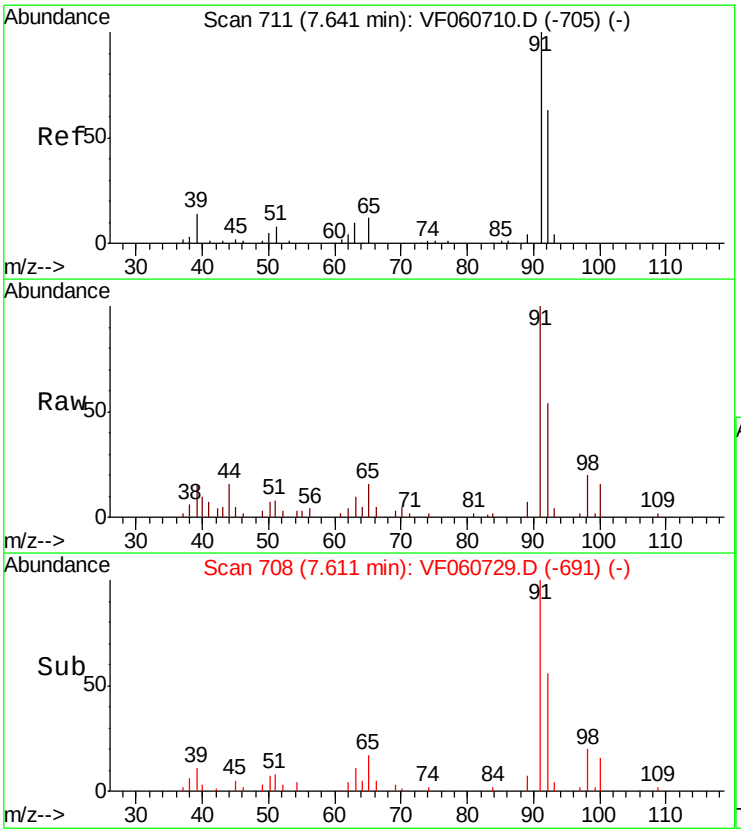
#56
Ethyl methacrylate
Concen: 3.589 ug/l
RT: 8.60 min Scan# 808
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion: 69 Resp: 8514

Ion	Ratio	Lower	Upper
69	100		
41	67.0	59.0	88.6
39	42.2	34.0	51.0

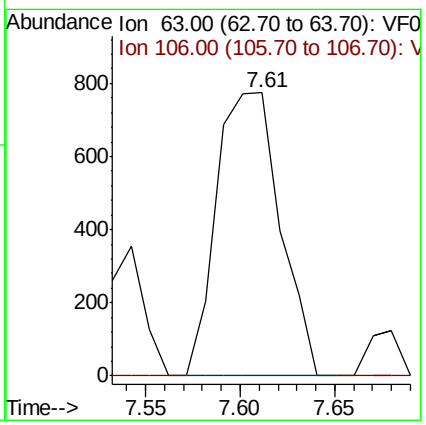


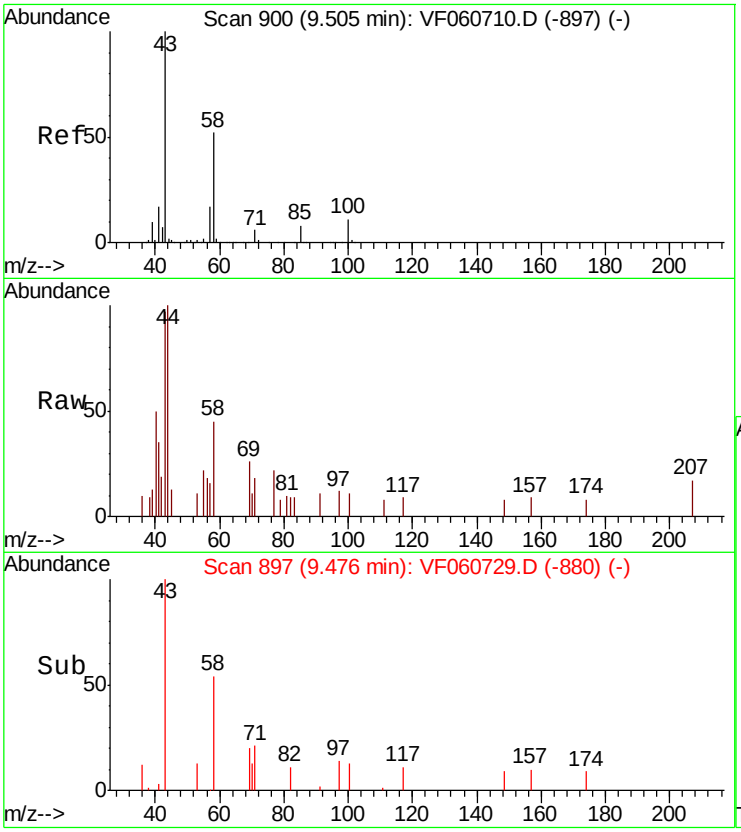


#58
2-Chloroethyl Vinyl ether
Concen: 8.348 ug/l
RT: 7.61 min Scan# 708
Delta R.T. -0.03 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 63 Resp: 1809

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0



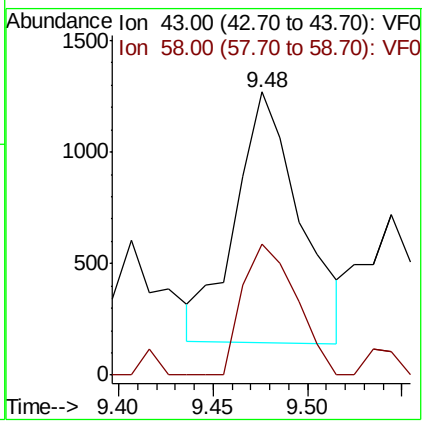


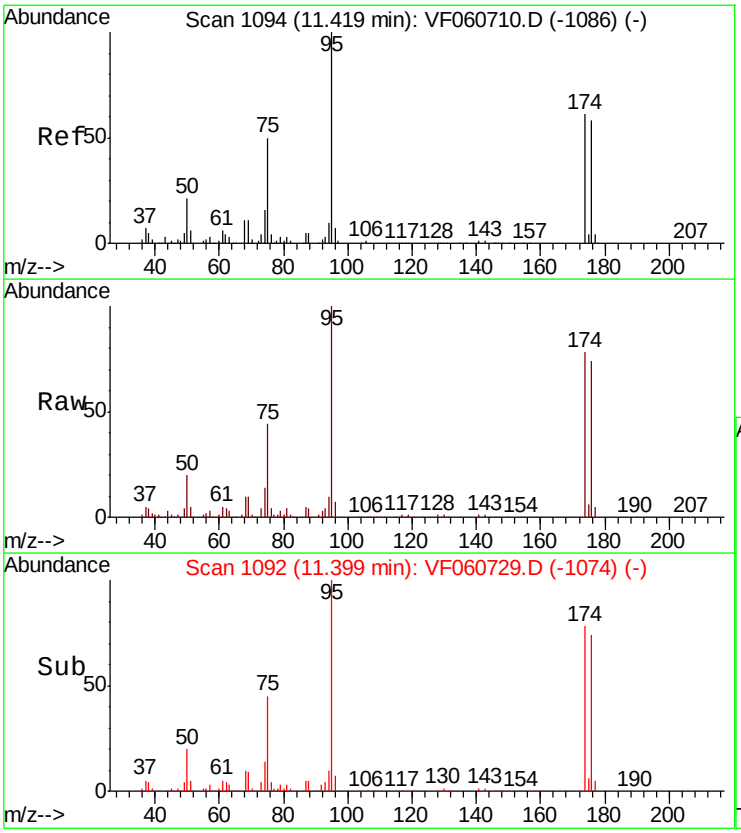
#59
2-Hexanone
Concen: 2.194 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.03 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion: 43 Resp: 2690

Ion	Ratio	Lower	Upper
43	100		
58	46.4	24.9	74.7

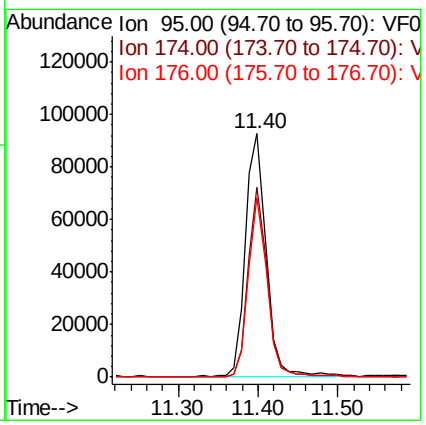


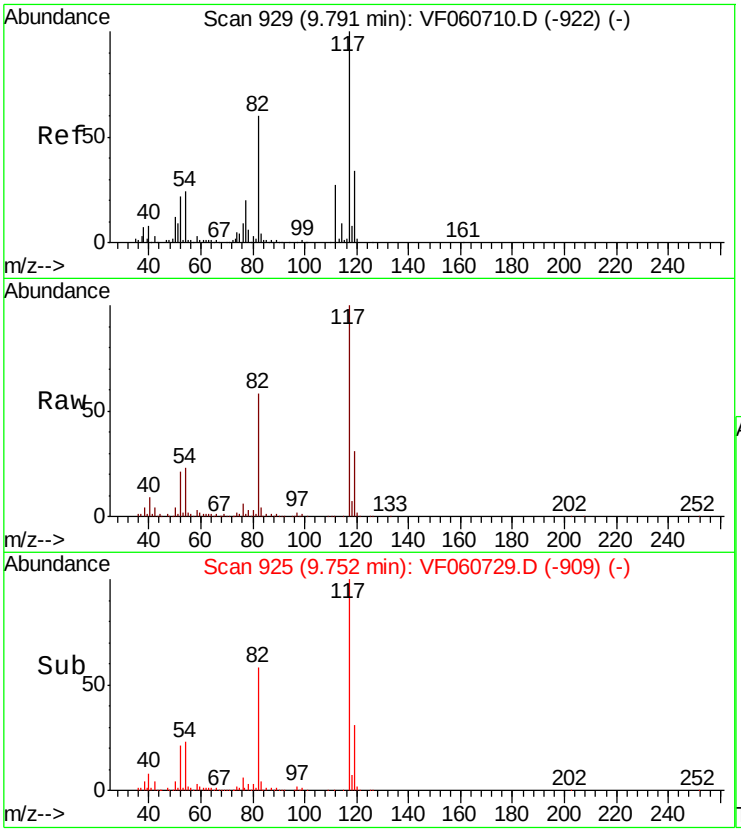


#62
4-Bromofluorobenzene
Concen: 43.322 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 95 Resp: 164651

Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	121.6
176	73.6	0.0	115.2



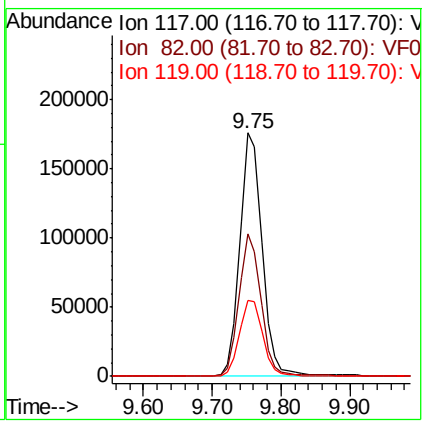


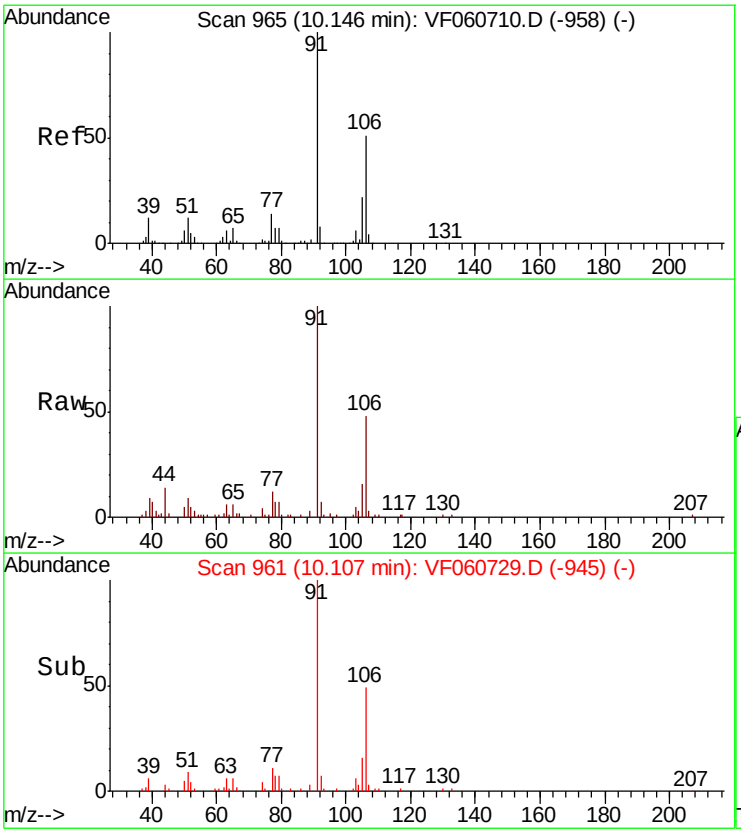
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument : MSVOA_F
ClientSampleId : OR-01-111218-A

Tgt Ion:117 Resp: 398185

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.9	71.9
119	31.4	26.8	40.2

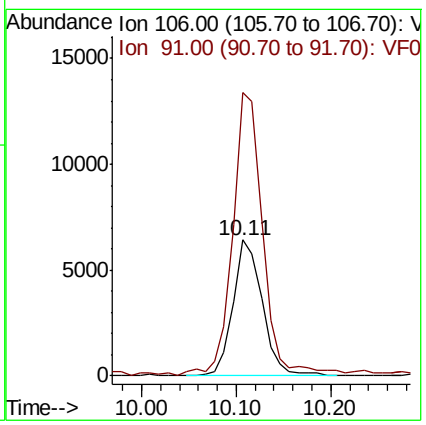


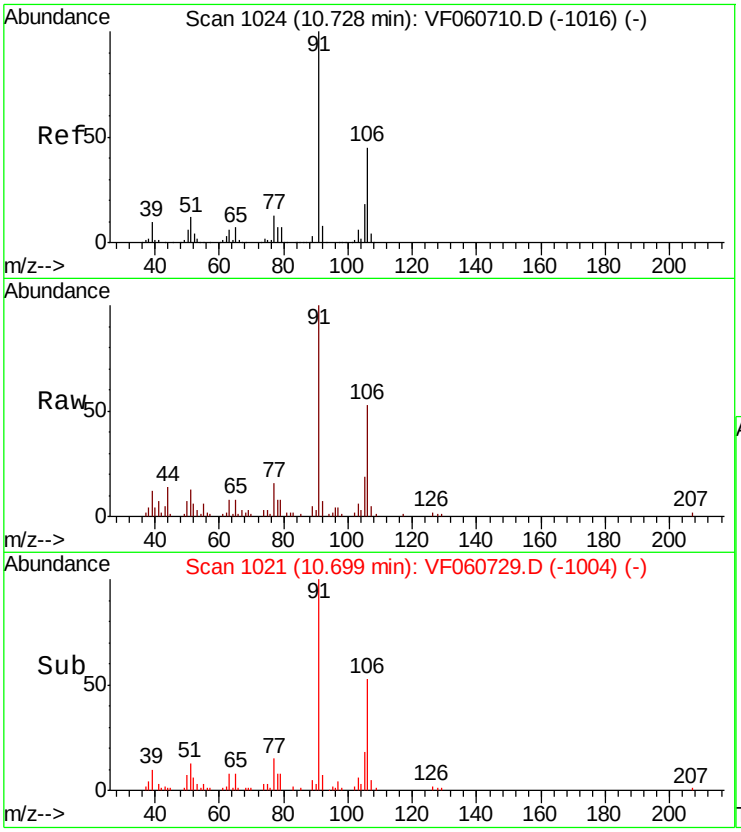


#68
m/p-Xylenes
Concen: 2.546 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion:106 Resp: 13780

Ion	Ratio	Lower	Upper
106	100		
91	208.7	158.2	237.2



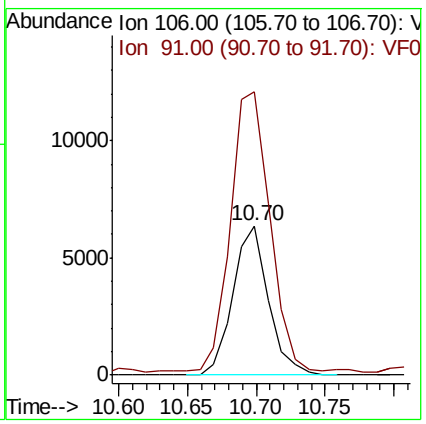


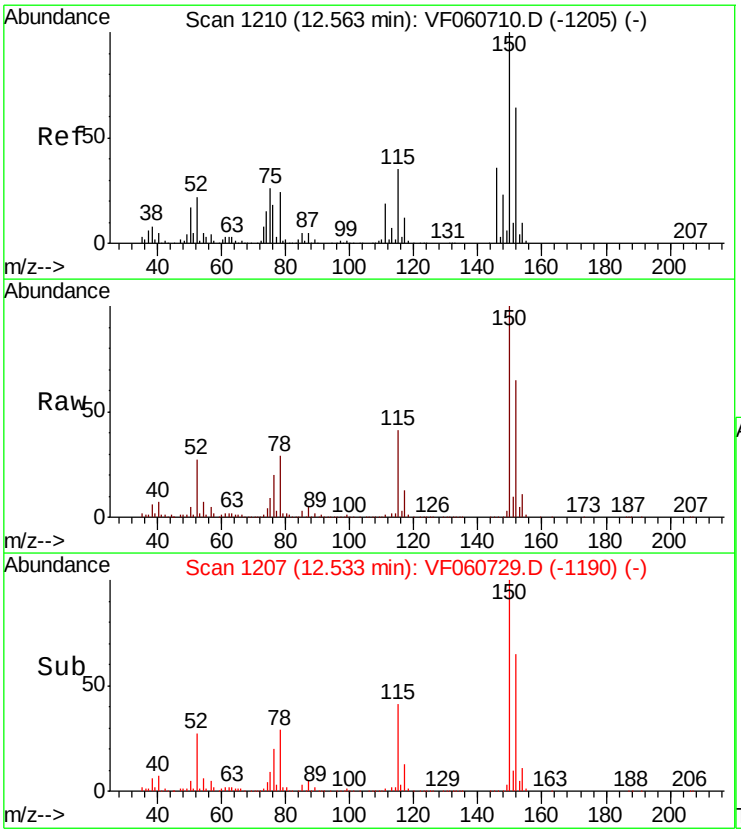
#69
o-Xylene
Concen: 1.877 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion:106 Resp: 11420

Ion	Ratio	Lower	Upper
106	100		
91	189.4	110.3	330.9

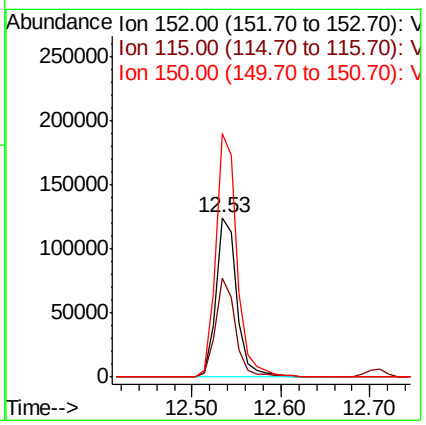


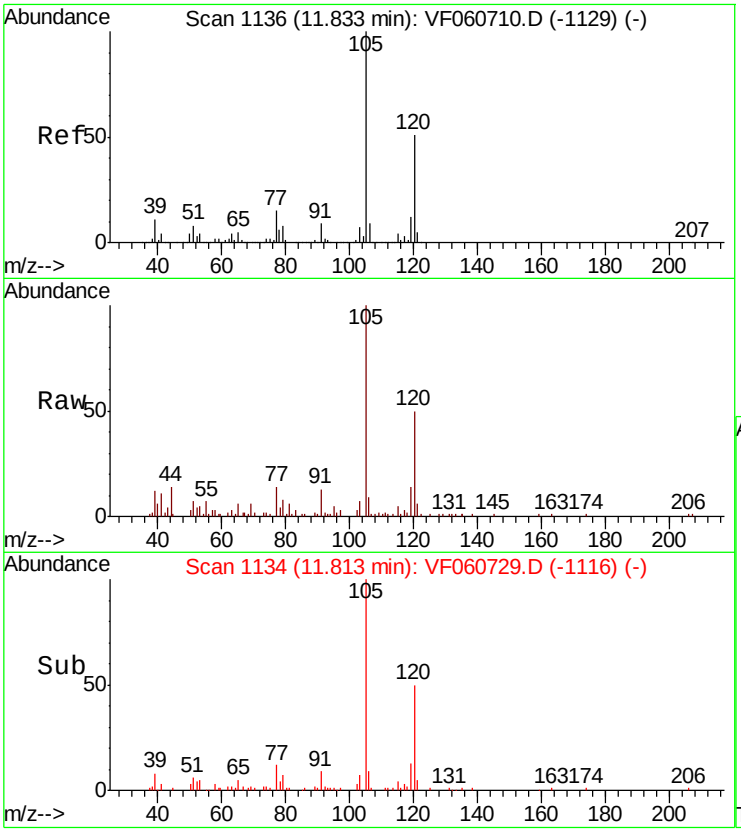


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion:152 Resp: 206446

Ion	Ratio	Lower	Upper
152	100		
115	62.2	27.9	83.7
150	152.9	0.0	316.4



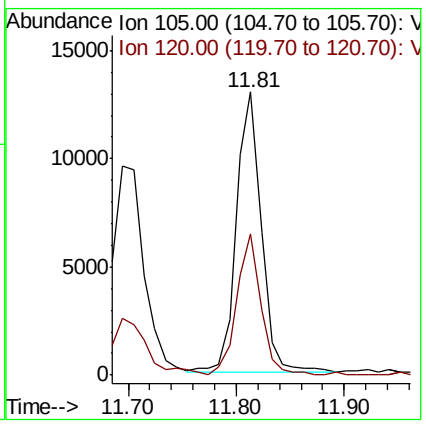


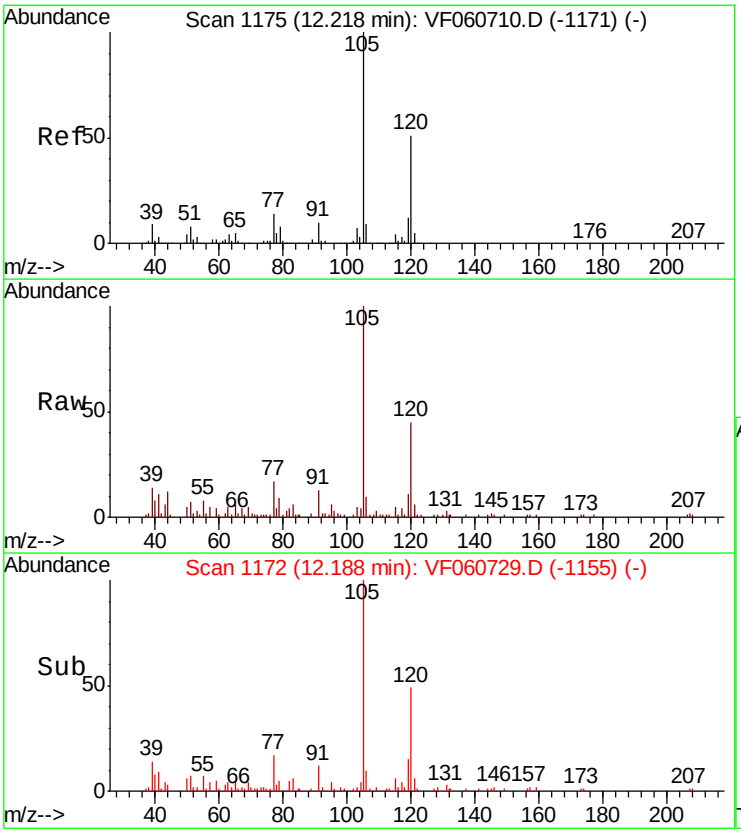
#80
1,3,5-Trimethylbenzene
Concen: 1.555 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.02 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion:105 Resp: 20514

Ion	Ratio	Lower	Upper
105	100		
120	49.8	25.6	76.8

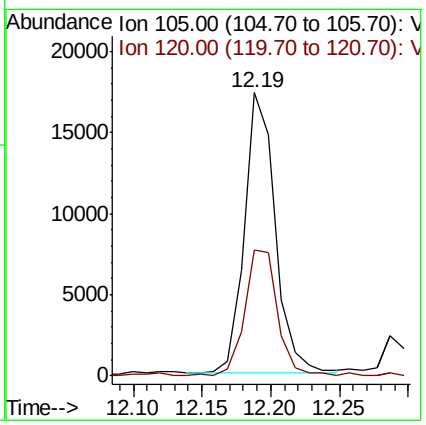


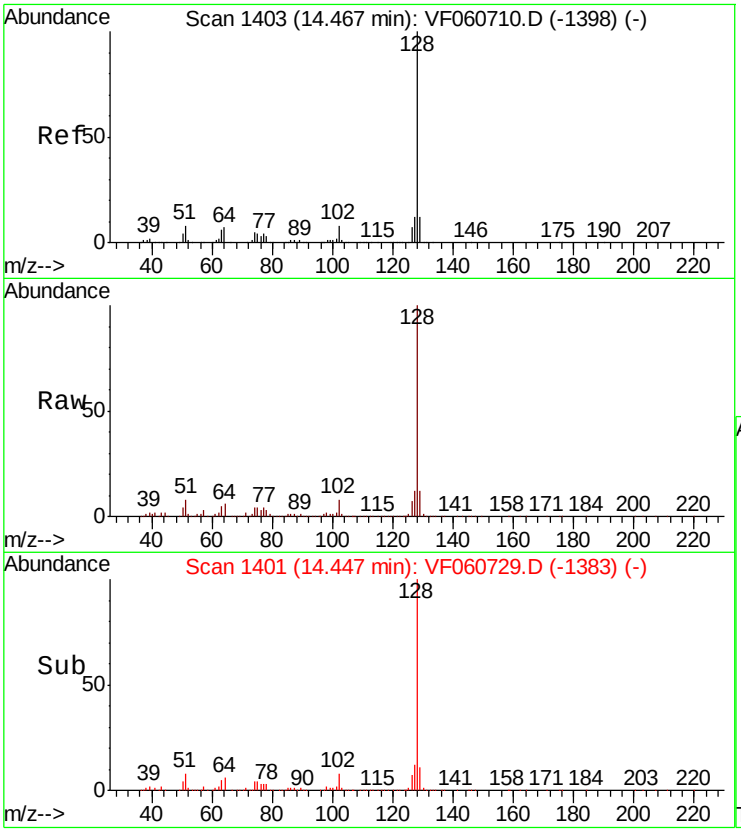


#84
1,2,4-Trimethylbenzene
Concen: 1.978 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.03 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion:105 Resp: 26995

Ion	Ratio	Lower	Upper
105	100		
120	44.7	25.5	76.5





#95
Naphthalene
Concen: 31.209 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion:128 Resp: 265280

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.6
129	11.6	9.3	13.9