Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060004.D
Acq On : 20 Aug 2018 16:09
Operator : VA/AP
Sample : J4274-03
Misc : 4.02g/5mL/MSVOA F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Quant Time: Aug 21 04:26:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.05	168	122581	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	5.77	114	172446	50.00	ug/l		0.00
63) Chlorobenzene-d5	9.92	117	168017	50.00	ug/l		-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	102225	50.00	ug/l		-0.02
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.02	65	126349	53.40	ug/l		0.00
Spiked Amount 50.000			Recovery = 106.80%				
35) Dibromofluoromethane	4.29	113	97254	55.18	ug/l		-0.02
Spiked Amount 50.000			Recovery = 110.36%				
50) Toluene-d8	7.71	98	188097	47.99	ug/l		0.00
Spiked Amount 50.000			Recovery = 95.98%				
62) 4-Bromofluorobenzene	11.52	95	108198	44.99	ug/l		0.00
Spiked Amount 50.000			Recovery = 89.98%				
Target Compounds							Qvalue
10) Methyl Iodide	1.93	142	2486	1.18	ug/l	#	73
11) Tert butyl alcohol	2.68	59	227	1.65	ug/l	#	76
13) Acrolein	1.94	56	130	14.31	ug/l		88
16) Acetone	2.33	43	12171	7.82	ug/l		96
20) Methylene Chloride	2.28	84	6674	1.12	ug/l		91
25) 2-Butanone	4.51	43	1378	2.41	ug/l	#	63
39) Methylcyclohexane	5.62	83	4435	3.01	ug/l	#	83
48) Methyl methacrylate	6.81	41	1082	1.22	ug/l	#	67
49) 1,4-Dioxane	7.07	88	64	65.12	ug/l	#	25
51) 4-Methyl-2-Pentanone	8.42	43	5319	4.77	ug/l	#	69
56) Ethyl methacrylate	8.78	69	11425	9.88	ug/l		93
58) 2-Chloroethyl Vinyl ether	7.78	63	221	2.28	ug/l		100
59) 2-Hexanone	9.63	43	3906	4.24	ug/l		89
68) m/p-Xylenes	10.27	106	13433	6.44	ug/l		99
69) o-Xylene	10.84	106	5062	2.37	ug/l		95
73) Isopropylbenzene	11.23	105	6540	1.07	ug/l		92
75) 1,1,2,2-Tetrachloroethane	11.78	83	1690	1.40	ug/l	#	40
76) 1,2,3-Trichloropropane	11.91	75	1287	1.21	ug/l	#	1
78) n-propylbenzene	11.69	91	19336	2.54	ug/l		98
79) 2-Chlorotoluene	11.81	91	15021	3.25	ug/l	#	45
80) 1,3,5-Trimethylbenzene	11.91	105	117704	21.24	ug/l		96
84) 1,2,4-Trimethylbenzene	12.28	105	273924	46.95	ug/l		81
85) sec-Butylbenzene	12.28	105	273924	38.07	ug/l	#	57
86) p-Isopropyltoluene	12.51	119	25690	4.04	ug/l		98
89) n-Butylbenzene	12.91	91	28055	4.56	ug/l	#	1
90) Hexachloroethane	13.00	117	2172	1.52	ug/l	#	15
95) Naphthalene	14.52	128	78687	21.94	ug/l		99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
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Acq On : 20 Aug 2018 16:09
Operator : VA/AP
Sample : J4274-03
Misc : 4.02g/5mL/MSVOA F/SOIL
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Instrument : MSVOA_F
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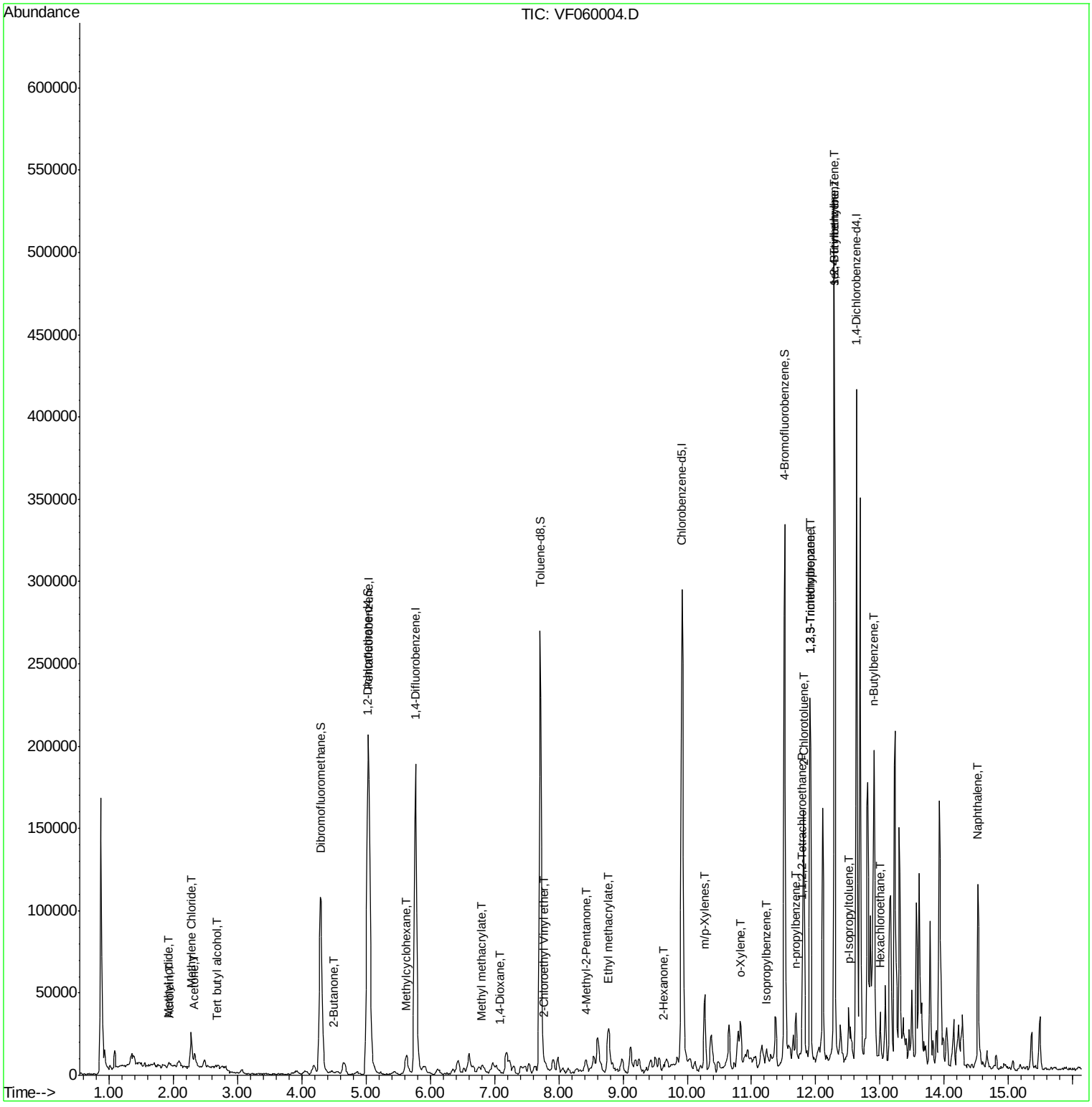
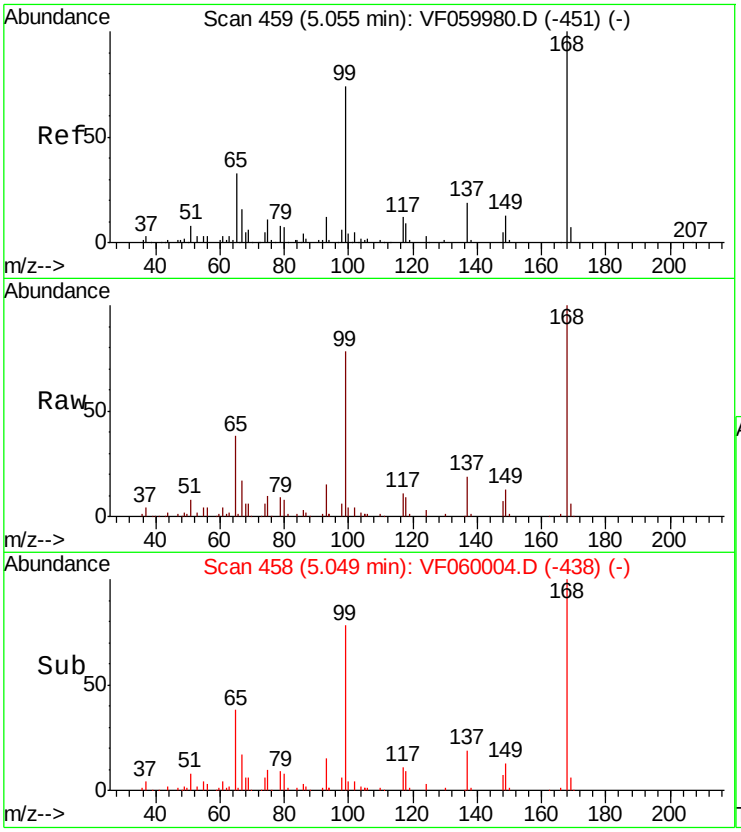
Quant Time: Aug 21 04:26:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration



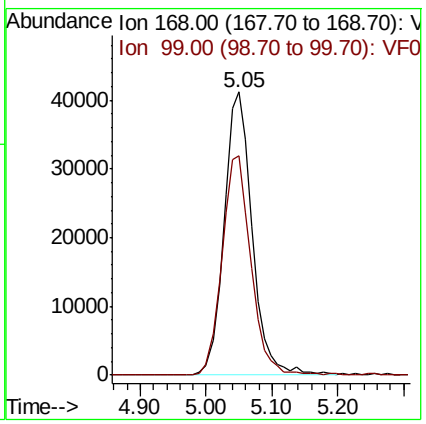


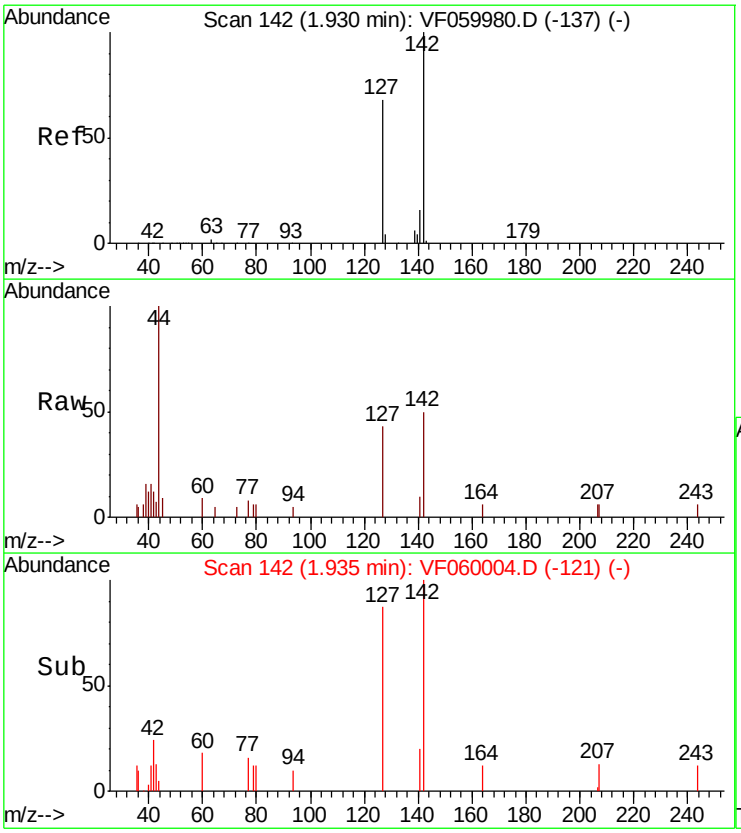
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.05 min Scan# 458
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Tgt Ion:168 Resp: 122581

Ion	Ratio	Lower	Upper
168	100		
99	77.6	59.0	88.6

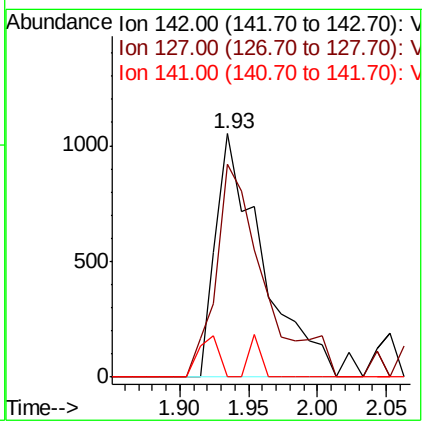


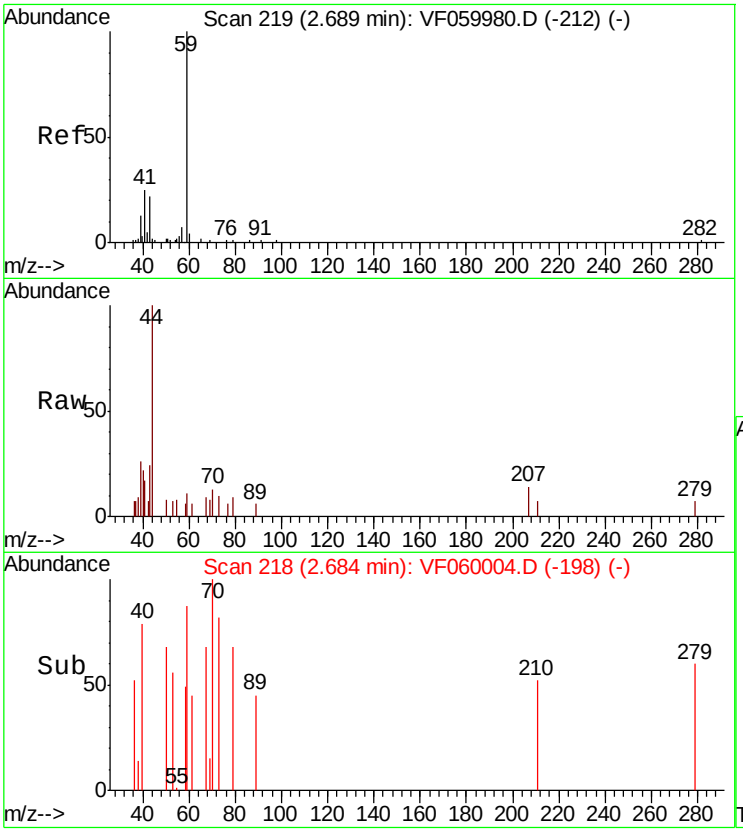


#10
Methyl Iodide
Concen: 1.18 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.00 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion:142 Resp: 2486

Ion	Ratio	Lower	Upper
142	100		
127	87.3	54.1	81.1#
141	0.0	12.5	18.7#



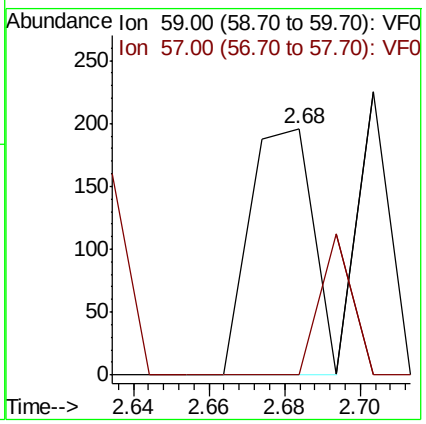


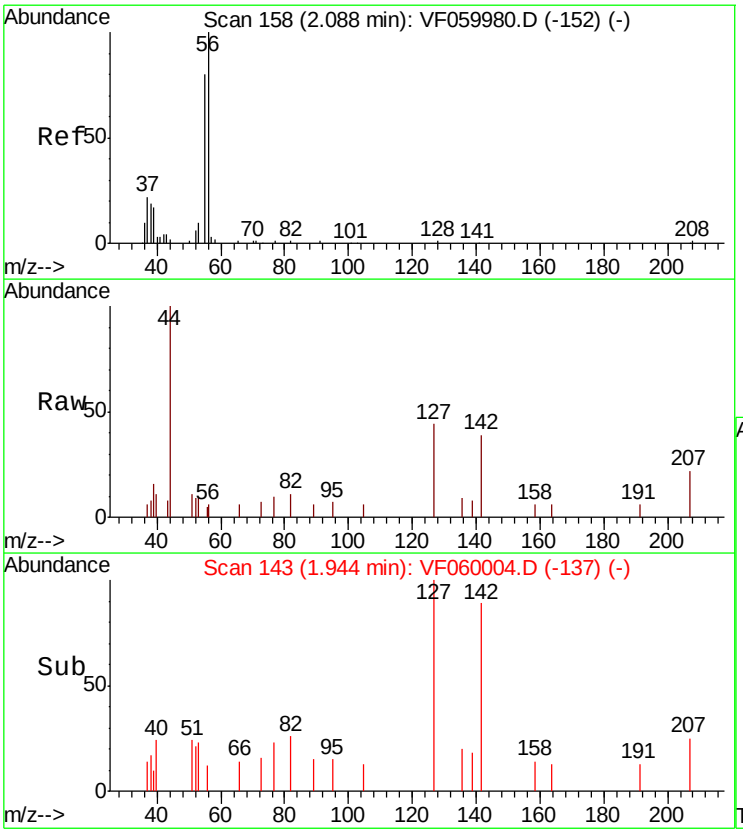
#11
Tert butyl alcohol
Concen: 1.65 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion: 59 Resp: 227

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.8	10.2#

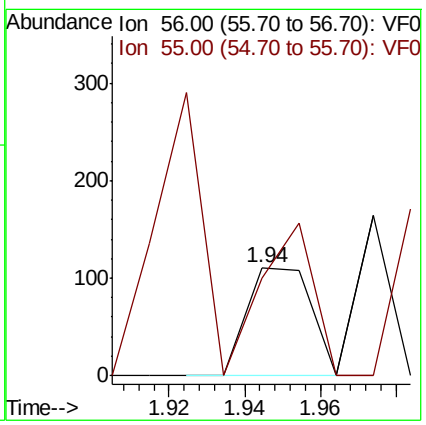


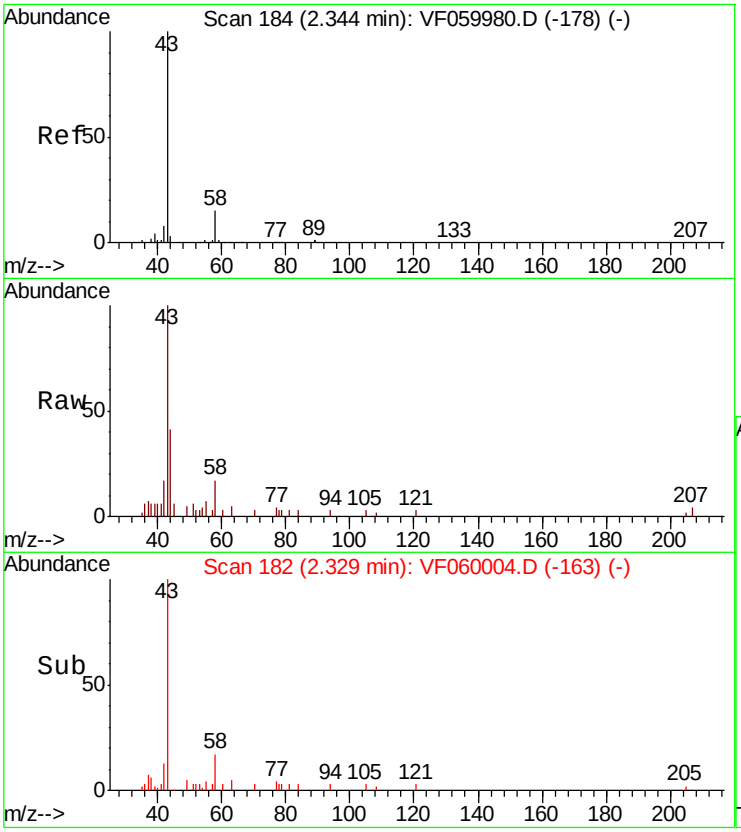


#13
Acrolein
Concen: 14.31 ug/l
RT: 1.94 min Scan# 143
Delta R.T. -0.14 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion: 56 Resp: 130

Ion	Ratio	Lower	Upper
56	100		
55	90.1	63.8	95.6



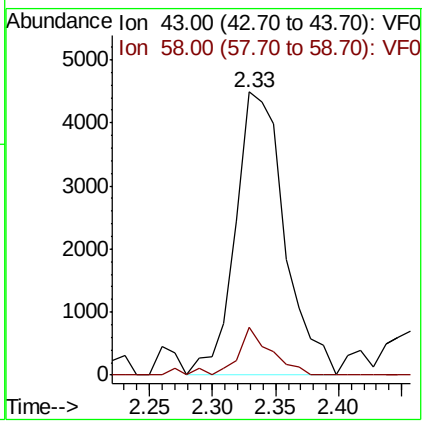


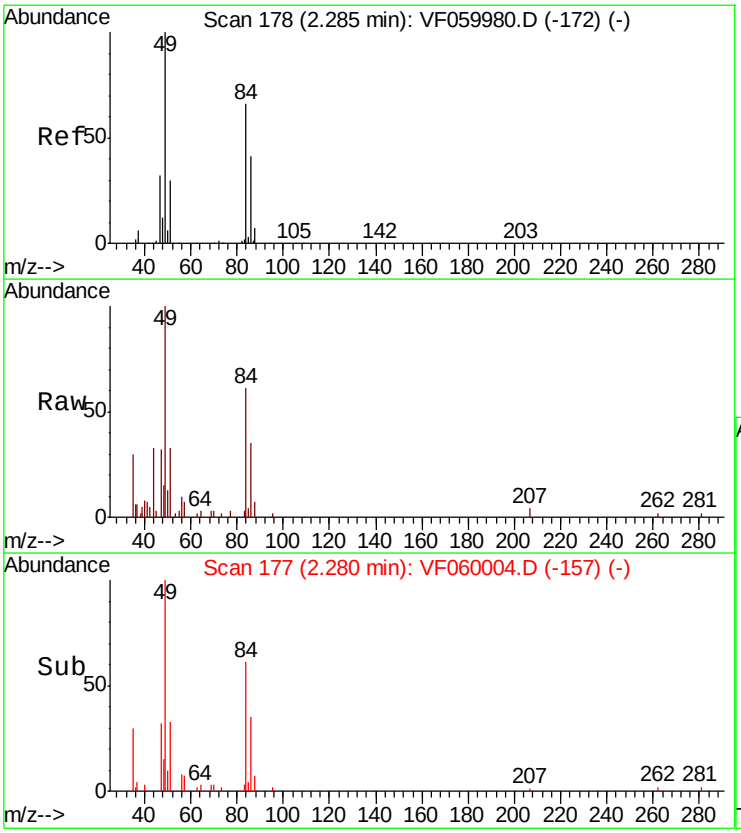
#16
Acetone
Concen: 7.82 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion: 43 Resp: 12171

Ion	Ratio	Lower	Upper
43	100		
58	16.7	11.9	17.9

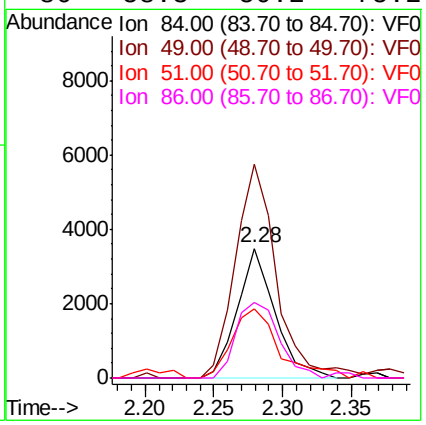


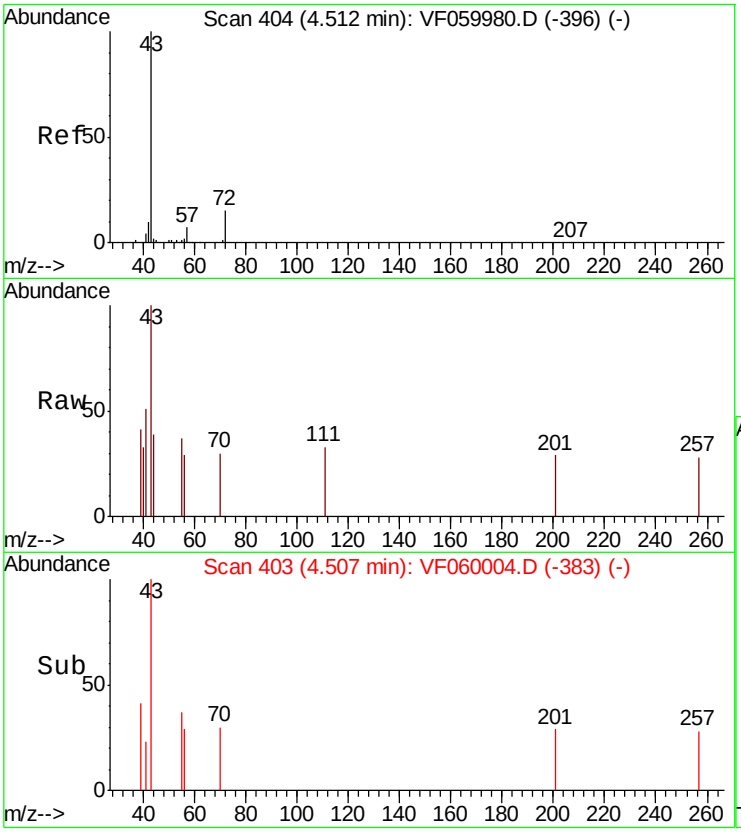


#20
Methylene Chloride
Concen: 1.12 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion: 84 Resp: 6674

Ion	Ratio	Lower	Upper
84	100		
49	164.8	122.5	183.7
51	53.6	37.1	55.7
86	58.3	50.2	75.2



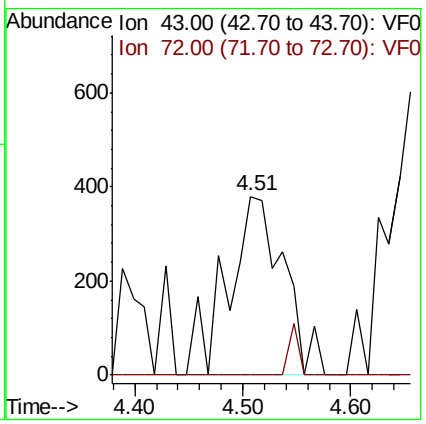


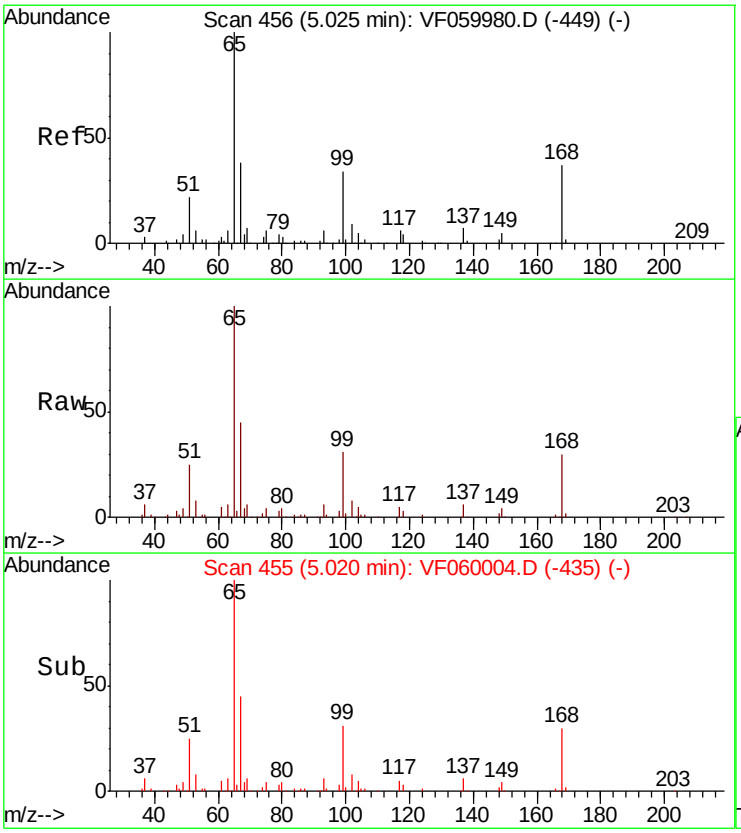
#25
2-Butanone
Concen: 2.41 ug/l
RT: 4.51 min Scan# 403
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion: 43 Resp: 1378

Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.5	18.7#

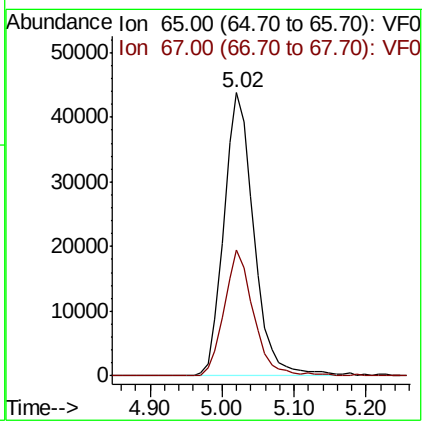


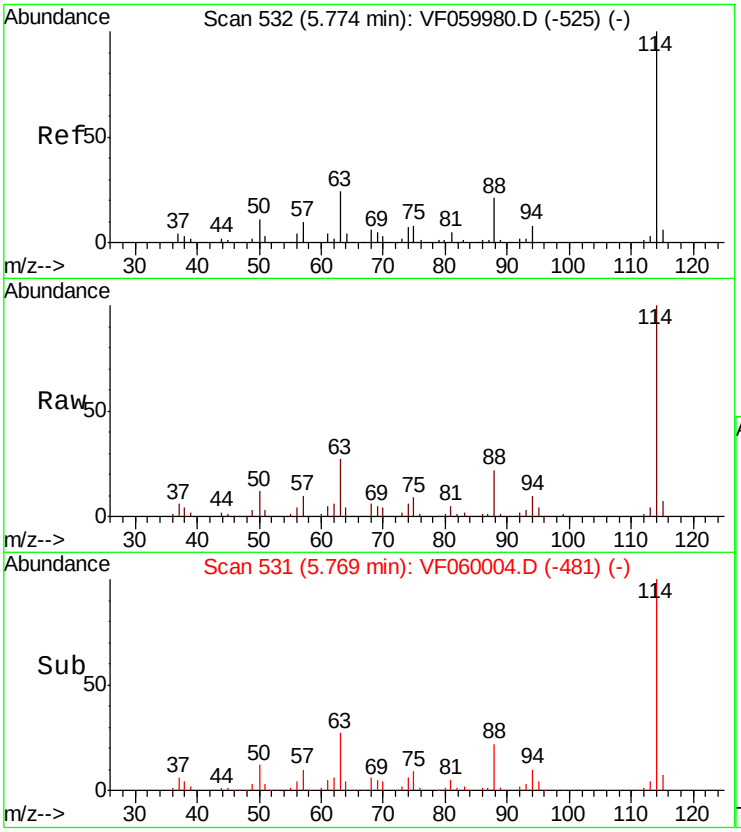


#33
1,2-Dichloroethane-d4
Concen: 53.40 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion: 65 Resp: 126349

Ion	Ratio	Lower	Upper
65	100		
67	44.6	0.0	82.6



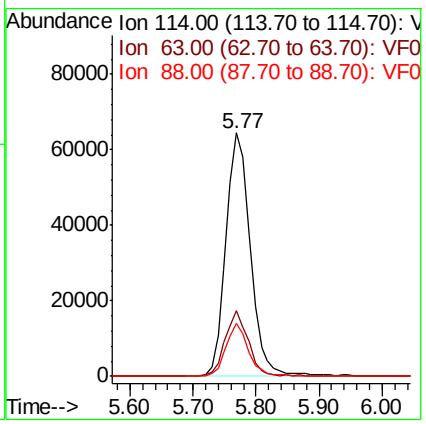


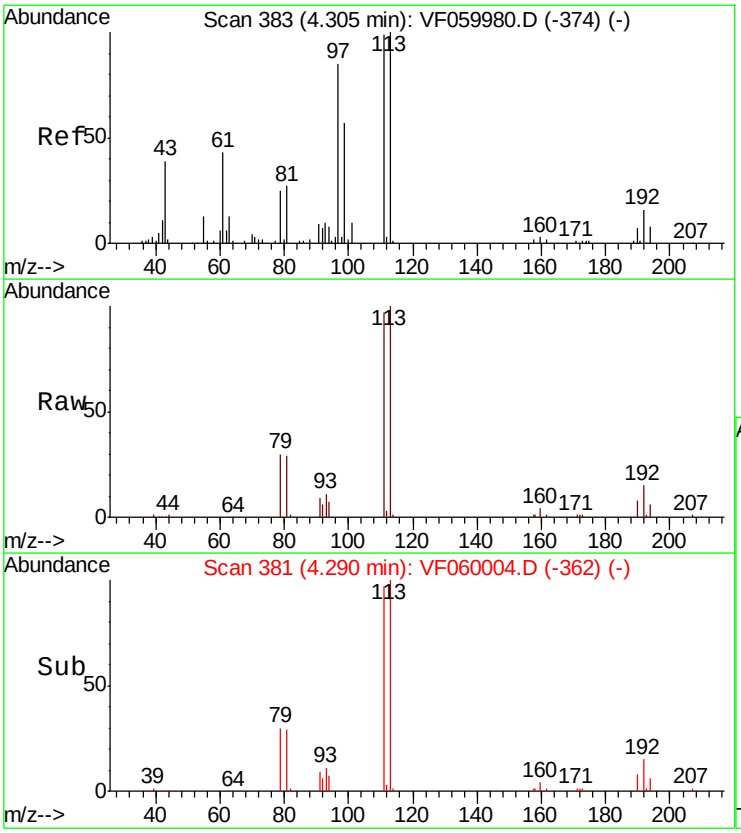
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.77 min Scan# 531
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Tgt Ion:114 Resp: 172446

Ion	Ratio	Lower	Upper
114	100		
63	26.9	0.0	48.6
88	21.5	0.0	42.8

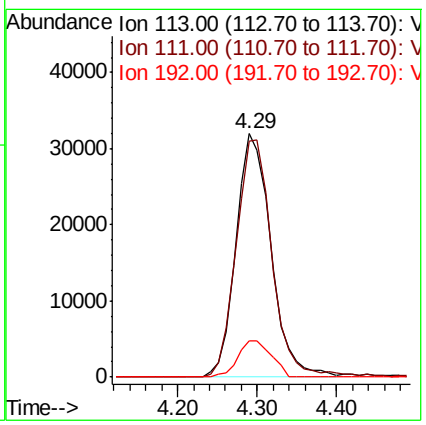


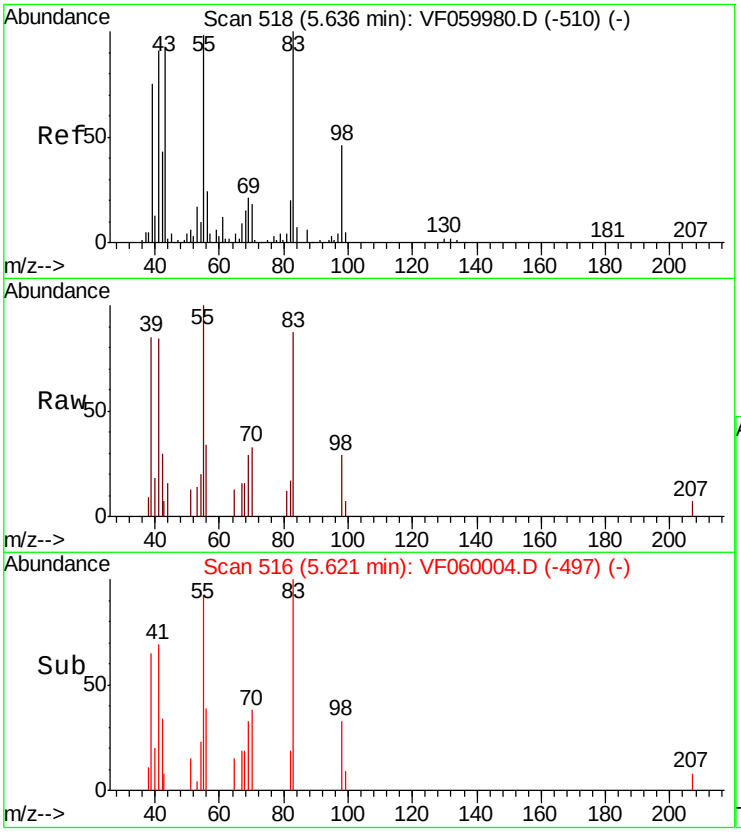


#35
Dibromofluoromethane
Concen: 55.18 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion:113 Resp: 97254

Ion	Ratio	Lower	Upper
113	100		
111	96.7	79.5	119.3
192	15.1	12.4	18.6



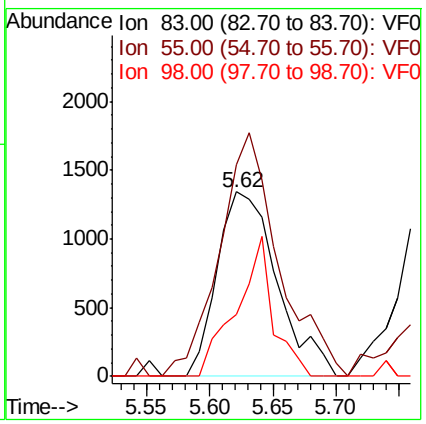


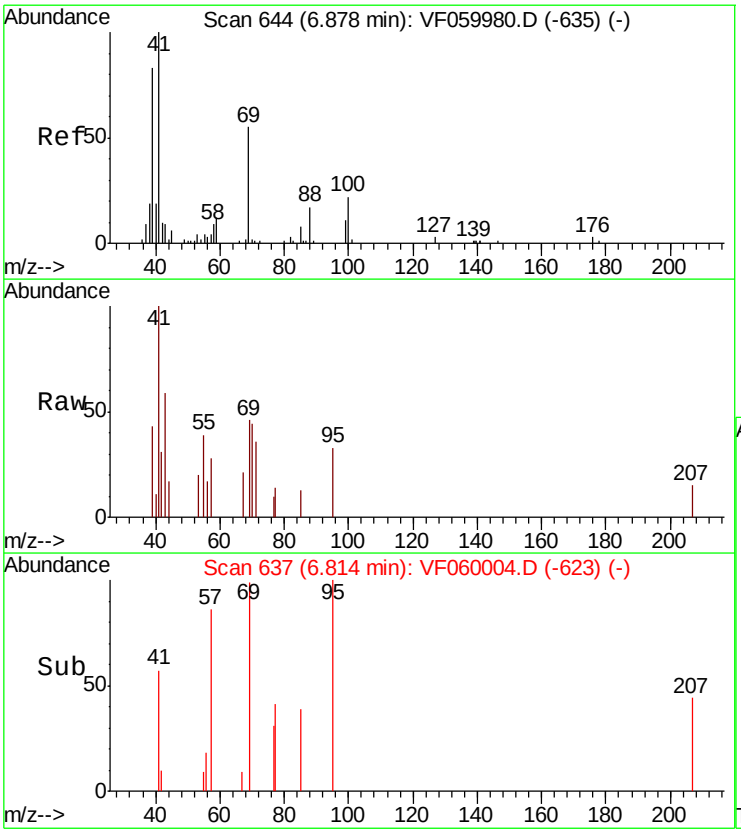
#39
Methylcyclohexane
Concen: 3.01 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion: 83 Resp: 4435

Ion	Ratio	Lower	Upper
83	100		
55	114.4	78.8	118.2
98	33.2	36.8	55.2#

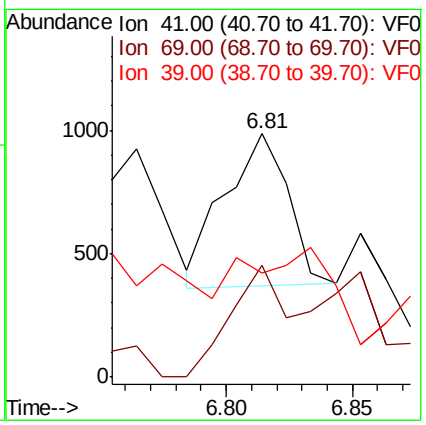


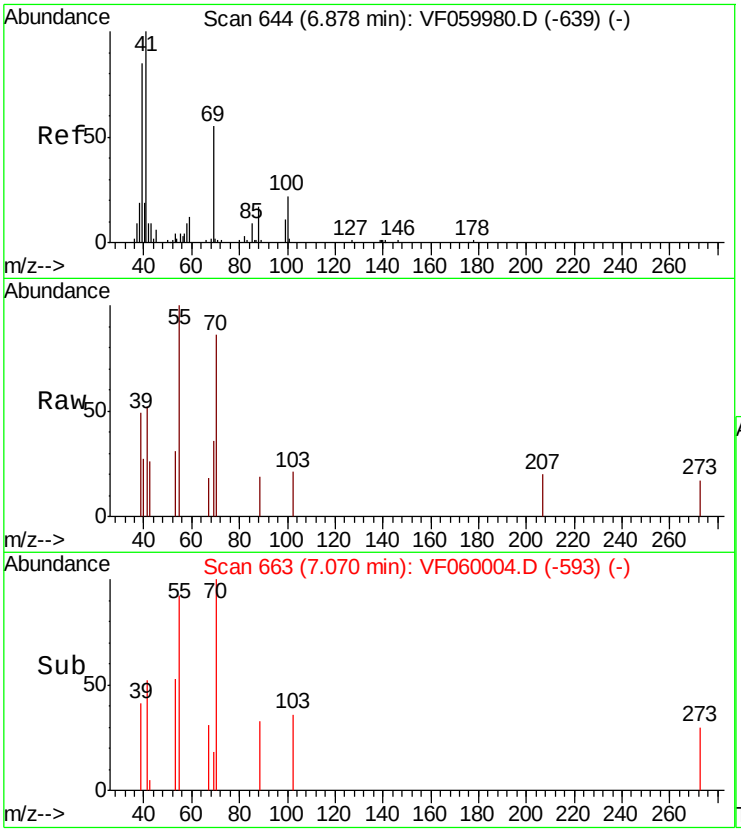


#48
Methyl methacrylate
Concen: 1.22 ug/l
RT: 6.81 min Scan# 637
Delta R.T. -0.06 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion: 41 Resp: 1082

Ion	Ratio	Lower	Upper
41	100		
69	45.9	44.4	66.6
39	43.0	67.8	101.6#



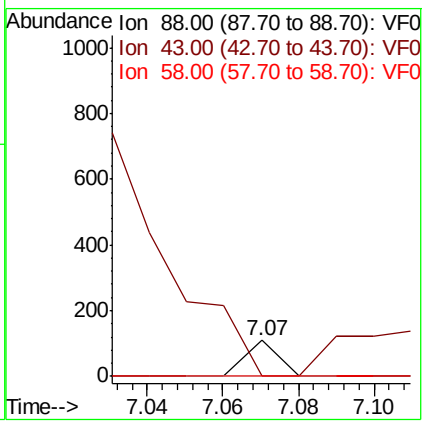


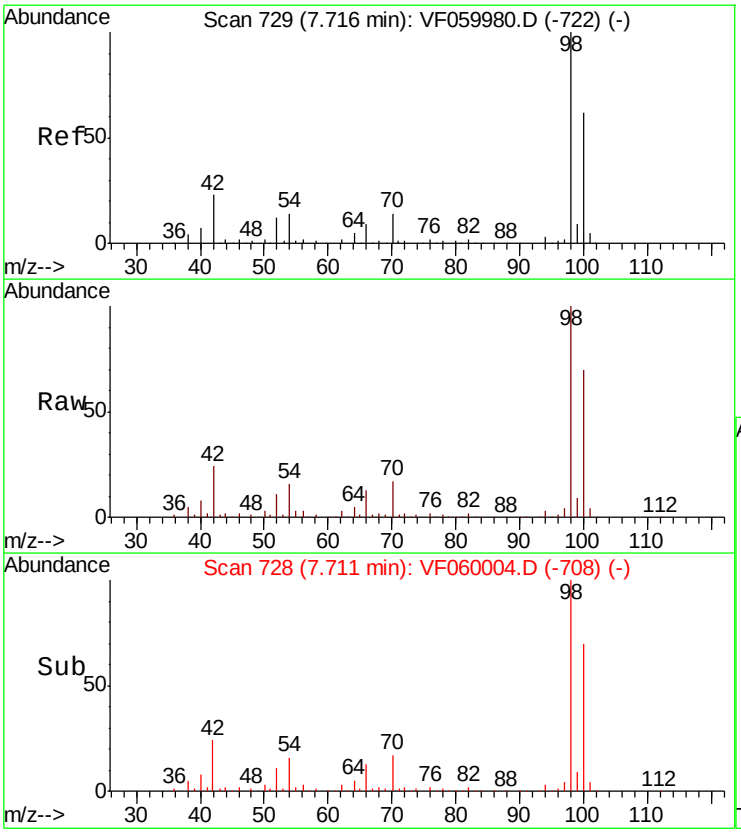
#49
1,4-Dioxane
Concen: 65.12 ug/l
RT: 7.07 min Scan# 663
Delta R.T. 0.19 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion: 88 Resp: 64

Ion	Ratio	Lower	Upper
88	100		
43	0.0	43.2	64.8#
58	0.0	42.0	63.0#

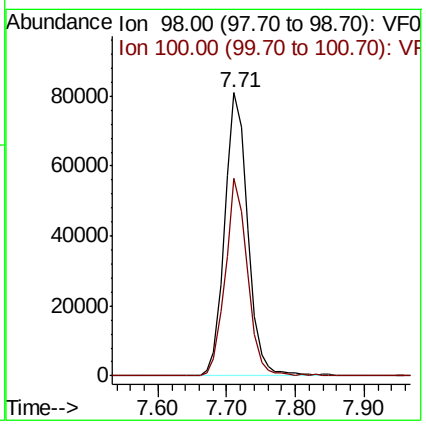


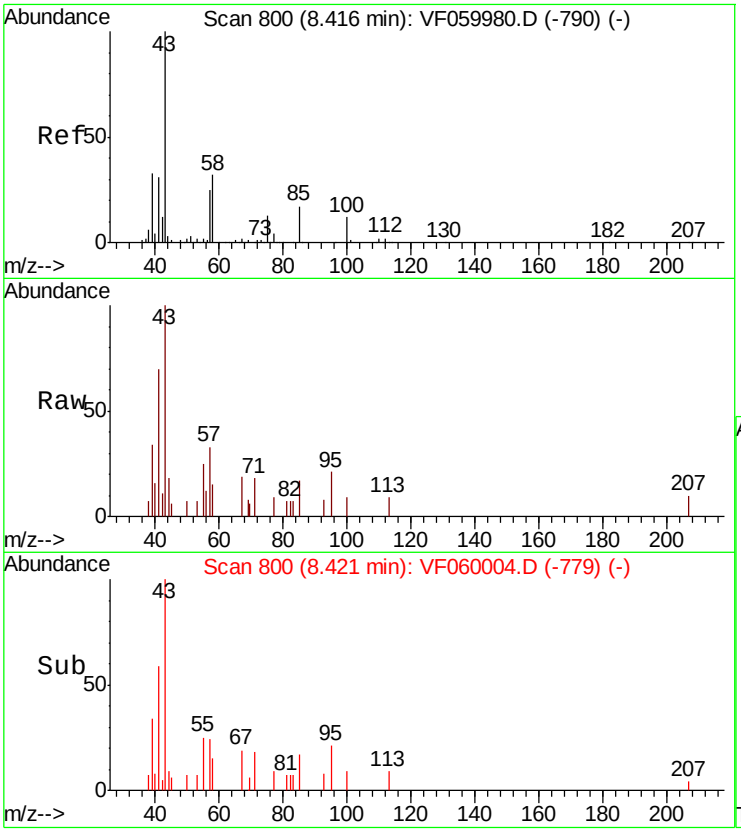


#50
Toluene-d8
Concen: 47.99 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion: 98 Resp: 188097

Ion	Ratio	Lower	Upper
98	100		
100	69.8	49.8	74.8



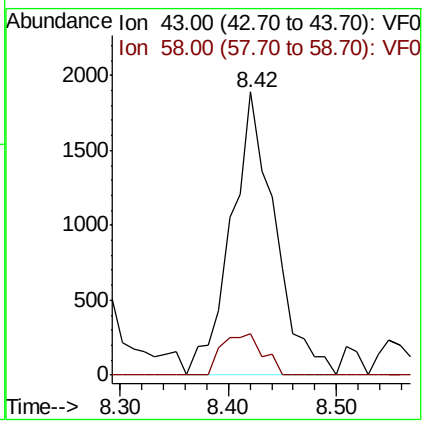


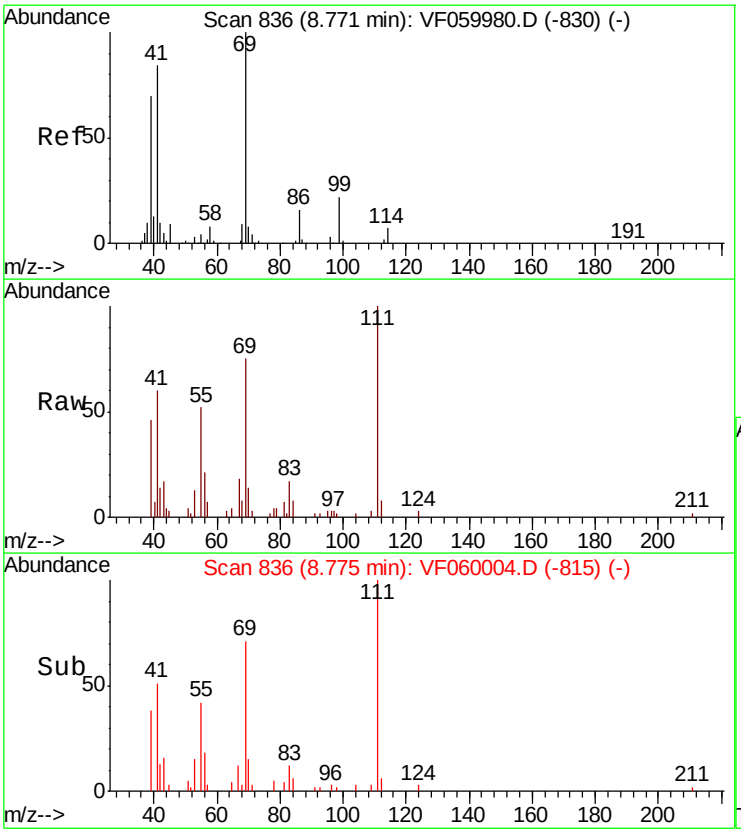
#51
4-Methyl-2-Pentanone
Concen: 4.77 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.00 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion: 43 Resp: 5319

Ion	Ratio	Lower	Upper
43	100		
58	14.7	25.6	38.4#

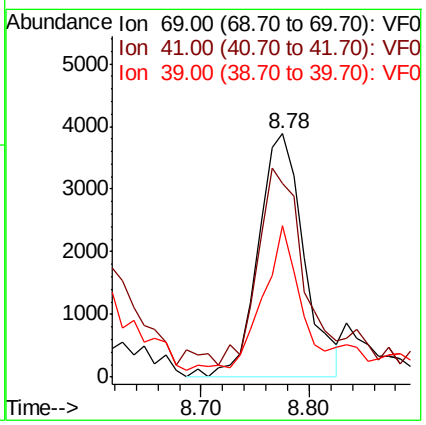


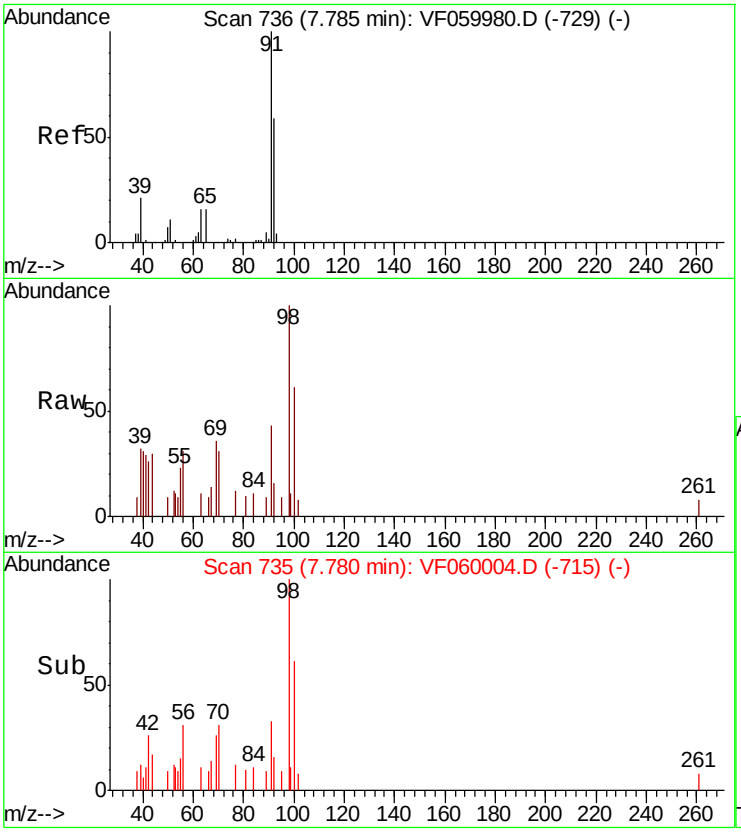


#56
Ethyl methacrylate
Concen: 9.88 ug/l
RT: 8.78 min Scan# 836
Delta R.T. 0.00 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion: 69 Resp: 11425

Ion	Ratio	Lower	Upper
69	100		
41	79.7	67.8	101.6
39	62.0	55.8	83.6



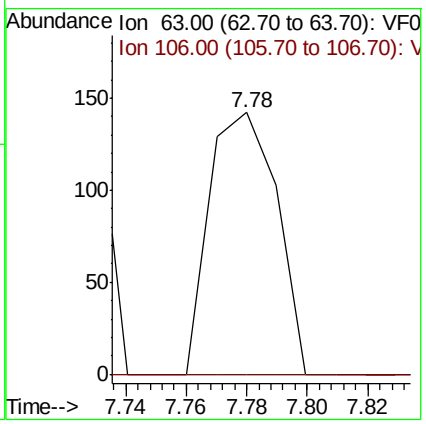


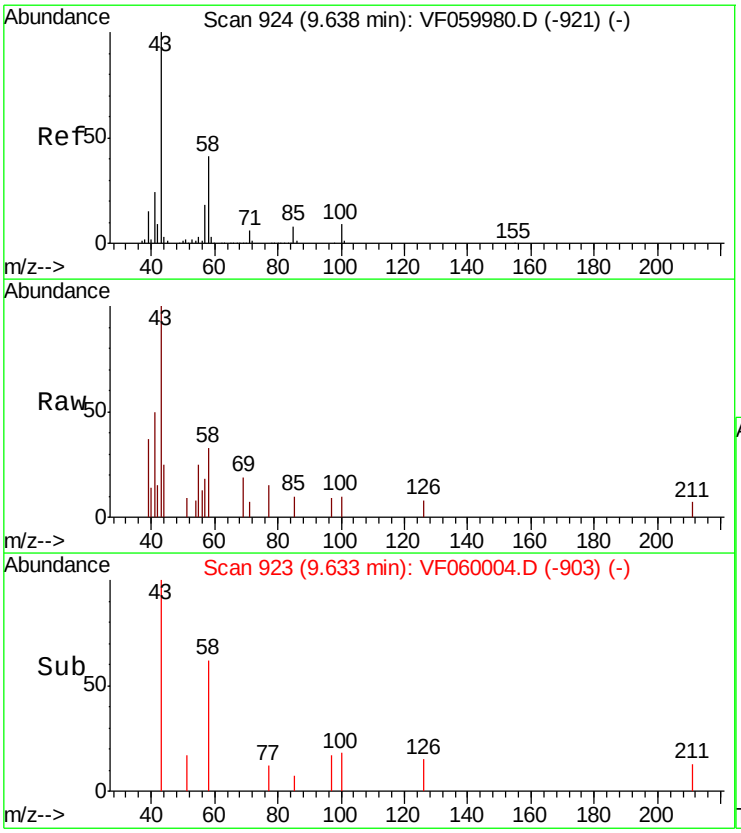
#58
2-Chloroethyl Vinyl ether
Concen: 2.28 ug/l
RT: 7.78 min Scan# 735
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion: 63 Resp: 221

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

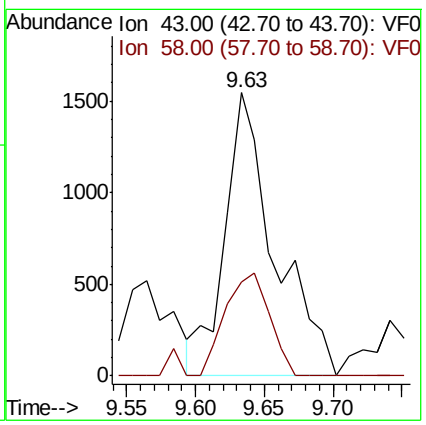


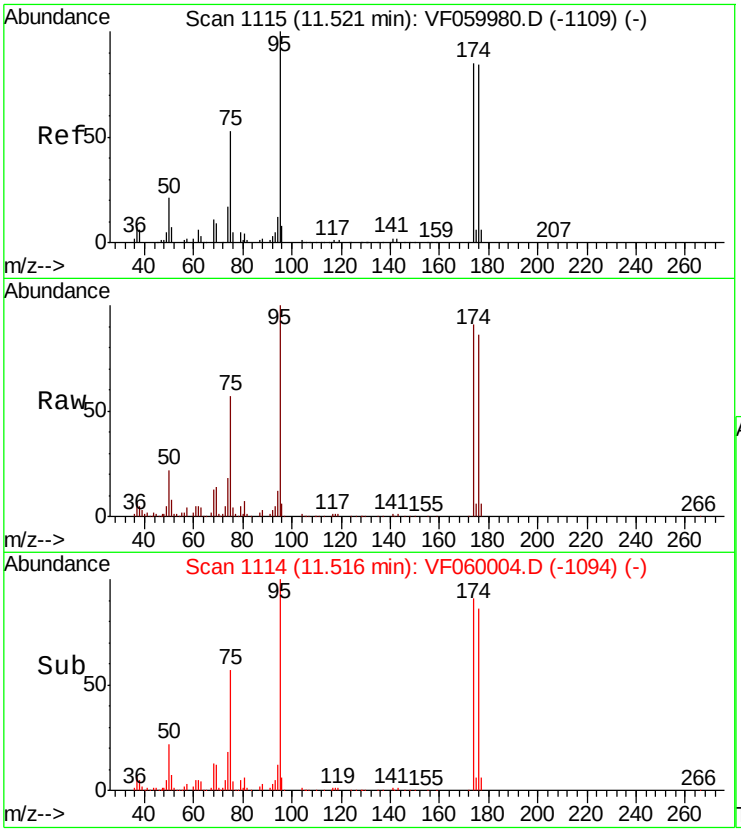


#59
2-Hexanone
Concen: 4.24 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion: 43 Resp: 3906

Ion	Ratio	Lower	Upper
43	100		
58	33.2	20.1	60.3



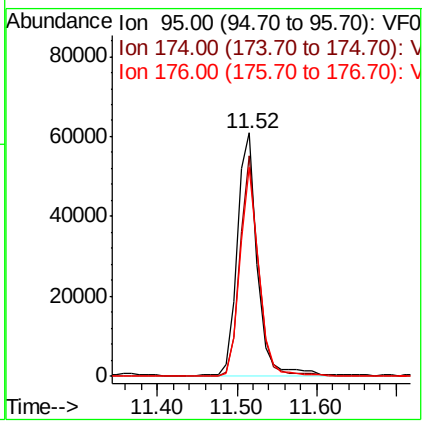


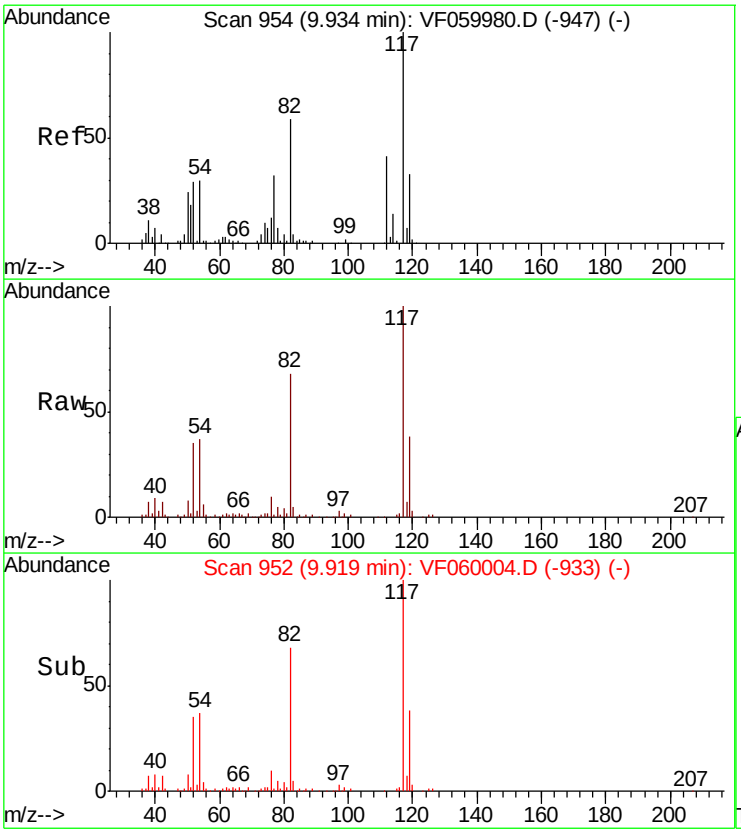
#62
4-Bromofluorobenzene
Concen: 44.99 ug/l
RT: 11.52 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Tgt Ion: 95 Resp: 108198

Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	169.8
176	85.9	0.0	167.8

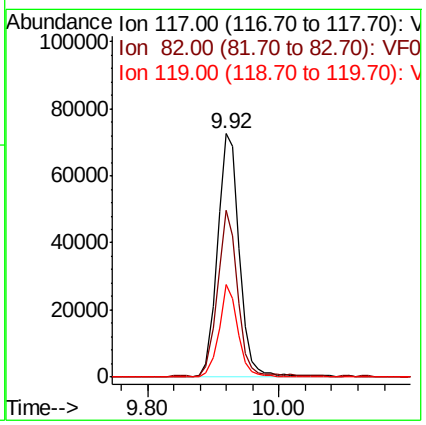


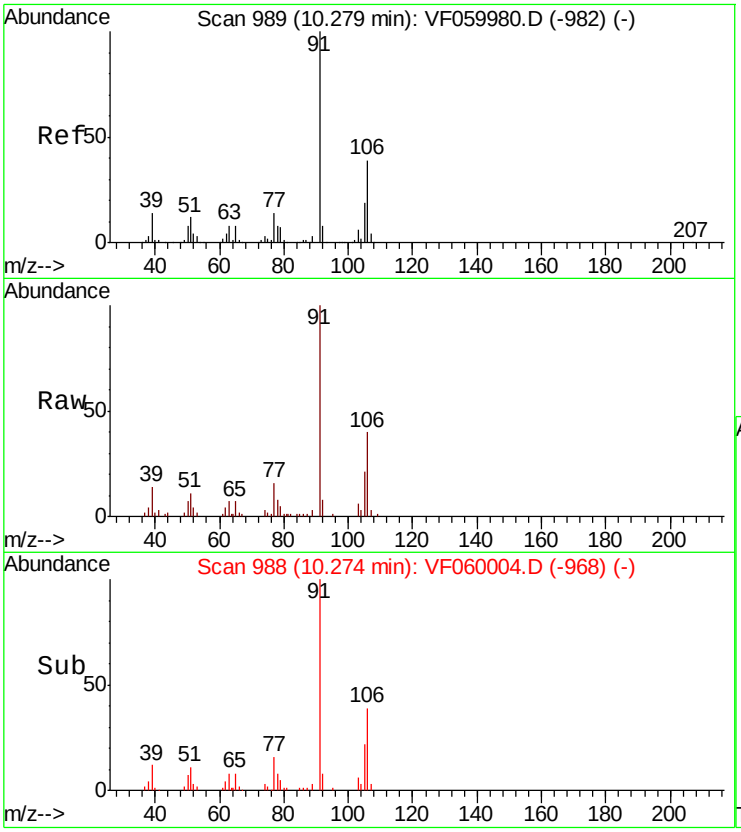


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion:117 Resp: 168017

Ion	Ratio	Lower	Upper
117	100		
82	68.5	47.2	70.8
119	37.8	26.1	39.1



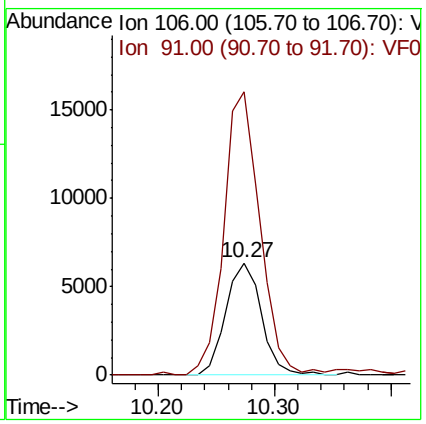


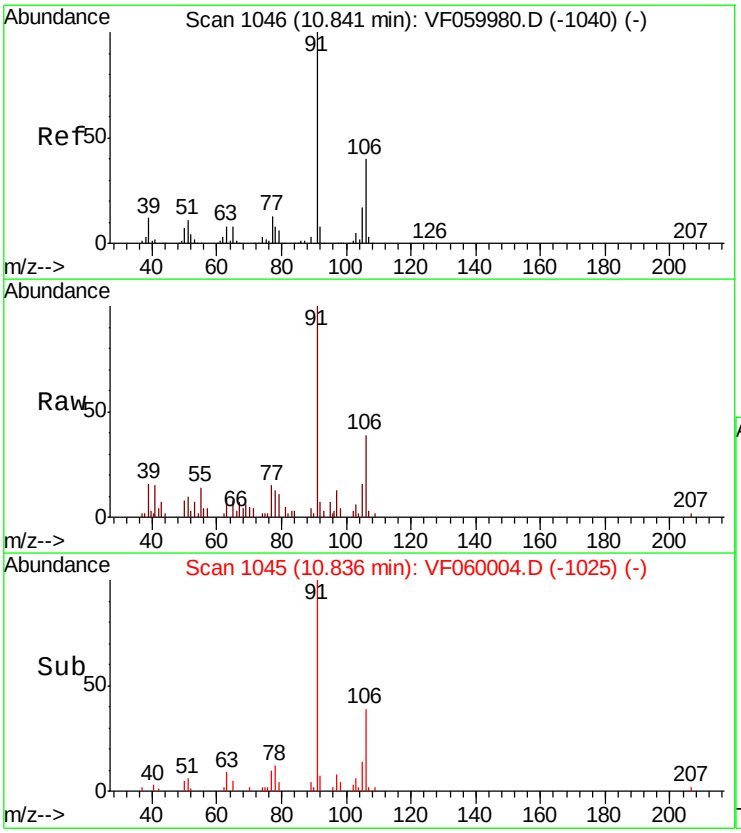
#68
m/p-Xylenes
Concen: 6.44 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion:106 Resp: 13433

Ion	Ratio	Lower	Upper
106	100		
91	251.9	203.5	305.3

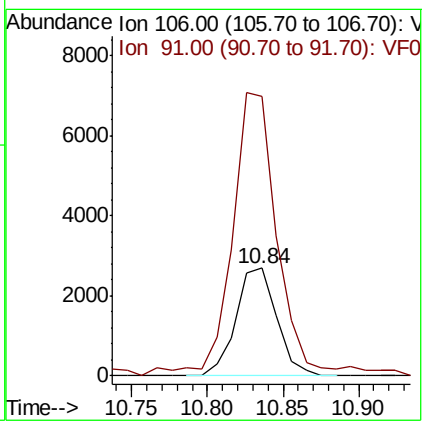


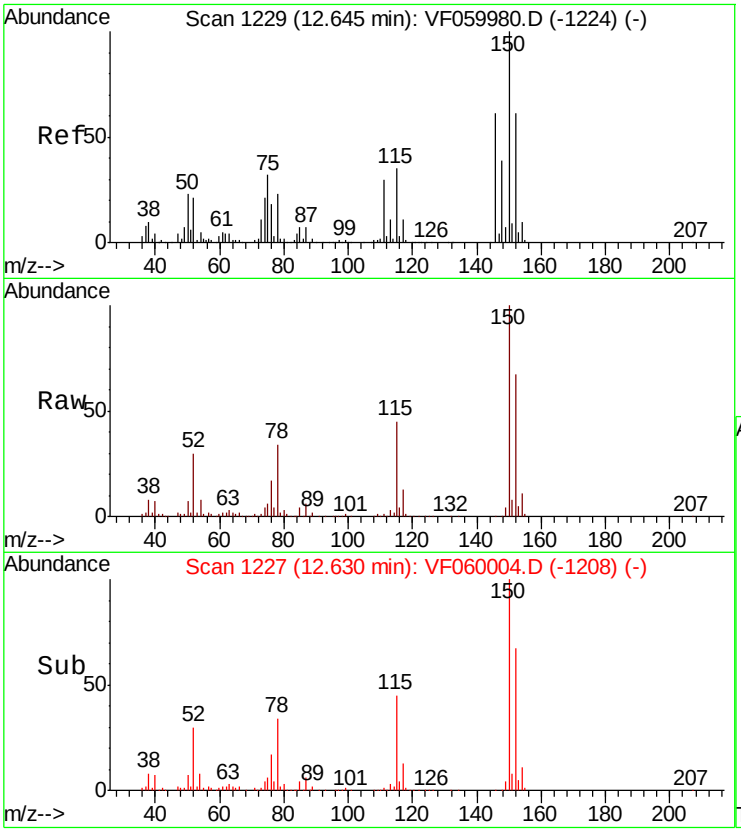


#69
o-Xylene
Concen: 2.37 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion:106 Resp: 5062

Ion	Ratio	Lower	Upper
106	100		
91	259.6	125.4	376.2



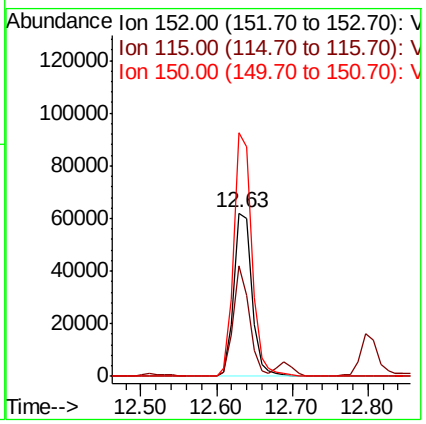


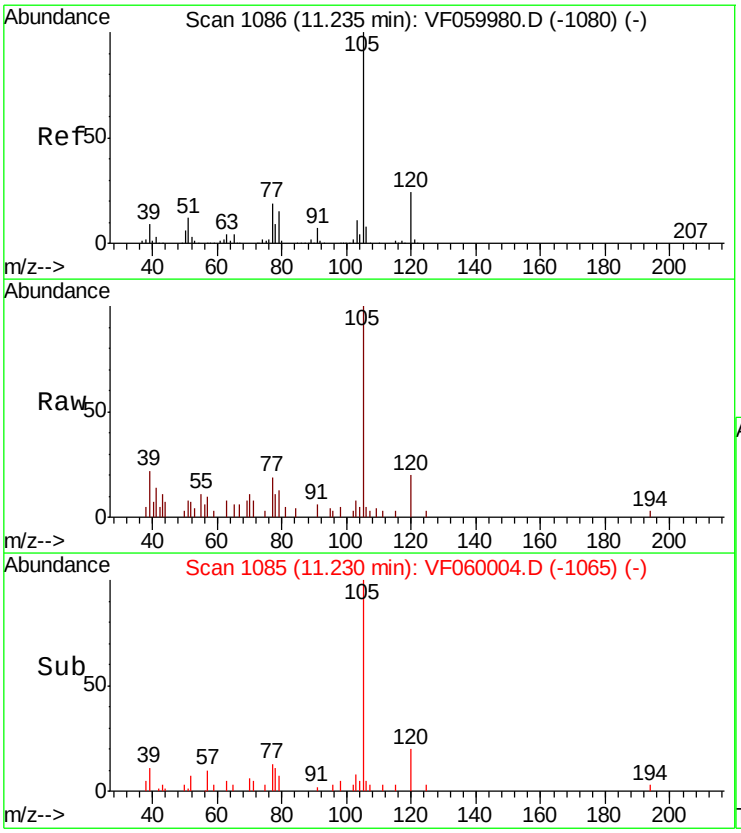
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion:152 Resp: 102225

Ion	Ratio	Lower	Upper
152	100		
115	67.3	29.1	87.3
150	148.8	0.0	330.2

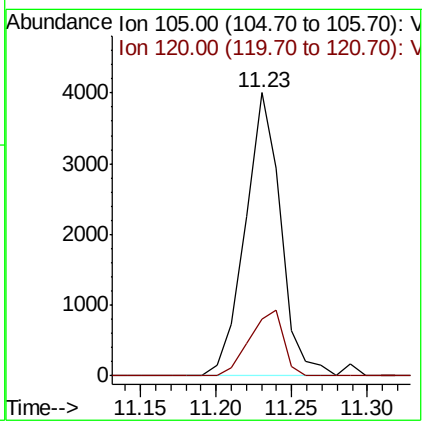


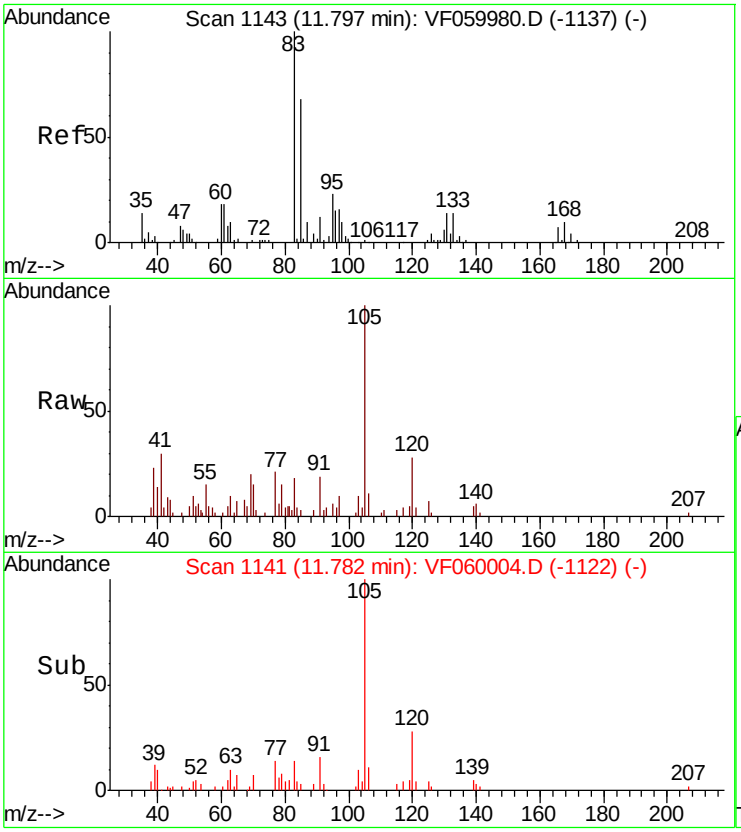


#73
Isopropylbenzene
Concen: 1.07 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion:105 Resp: 6540

Ion	Ratio	Lower	Upper
105	100		
120	19.9	11.9	35.5



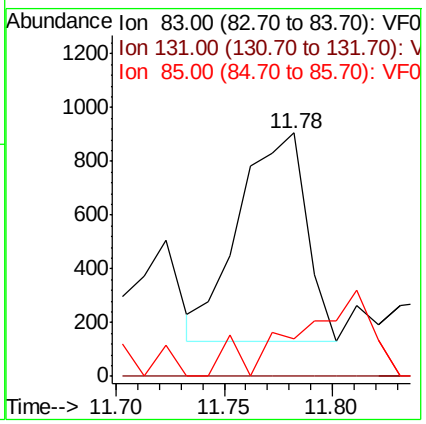


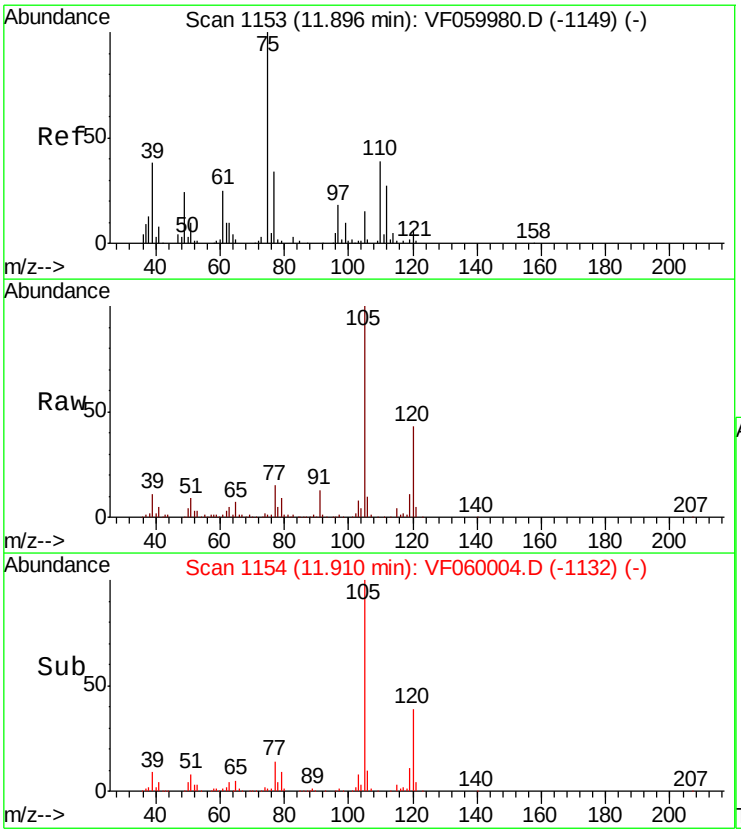
#75
1,1,2,2-Tetrachloroethane
Concen: 1.40 ug/l
RT: 11.78 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion: 83 Resp: 1690

Ion	Ratio	Lower	Upper
83	100		
131	0.0	7.2	21.6#
85	15.5	34.1	102.2#

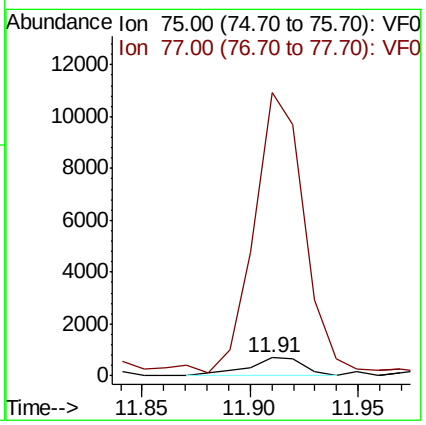


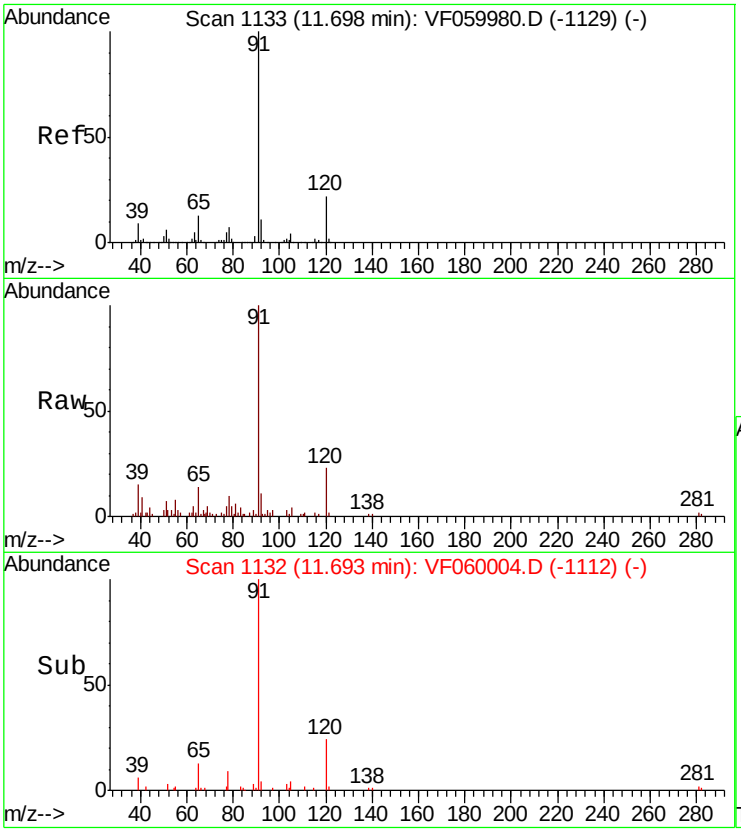


#76
1,2,3-Trichloropropane
Concen: 1.21 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion: 75 Resp: 1287

Ion	Ratio	Lower	Upper
75	100		
77	1561.7	17.1	51.3#



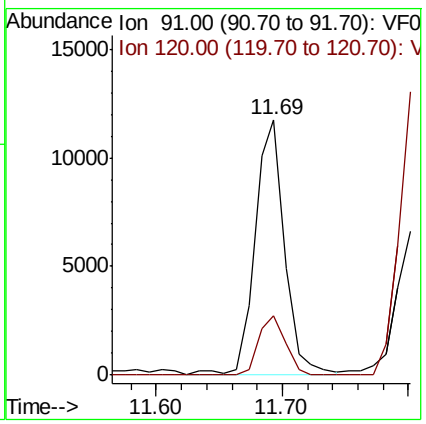


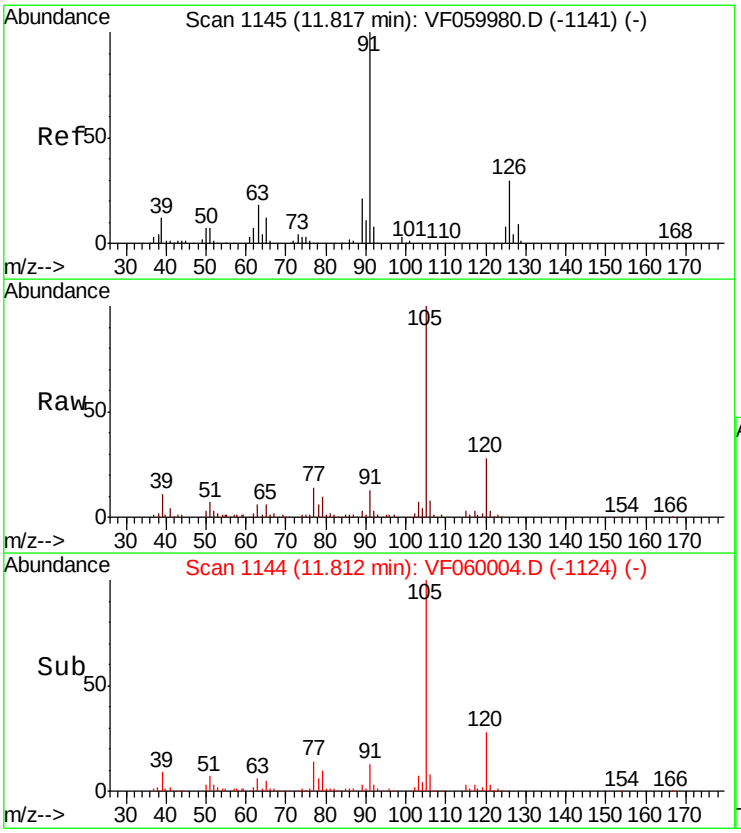
#78
n-propylbenzene
Concen: 2.54 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument : MSVOA_F
ClientSampleId : HD-02-081718

Tgt Ion: 91 Resp: 19336

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.0	33.0

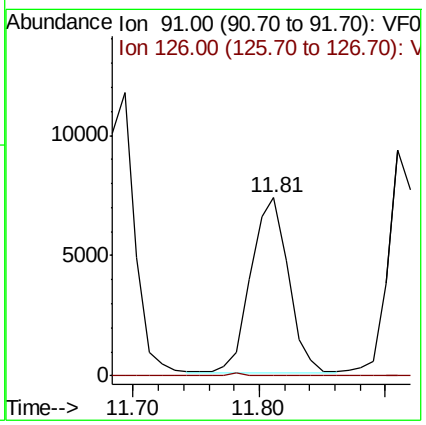


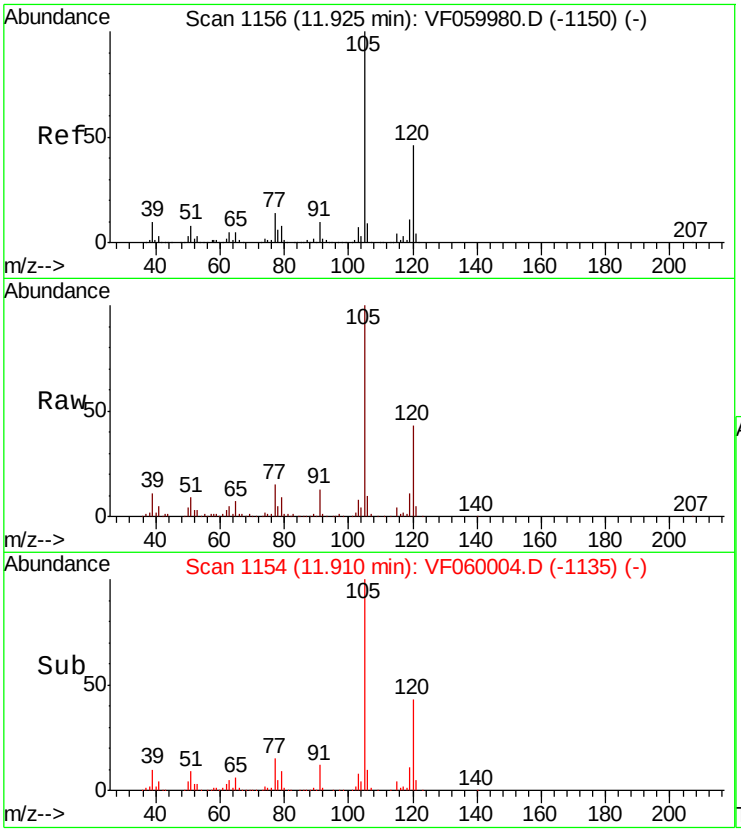


#79
2-Chlorotoluene
Concen: 3.25 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion: 91 Resp: 15021

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.7	44.1#



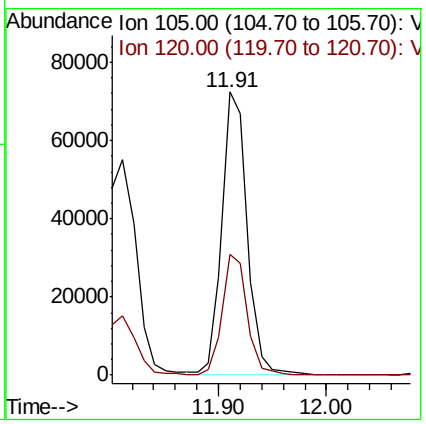


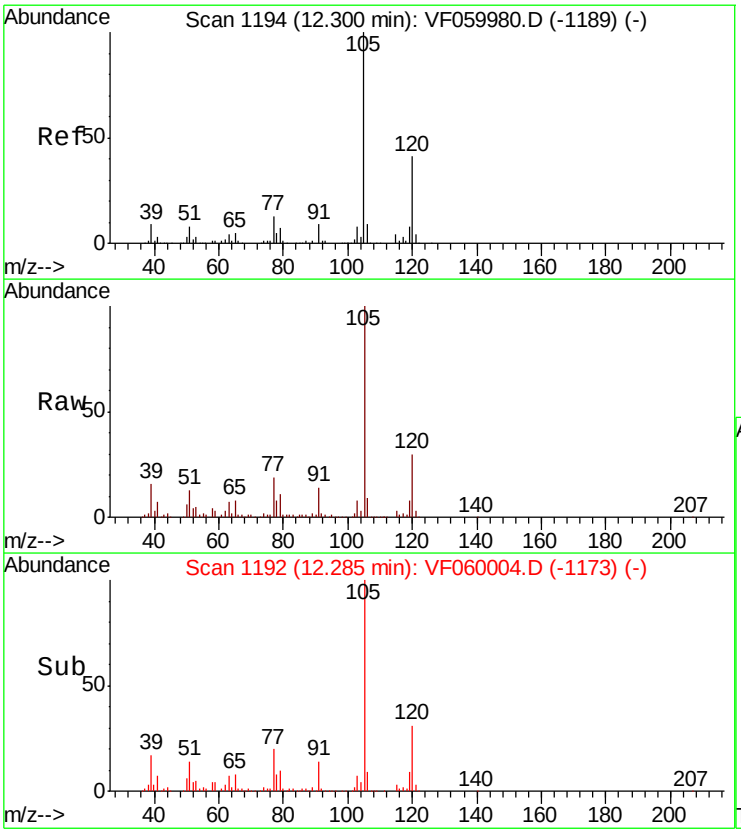
#80
1,3,5-Trimethylbenzene
Concen: 21.24 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Tgt Ion:105 Resp: 117704

Ion	Ratio	Lower	Upper
105	100		
120	42.9	22.9	68.7

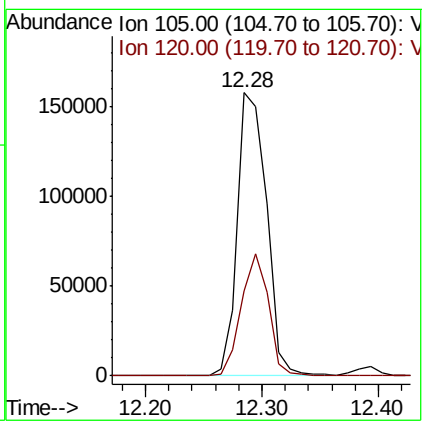


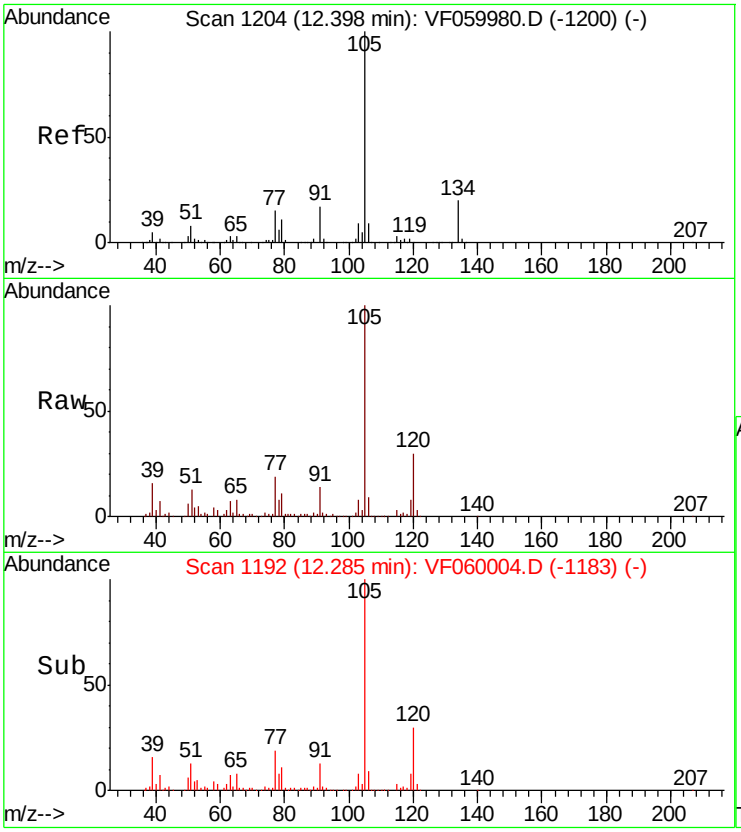


#84
1,2,4-Trimethylbenzene
Concen: 46.95 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion:105 Resp: 273924

Ion	Ratio	Lower	Upper
105	100		
120	30.1	20.9	62.7



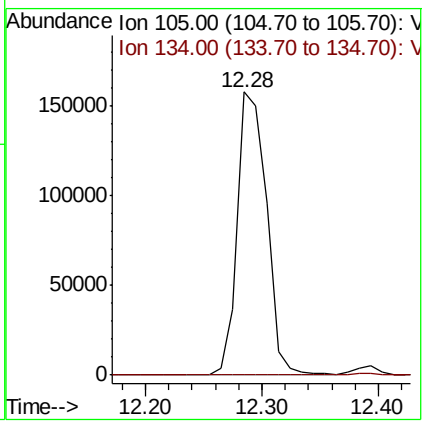


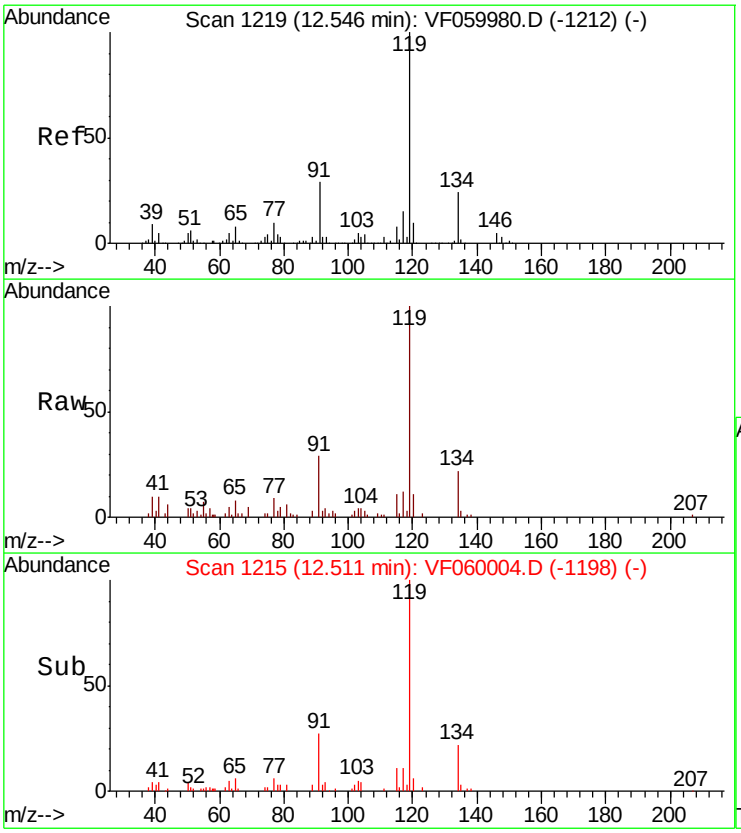
#85
sec-Butylbenzene
Concen: 38.07 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.11 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Tgt Ion:105 Resp: 273924

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.8	29.5#

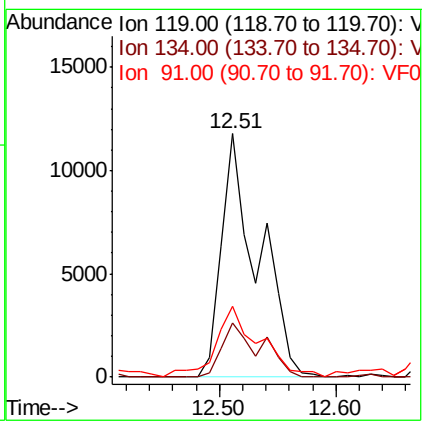


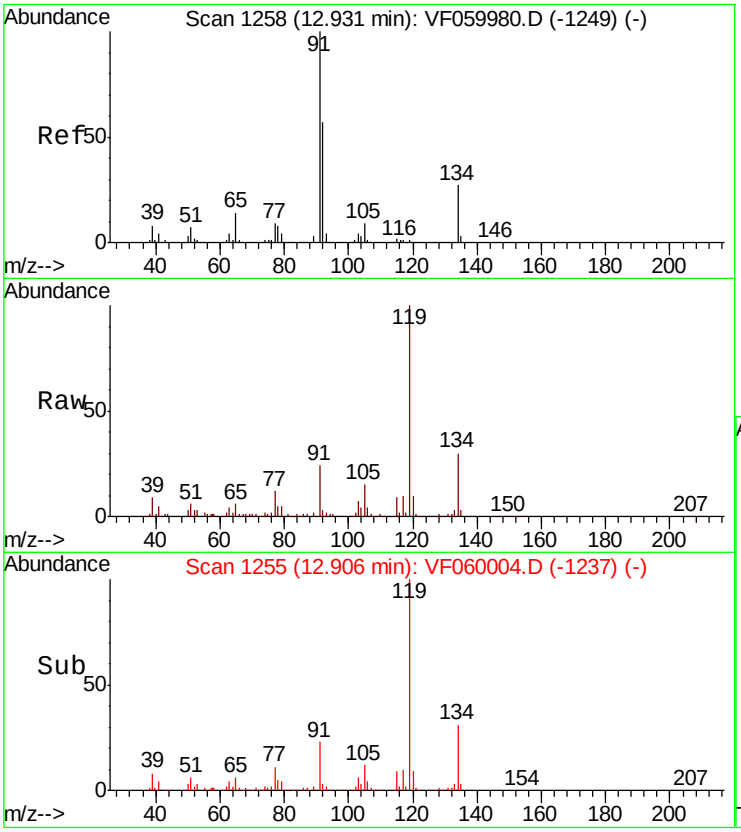


#86
p-Isopropyltoluene
Concen: 4.04 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. -0.03 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion:119 Resp: 25690

Ion	Ratio	Lower	Upper
119	100		
134	22.2	12.1	36.3
91	29.1	14.4	43.4



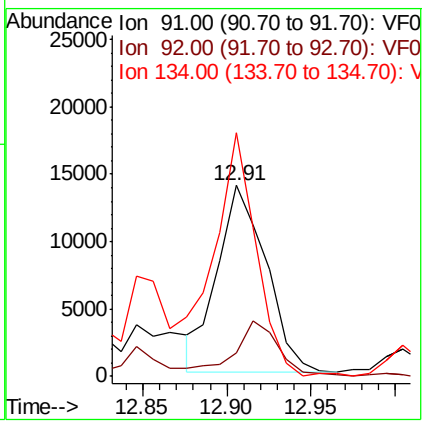


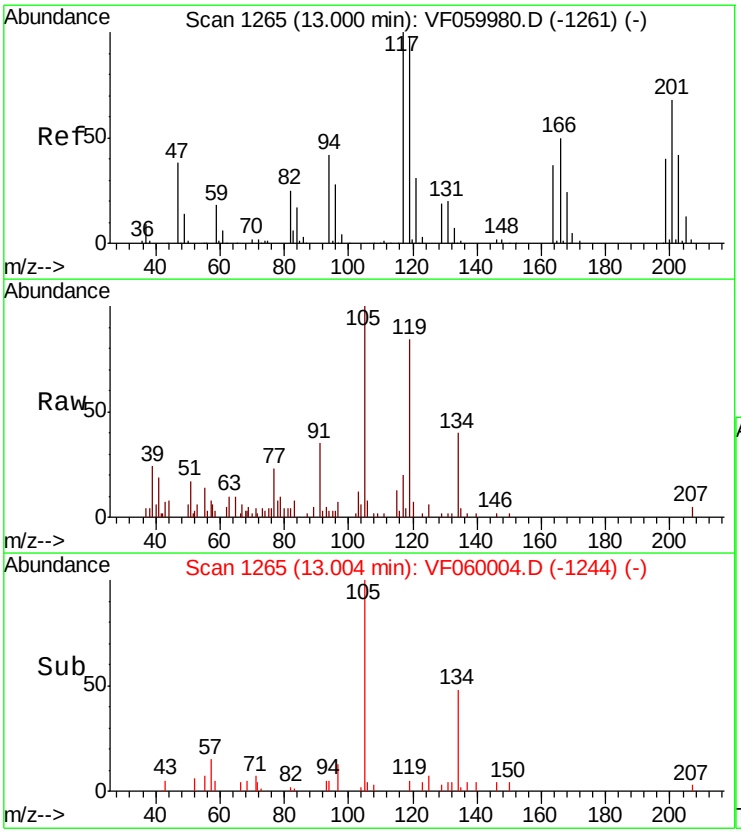
#89
n-Butylbenzene
Concen: 4.56 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.02 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Tgt Ion: 91 Resp: 28055

Ion	Ratio	Lower	Upper
91	100		
92	12.2	28.7	86.3#
134	127.8	13.3	39.9#

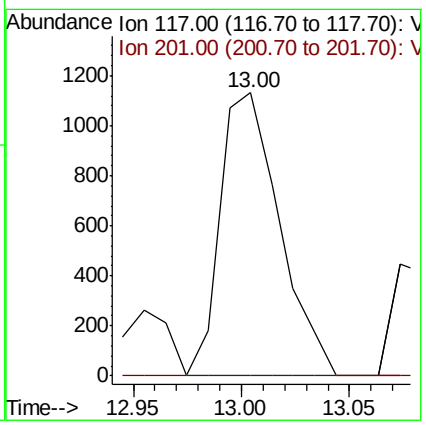


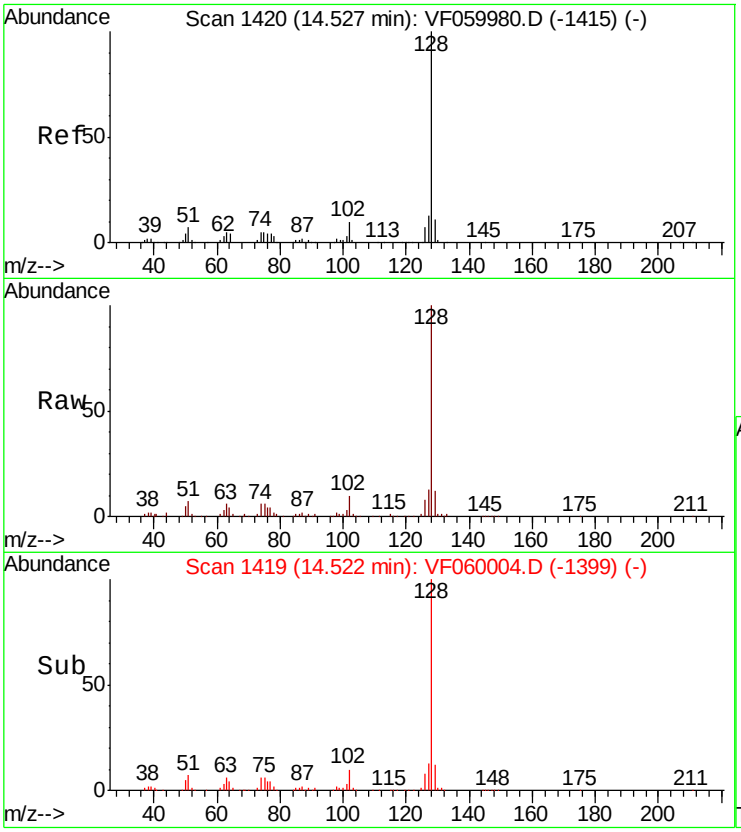


#90
Hexachloroethane
Concen: 1.52 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Tgt Ion:117 Resp: 2172

Ion	Ratio	Lower	Upper
117	100		
201	0.0	34.5	103.5#





#95
Naphthalene
Concen: 21.94 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060004.D
Acq: 20 Aug 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Tgt Ion:128 Resp: 78687

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.9	9.0	13.4