Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\

Quantitation Report (Not Reviewed)

Data File : VF061311.D
Acq On : 9 Jan 2019 20:01
Operator : VA/AP
Sample : K1008-01
Misc : 6.36g/5mL/MSVOA-F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HD-02-010819

Quant Time: Jan 10 05:59:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	193855	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.62	114	339169	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	272927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	116359	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	140672	65.19	ug/l	0.00
Spiked Amount 50.000			Recovery = 130.38%			
35) Dibromofluoromethane	4.13	113	152417	58.73	ug/l	0.01
Spiked Amount 50.000			Recovery = 117.46%			
50) Toluene-d8	7.57	98	299154	38.95	ug/l	0.00
Spiked Amount 50.000			Recovery = 77.90%			
62) 4-Bromofluorobenzene	11.42	95	151009	45.03	ug/l	0.00
Spiked Amount 50.000			Recovery = 90.06%			
Target Compounds						Qvalue
5) Bromomethane	1.30	94	326	3.038	ug/l #	6
11) Tert butyl alcohol	2.57	59	178	2.060	ug/l #	1
13) Acrolein	1.95	56	165	Below Cal		91
15) Acrylonitrile	2.98	53	427	1.394	ug/l #	12
16) Acetone	2.25	43	17191	34.249	ug/l	99
18) Methyl Acetate	2.39	43	4576	4.634	ug/l #	65
20) Methylene Chloride	2.19	84	5294	2.493	ug/l	92
25) 2-Butanone	4.39	43	1695	2.098	ug/l #	56
29) Tetrahydrofuran	4.11	42	995	2.946	ug/l #	36
49) 1,4-Dioxane	7.14	88	75	9.617	ug/l #	20
51) 4-Methyl-2-Pentanone	8.27	43	3462	2.409	ug/l #	56
52) Toluene	7.64	92	25118	4.226	ug/l	88
56) Ethyl methacrylate	8.64	69	4060	2.184	ug/l #	71
59) 2-Hexanone	9.51	43	1609	1.580	ug/l	81
95) Naphthalene	14.47	128	23880	4.850	ug/l #	89

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

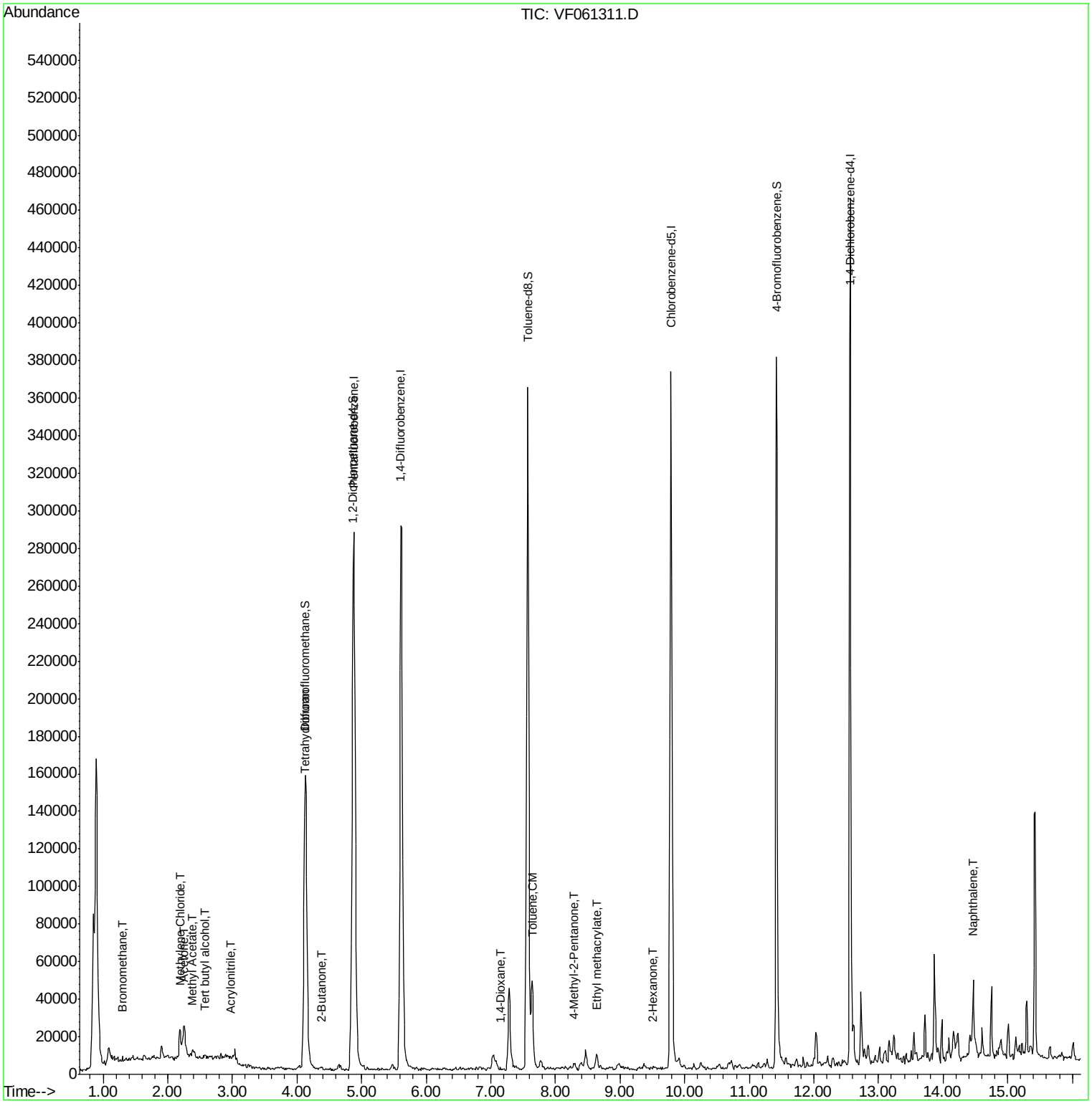
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\

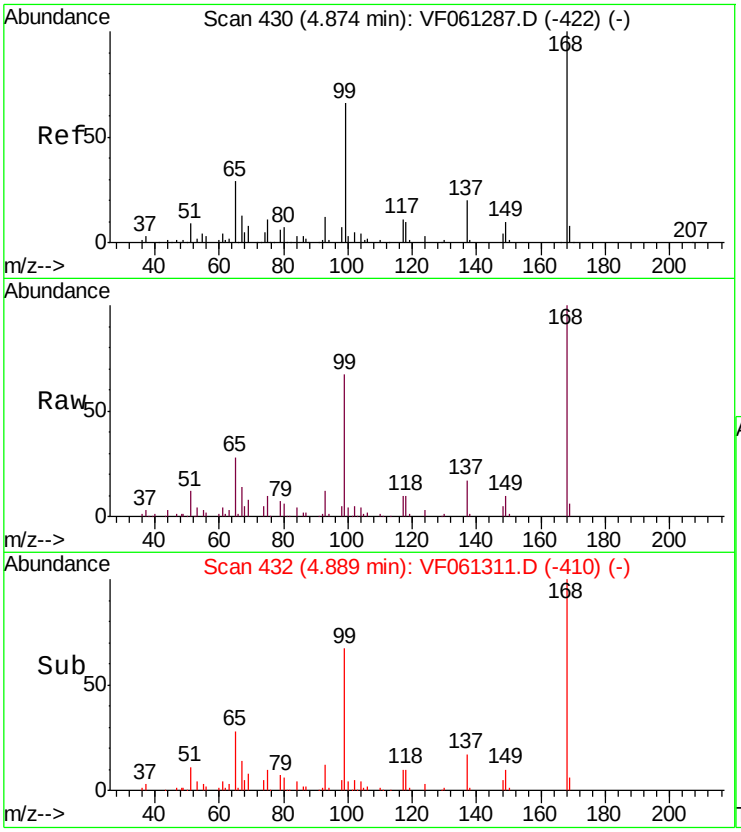
Quantitation Report (Not Reviewed)

Data File : VF061311.D
Acq On : 9 Jan 2019 20:01
Operator : VA/AP
Sample : K1008-01
Misc : 6.36g/5mL/MSVOA-F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HD-02-010819

Quant Time: Jan 10 05:59:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration



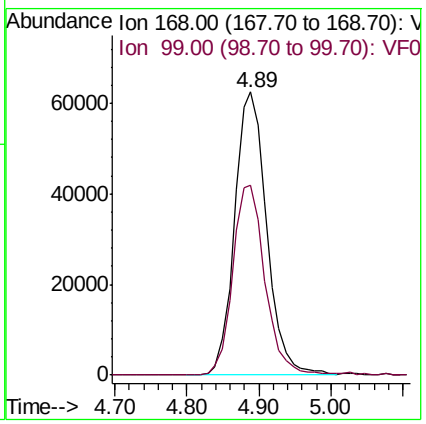


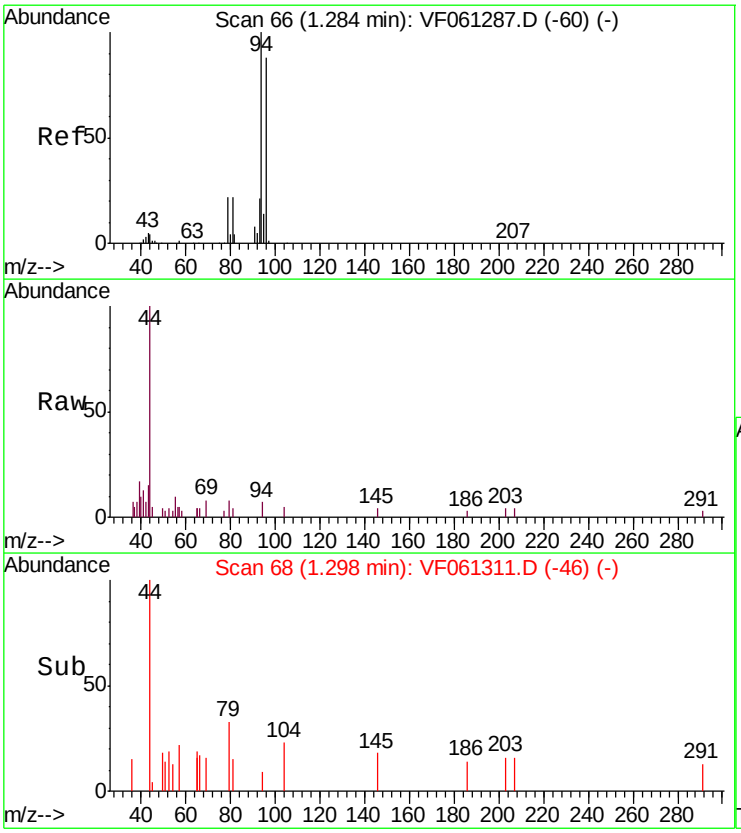
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.01 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument :
MSVOA_F
ClientSampleId :
HD-02-010819

Tgt Ion:168 Resp: 193855

Ion	Ratio	Lower	Upper
168	100		
99	67.0	52.7	79.1

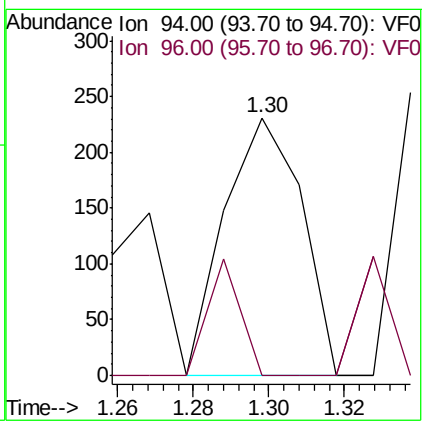


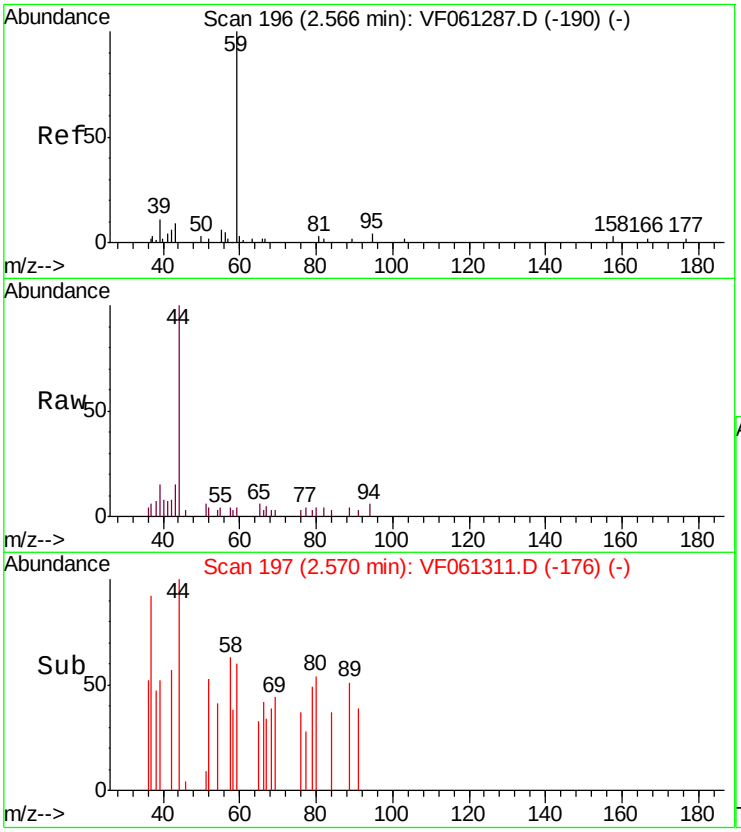


#5
Bromomethane
Concen: 3.038 ug/l
RT: 1.30 min Scan# 68
Delta R.T. 0.02 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion: 94 Resp: 326

Ion	Ratio	Lower	Upper
94	100		
96	0.0	70.2	105.4#



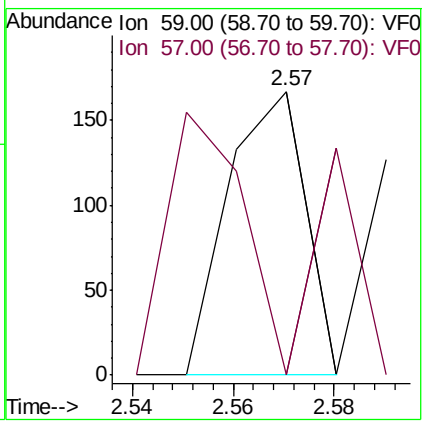


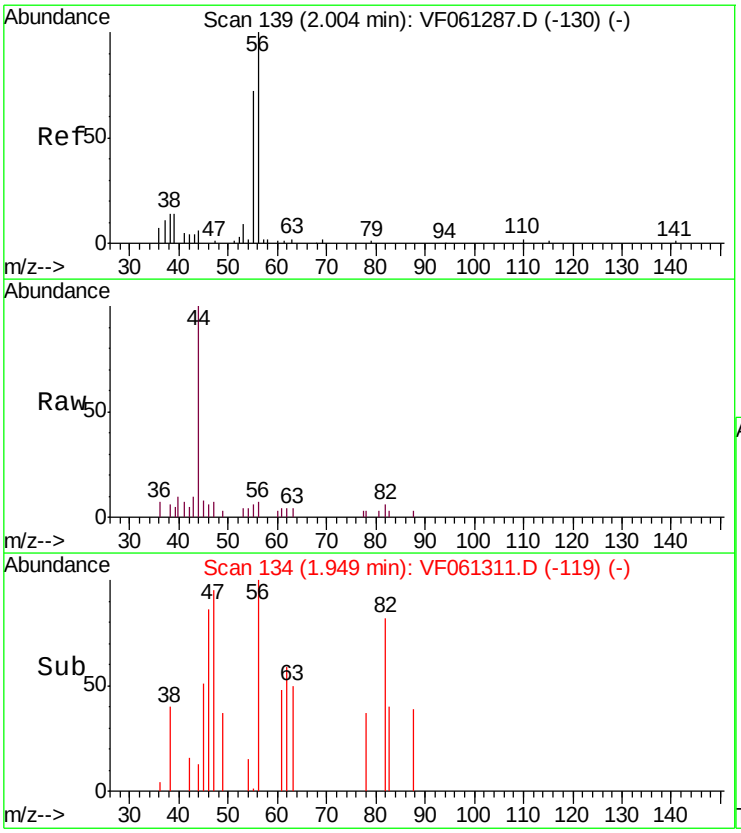
#11
Tert butyl alcohol
Concen: 2.060 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument : MSVOA_F
ClientSampleId : HD-02-010819

Tgt Ion: 59 Resp: 178

Ion	Ratio	Lower	Upper
59	100		
57	104.8	15.1	22.7#

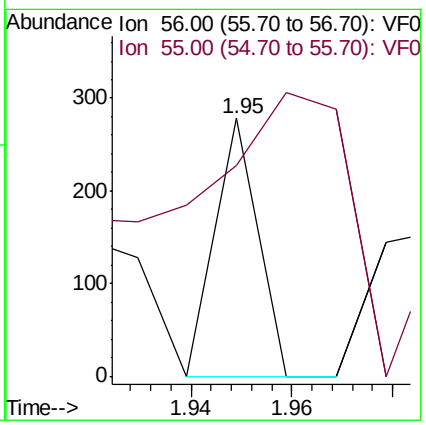


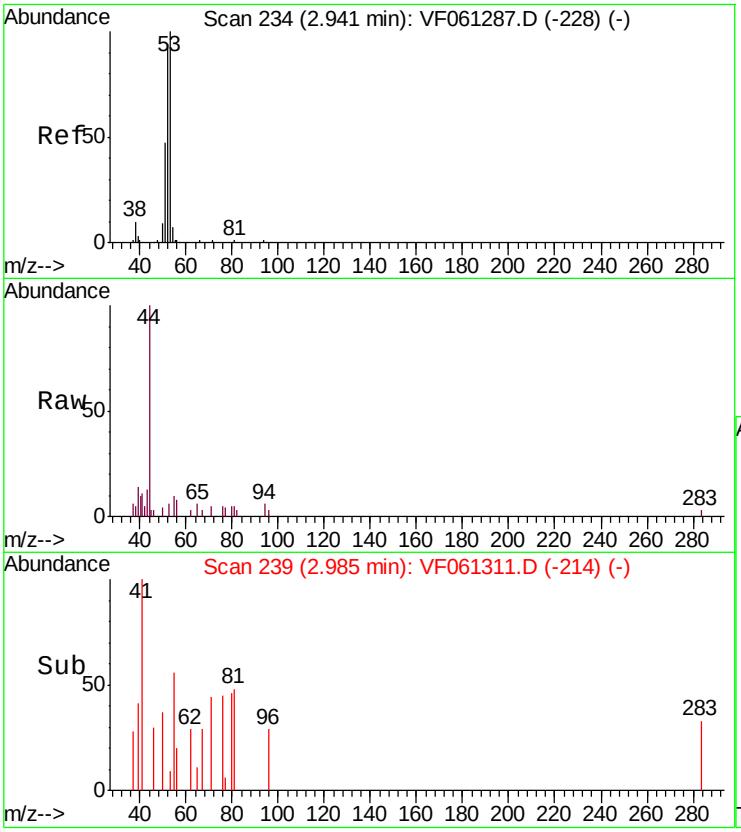


#13
Acrolein
Concen: Below Cal
RT: 1.95 min Scan# 134
Delta R.T. -0.05 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion: 56 Resp: 165

Ion	Ratio	Lower	Upper
56	100		
55	82.0	59.4	89.0



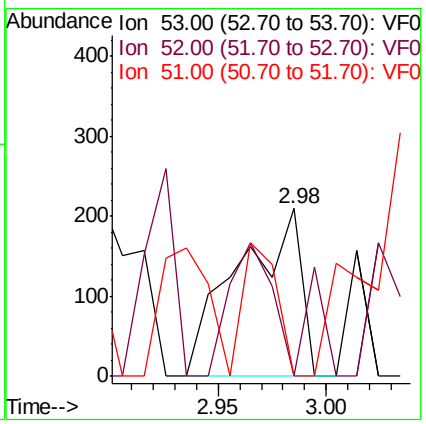


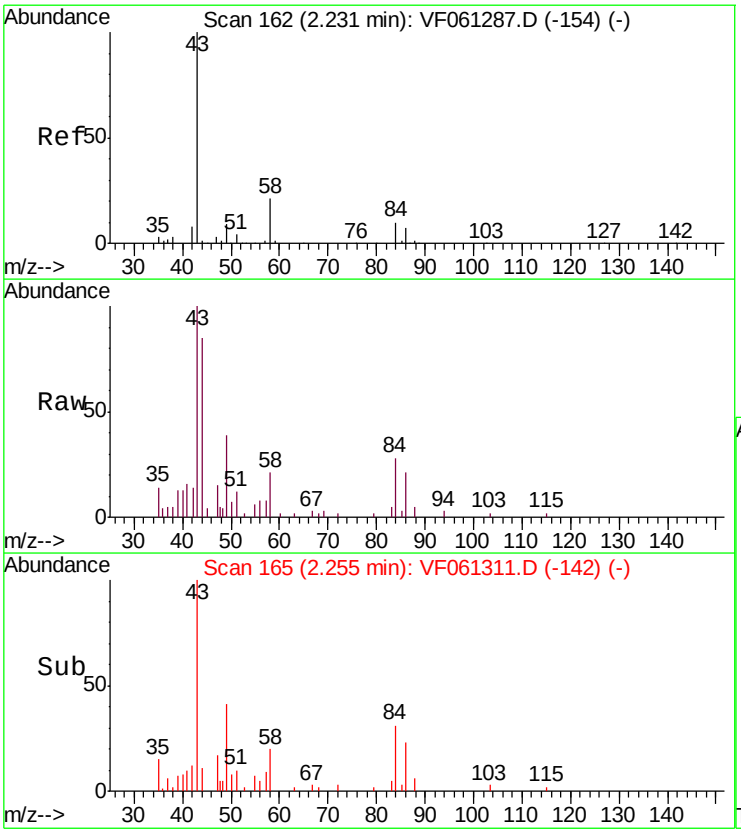
#15
Acrylonitrile
Concen: 1.394 ug/l
RT: 2.98 min Scan# 239
Delta R.T. 0.04 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument : MSVOA_F
ClientSampleId : HD-02-010819

Tgt Ion: 53 Resp: 427

Ion	Ratio	Lower	Upper
53	100		
52	0.0	74.6	111.8#
51	0.0	37.8	56.6#

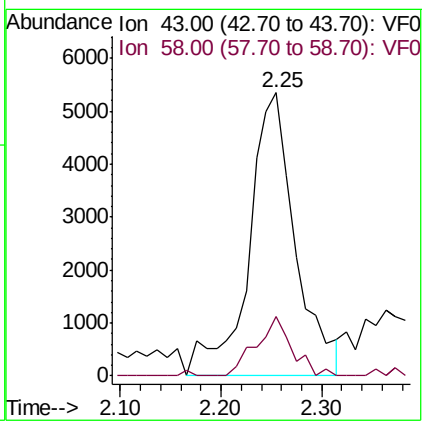


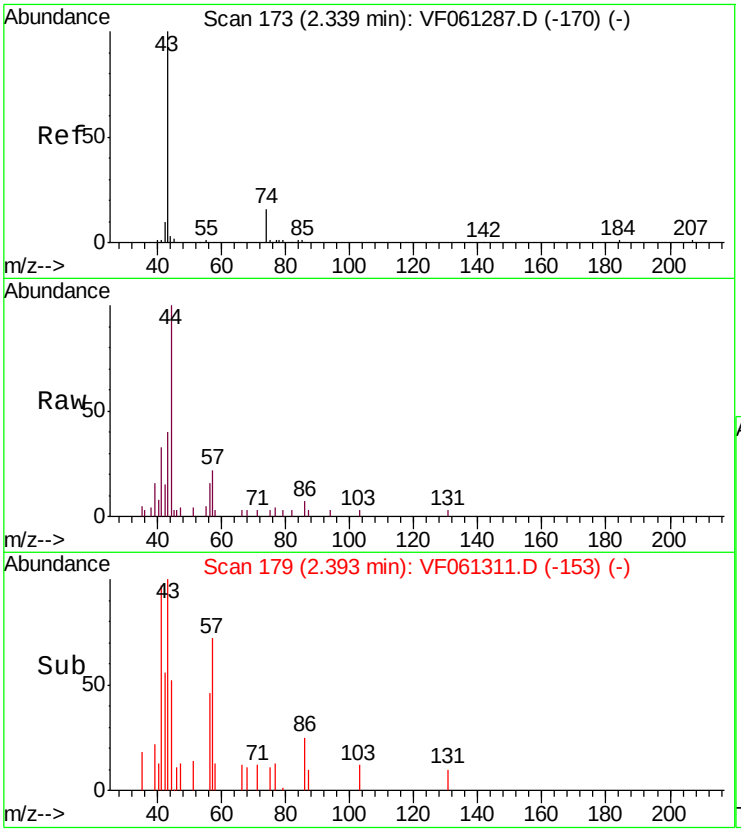


#16
Acetone
Concen: 34.249 ug/l
RT: 2.25 min Scan# 165
Delta R.T. 0.02 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion: 43 Resp: 17191

Ion	Ratio	Lower	Upper
43	100		
58	21.0	16.6	25.0



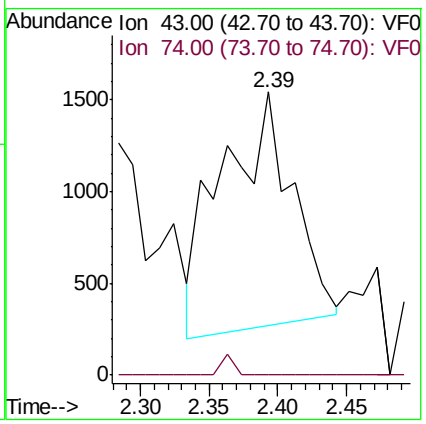


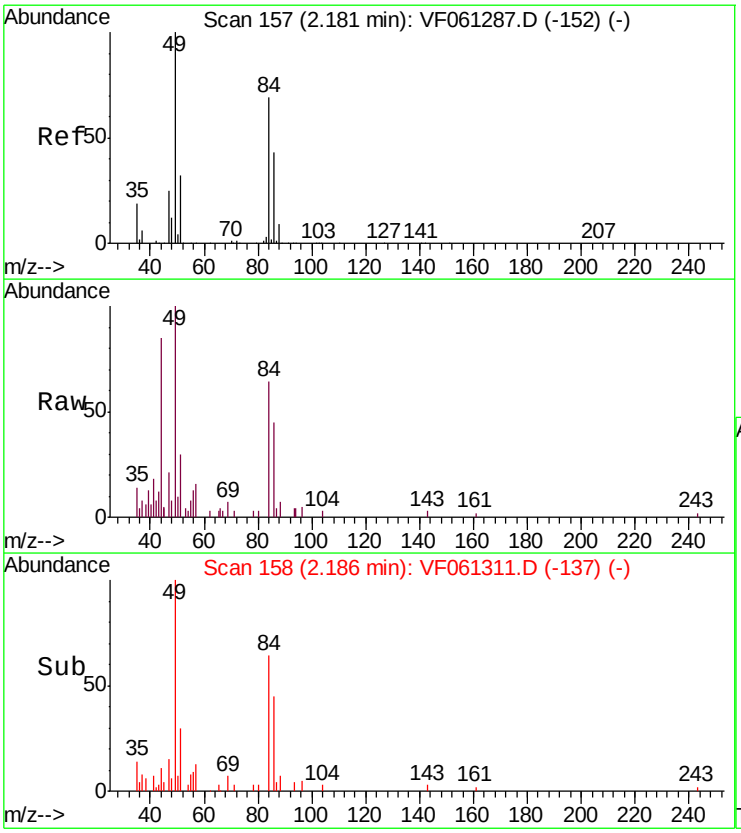
#18
Methyl Acetate
Concen: 4.634 ug/l
RT: 2.39 min Scan# 179
Delta R.T. 0.05 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument : MSVOA_F
ClientSampleId : HD-02-010819

Tgt Ion: 43 Resp: 4576

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.6	17.4#

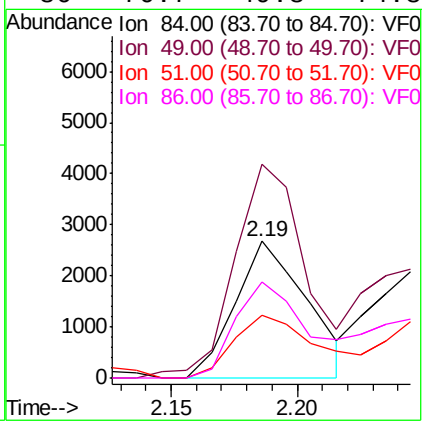


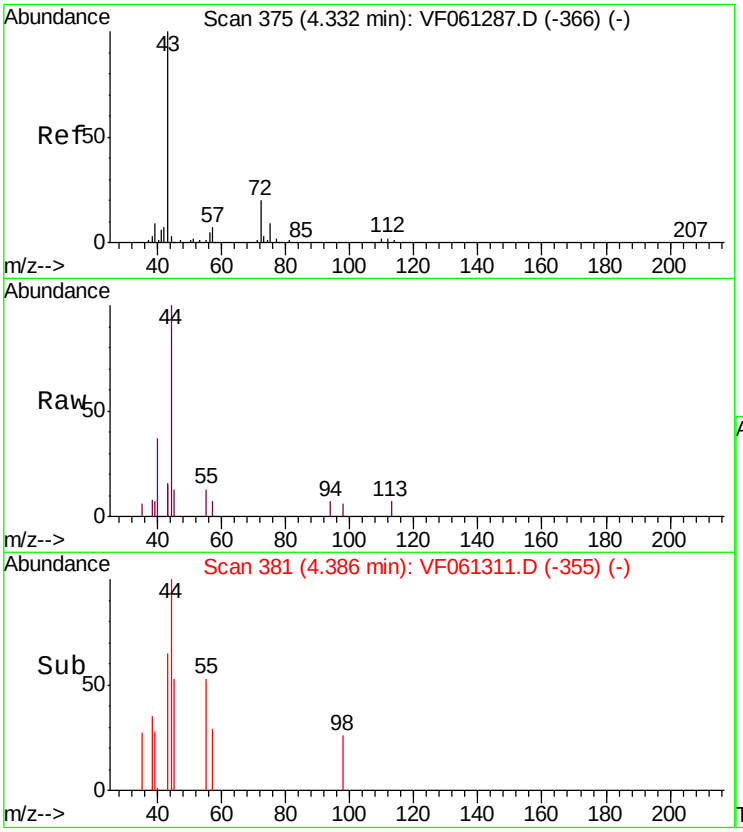


#20
Methylene Chloride
Concen: 2.493 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion: 84 Resp: 5294

Ion	Ratio	Lower	Upper
84	100		
49	156.3	116.6	175.0
51	46.4	37.7	56.5
86	70.7	49.8	74.8



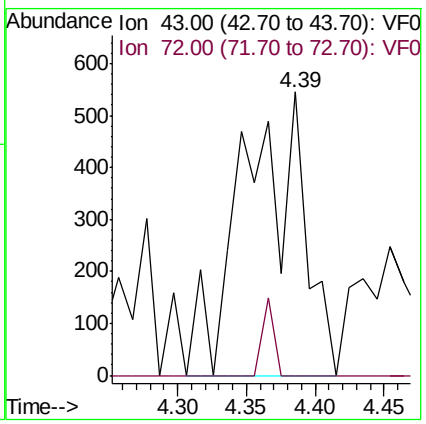


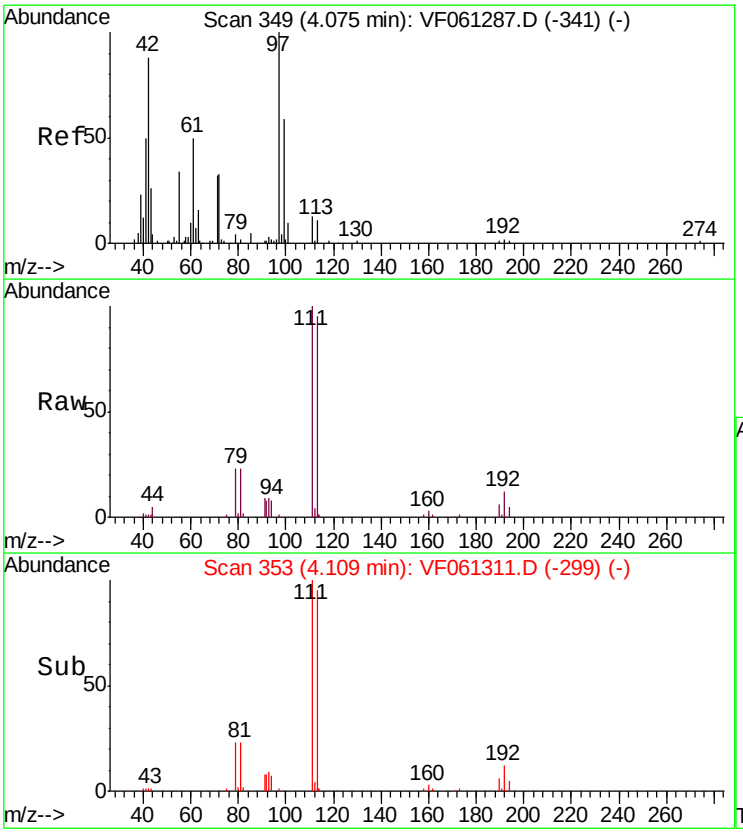
#25
2-Butanone
Concen: 2.098 ug/l
RT: 4.39 min Scan# 381
Delta R.T. 0.05 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument : MSVOA_F
ClientSampleId : HD-02-010819

Tgt Ion: 43 Resp: 1695

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#

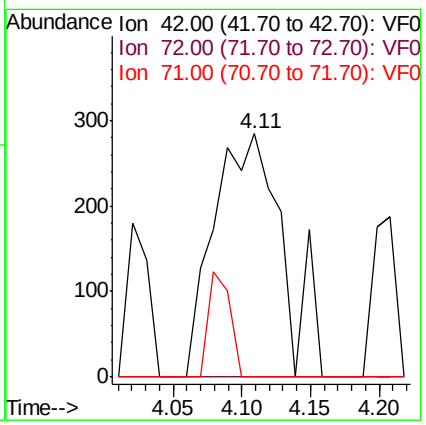


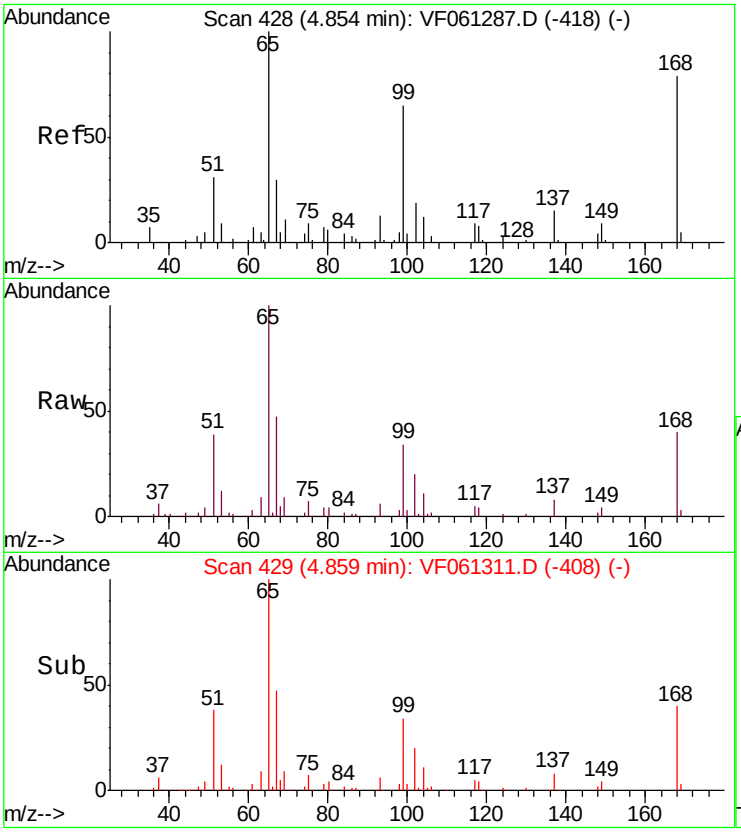


#29
Tetrahydrofuran
Concen: 2.946 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.03 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion: 42 Resp: 995

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	29.5	44.3#



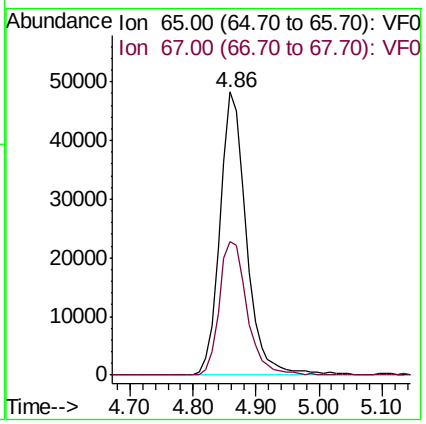


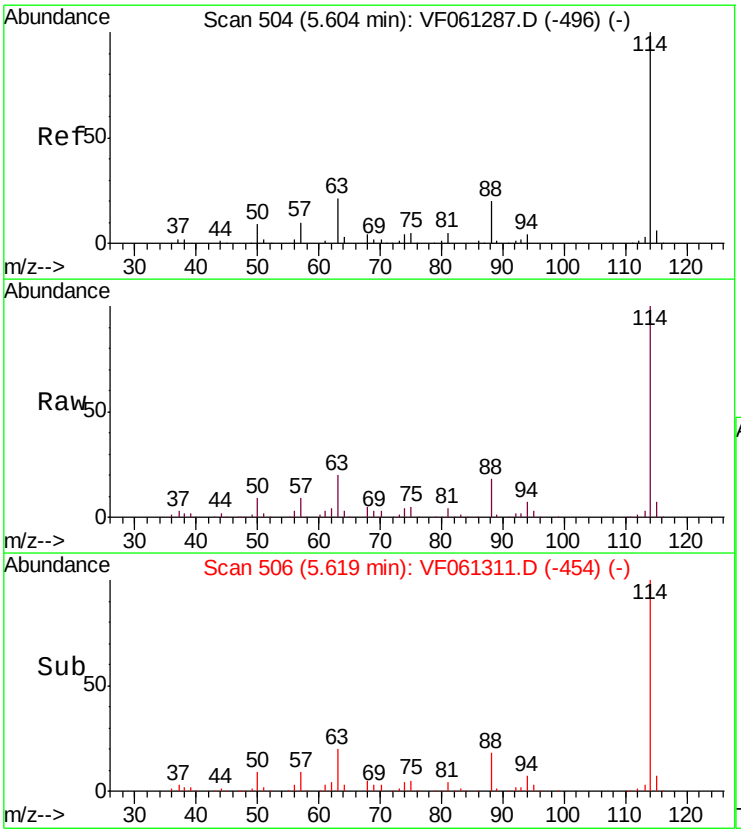
#33
1,2-Dichloroethane-d4
Concen: 65.195 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument :
MSVOA_F
ClientSampleId :
HD-02-010819

Tgt Ion: 65 Resp: 140672

Ion	Ratio	Lower	Upper
65	100		
67	47.2	0.0	98.2

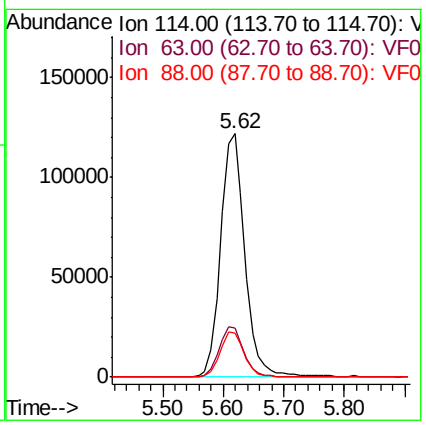


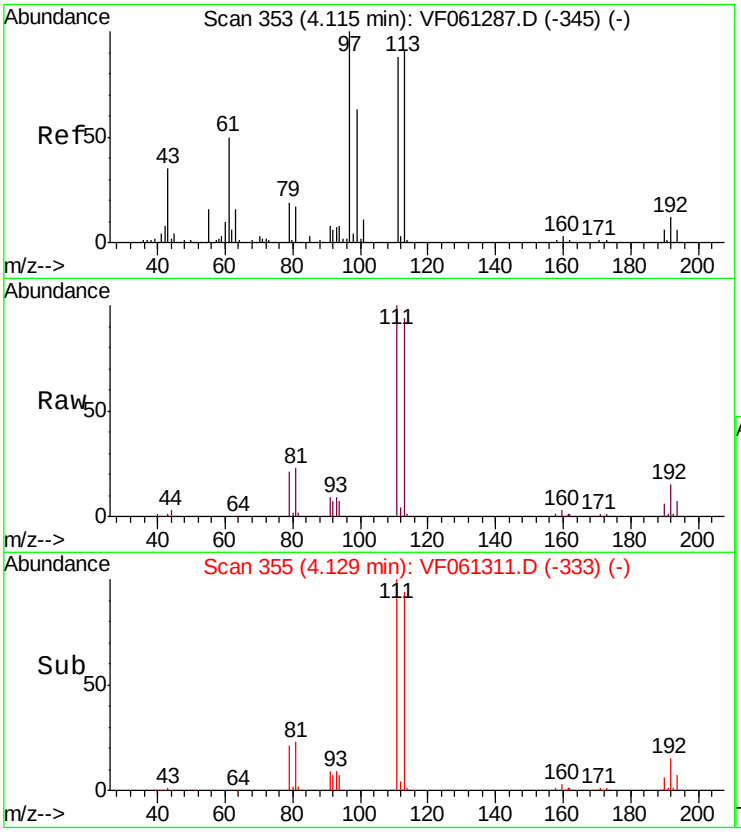


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.01 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion:114 Resp: 339169

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.8
88	17.9	0.0	40.0



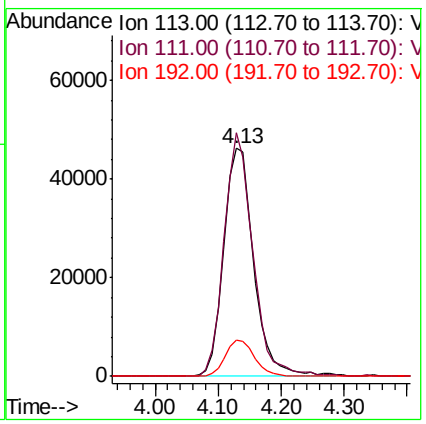


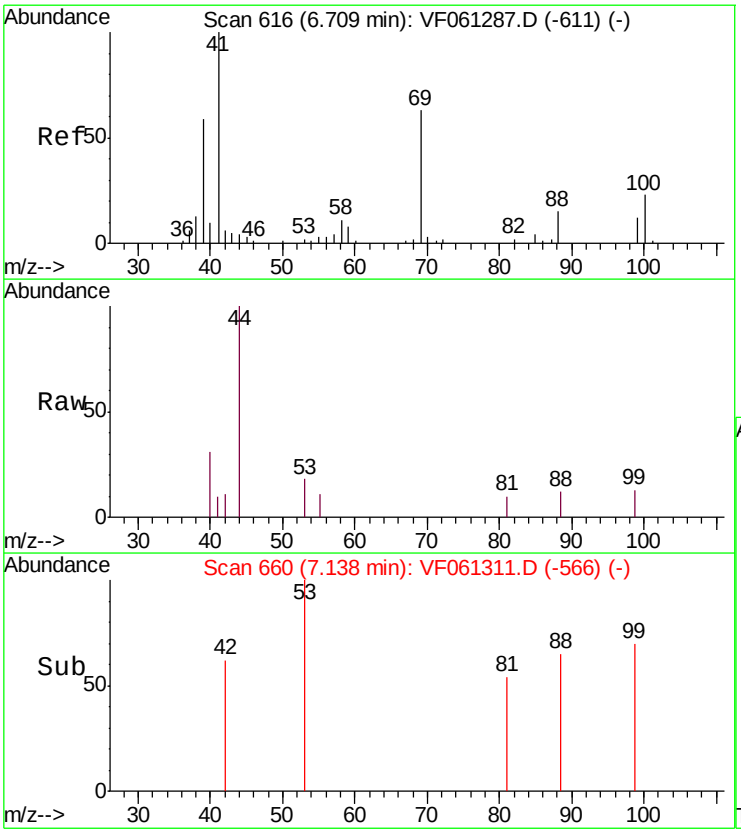
#35
Dibromofluoromethane
Concen: 58.730 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument :
MSVOA_F
ClientSampleId :
HD-02-010819

Tgt Ion:113 Resp: 152417

Ion	Ratio	Lower	Upper
113	100		
111	106.9	78.0	117.0
192	16.3	10.6	16.0#

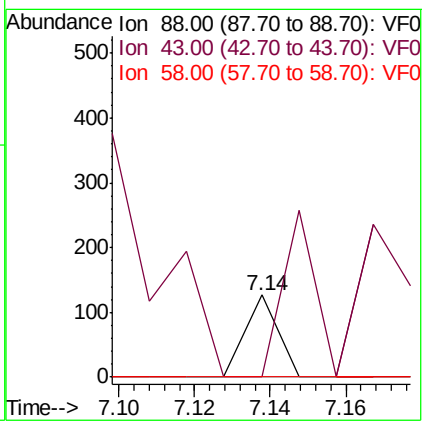


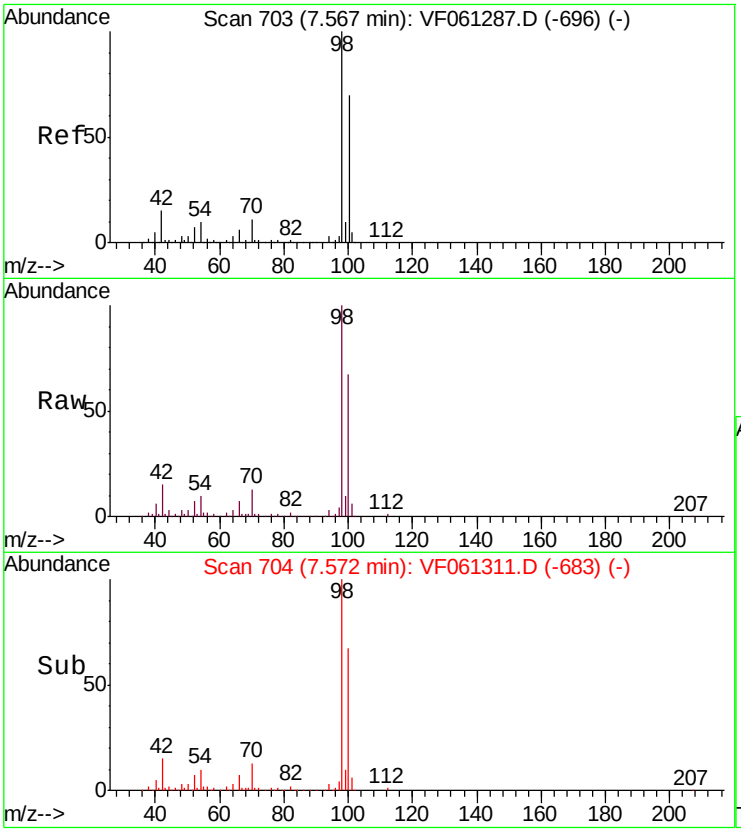


#49
1,4-Dioxane
Concen: 9.617 ug/l
RT: 7.14 min Scan# 660
Delta R.T. 0.43 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion: 88 Resp: 75

Ion	Ratio	Lower	Upper
88	100		
43	0.0	38.5	57.7#
58	0.0	57.0	85.4#



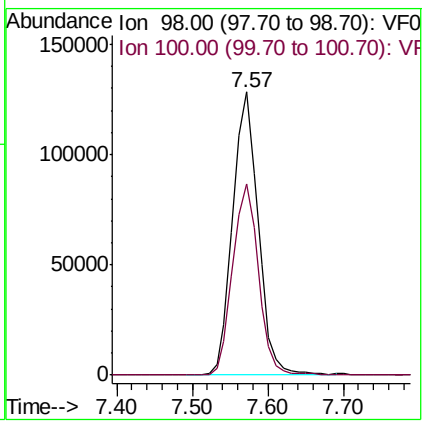


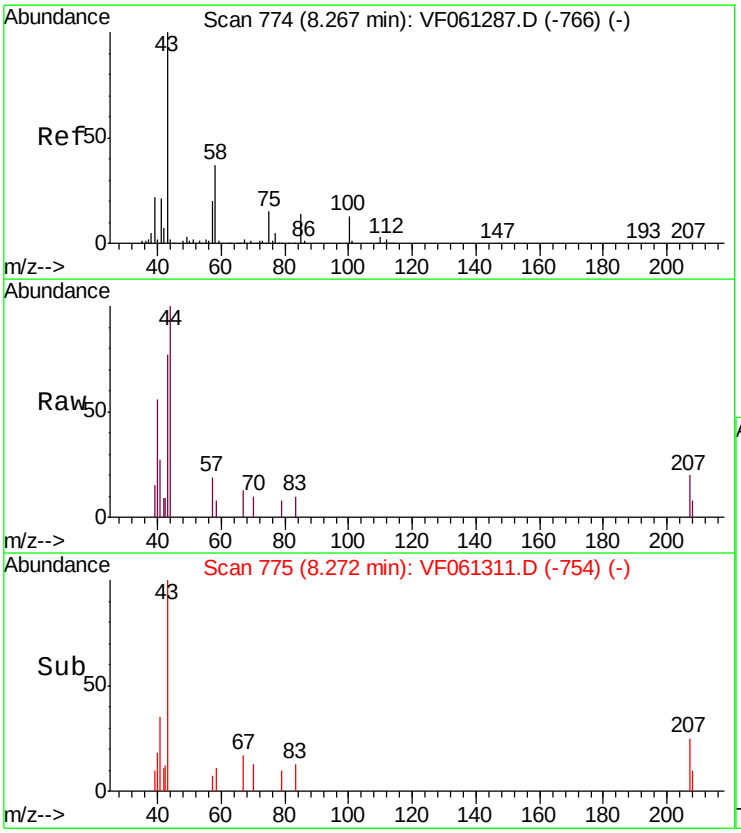
#50
Toluene-d8
Concen: 38.953 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument :
MSVOA_F
ClientSampleId :
HD-02-010819

Tgt Ion: 98 Resp: 299154

Ion	Ratio	Lower	Upper
98	100		
100	67.3	55.6	83.4

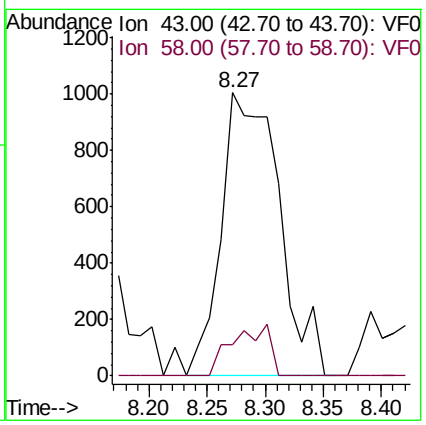


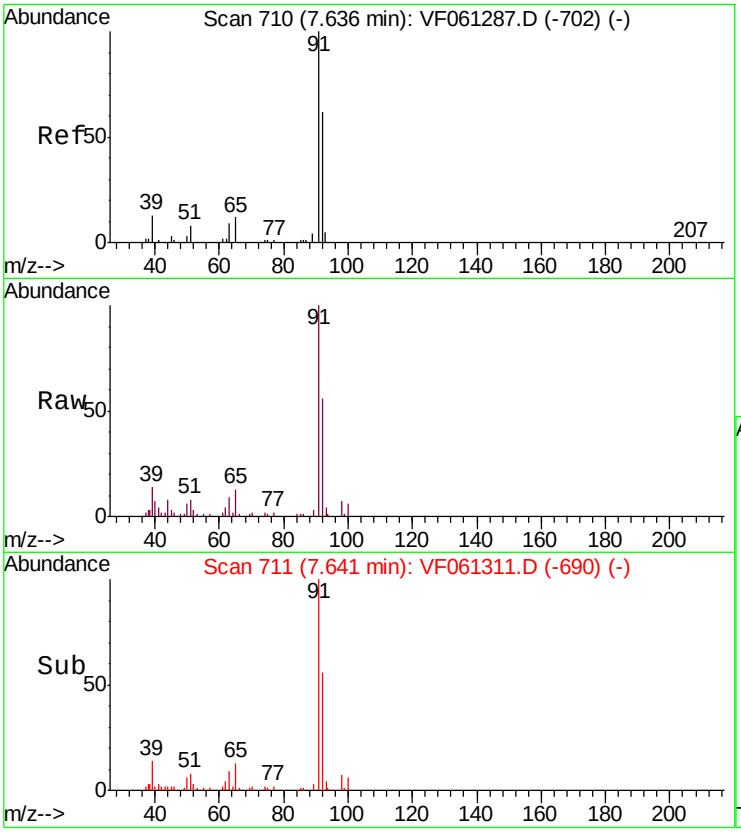


#51
4-Methyl-2-Pentanone
Concen: 2.409 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion: 43 Resp: 3462

Ion	Ratio	Lower	Upper
43	100		
58	10.9	29.6	44.4#



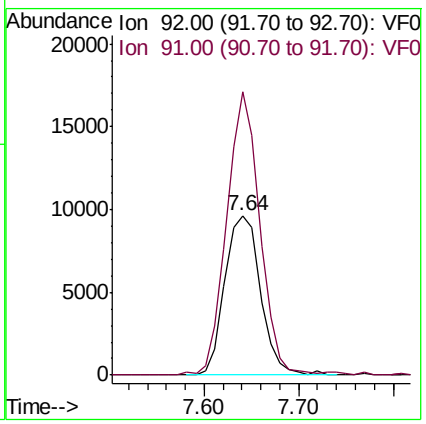


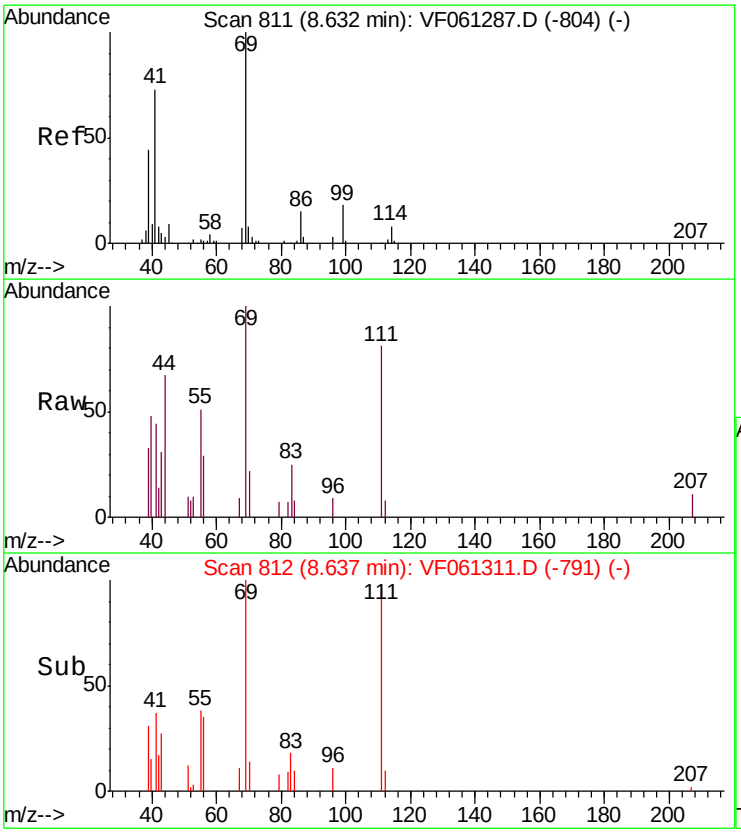
#52
Toluene
Concen: 4.226 ug/l
RT: 7.64 min Scan# 711
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument : MSVOA_F
ClientSampleId : HD-02-010819

Tgt Ion: 92 Resp: 25118

Ion	Ratio	Lower	Upper
92	100		
91	177.5	129.2	193.8

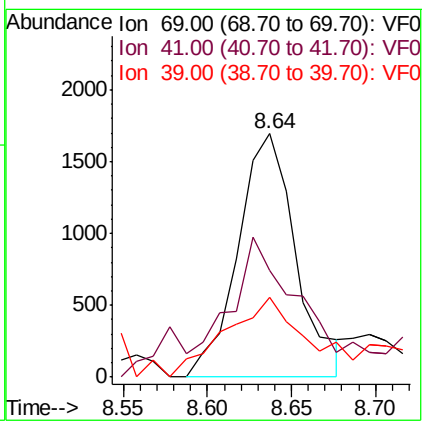


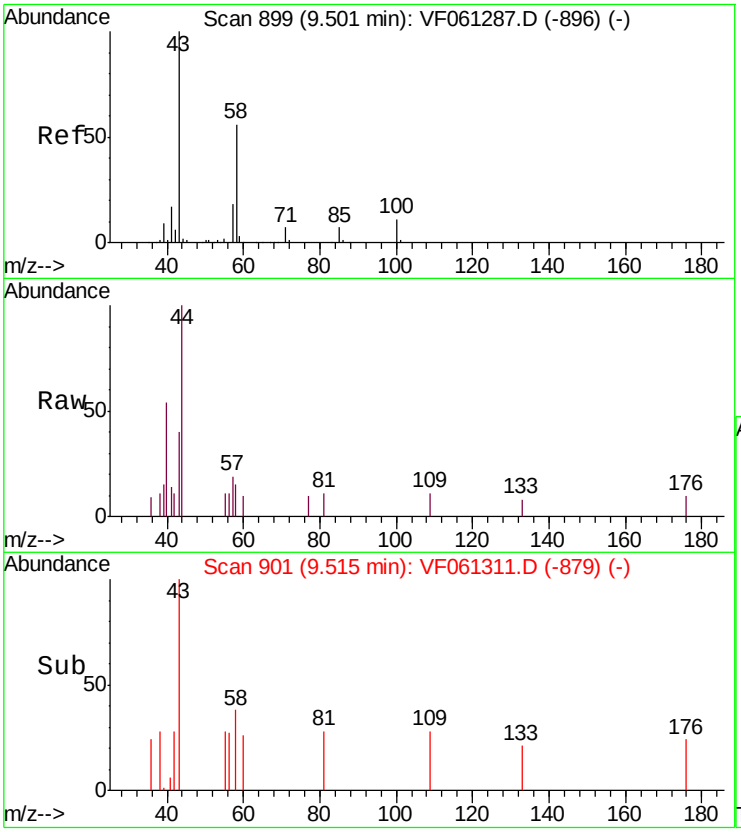


#56
Ethyl methacrylate
Concen: 2.184 ug/l
RT: 8.64 min Scan# 812
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion: 69 Resp: 4060

Ion	Ratio	Lower	Upper
69	100		
41	43.6	59.0	88.4#
39	33.0	35.3	52.9#



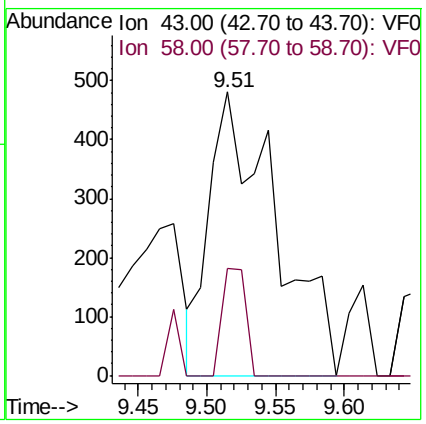


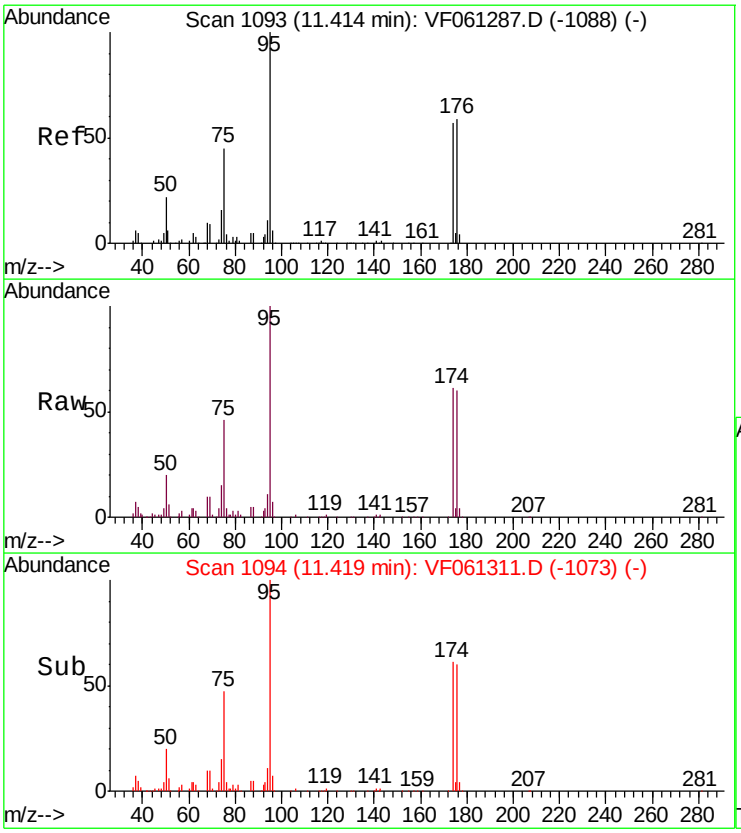
#59
2-Hexanone
Concen: 1.580 ug/l
RT: 9.51 min Scan# 901
Delta R.T. 0.01 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument :
MSVOA_F
ClientSampleId :
HD-02-010819

Tgt Ion: 43 Resp: 1609

Ion	Ratio	Lower	Upper
43	100		
58	37.6	25.6	76.8

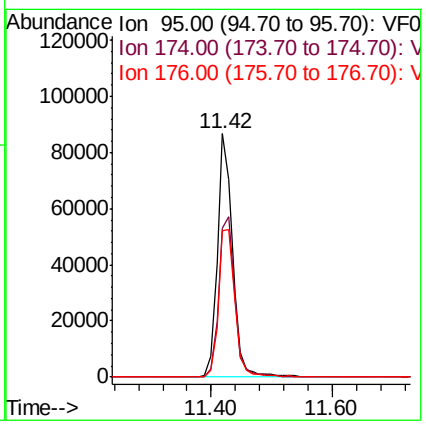


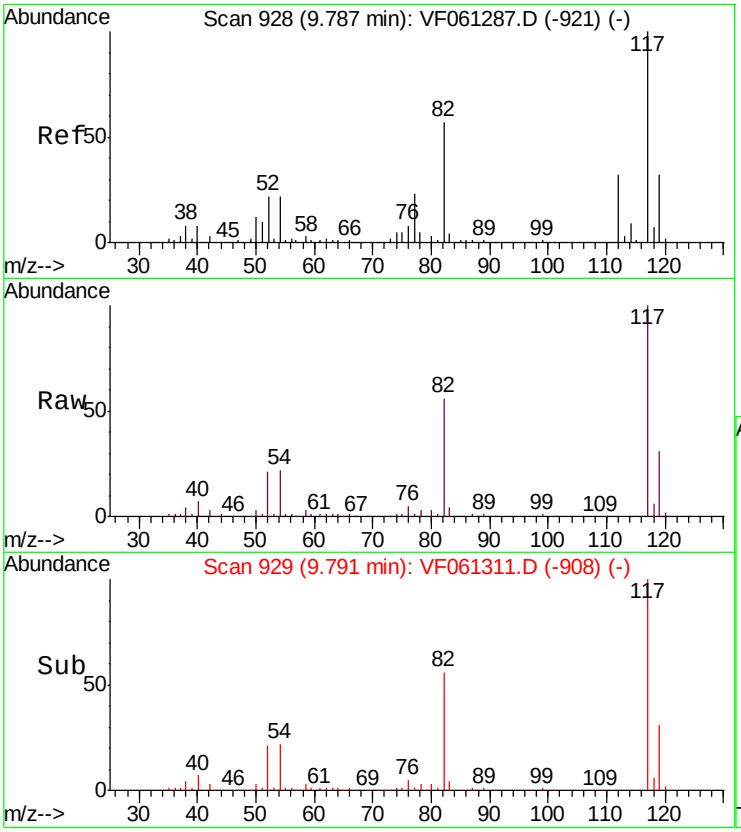


#62
4-Bromofluorobenzene
Concen: 45.030 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion: 95 Resp: 151009

Ion	Ratio	Lower	Upper
95	100		
174	61.1	0.0	114.2
176	60.1	0.0	117.8



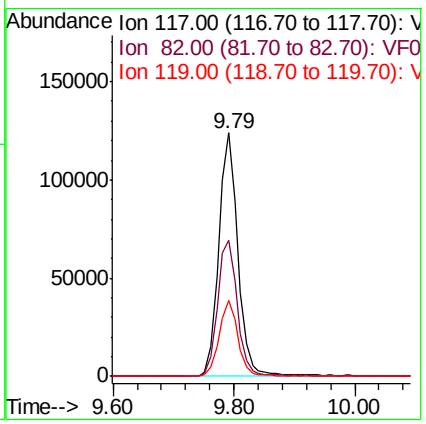


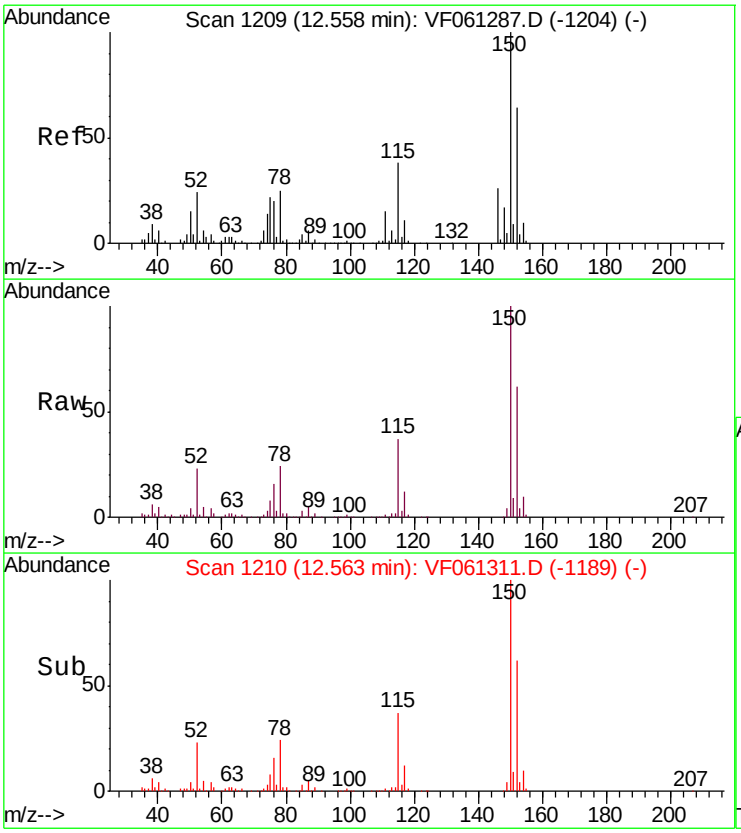
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument :
MSVOA_F
ClientSampleId :
HD-02-010819

Tgt Ion:117 Resp: 272927

Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.3	67.9
119	31.2	25.4	38.0

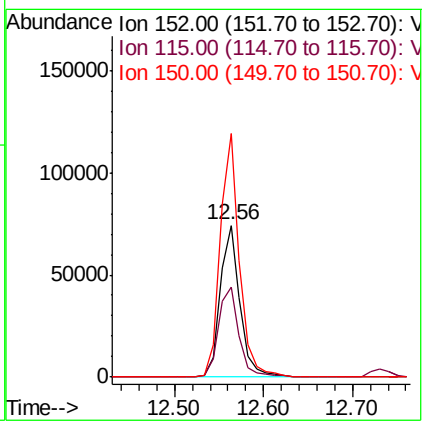


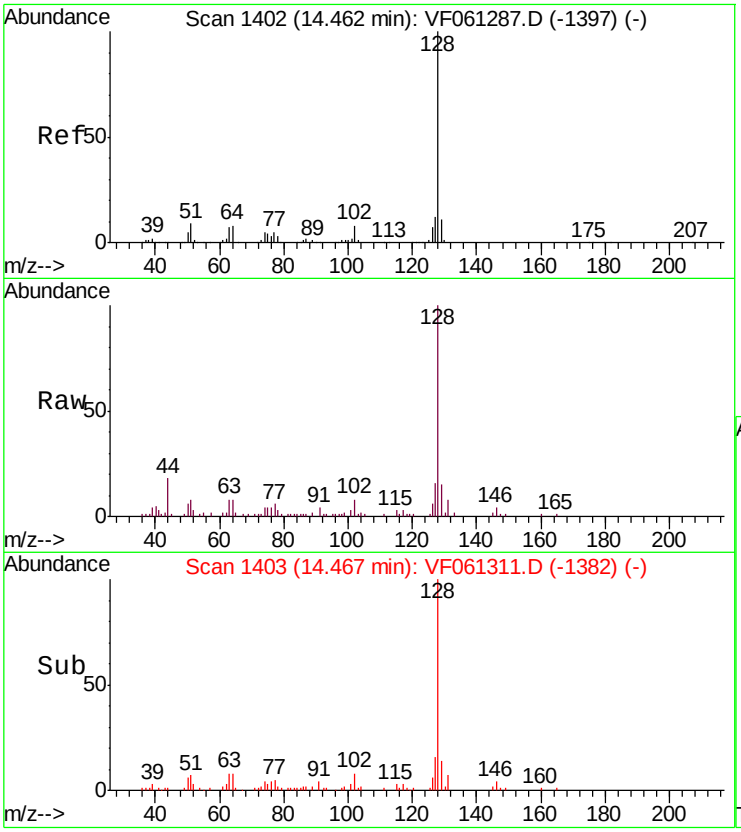


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Tgt Ion:152 Resp: 116359

Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.6	88.9
150	160.2	0.0	315.4





#95
Naphthalene
Concen: 4.850 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF061311.D
Acq: 9 Jan 2019 20:01

Instrument :
MSVOA_F
ClientSampleId :
HD-02-010819

Tgt Ion:128 Resp: 23880

Ion	Ratio	Lower	Upper
128	100		
127	15.8	9.4	14.0#
129	15.0	8.8	13.2#