Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122818\
Data File : VF061238.D
Acq On : 28 Dec 2018 16:17
Operator : VA/AP
Sample : J6515-04
Misc : 6.16g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : S72-0051

Quant Time: Dec 29 00:57:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	265263	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	452885	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.79	117	409191	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	207626	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	148689	43.58	ug/l	0.02
Spiked Amount 50.000			Recovery = 87.16%			
35) Dibromofluoromethane	4.13	113	173800	47.91	ug/l	0.02
Spiked Amount 50.000			Recovery = 95.82%			
50) Toluene-d8	7.57	98	461855	44.92	ug/l	0.02
Spiked Amount 50.000			Recovery = 89.84%			
62) 4-Bromofluorobenzene	11.42	95	215465	45.46	ug/l	0.00
Spiked Amount 50.000			Recovery = 90.92%			
Target Compounds						Qvalue
13) Acrolein	1.95	56	477	4.795	ug/l	85
15) Acrylonitrile	2.96	53	967	3.037	ug/l #	91
16) Acetone	2.24	43	9352	13.712	ug/l	98
18) Methyl Acetate	2.35	43	4766	3.378	ug/l #	87
20) Methylene Chloride	2.25	84	2766	Below Cal #		69
25) 2-Butanone	4.36	43	3786	3.423	ug/l #	78
29) Tetrahydrofuran	4.05	42	2444	5.429	ug/l #	1
30) Chloroform	3.87	83	7630	1.060	ug/l	89
43) Isopropyl Acetate	6.83	43	29116	11.031	ug/l #	45
51) 4-Methyl-2-Pentanone	8.30	43	11860	6.551	ug/l #	49
56) Ethyl methacrylate	8.64	69	3862	1.530	ug/l	92
59) 2-Hexanone	9.51	43	4969	3.796	ug/l	87
68) m/p-Xylenes	10.15	106	9355	1.726	ug/l	89
70) Styrene	10.81	104	1414	Below Cal #		87
74) N-amyl acetate	11.39	43	5564	1.401	ug/l #	77
78) n-propylbenzene	11.61	91	31528	1.133	ug/l	99
79) 2-Chlorotoluene	11.71	91	13684	1.115	ug/l #	45
80) 1,3,5-Trimethylbenzene	11.83	105	50577	3.433	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	113371	7.717	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	1359	Below Cal #		54
89) n-Butylbenzene	12.85	91	18258	1.195	ug/l #	56
95) Naphthalene	14.47	128	30532	3.424	ug/l	97

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

Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
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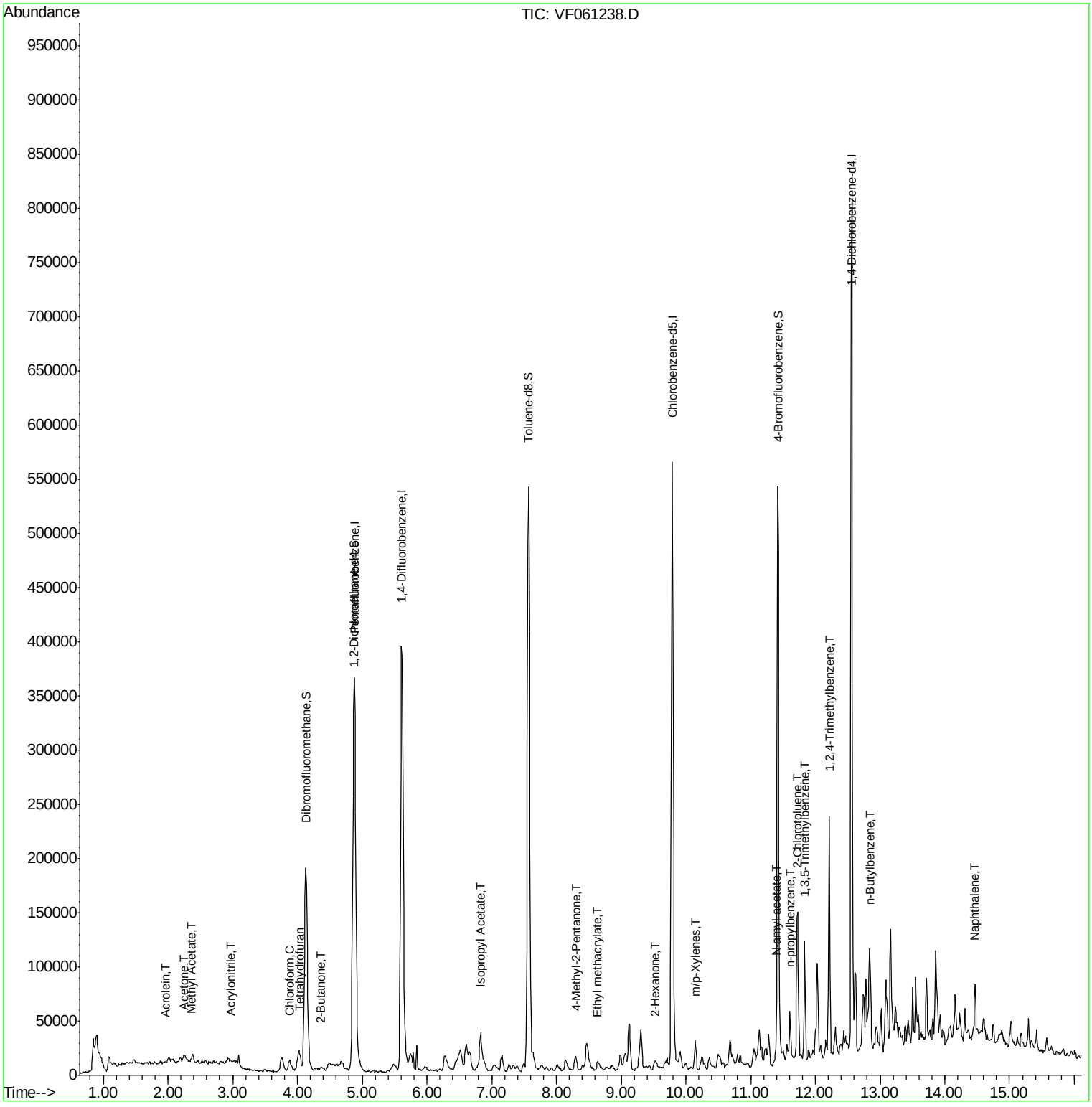
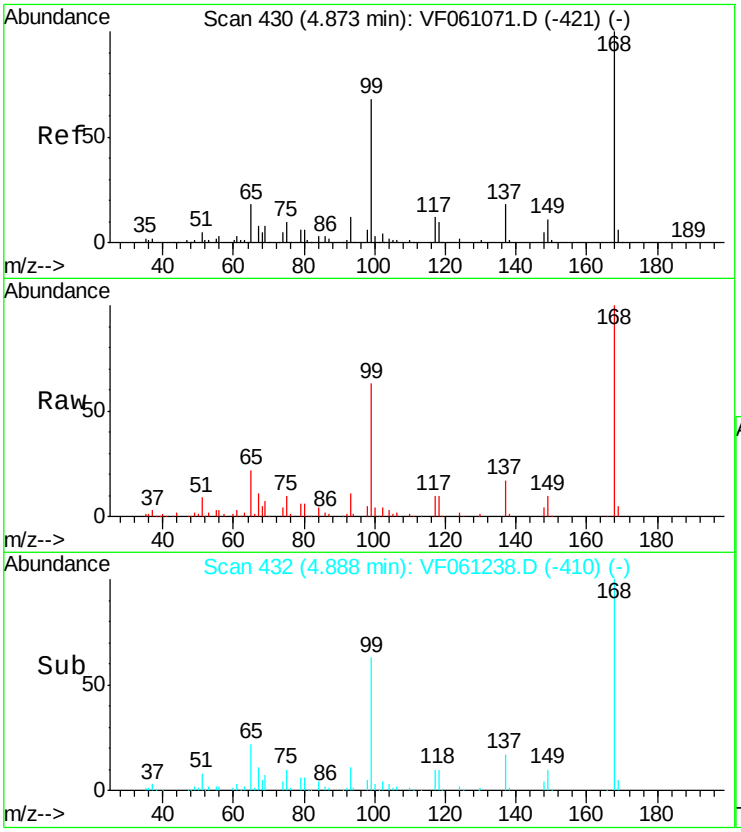


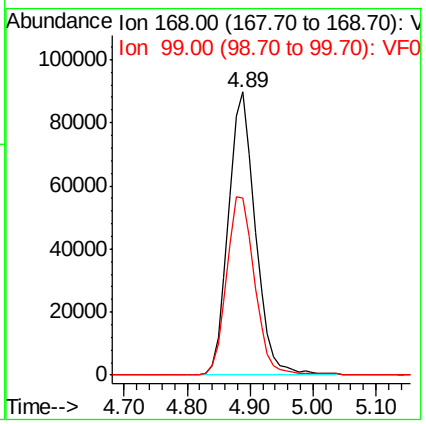


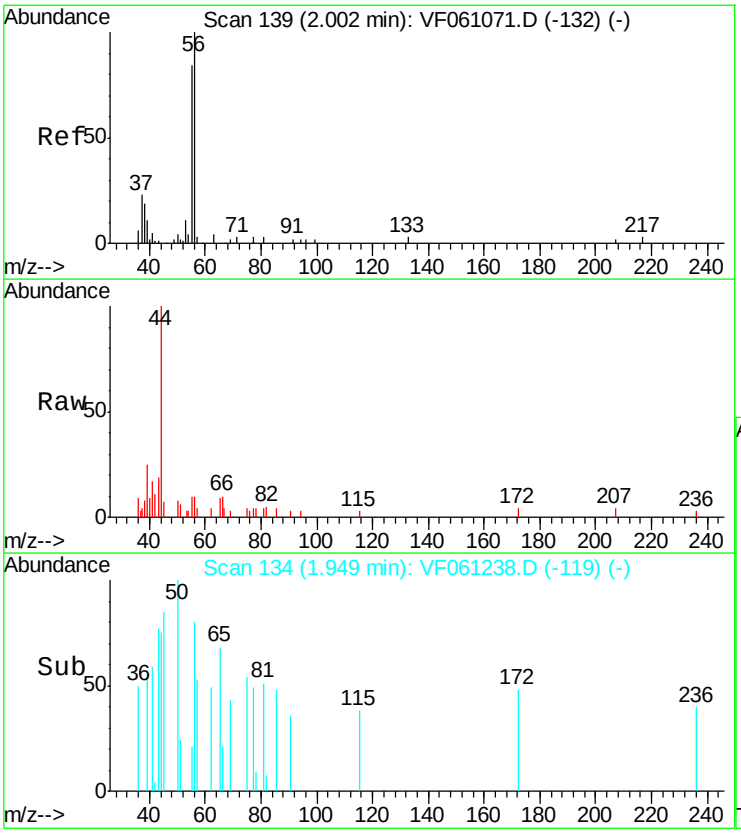
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
S72-0051

Tgt Ion:168 Resp: 265263

Ion	Ratio	Lower	Upper
168	100		
99	62.8	54.4	81.6

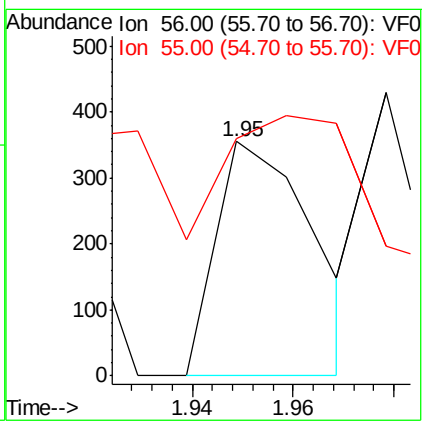


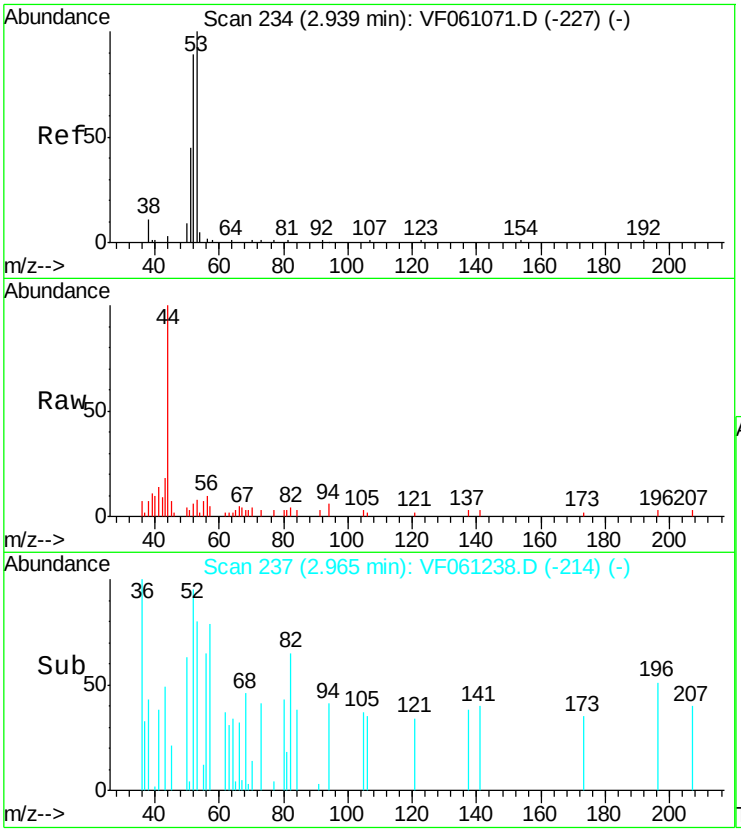


#13
Acrolein
Concen: 4.795 ug/l
RT: 1.95 min Scan# 134
Delta R.T. -0.05 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion: 56 Resp: 477

Ion	Ratio	Lower	Upper
56	100		
55	101.4	70.2	105.2



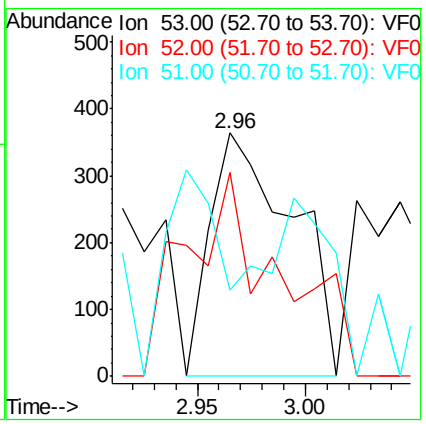


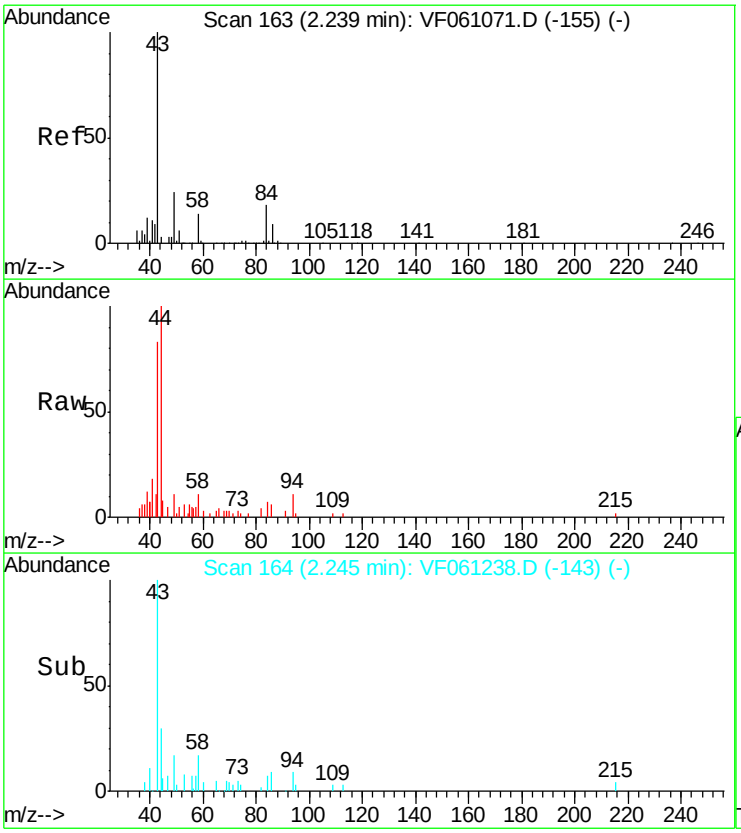
#15
Acrylonitrile
Concen: 3.037 ug/l
RT: 2.96 min Scan# 237
Delta R.T. 0.03 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument : MSVOA_F
ClientSampleId : S72-0051

Tgt Ion: 53 Resp: 967

Ion	Ratio	Lower	Upper
53	100		
52	83.8	71.3	106.9
51	35.4	36.8	55.2#

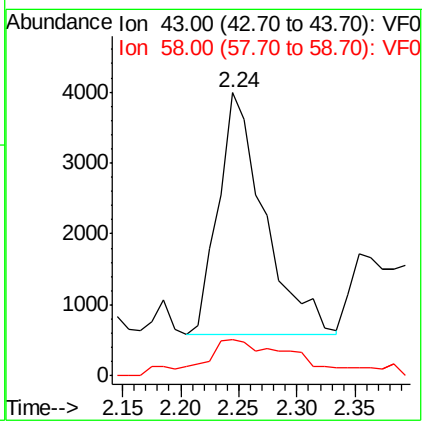


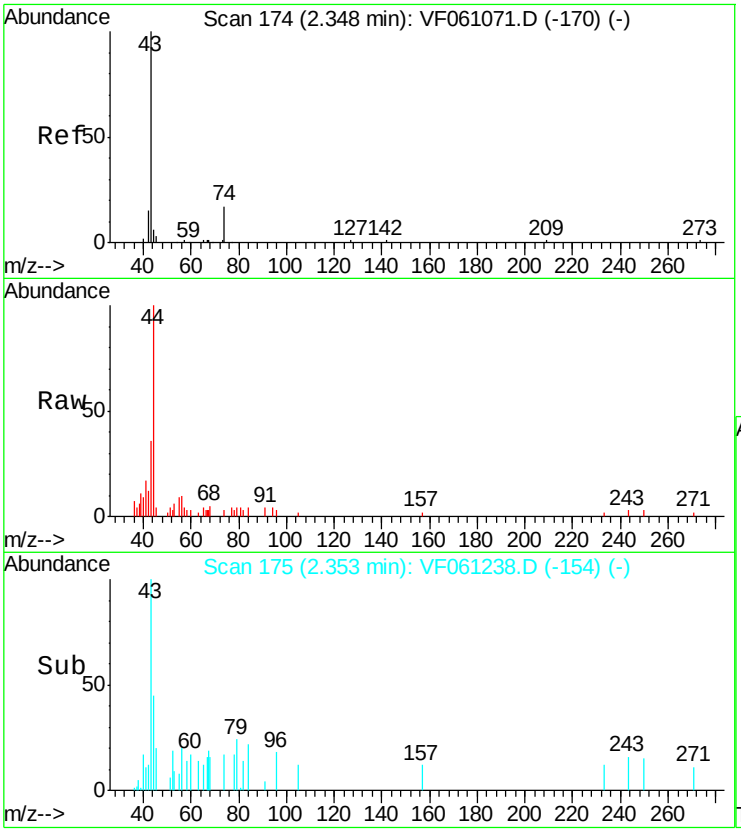


#16
Acetone
Concen: 13.712 ug/l
RT: 2.24 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion: 43 Resp: 9352

Ion	Ratio	Lower	Upper
43	100		
58	13.0	11.1	16.7



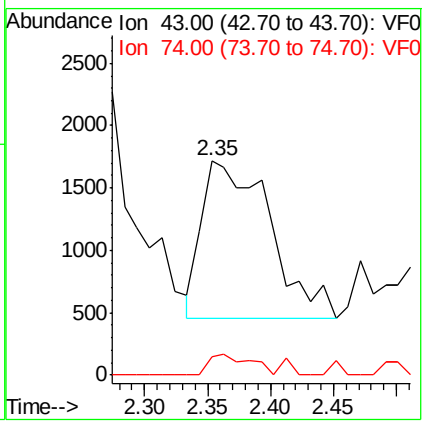


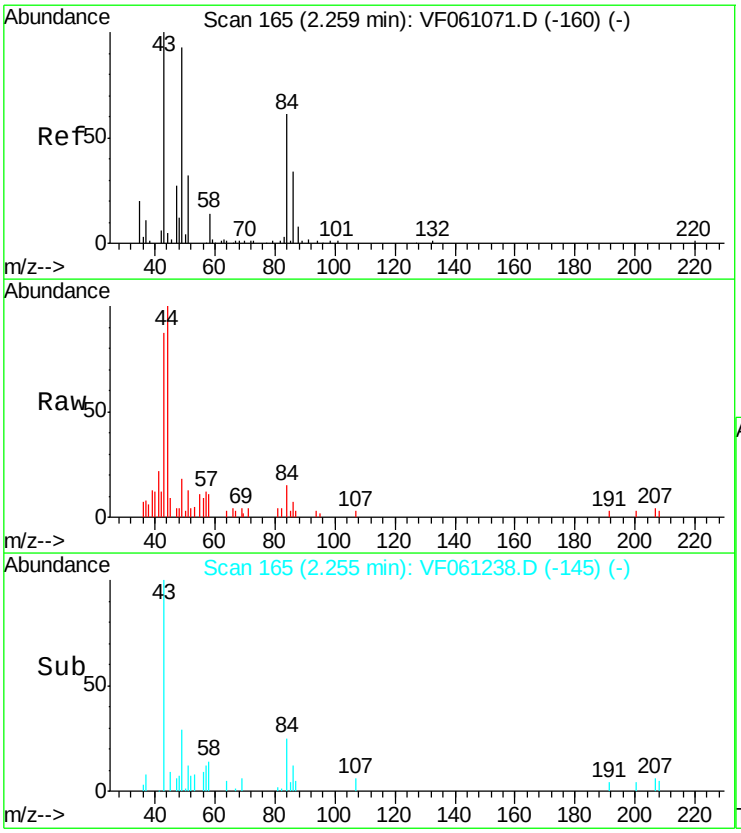
#18
Methyl Acetate
Concen: 3.378 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument : MSVOA_F
ClientSampleId : S72-0051

Tgt Ion: 43 Resp: 4766

Ion	Ratio	Lower	Upper
43	100		
74	8.7	11.0	16.6#

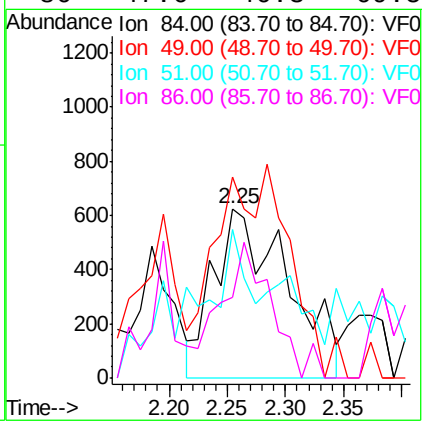


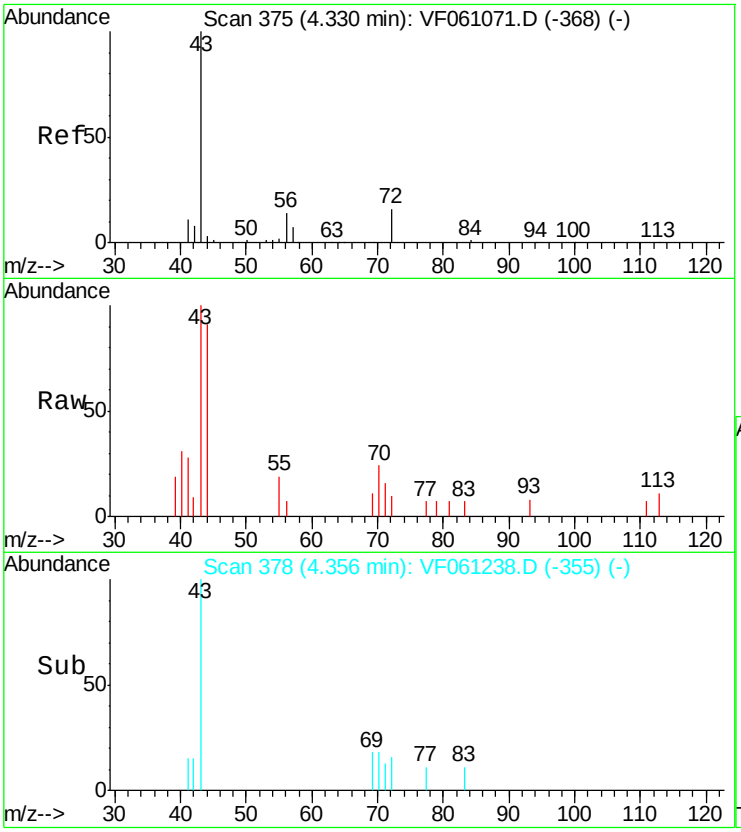


#20
Methylene Chloride
Concen: Below Cal
RT: 2.25 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion: 84 Resp: 2766

Ion	Ratio	Lower	Upper
84	100		
49	118.9	129.4	194.2#
51	88.0	44.0	66.0#
86	47.6	46.3	69.5



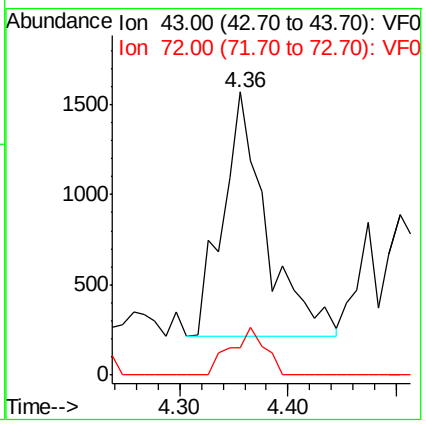


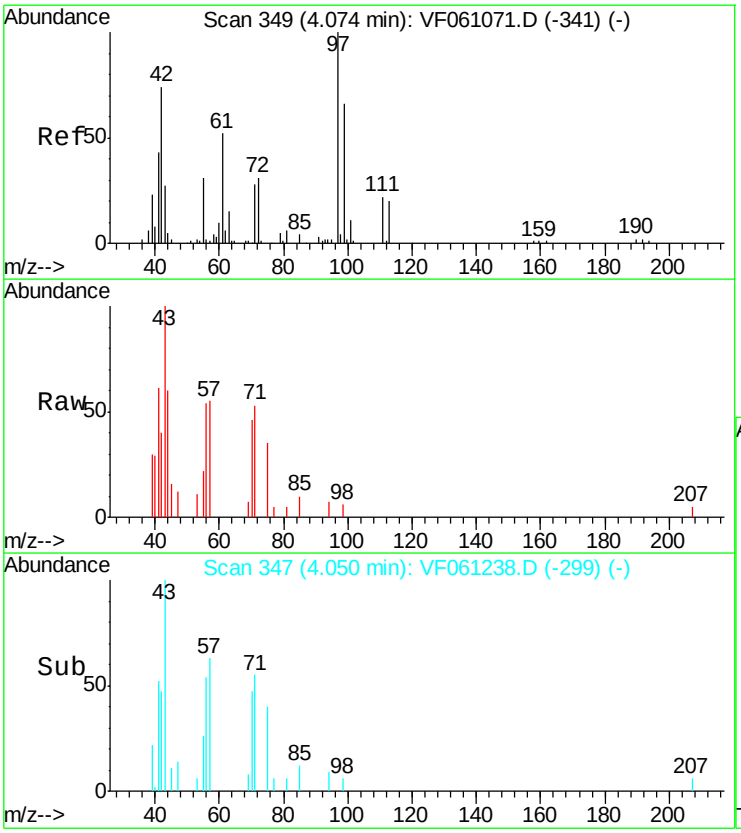
#25
2-Butanone
Concen: 3.423 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.03 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument : MSVOA_F
ClientSampleId : S72-0051

Tgt Ion: 43 Resp: 3786

Ion	Ratio	Lower	Upper
43	100		
72	9.6	15.6	23.4#

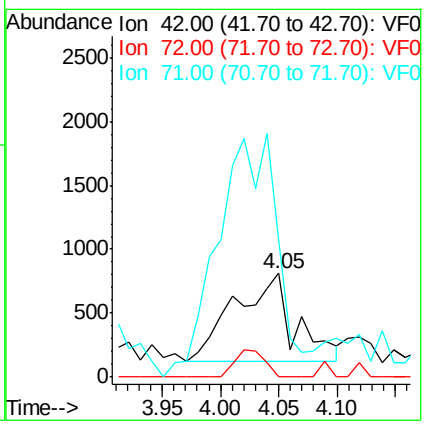


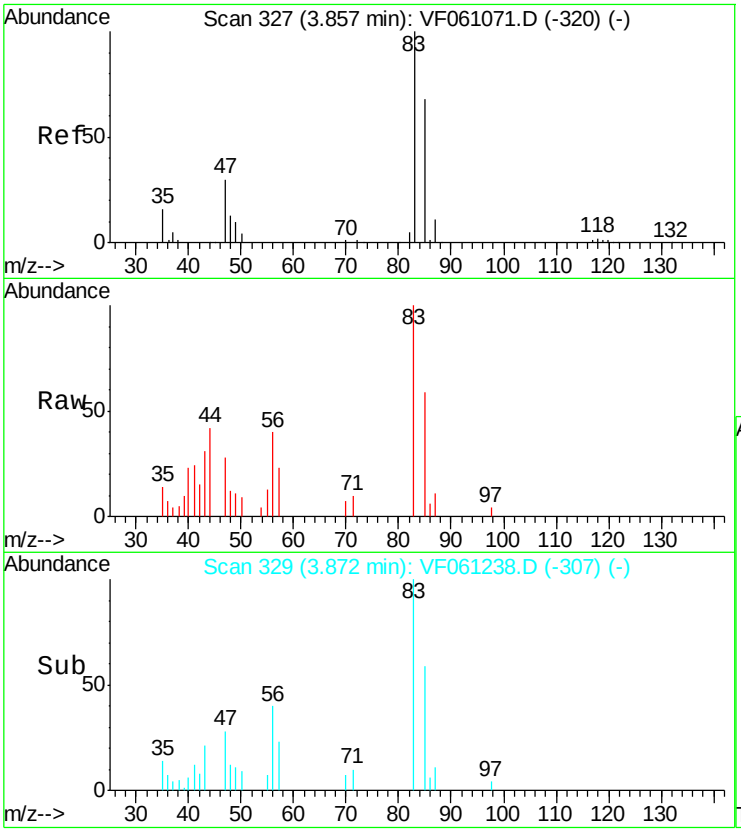


#29
Tetrahydrofuran
Concen: 5.429 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion: 42 Resp: 2444

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	271.5	29.7	44.5#



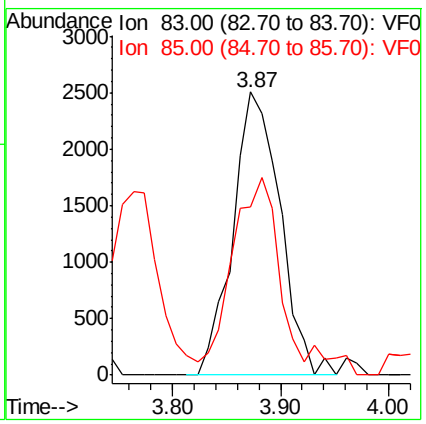


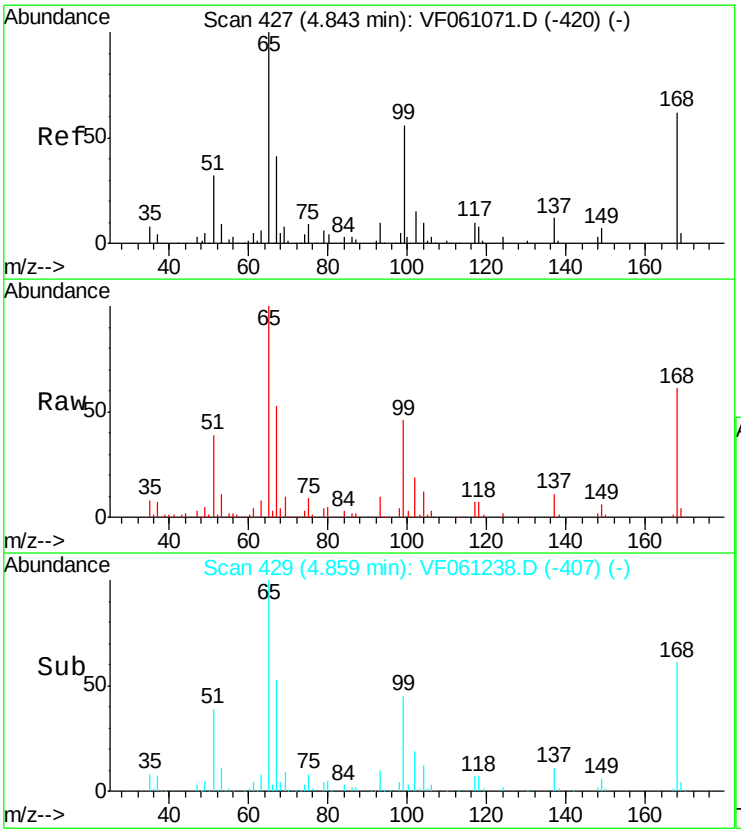
#30
Chloroform
Concen: 1.060 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
S72-0051

Tgt Ion: 83 Resp: 7630

Ion	Ratio	Lower	Upper
83	100		
85	59.3	54.5	81.7

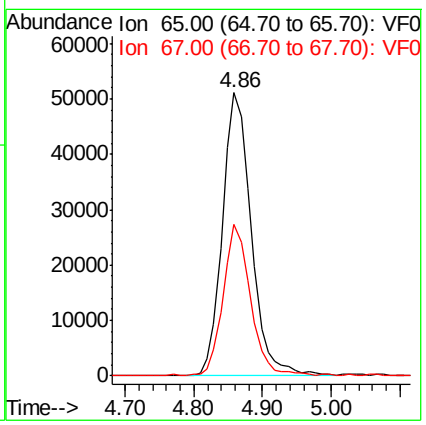


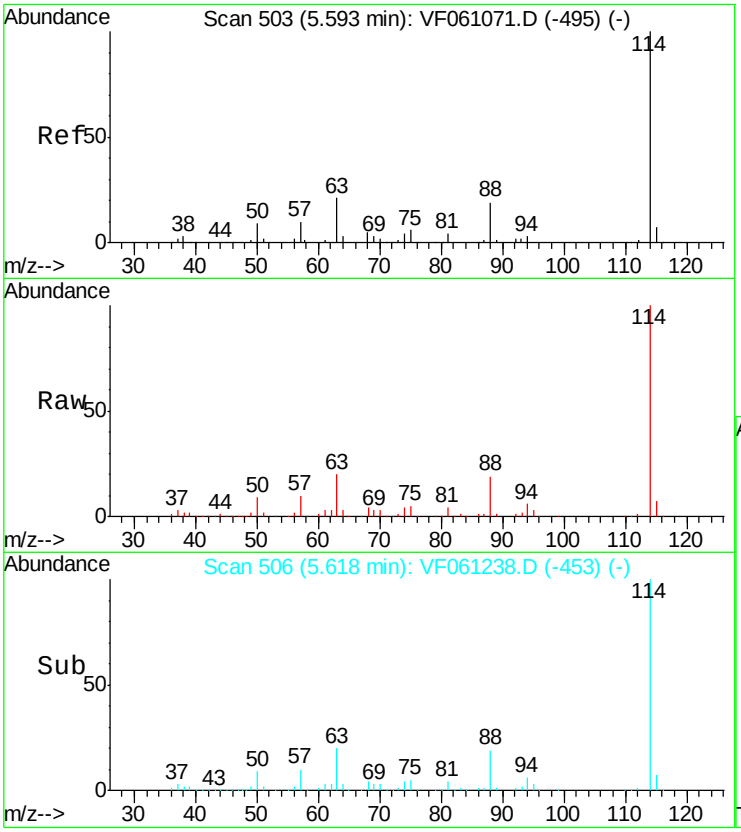


#33
1,2-Dichloroethane-d4
Concen: 43.582 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion: 65 Resp: 148689

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	94.6



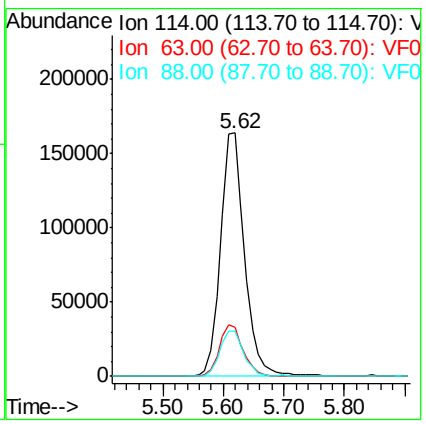


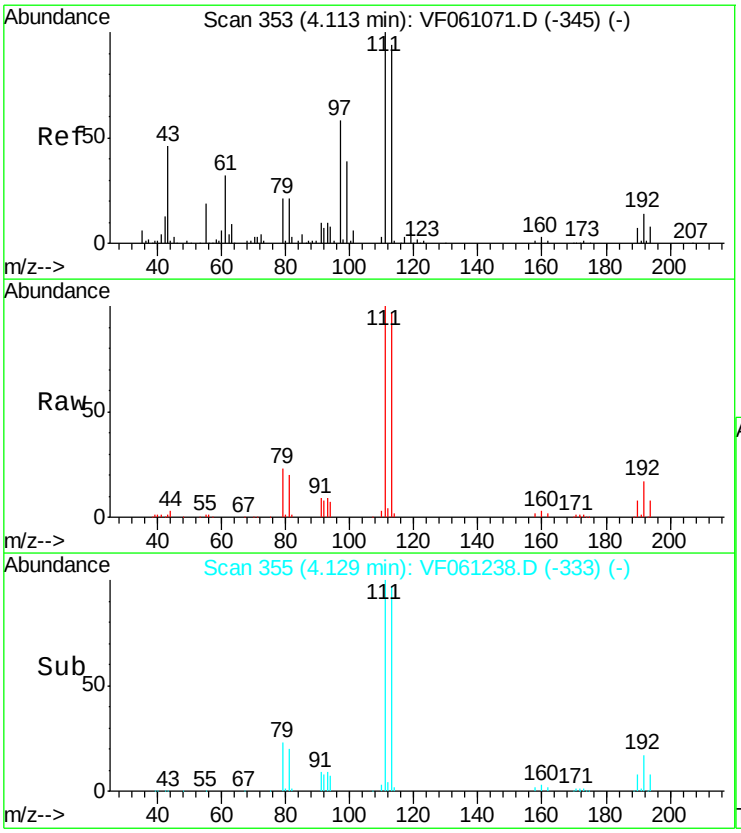
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.03 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument : MSVOA_F
ClientSampleId : S72-0051

Tgt Ion:114 Resp: 452885

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.6
88	18.8	0.0	38.0

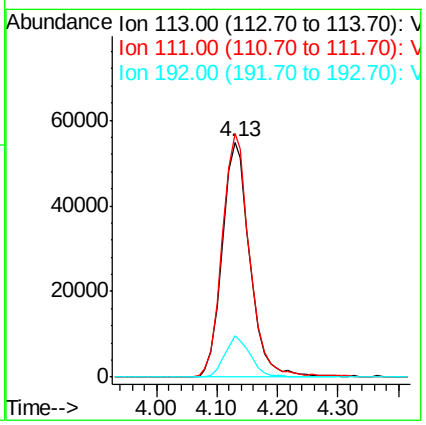


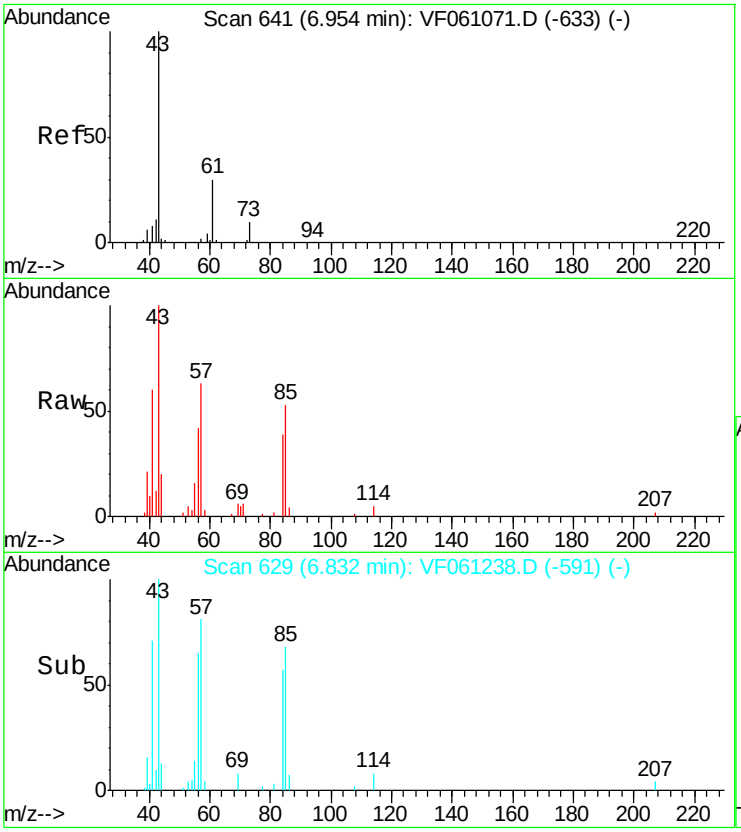


#35
Dibromofluoromethane
Concen: 47.907 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion:113 Resp: 173800

Ion	Ratio	Lower	Upper
113	100		
111	103.5	85.2	127.8
192	17.5	12.8	19.2



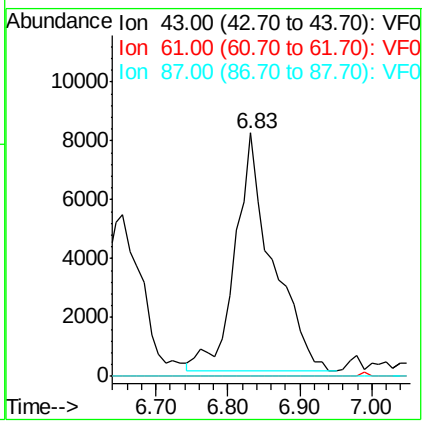


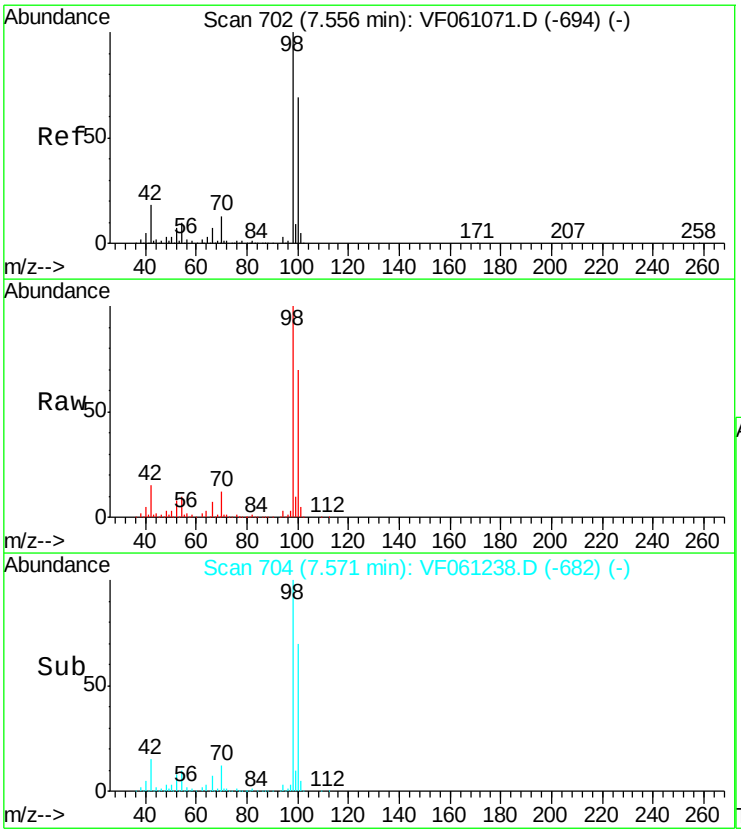
#43
Isopropyl Acetate
Concen: 11.031 ug/l
RT: 6.83 min Scan# 629
Delta R.T. -0.12 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument : MSVOA_F
ClientSampleId : S72-0051

Tgt Ion: 43 Resp: 29116

Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	0.0	0.0

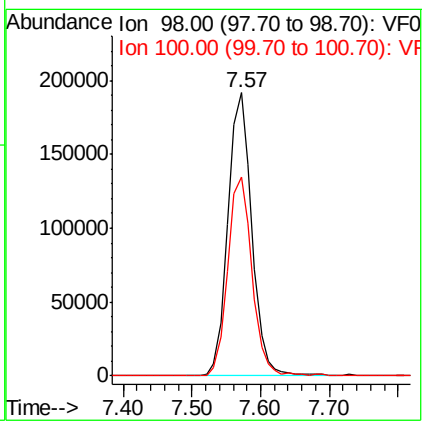


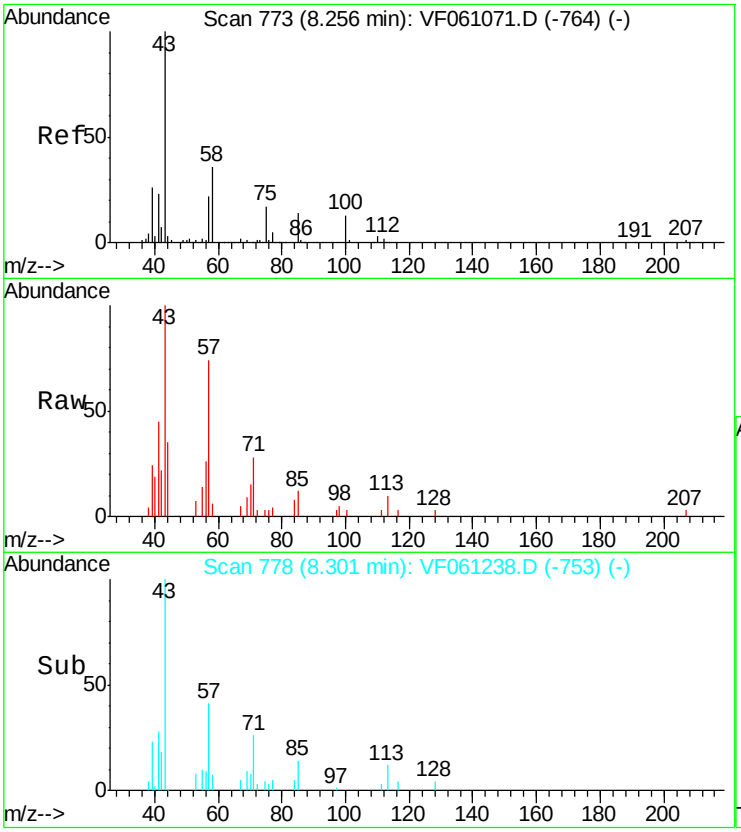


#50
Toluene-d8
Concen: 44.923 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion: 98 Resp: 461855

Ion	Ratio	Lower	Upper
98	100		
100	70.2	55.3	82.9



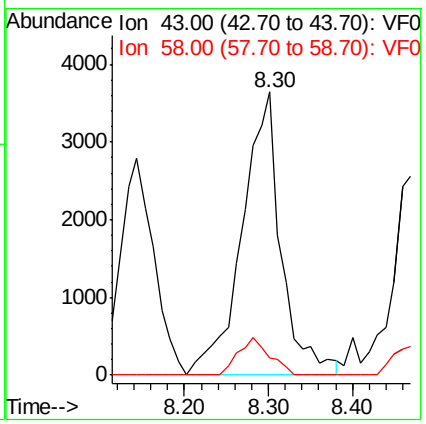


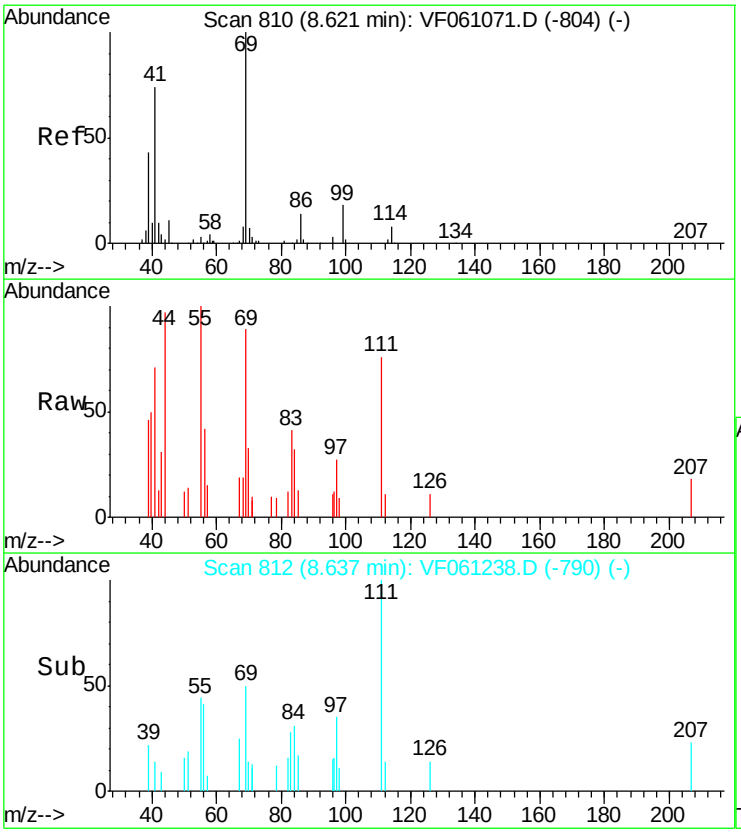
#51
4-Methyl-2-Pentanone
Concen: 6.551 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.05 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument : MSVOA_F
ClientSampleId : S72-0051

Tgt Ion: 43 Resp: 11860

Ion	Ratio	Lower	Upper
43	100		
58	6.2	29.1	43.7#

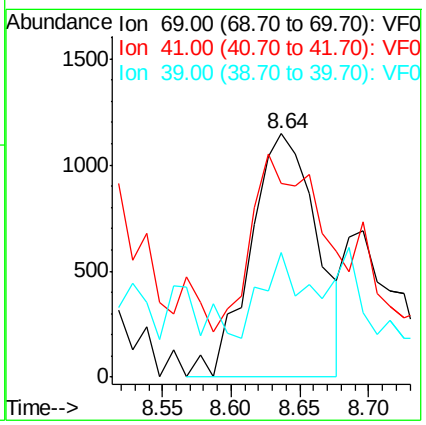


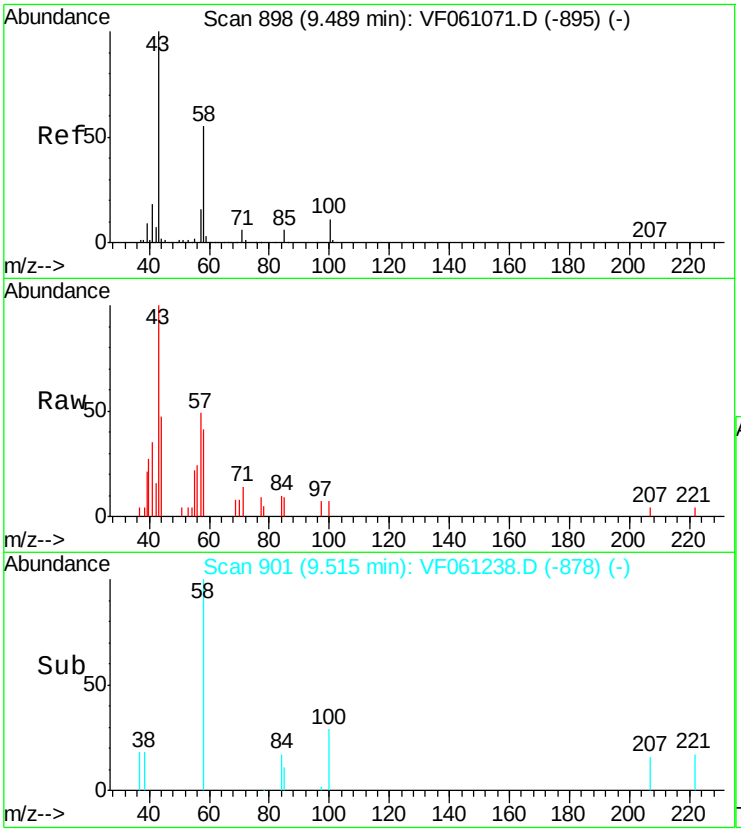


#56
Ethyl methacrylate
Concen: 1.530 ug/l
RT: 8.64 min Scan# 812
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion: 69 Resp: 3862

Ion	Ratio	Lower	Upper
69	100		
41	79.4	59.7	89.5
39	51.2	35.0	52.6



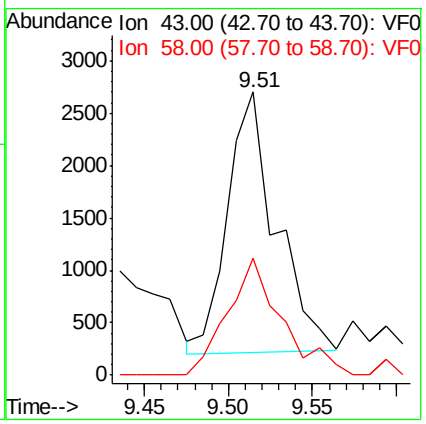


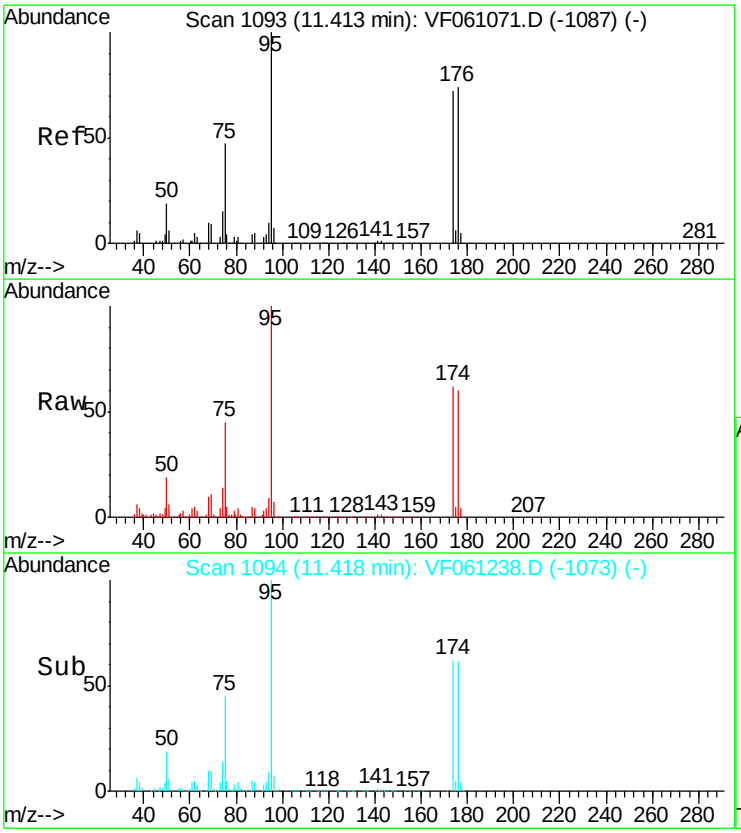
#59
2-Hexanone
Concen: 3.796 ug/l
RT: 9.51 min Scan# 901
Delta R.T. 0.03 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
S72-0051

Tgt Ion: 43 Resp: 4969

Ion	Ratio	Lower	Upper
43	100		
58	41.2	25.1	75.2

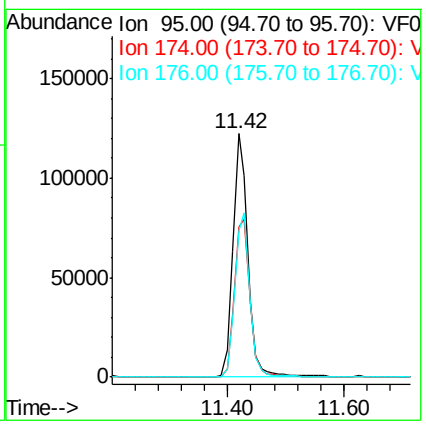


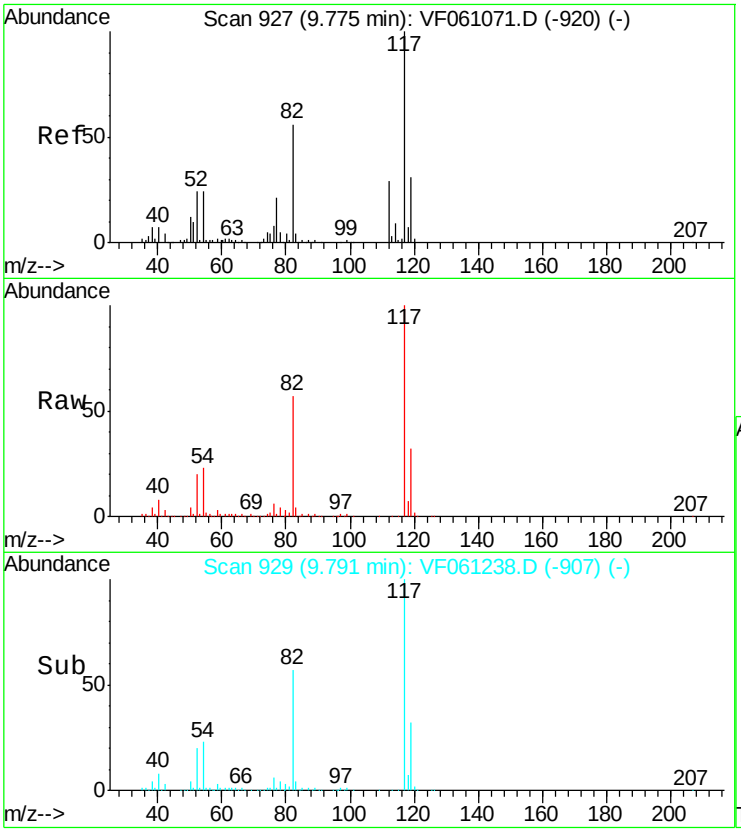


#62
4-Bromofluorobenzene
Concen: 45.460 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion: 95 Resp: 215465

Ion	Ratio	Lower	Upper
95	100		
174	61.6	0.0	143.8
176	60.4	0.0	147.6



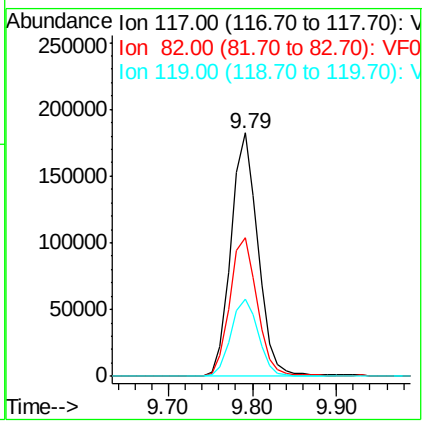


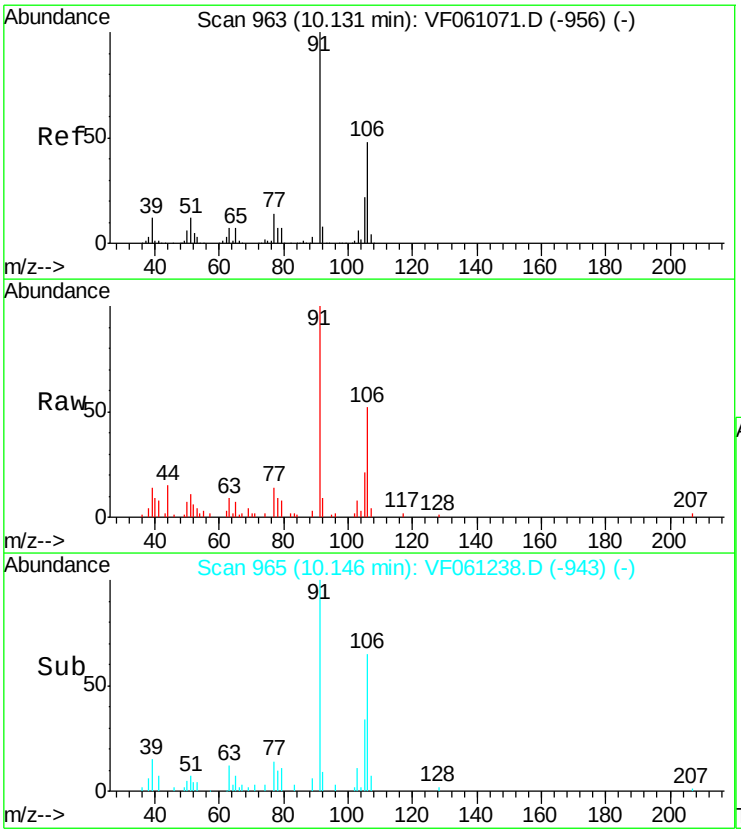
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
S72-0051

Tgt Ion:117 Resp: 409191

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.0	67.4
119	31.7	24.8	37.2

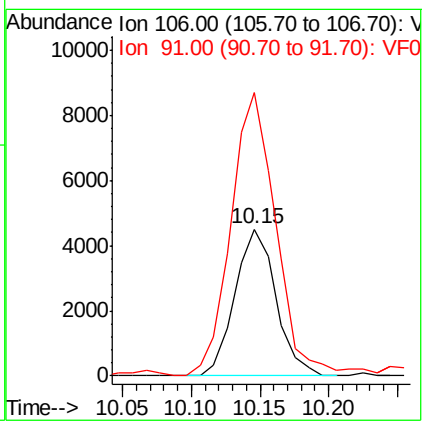


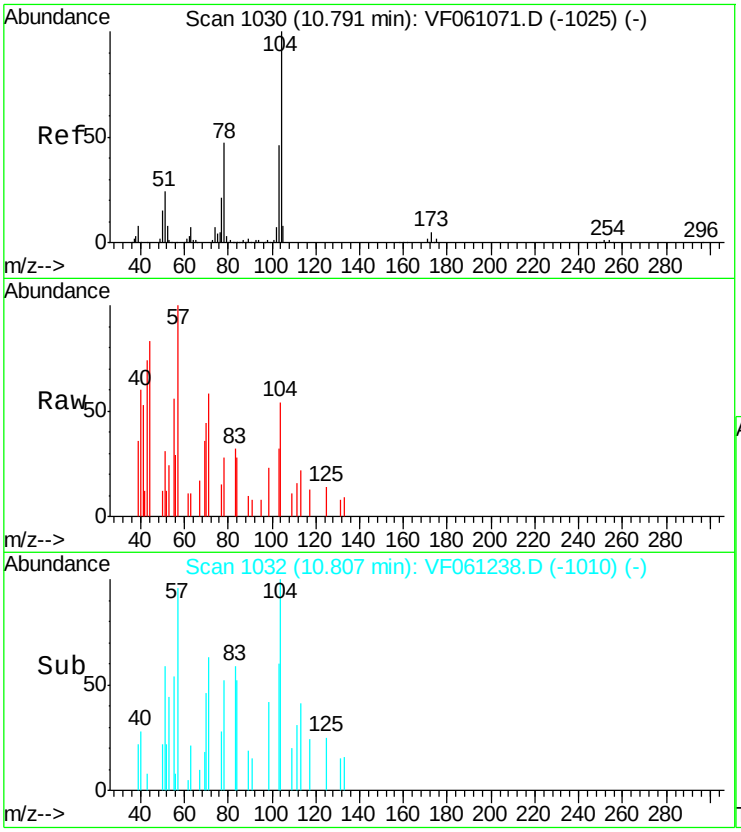


#68
m/p-Xylenes
Concen: 1.726 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion:106 Resp: 9355

Ion	Ratio	Lower	Upper
106	100		
91	193.0	168.2	252.2



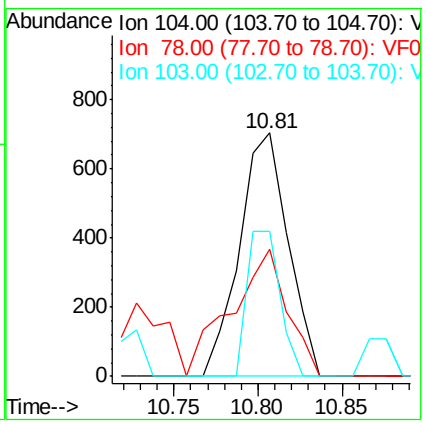


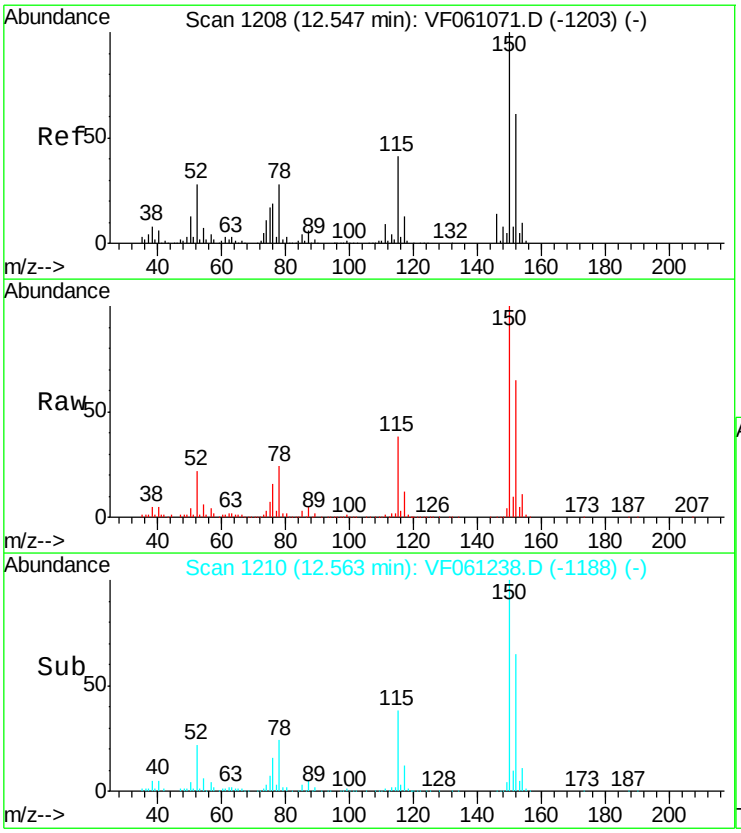
#70
Styrene
Concen: Below Cal
RT: 10.81 min Scan# 1032
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument : MSVOA_F
ClientSampleId : S72-0051

Tgt Ion:104 Resp: 1414

Ion	Ratio	Lower	Upper
104	100		
78	52.3	38.4	57.6
103	59.8	37.0	55.6#

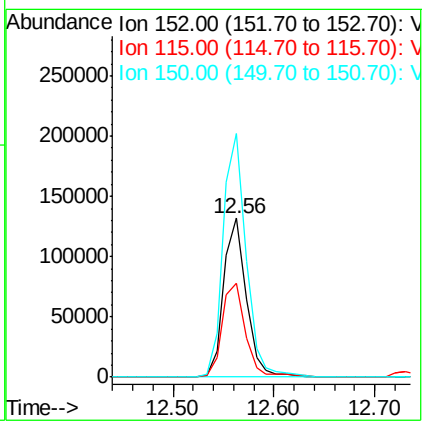


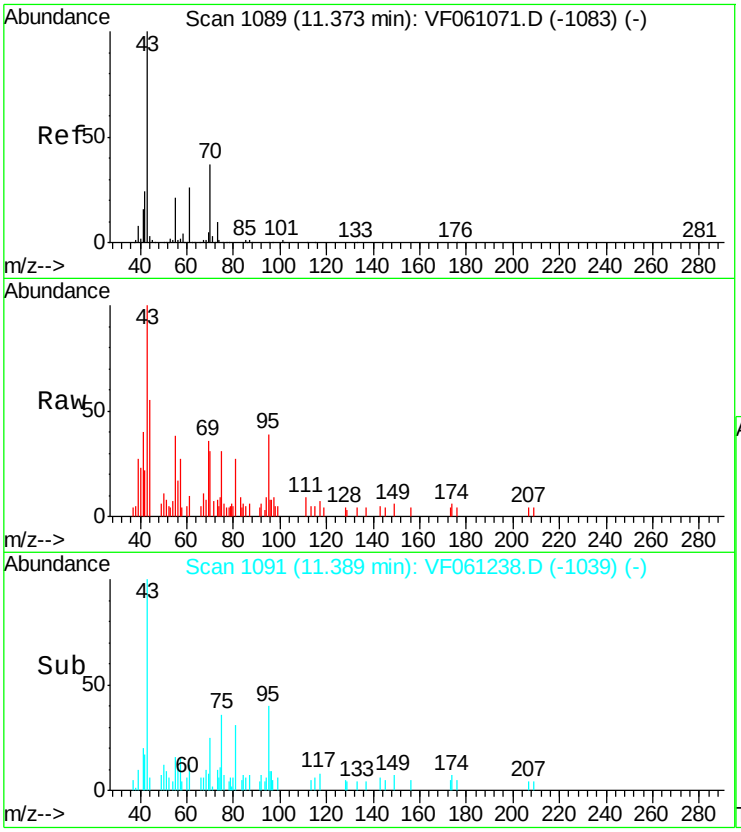


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion:152 Resp: 207626

Ion	Ratio	Lower	Upper
152	100		
115	58.9	33.3	99.9
150	153.1	0.0	328.2



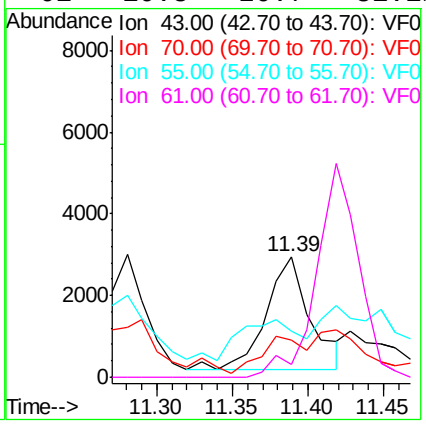


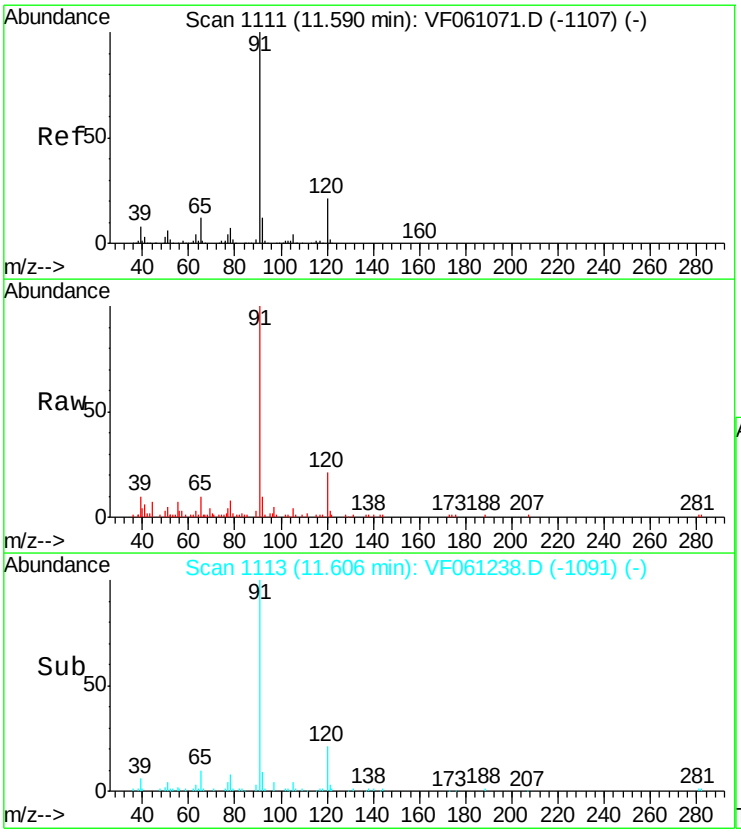
#74
N-amyl acetate
Concen: 1.401 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument : MSVOA_F
ClientSampleId : S72-0051

Tgt Ion: 43 Resp: 5564

Ion	Ratio	Lower	Upper
43	100		
70	30.6	29.2	43.8
55	37.8	16.5	24.7#
61	10.3	20.7	31.1#

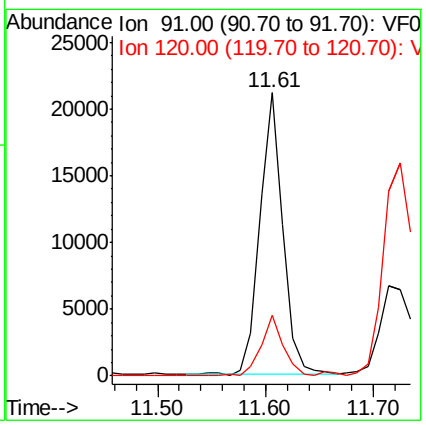


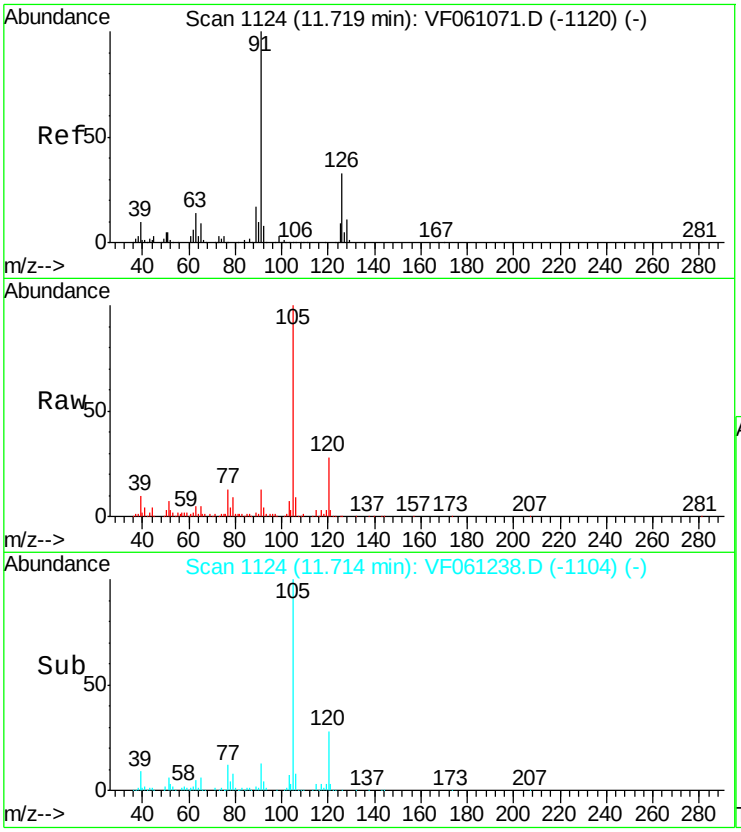


#78
n-propylbenzene
Concen: 1.133 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion: 91 Resp: 31528

Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.4	31.2



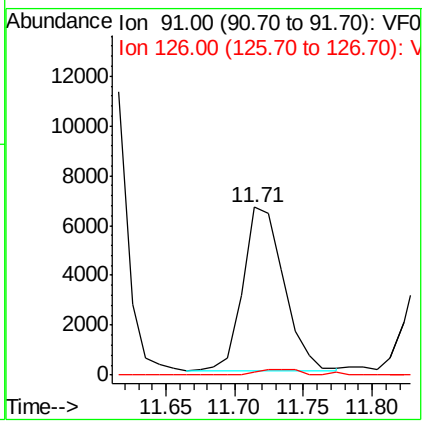


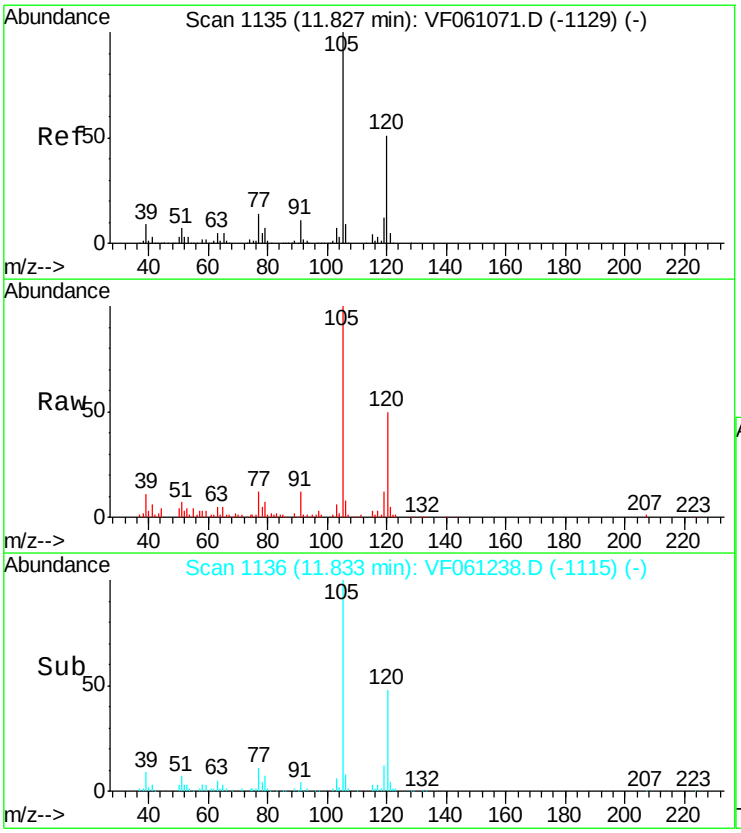
#79
2-Chlorotoluene
Concen: 1.115 ug/l
RT: 11.71 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument : MSVOA_F
ClientSampleId : S72-0051

Tgt Ion: 91 Resp: 13684

Ion	Ratio	Lower	Upper
91	100		
126	1.5	16.4	49.1#

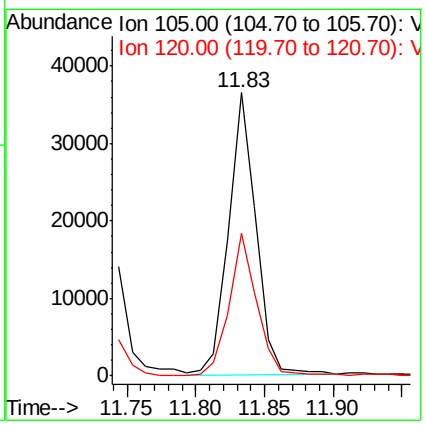


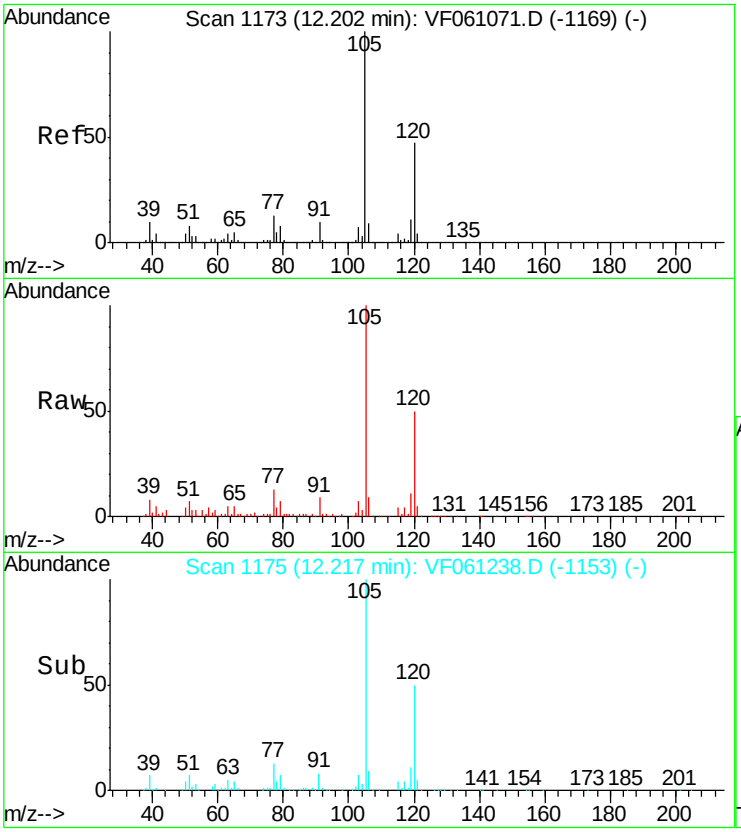


#80
1,3,5-Trimethylbenzene
Concen: 3.433 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion:105 Resp: 50577

Ion	Ratio	Lower	Upper
105	100		
120	50.5	25.4	76.4



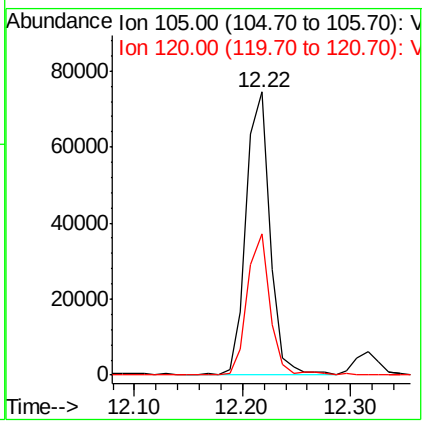


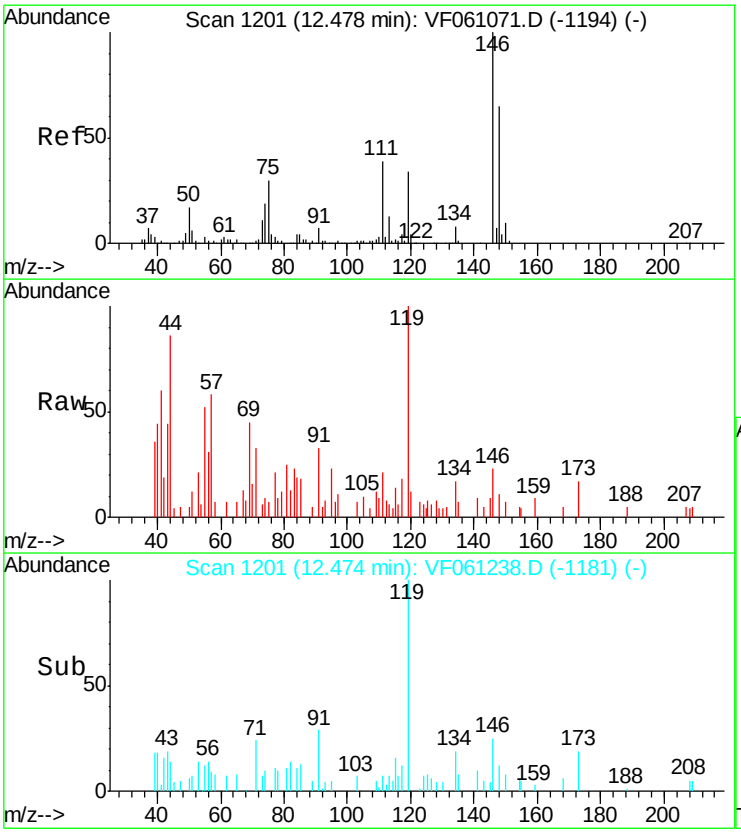
#84
1,2,4-Trimethylbenzene
Concen: 7.717 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
S72-0051

Tgt Ion:105 Resp: 113371

Ion	Ratio	Lower	Upper
105	100		
120	49.7	23.6	71.0

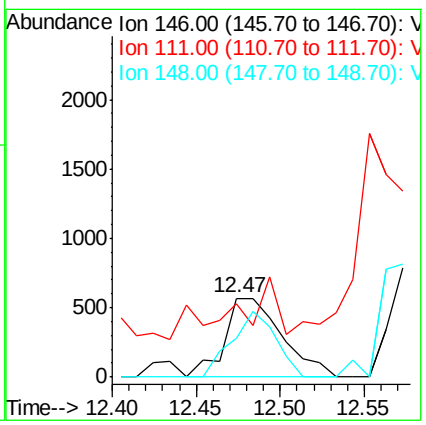


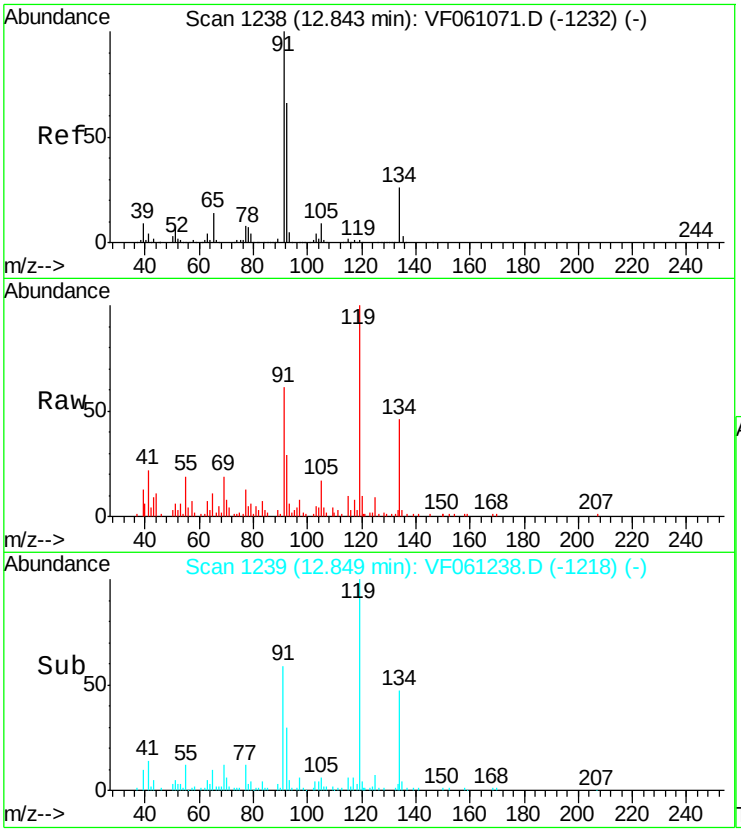


#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.47 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion:146 Resp: 1359

Ion	Ratio	Lower	Upper
146	100		
111	92.6	19.3	57.9#
148	48.8	32.4	97.2



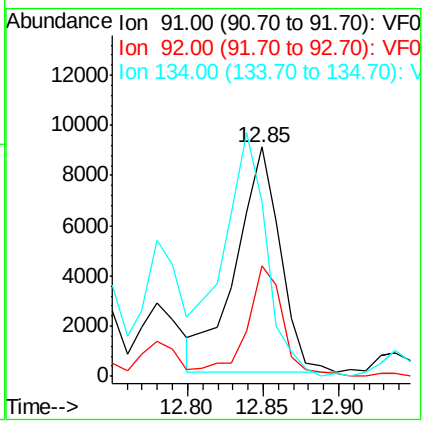


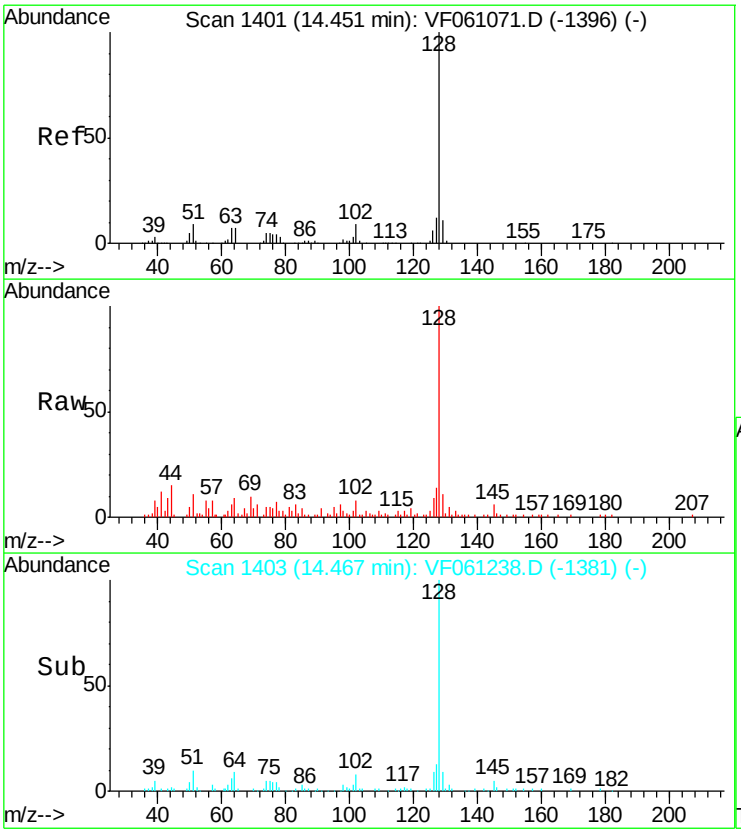
#89
n-Butylbenzene
Concen: 1.195 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
S72-0051

Tgt Ion: 91 Resp: 18258

Ion	Ratio	Lower	Upper
91	100		
92	48.1	32.8	98.4
134	76.4	13.2	39.5#





#95
Naphthalene
Concen: 3.424 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.02 min
Lab File: VF061238.D
Acq: 28 Dec 2018 16:17

Tgt Ion:128 Resp: 30532

Ion	Ratio	Lower	Upper
128	100		
127	14.1	9.4	14.2
129	10.9	8.8	13.2