Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122818\
Data File : VF061239.D
Acq On : 28 Dec 2018 16:46
Operator : VA/AP
Sample : J6546-01
Misc : 5.74g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : S72-0056

Quant Time: Dec 29 00:57:34 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	279439	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	501926	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	435477	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	237286	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	156069	43.42	ug/l	0.02
Spiked Amount 50.000			Recovery = 86.84%			
35) Dibromofluoromethane	4.13	113	177836	44.23	ug/l	0.02
Spiked Amount 50.000			Recovery = 88.46%			
50) Toluene-d8	7.57	98	490396	43.04	ug/l	0.02
Spiked Amount 50.000			Recovery = 86.08%			
62) 4-Bromofluorobenzene	11.42	95	231181	44.01	ug/l	0.00
Spiked Amount 50.000			Recovery = 88.02%			
Target Compounds						Qvalue
13) Acrolein	1.95	56	423	4.036	ug/l	85
15) Acrylonitrile	2.92	53	534	1.592	ug/l #	1
16) Acetone	2.24	43	14921	20.767	ug/l	99
18) Methyl Acetate	2.36	43	4558	3.066	ug/l #	66
20) Methylene Chloride	2.26	84	3315	Below Cal	#	63
25) 2-Butanone	4.36	43	3466	2.974	ug/l	92
29) Tetrahydrofuran	4.11	42	540	1.139	ug/l #	61
37) Ethyl Acetate	4.13	43	102	Below Cal	#	94
41) Methacrylonitrile	4.80	41	1389	1.086	ug/l #	52
51) 4-Methyl-2-Pentanone	8.28	43	2363	1.178	ug/l #	38
59) 2-Hexanone	9.52	43	2988	2.059	ug/l	65
70) Styrene	10.81	104	640	Below Cal	#	87
78) n-propylbenzene	11.61	91	3306	Below Cal		82
87) 1,3-Dichlorobenzene	12.48	146	715	Below Cal	#	83

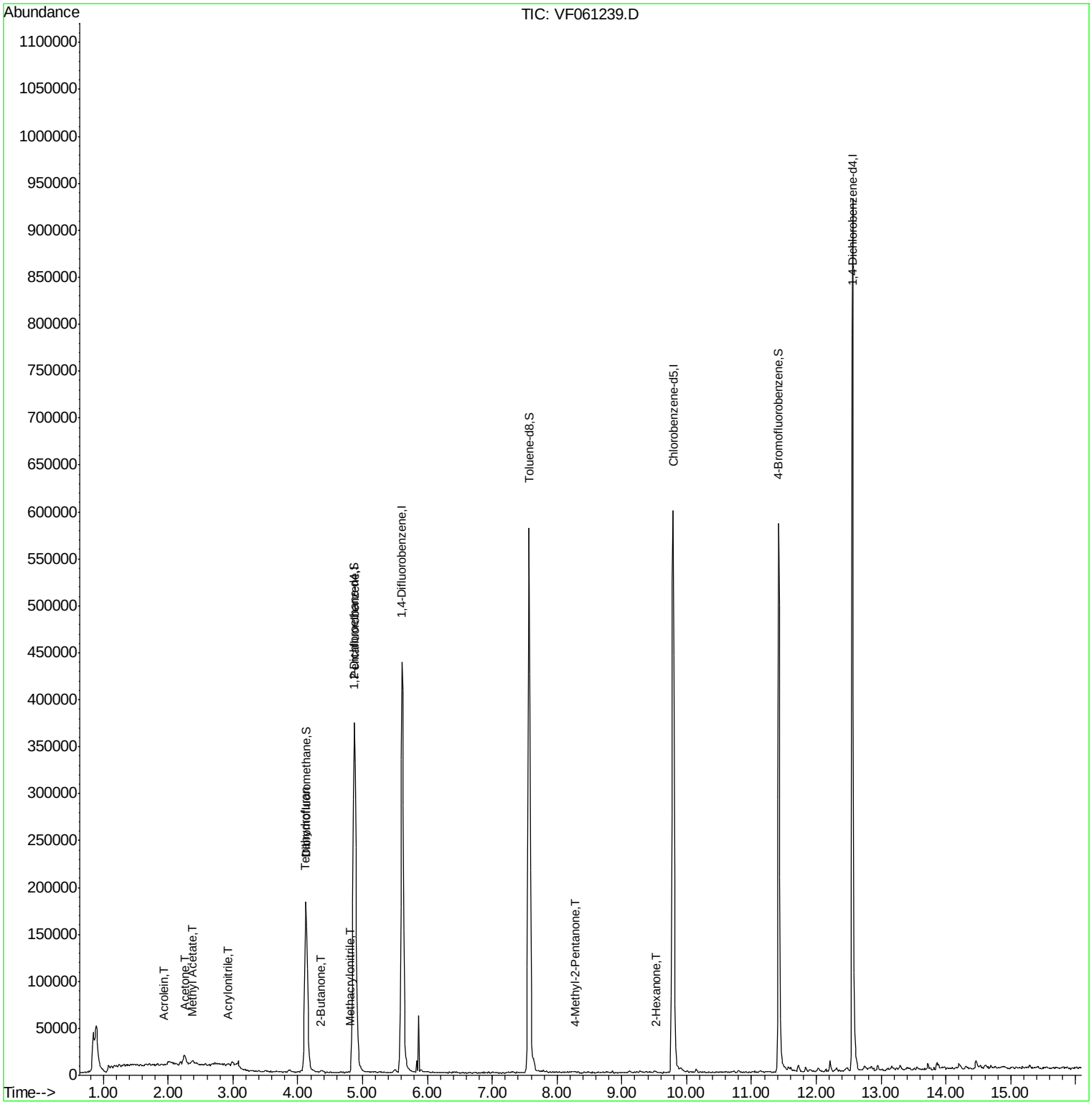
(#) = qualifier out of range (m) = manual integration (+) = signals summed

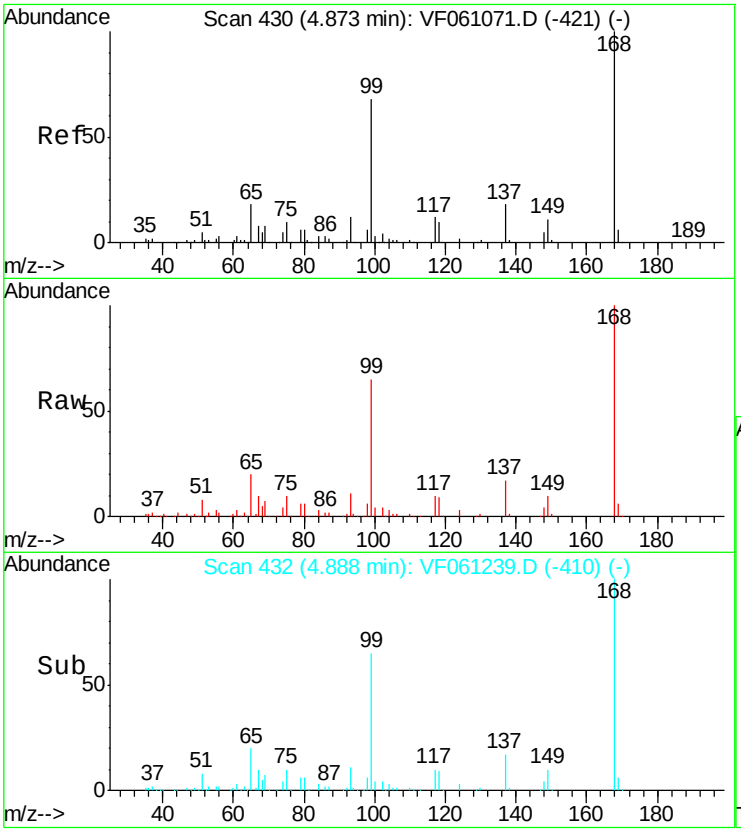
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122818\
Data File : VF061239.D
Acq On : 28 Dec 2018 16:46
Operator : VA/AP
Sample : J6546-01
Misc : 5.74g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
S72-0056

Quant Time: Dec 29 00:57:34 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



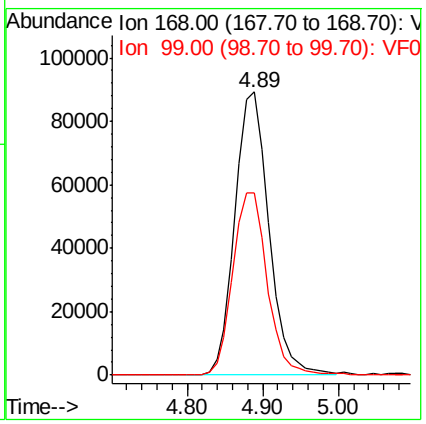


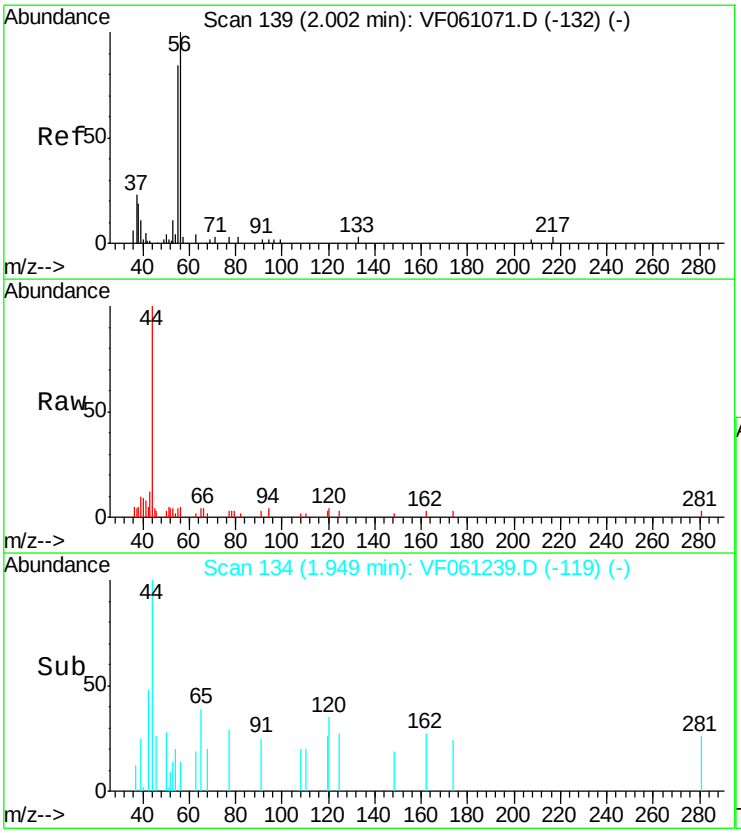
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument : MSVOA_F
ClientSampleId : S72-0056

Tgt Ion:168 Resp: 279439

Ion	Ratio	Lower	Upper
168	100		
99	64.6	54.4	81.6

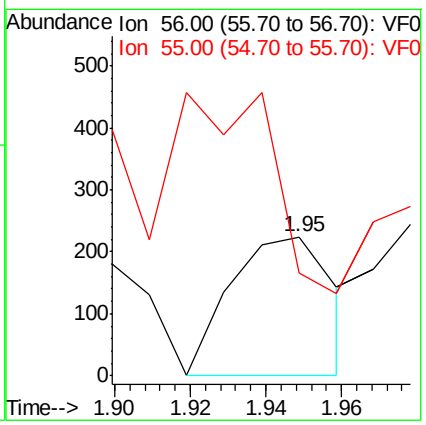


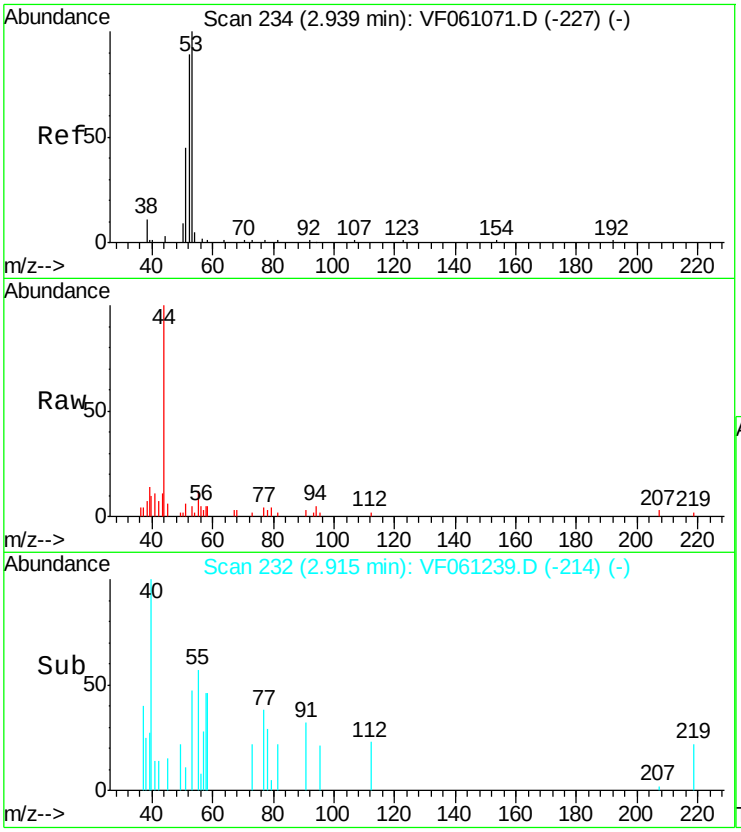


#13
Acrolein
Concen: 4.036 ug/l
RT: 1.95 min Scan# 134
Delta R.T. -0.05 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion: 56 Resp: 423

Ion	Ratio	Lower	Upper
56	100		
55	74.1	70.2	105.2



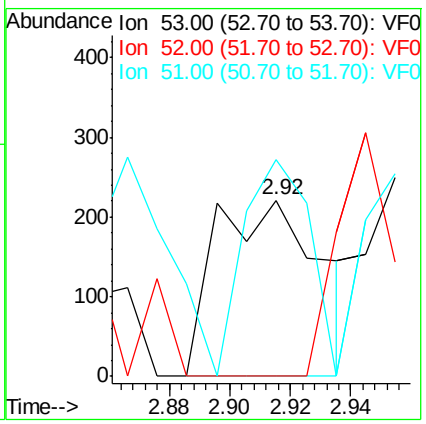


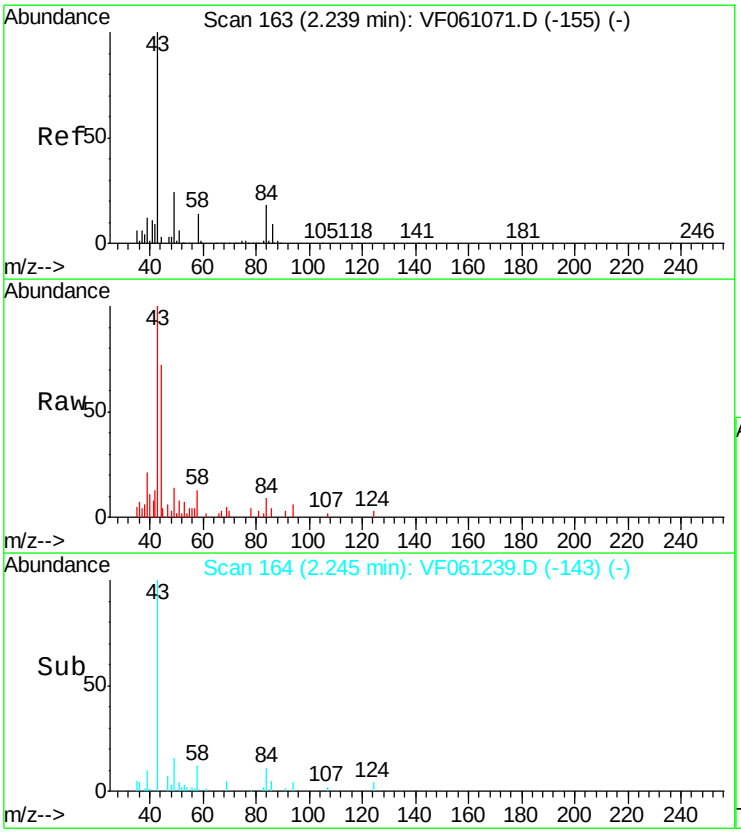
#15
Acrylonitrile
Concen: 1.592 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument : MSVOA_F
ClientSampleId : S72-0056

Tgt Ion: 53 Resp: 534

Ion	Ratio	Lower	Upper
53	100		
52	0.0	71.3	106.9#
51	123.1	36.8	55.2#

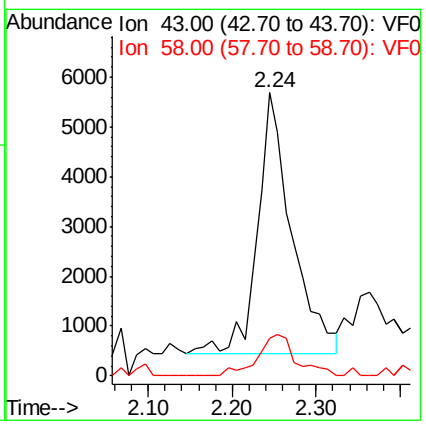


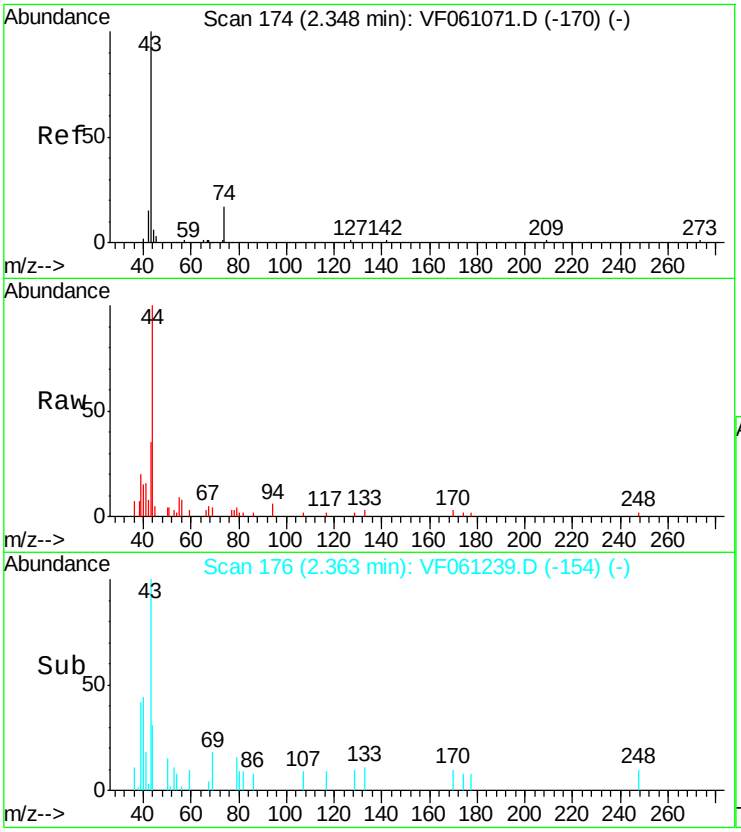


#16
Acetone
Concen: 20.767 ug/l
RT: 2.24 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion: 43 Resp: 14921

Ion	Ratio	Lower	Upper
43	100		
58	13.3	11.1	16.7



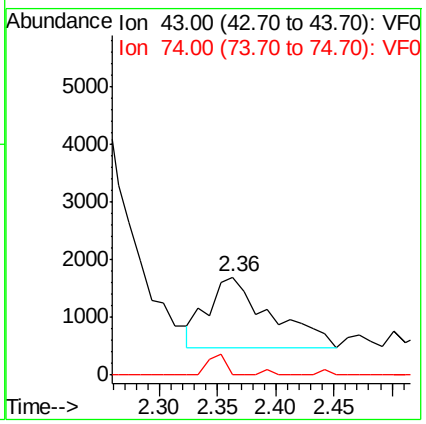


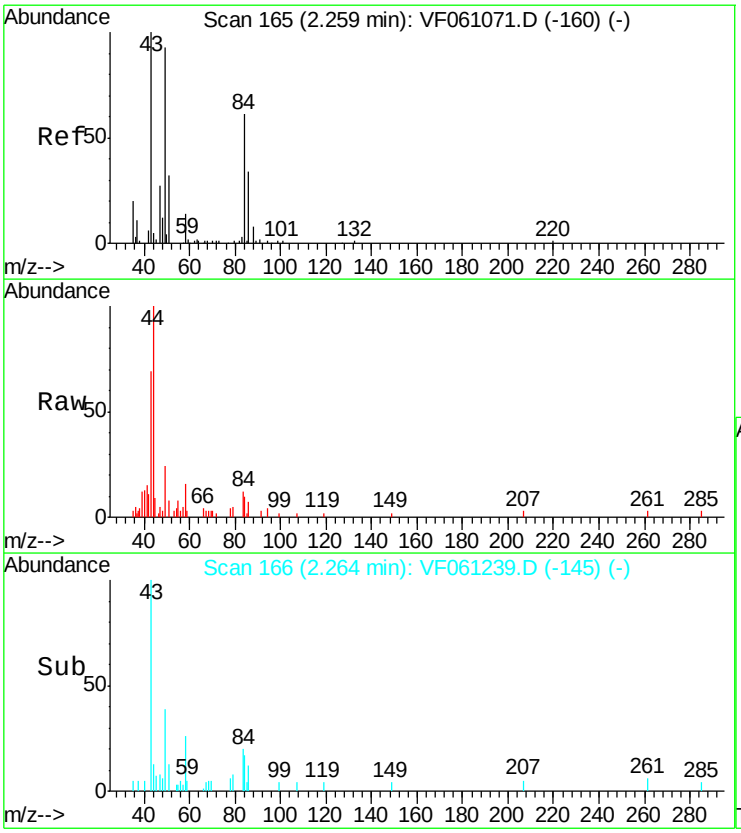
#18
Methyl Acetate
Concen: 3.066 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument :
MSVOA_F
ClientSampleId :
S72-0056

Tgt Ion: 43 Resp: 4558

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.0	16.6#

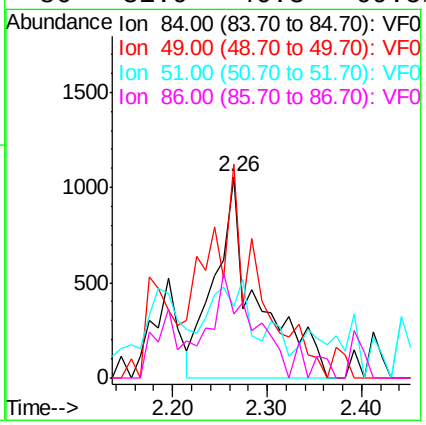


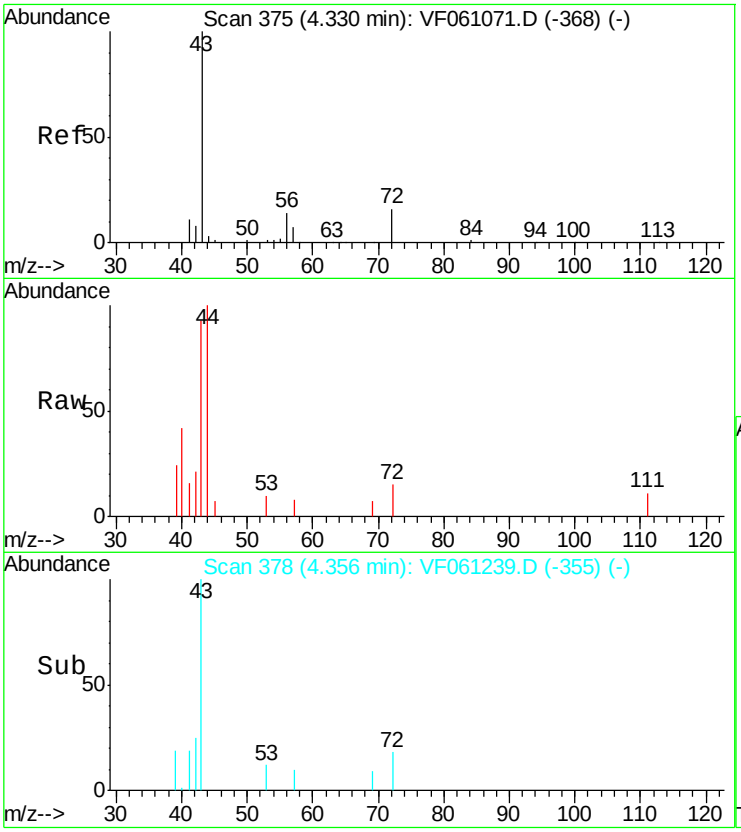


#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion: 84 Resp: 3315

Ion	Ratio	Lower	Upper
84	100		
49	106.1	129.4	194.2#
51	35.6	44.0	66.0#
86	31.9	46.3	69.5#



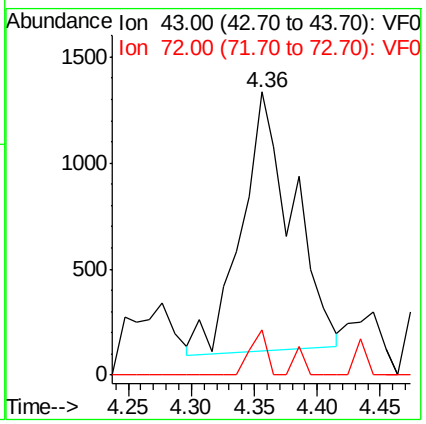


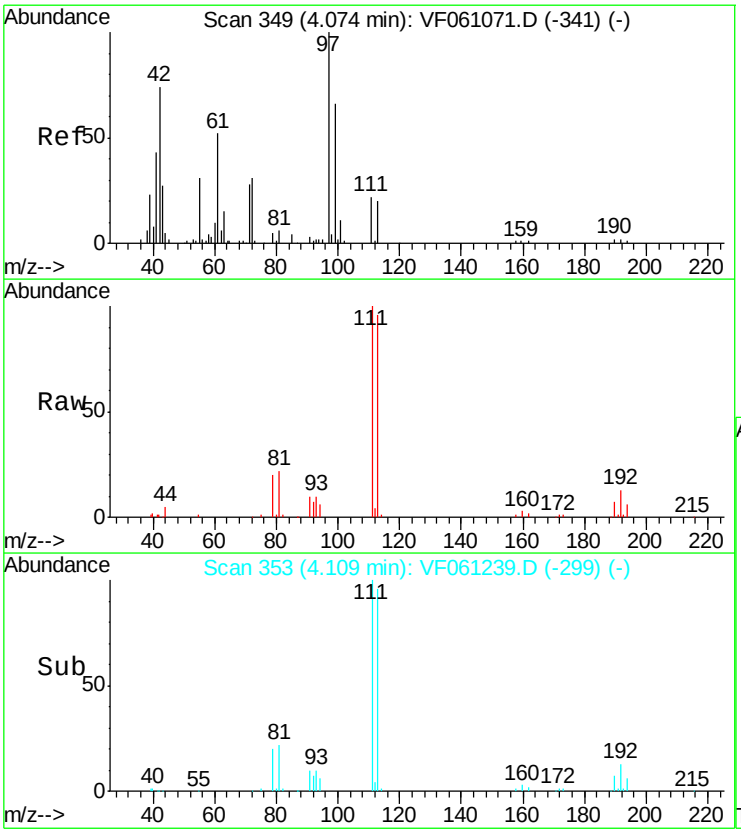
#25
2-Butanone
Concen: 2.974 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.03 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument : MSVOA_F
ClientSampleId : S72-0056

Tgt Ion: 43 Resp: 3466

Ion	Ratio	Lower	Upper
43	100		
72	15.8	15.6	23.4

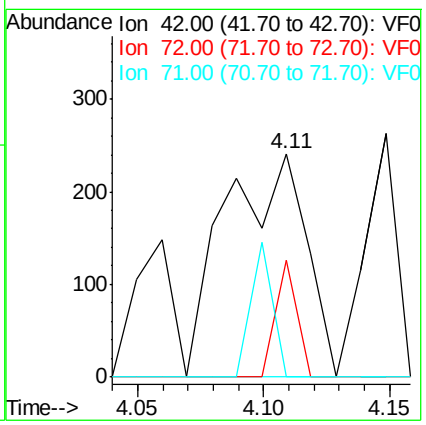


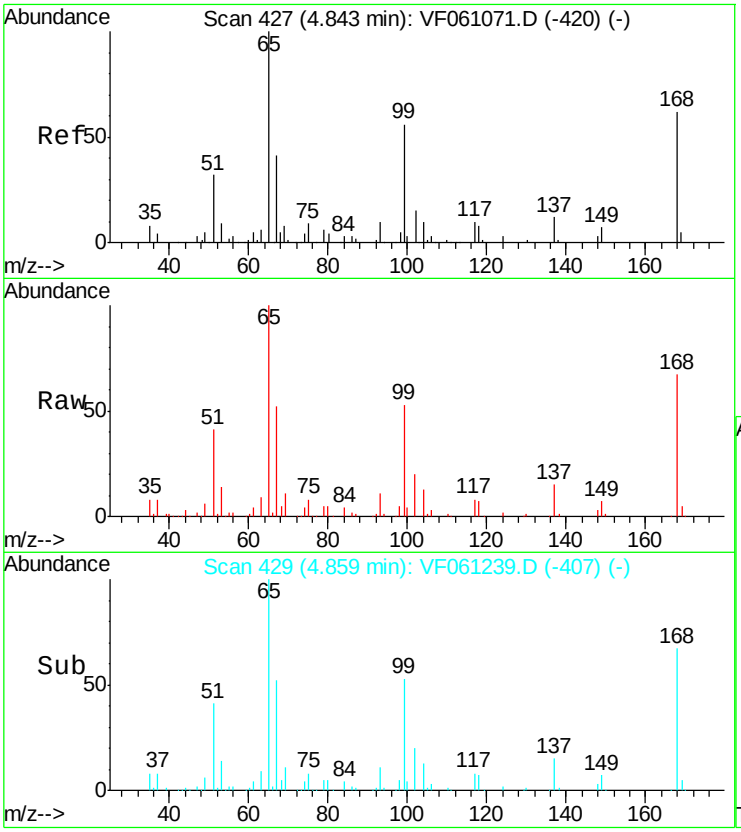


#29
Tetrahydrofuran
Concen: 1.139 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.04 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion: 42 Resp: 540

Ion	Ratio	Lower	Upper
42	100		
72	13.9	31.8	47.8#
71	15.9	29.7	44.5#



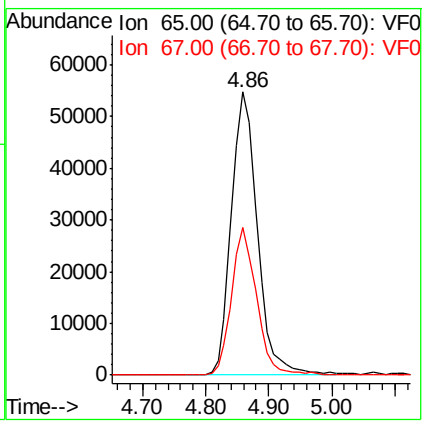


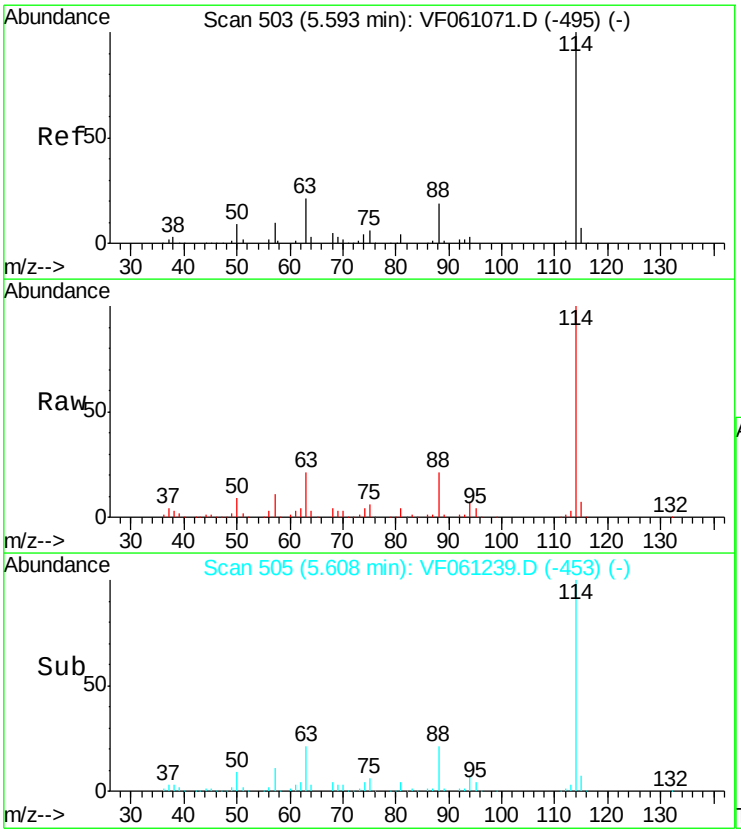
#33
1,2-Dichloroethane-d4
Concen: 43.424 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument :
MSVOA_F
ClientSampleId :
S72-0056

Tgt Ion: 65 Resp: 156069

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	94.6

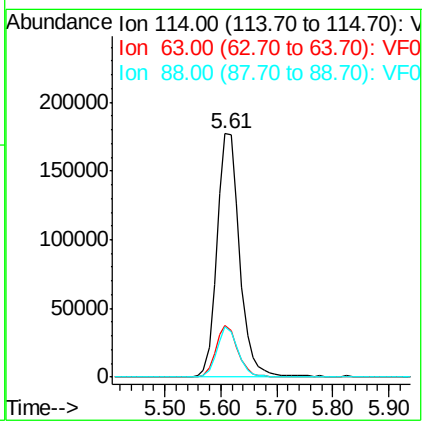


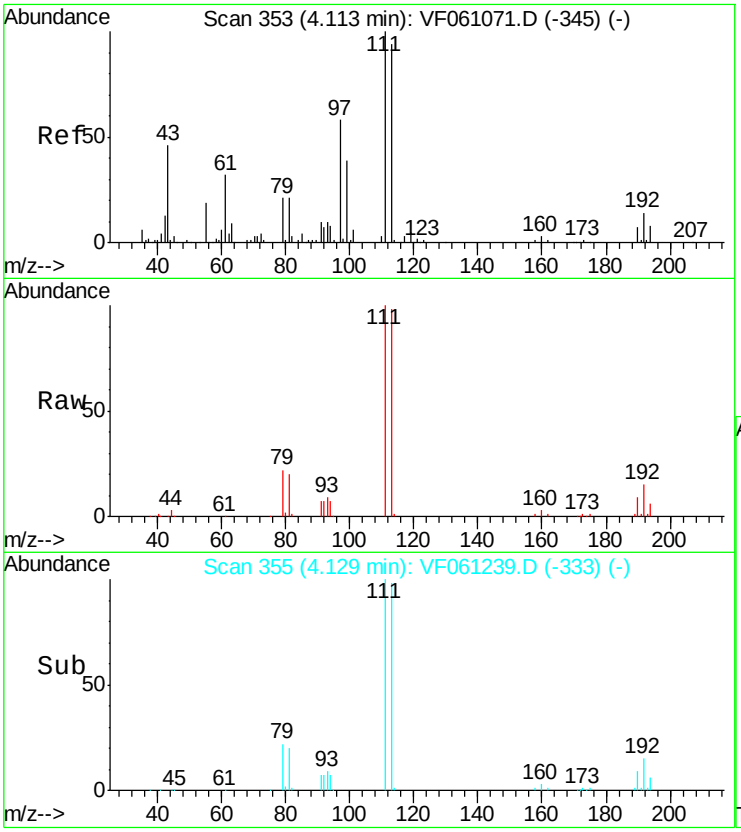


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion:114 Resp: 501926

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.6
88	20.8	0.0	38.0



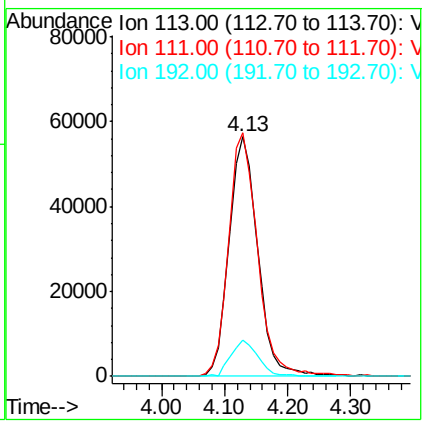


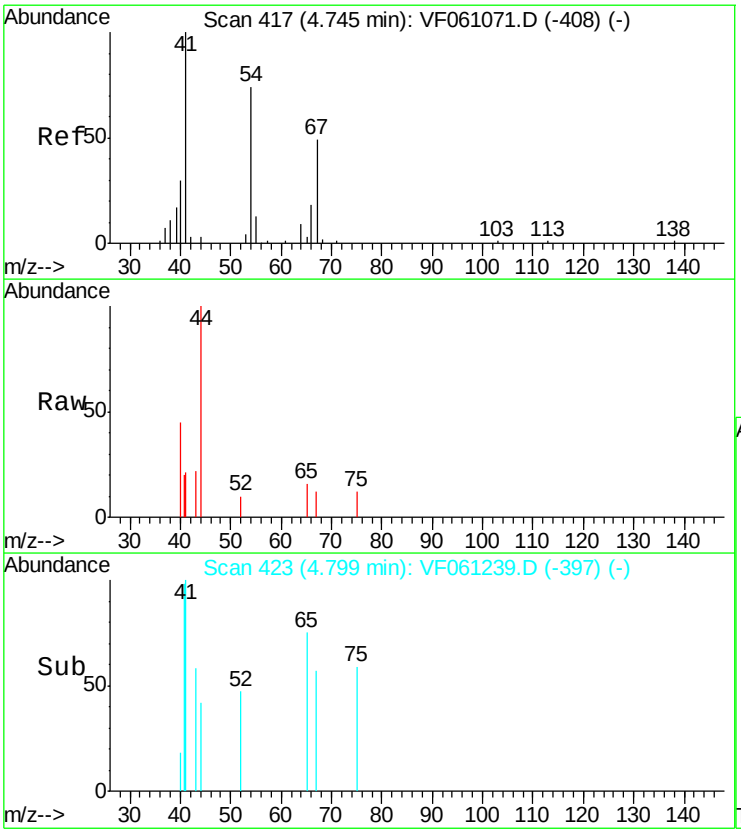
#35
Dibromofluoromethane
Concen: 44.230 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument :
MSVOA_F
ClientSampleId :
S72-0056

Tgt Ion:113 Resp: 177836

Ion	Ratio	Lower	Upper
113	100		
111	101.7	85.2	127.8
192	15.2	12.8	19.2

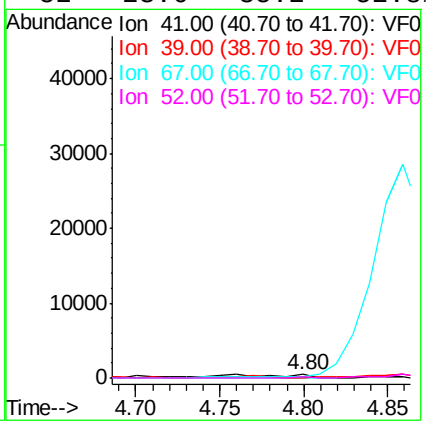


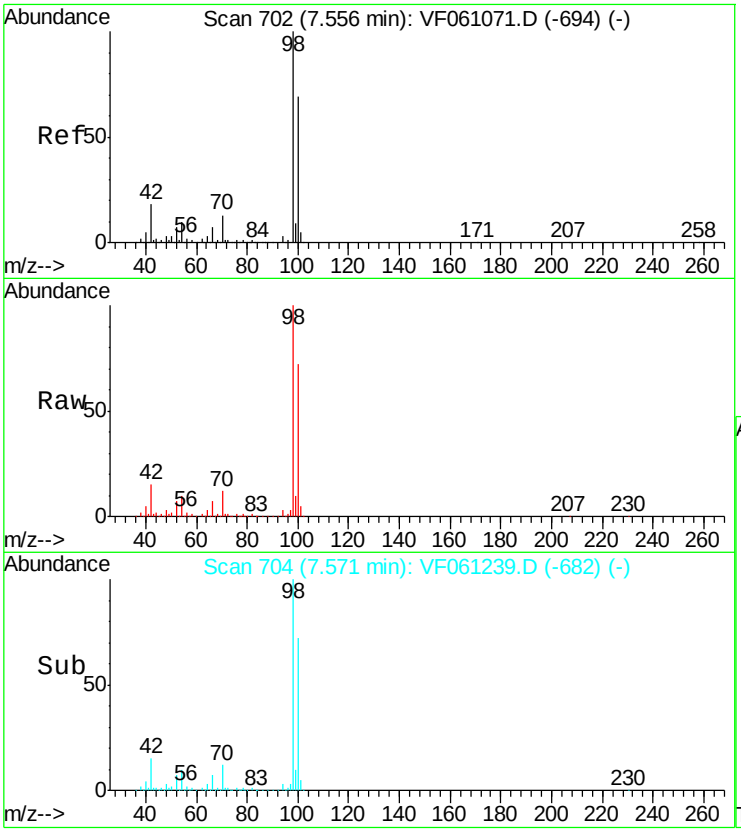


#41
Methacrylonitrile
Concen: 1.086 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.05 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion: 41 Resp: 1389

Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.7	68.5#
67	28.7	38.9	58.3#
52	23.6	35.2	52.8#



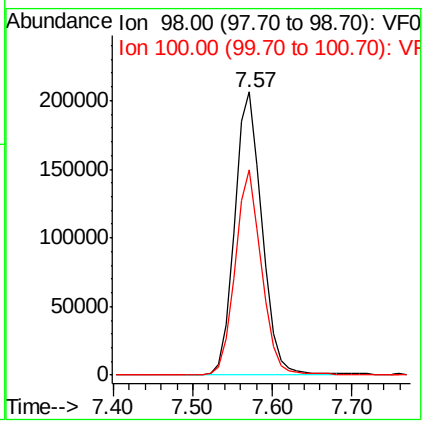


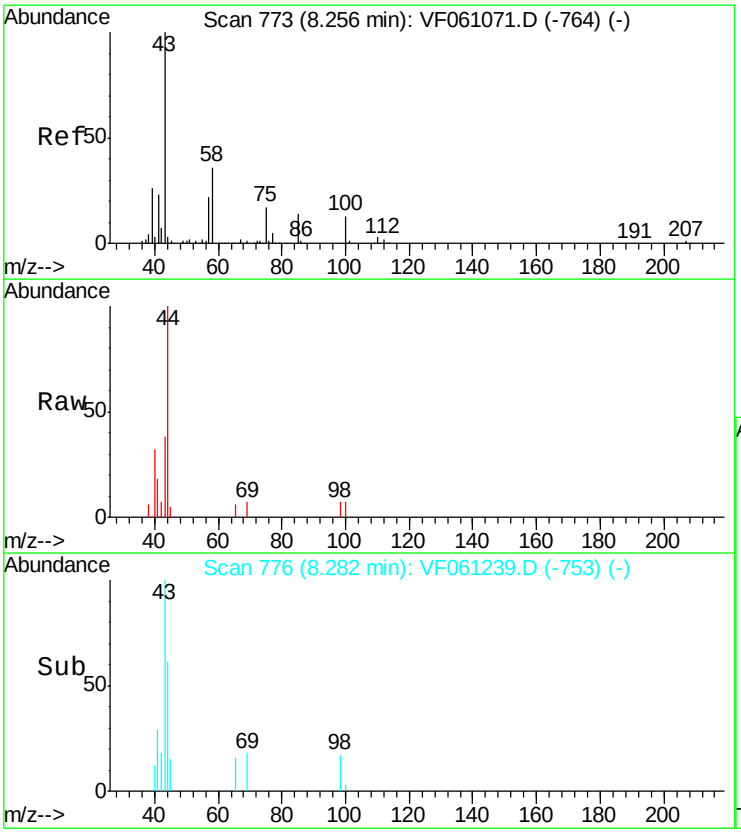
#50
Toluene-d8
Concen: 43.039 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument : MSVOA_F
ClientSampleId : S72-0056

Tgt Ion: 98 Resp: 490396

Ion	Ratio	Lower	Upper
98	100		
100	72.4	55.3	82.9

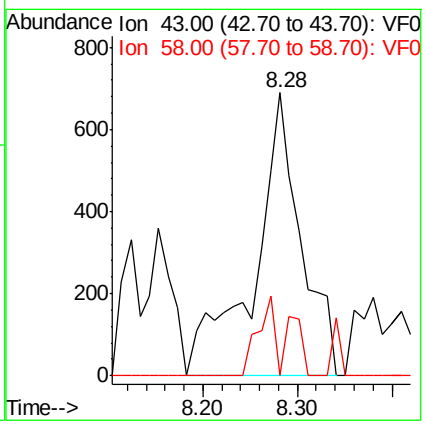


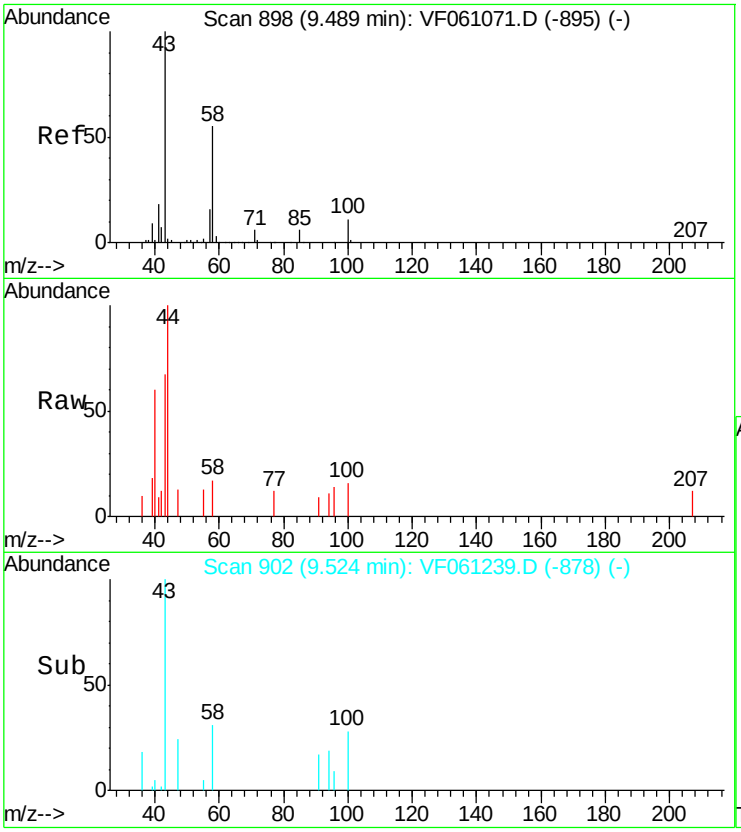


#51
4-Methyl-2-Pentanone
Concen: 1.178 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.03 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion: 43 Resp: 2363

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#



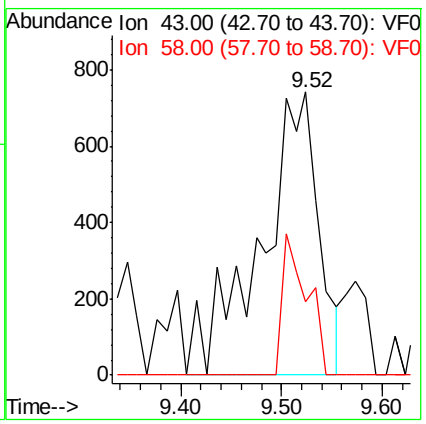


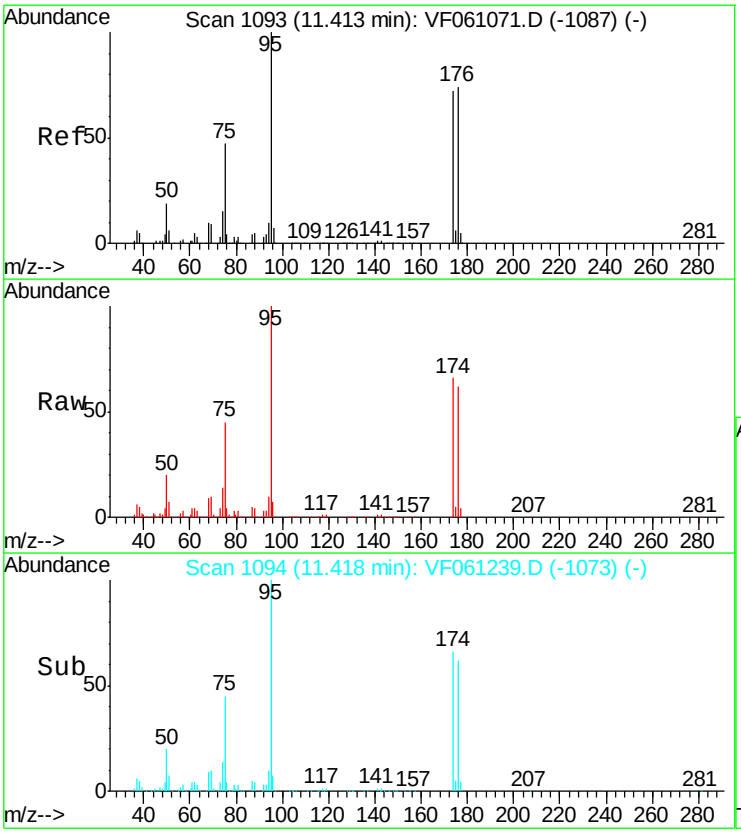
#59
2-Hexanone
Concen: 2.059 ug/l
RT: 9.52 min Scan# 902
Delta R.T. 0.04 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument :
MSVOA_F
ClientSampleId :
S72-0056

Tgt Ion: 43 Resp: 2988

Ion	Ratio	Lower	Upper
43	100		
58	25.9	25.1	75.2

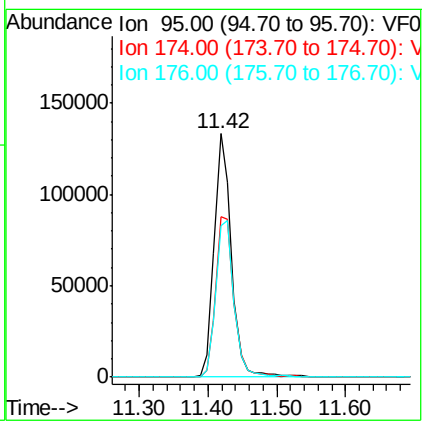


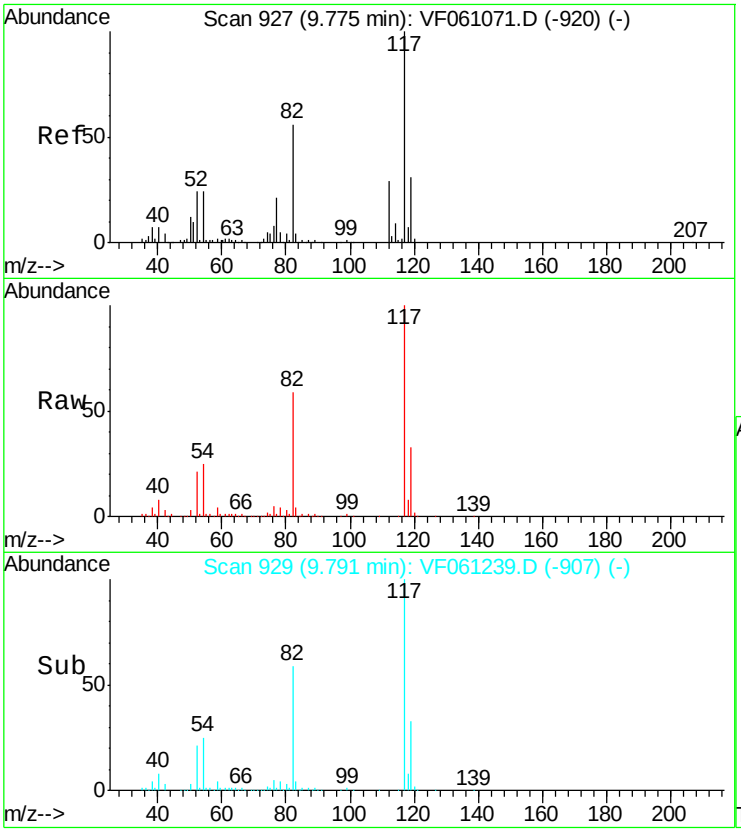


#62
4-Bromofluorobenzene
Concen: 44.010 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion: 95 Resp: 231181

Ion	Ratio	Lower	Upper
95	100		
174	65.9	0.0	143.8
176	62.0	0.0	147.6



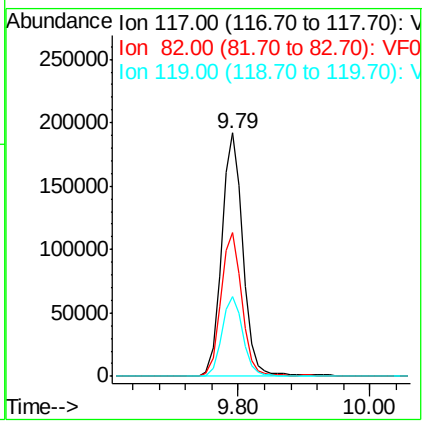


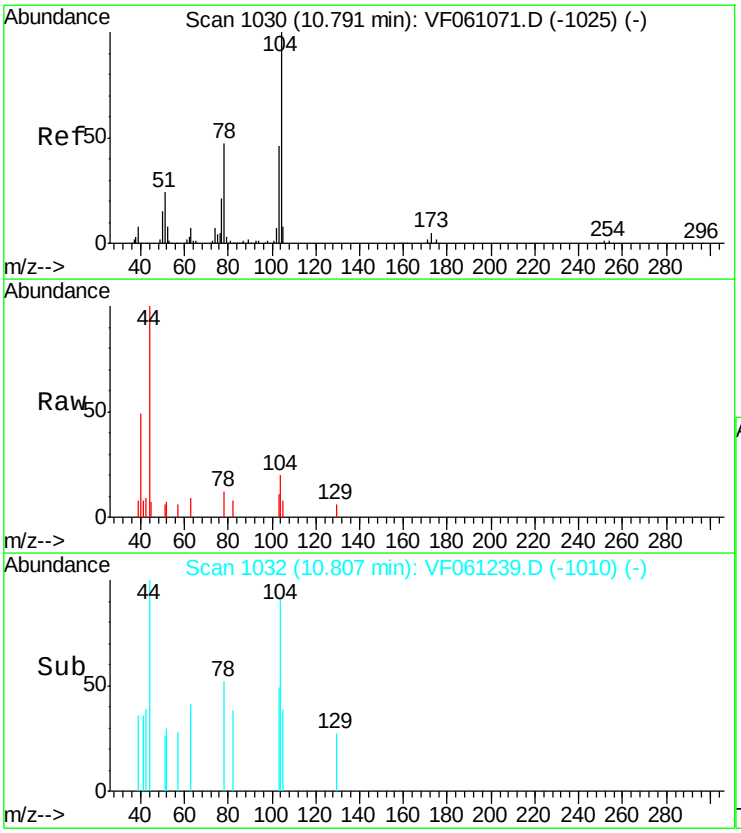
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument :
MSVOA_F
ClientSampleId :
S72-0056

Tgt Ion:117 Resp: 435477

Ion	Ratio	Lower	Upper
117	100		
82	59.1	45.0	67.4
119	32.9	24.8	37.2

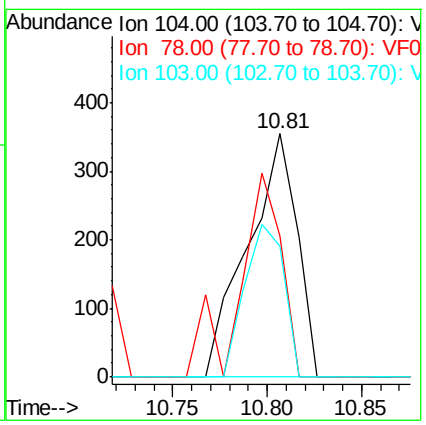


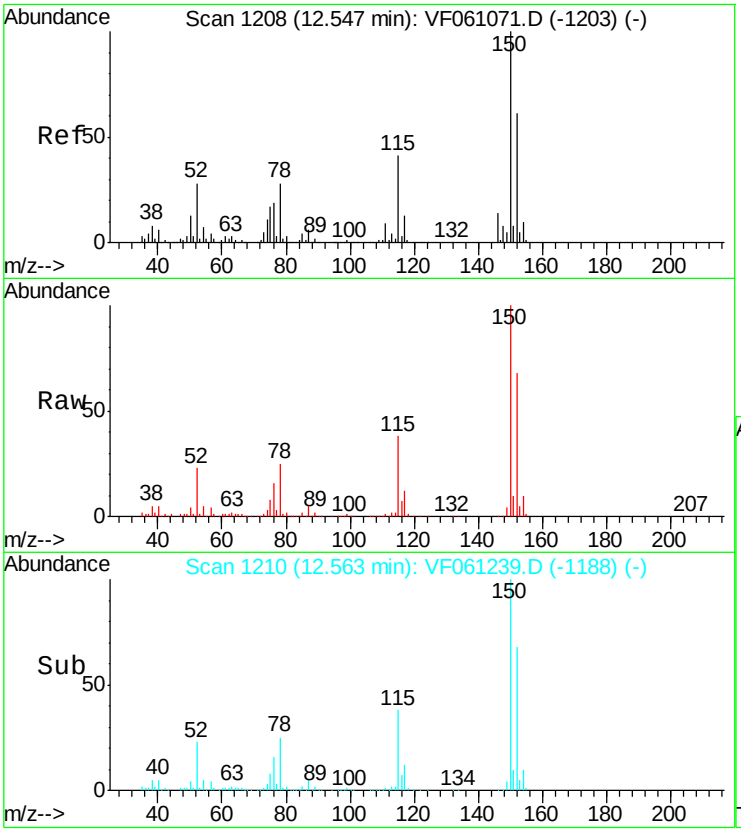


#70
Styrene
Concen: Below Cal
RT: 10.81 min Scan# 1032
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion:104 Resp: 640

Ion	Ratio	Lower	Upper
104	100		
78	57.7	38.4	57.6#
103	53.8	37.0	55.6



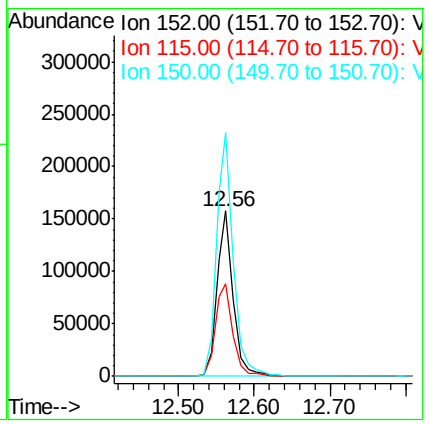


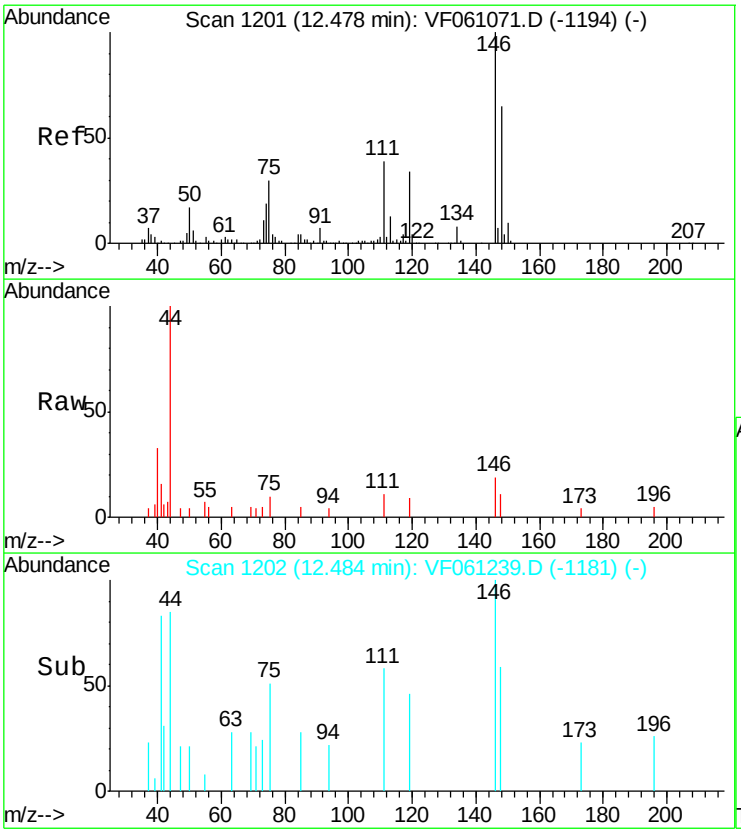
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Instrument : MSVOA_F
ClientSampleId : S72-0056

Tgt Ion:152 Resp: 237286

Ion	Ratio	Lower	Upper
152	100		
115	56.1	33.3	99.9
150	147.5	0.0	328.2





#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.48 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VF061239.D
Acq: 28 Dec 2018 16:46

Tgt Ion:146 Resp: 715

Ion	Ratio	Lower	Upper
146	100		
111	58.4	19.3	57.9#
148	58.6	32.4	97.2