Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111218\

Quantitation Report (Not Reviewed)

Data File : VF060694.D
Acq On : 12 Nov 2018 20:00
Operator : VA/AP
Sample : J5892-01RE
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : PN-STONE

Quant Time: Nov 13 04:18:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	210156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	364101	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	328196	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	199459	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	110183	51.89	ug/l	-0.01
Spiked Amount 50.000			Recovery = 103.78%			
35) Dibromofluoromethane	4.11	113	133810	47.57	ug/l	0.00
Spiked Amount 50.000			Recovery = 95.14%			
50) Toluene-d8	7.55	98	315814	37.90	ug/l	-0.01
Spiked Amount 50.000			Recovery = 75.80%			
62) 4-Bromofluorobenzene	11.40	95	161987	44.44	ug/l	-0.01
Spiked Amount 50.000			Recovery = 88.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	498	Below Cal	#	41
5) Bromomethane	1.33	94	1110	1.167	ug/l #	1
6) Chloroethane	1.27	64	75	Below Cal	#	40
11) Tert butyl alcohol	2.58	59	102	Below Cal	#	1
13) Acrolein	2.11	56	455	Below Cal		85
15) Acrylonitrile	2.94	53	760	3.003	ug/l #	57
16) Acetone	2.23	43	2476	4.949	ug/l #	79
18) Methyl Acetate	2.37	43	2529	3.702	ug/l #	64
20) Methylene Chloride	2.17	84	3695	Below Cal	#	89
25) 2-Butanone	4.32	43	356	Below Cal	#	56
29) Tetrahydrofuran	4.10	42	540	Below Cal	#	46
49) 1,4-Dioxane	7.11	88	137	8.560	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	2391	1.461	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.56	63	109	Below Cal		100
59) 2-Hexanone	9.48	43	2391	Below Cal		77
74) N-amyl acetate	11.38	43	1374	Below Cal	#	92
89) n-Butylbenzene	12.84	91	1158	Below Cal		79

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

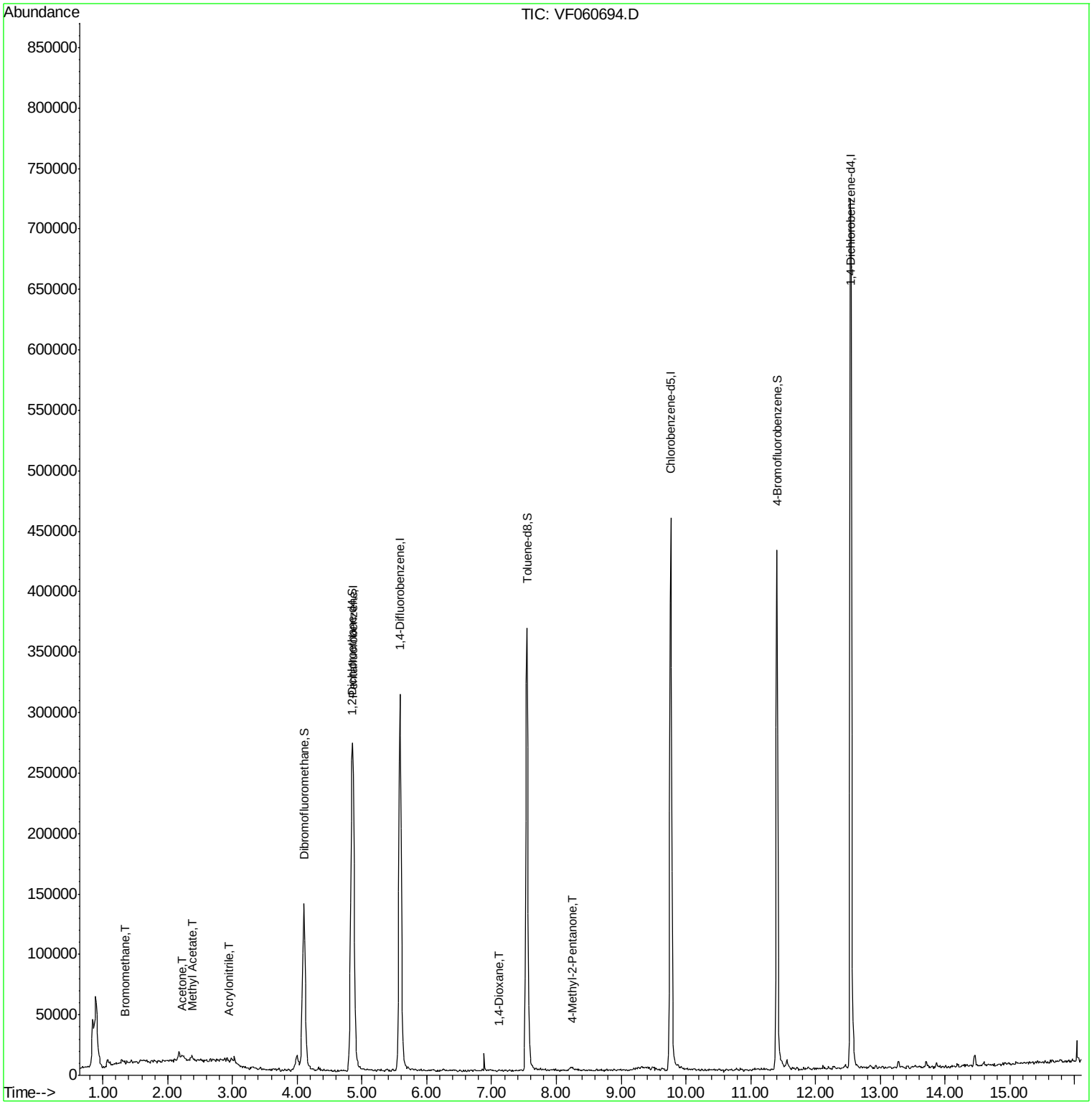
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111218\

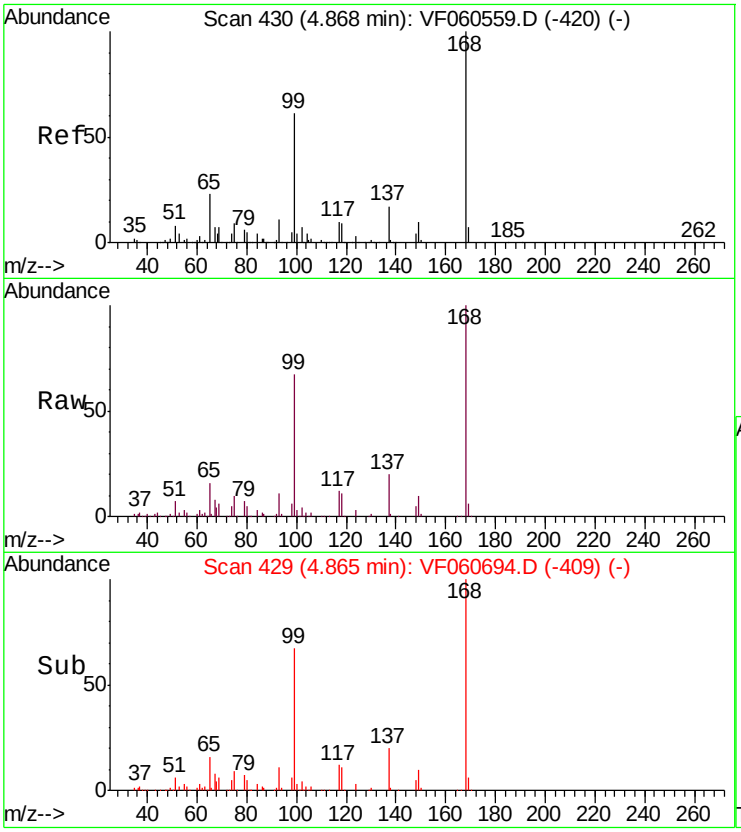
Quantitation Report (Not Reviewed)

Data File : VF060694.D
Acq On : 12 Nov 2018 20:00
Operator : VA/AP
Sample : J5892-01RE
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Quant Time: Nov 13 04:18:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration



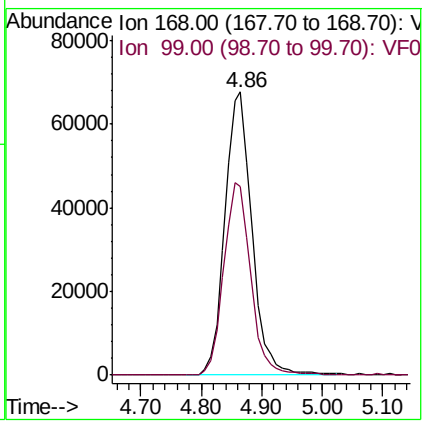


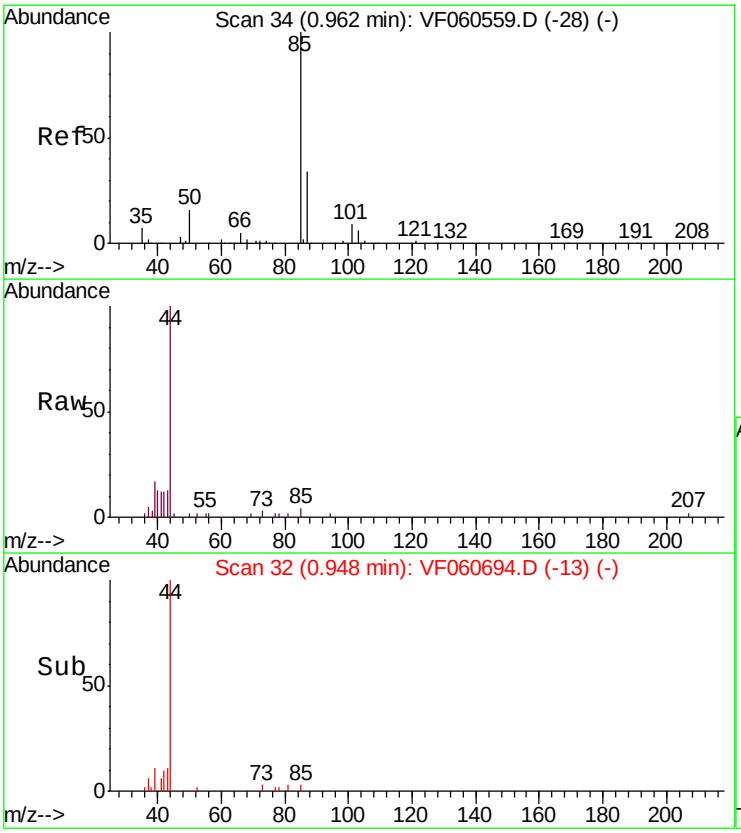
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.00 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion:168 Resp: 210156

Ion	Ratio	Lower	Upper
168	100		
99	66.7	48.6	72.8

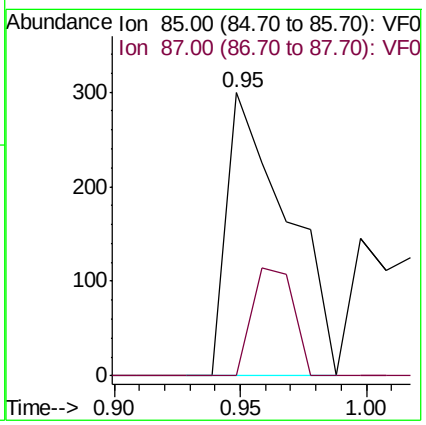


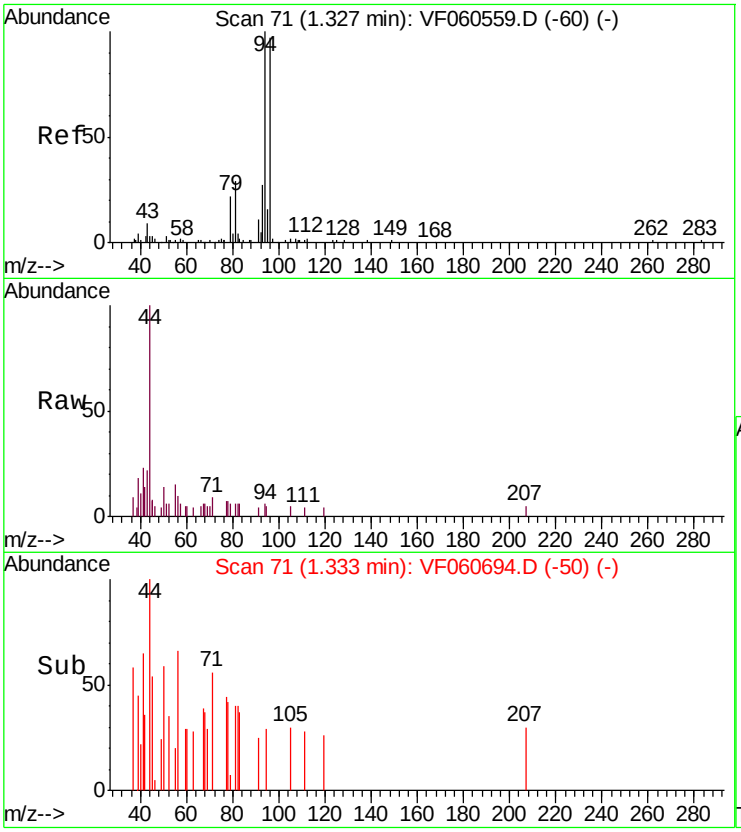


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 0.95 min Scan# 32
Delta R.T. -0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 85 Resp: 498

Ion	Ratio	Lower	Upper
85	100		
87	0.0	16.9	50.7#



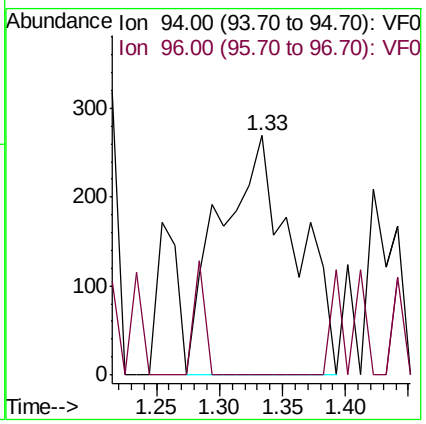


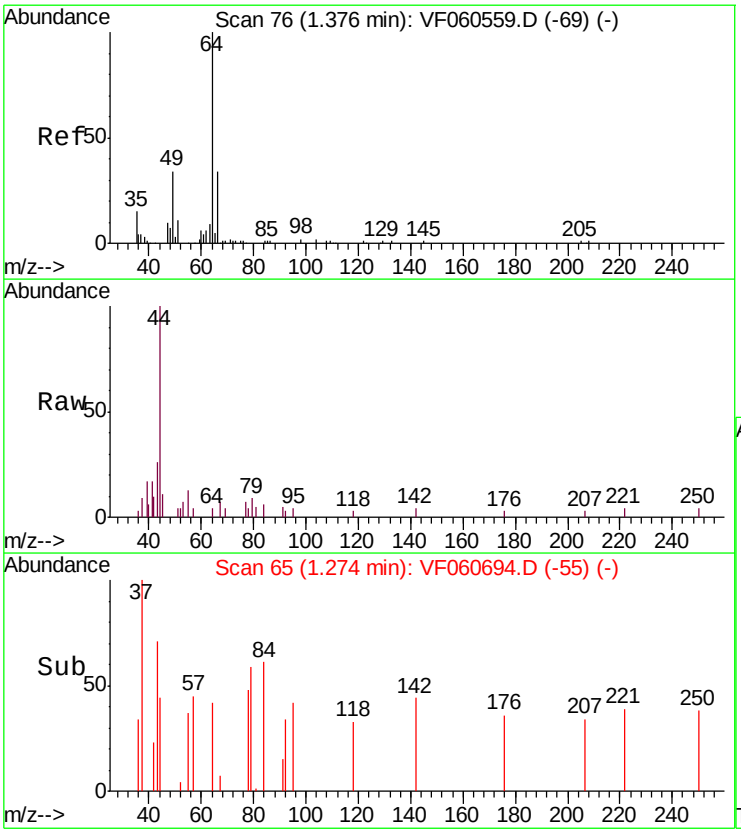
#5
Bromomethane
Concen: 1.167 ug/l
RT: 1.33 min Scan# 71
Delta R.T. 0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion: 94 Resp: 1110

Ion	Ratio	Lower	Upper
94	100		
96	0.0	77.9	116.9#

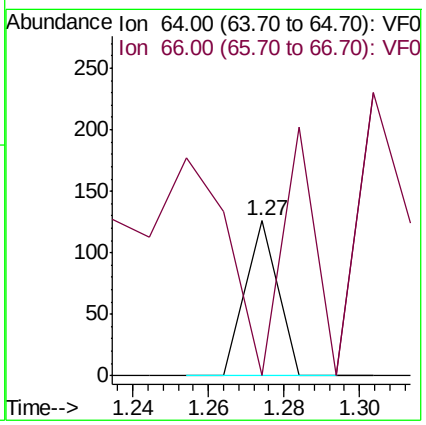


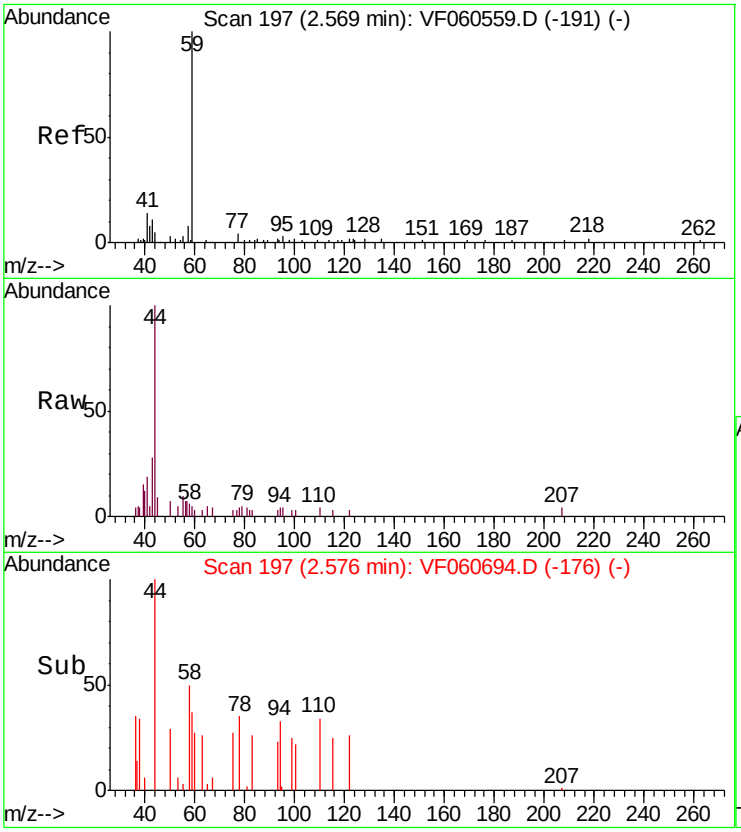


#6
Chloroethane
Concen: Below Cal
RT: 1.27 min Scan# 65
Delta R.T. -0.10 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 64 Resp: 75

Ion	Ratio	Lower	Upper
64	100		
66	0.0	27.8	41.8#



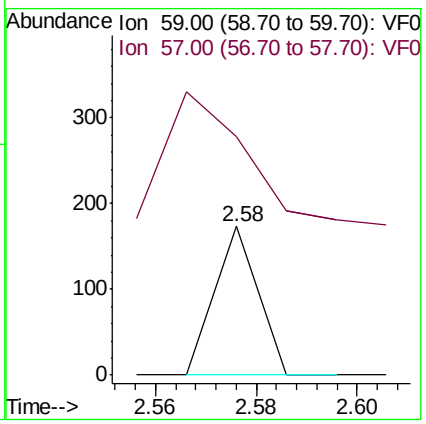


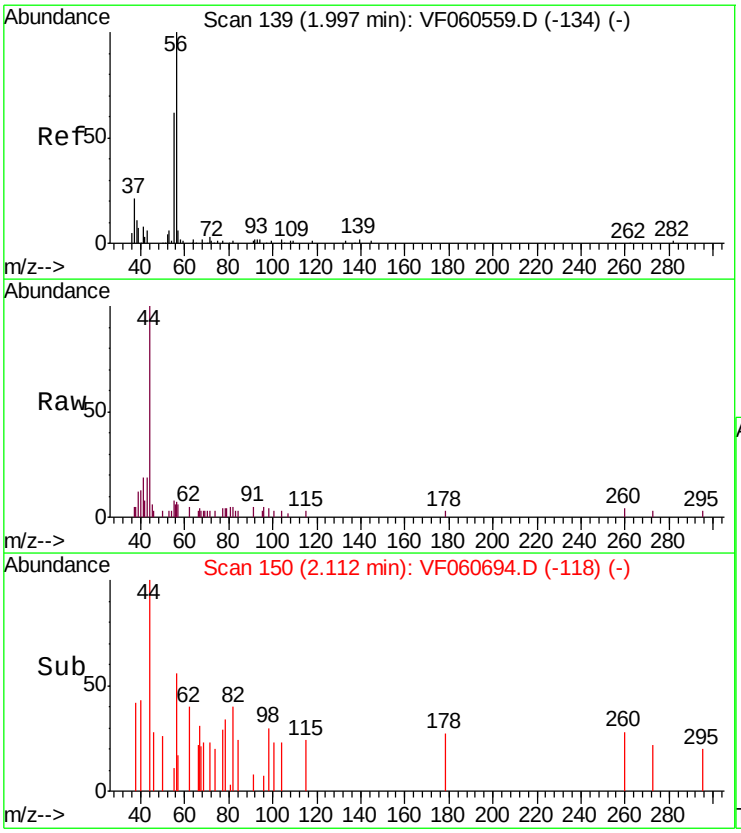
#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion: 59 Resp: 102

Ion	Ratio	Lower	Upper
59	100		
57	160.7	19.0	28.4#

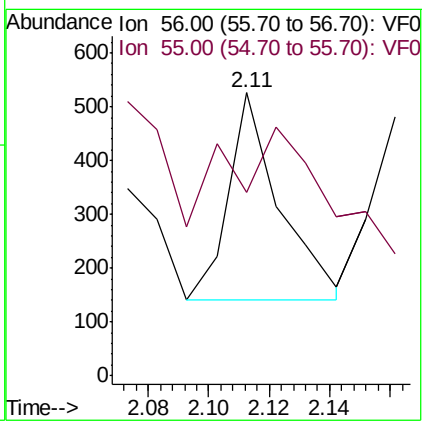


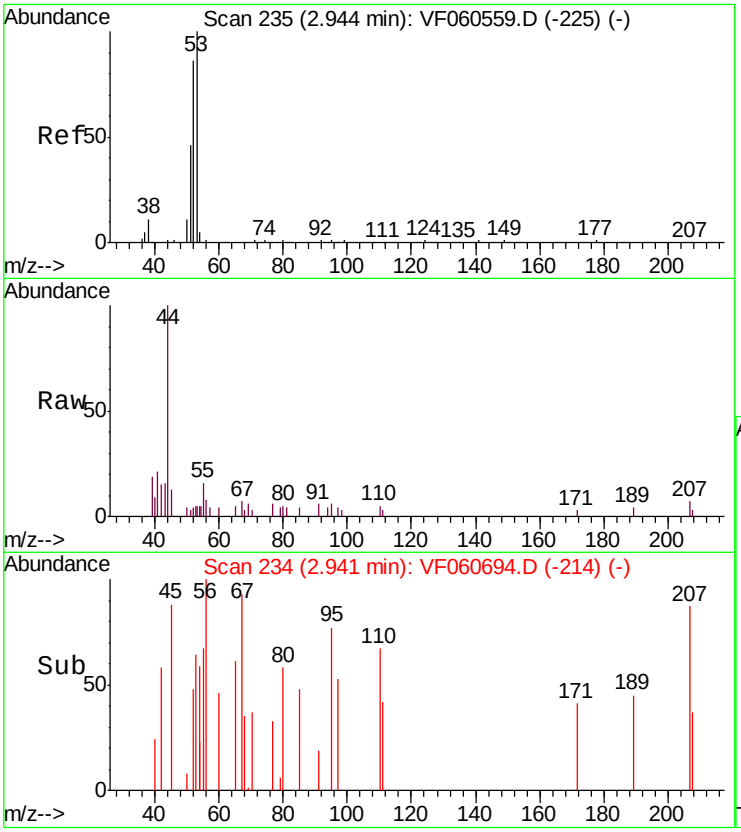


#13
Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 150
Delta R.T. 0.12 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 56 Resp: 455

Ion	Ratio	Lower	Upper
56	100		
55	64.6	61.8	92.6



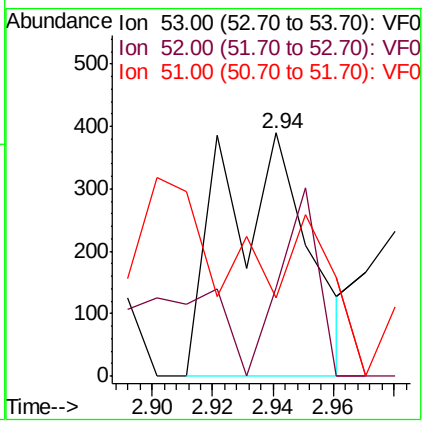


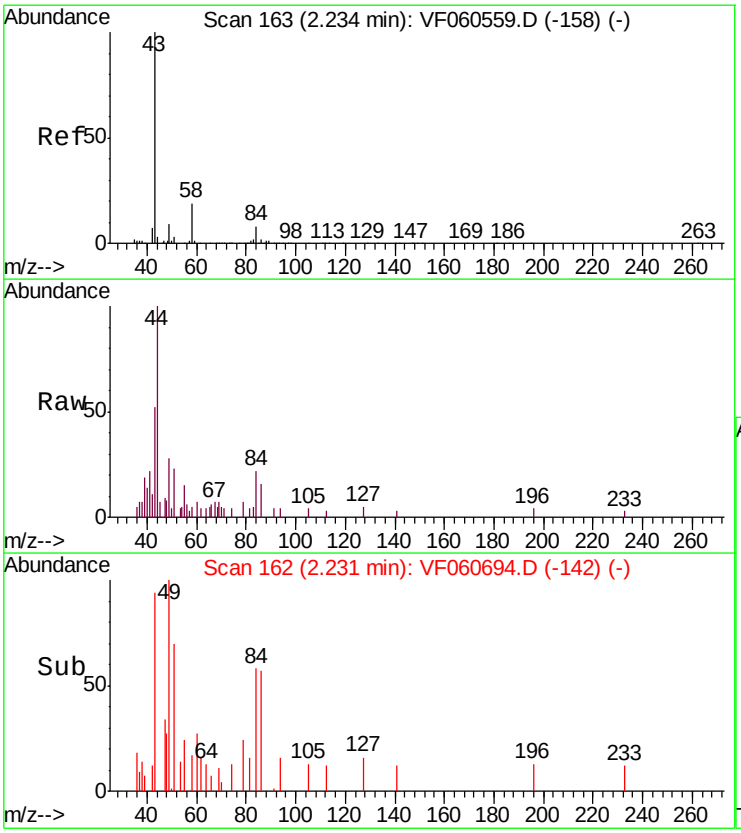
#15
Acrylonitrile
Concen: 3.003 ug/l
RT: 2.94 min Scan# 234
Delta R.T. -0.00 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion: 53 Resp: 760

Ion	Ratio	Lower	Upper
53	100		
52	36.4	68.5	102.7#
51	32.3	38.2	57.2#

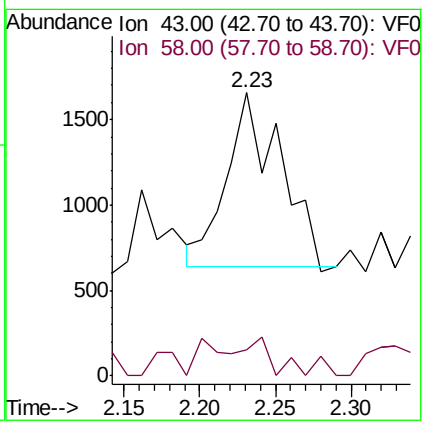


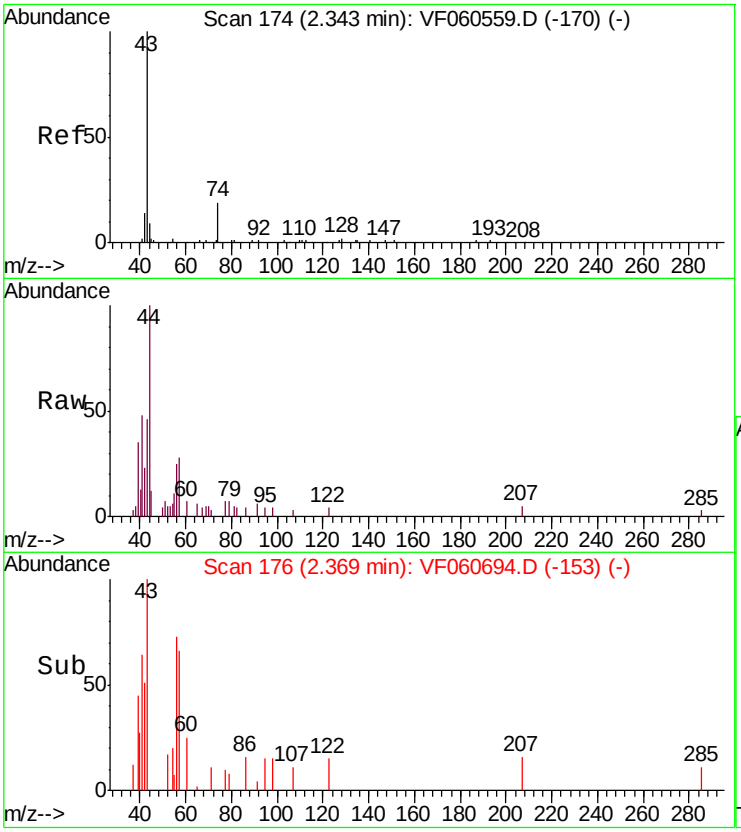


#16
Acetone
Concen: 4.949 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.00 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 43 Resp: 2476

Ion	Ratio	Lower	Upper
43	100		
58	9.1	14.6	22.0#



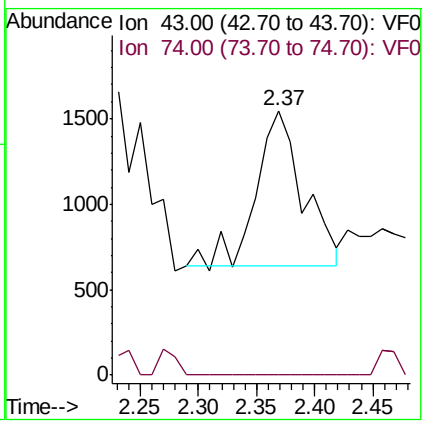


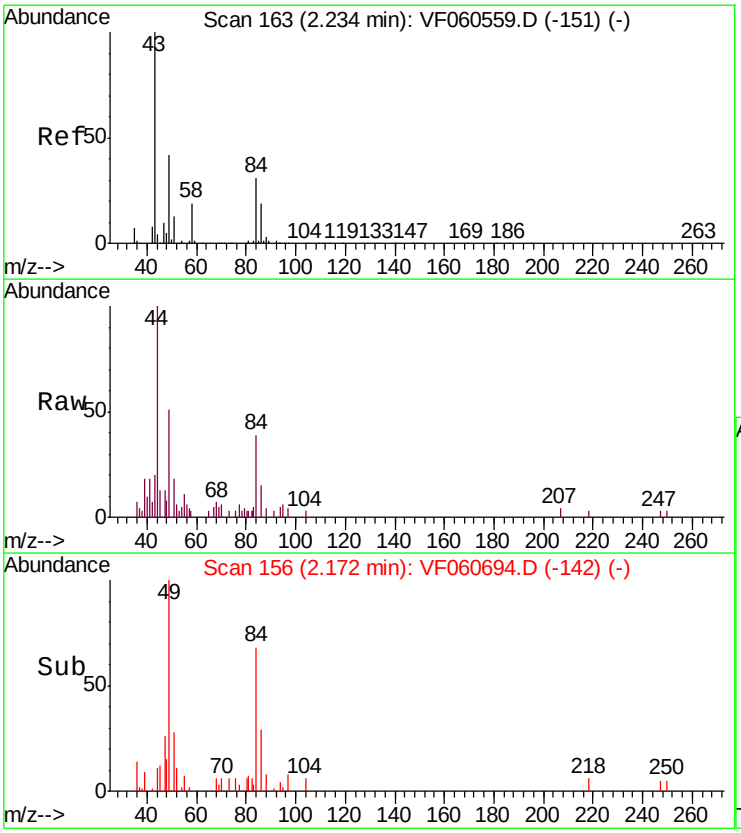
#18
Methyl Acetate
Concen: 3.702 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion: 43 Resp: 2529

Ion	Ratio	Lower	Upper
43	100		
74	0.0	12.1	18.1#

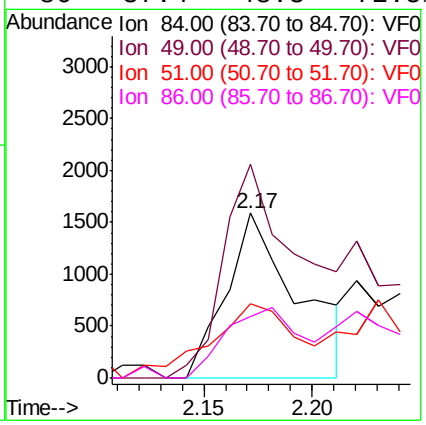


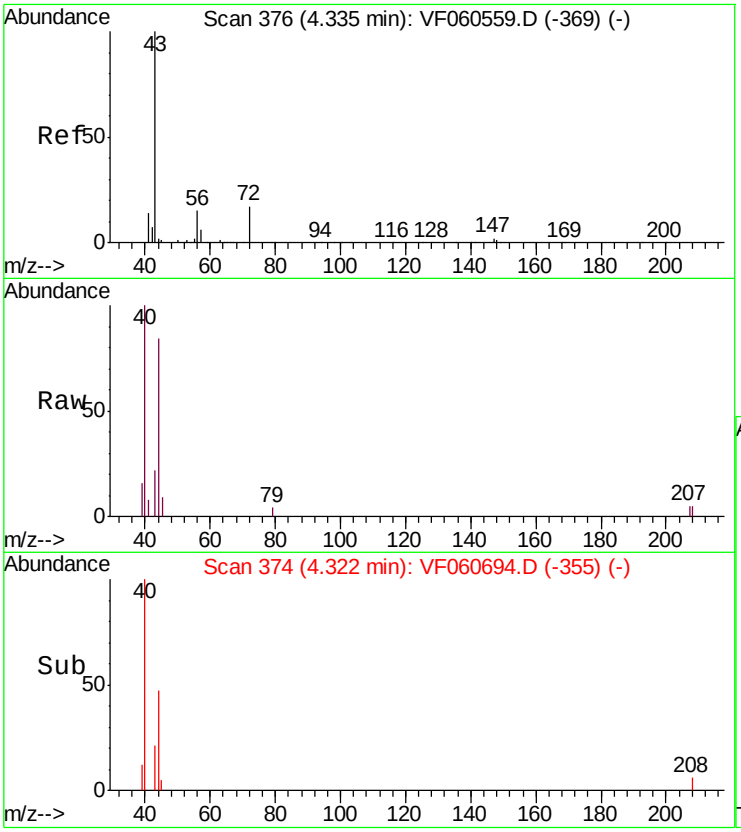


#20
Methylene Chloride
Concen: Below Cal
RT: 2.17 min Scan# 156
Delta R.T. -0.06 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 84 Resp: 3695

Ion	Ratio	Lower	Upper
84	100		
49	129.7	109.9	164.9
51	44.8	35.8	53.8
86	37.4	48.3	72.5#



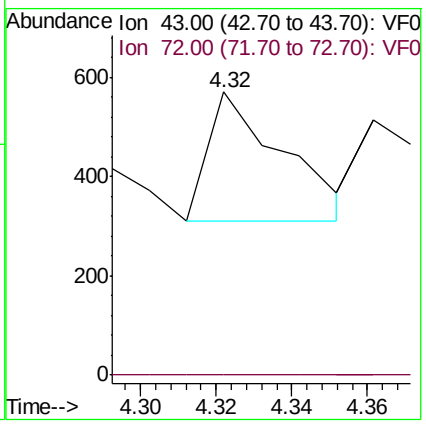


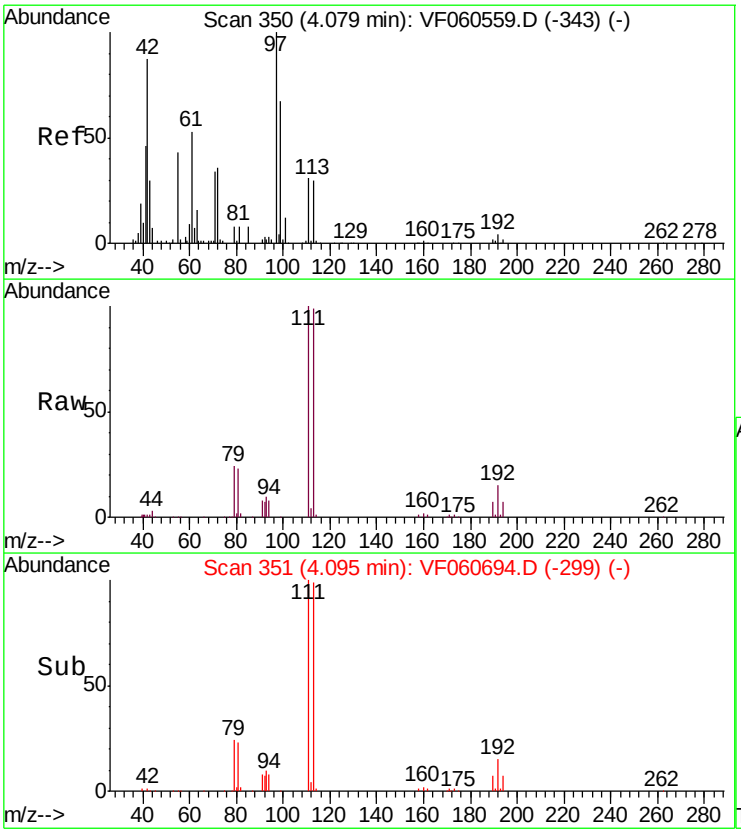
#25
2-Butanone
Concen: Below Cal
RT: 4.32 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion: 43 Resp: 356

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.2#

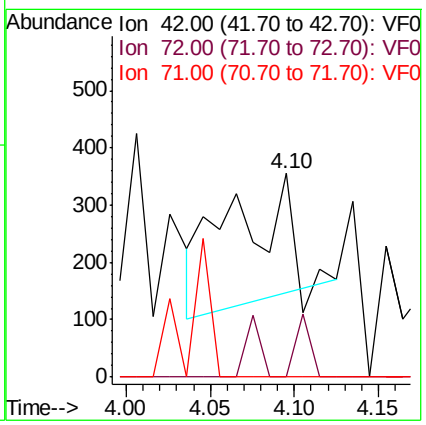


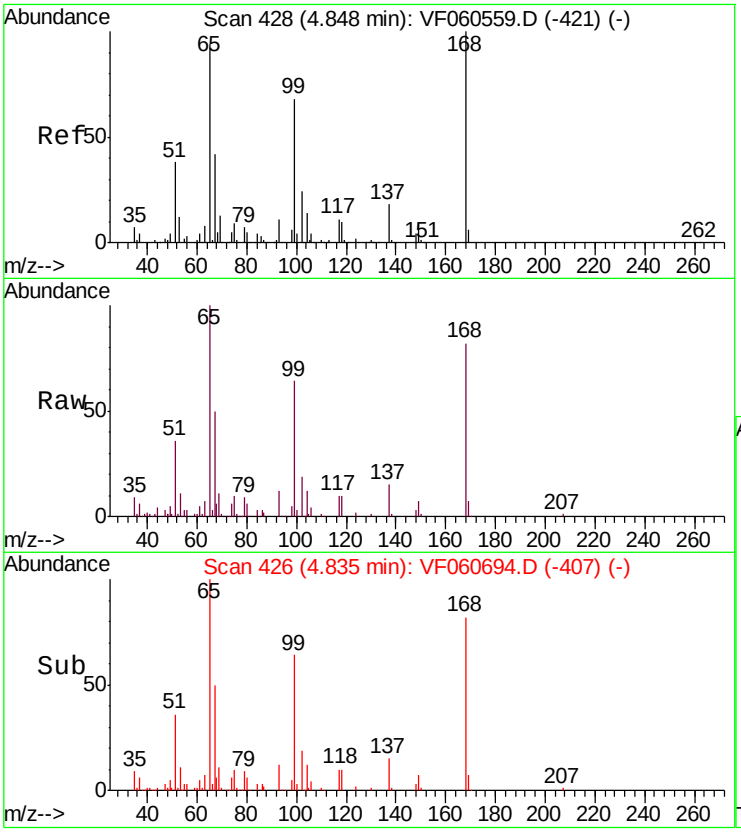


#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.10 min Scan# 351
Delta R.T. 0.02 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 42 Resp: 540

Ion	Ratio	Lower	Upper
42	100		
72	12.2	31.4	47.0#
71	0.0	31.8	47.6#



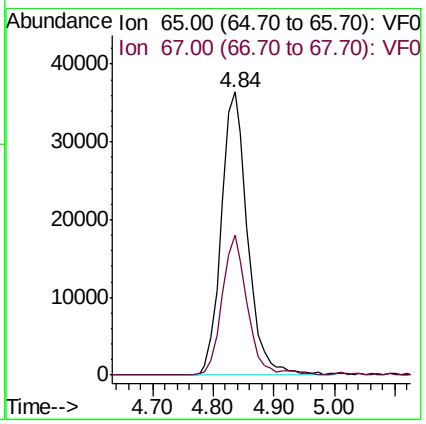


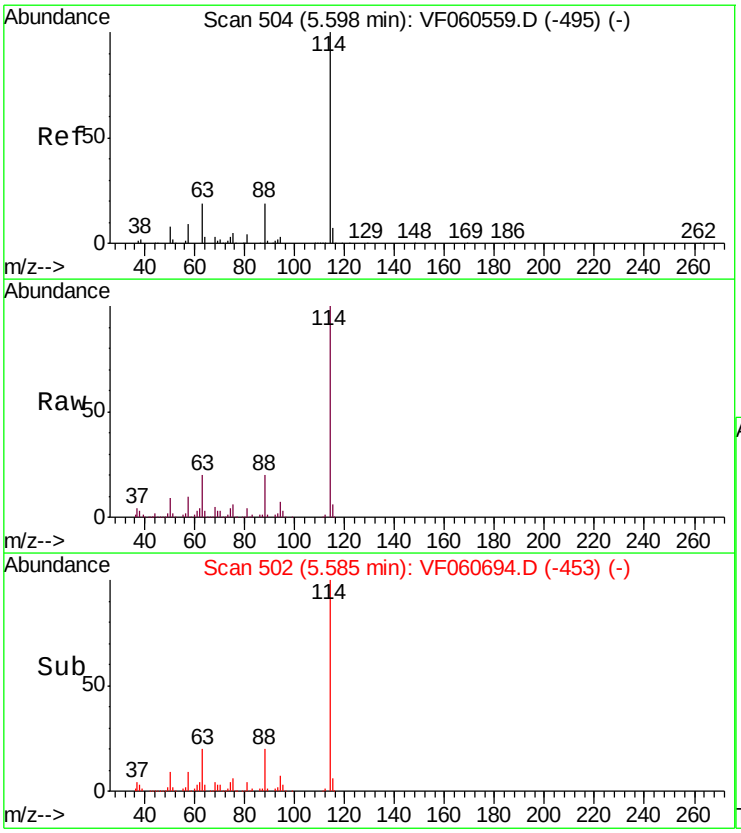
#33
1,2-Dichloroethane-d4
Concen: 51.891 ug/l
RT: 4.84 min Scan# 426
Delta R.T. -0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion: 65 Resp: 110183

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	101.8

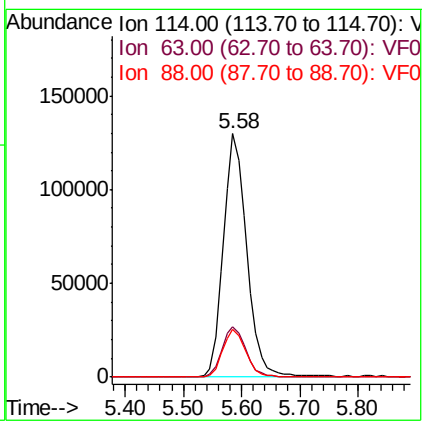


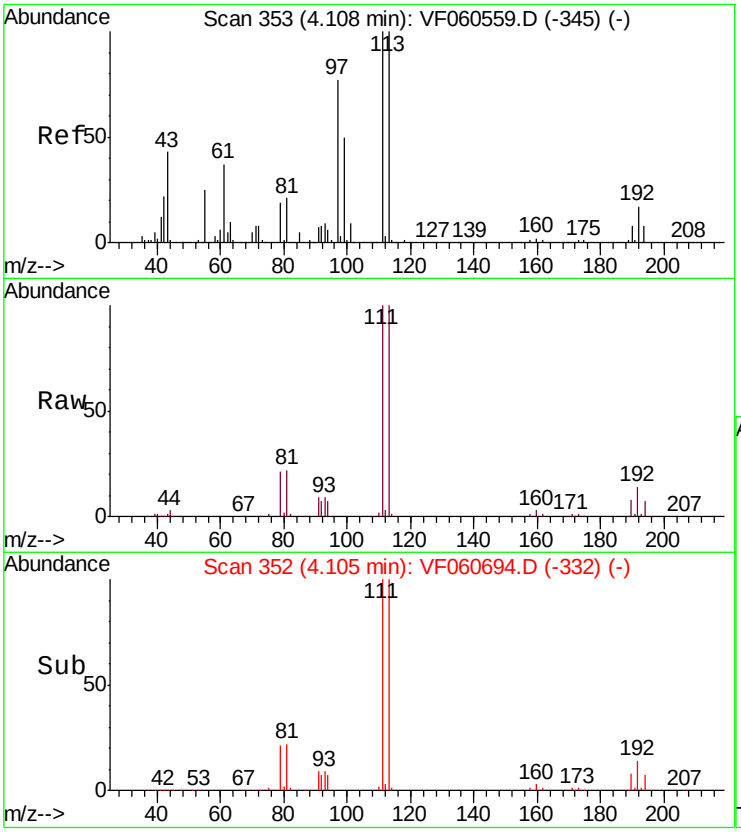


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion:114 Resp: 364101

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.0
88	19.5	0.0	38.2



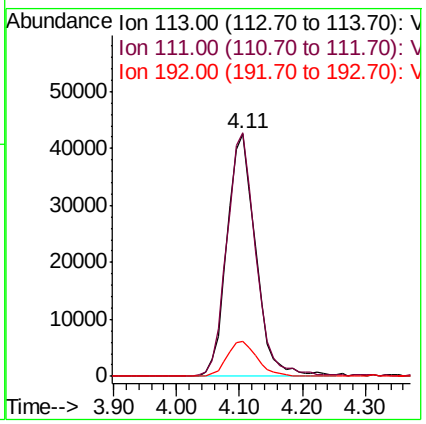


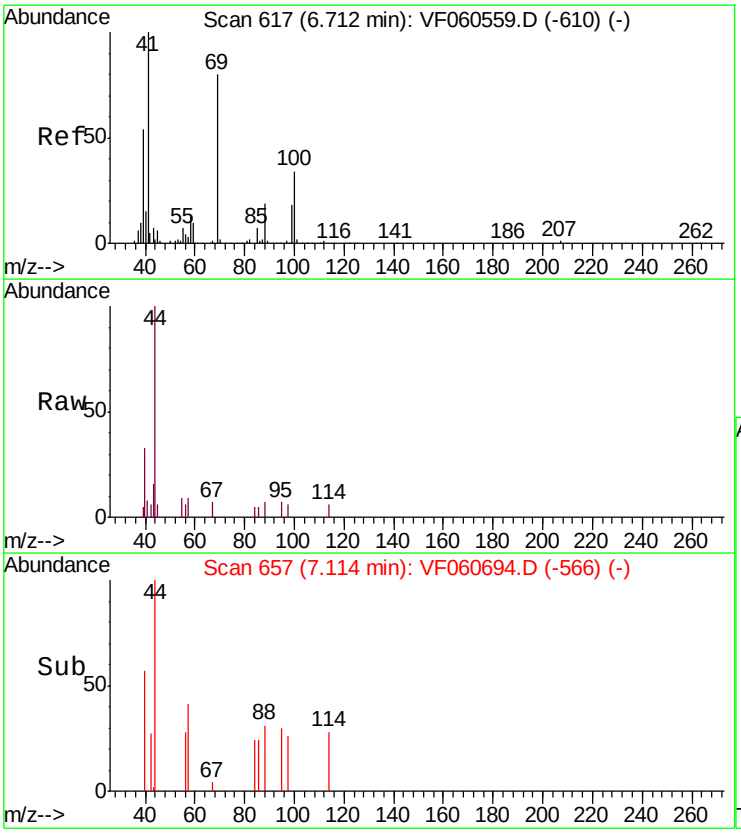
#35
Dibromofluoromethane
Concen: 47.568 ug/l
RT: 4.11 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion:113 Resp: 133810

Ion	Ratio	Lower	Upper
113	100		
111	100.3	79.9	119.9
192	14.2	13.3	19.9

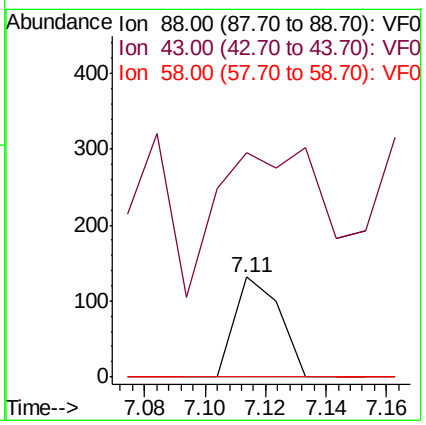


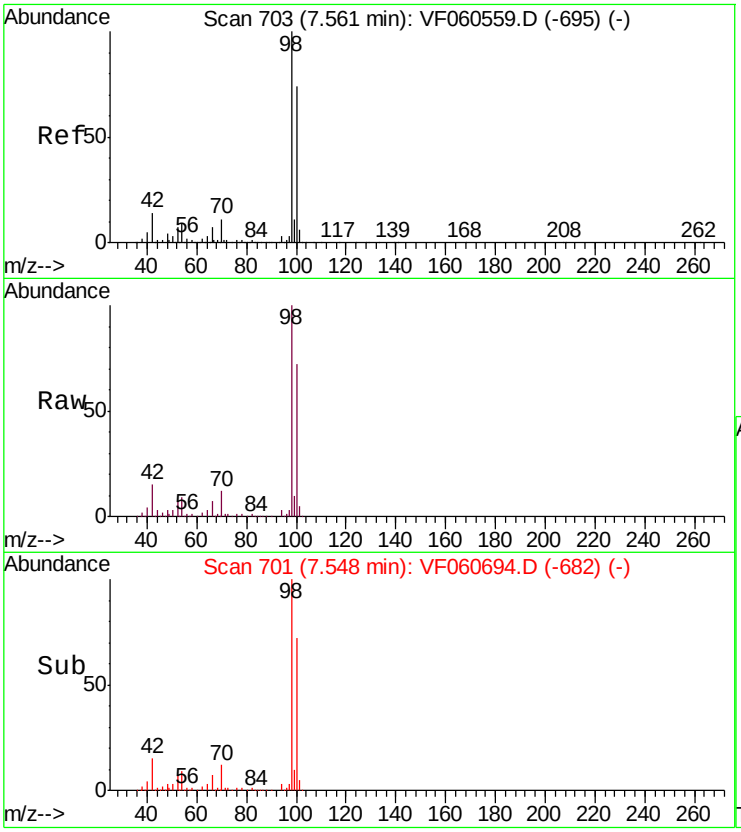


#49
1,4-Dioxane
Concen: 8.560 ug/l
RT: 7.11 min Scan# 657
Delta R.T. 0.40 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 88 Resp: 137

Ion	Ratio	Lower	Upper
88	100		
43	225.2	61.2	91.8#
58	0.0	56.9	85.3#



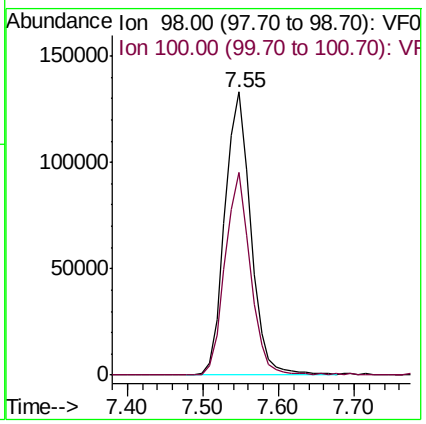


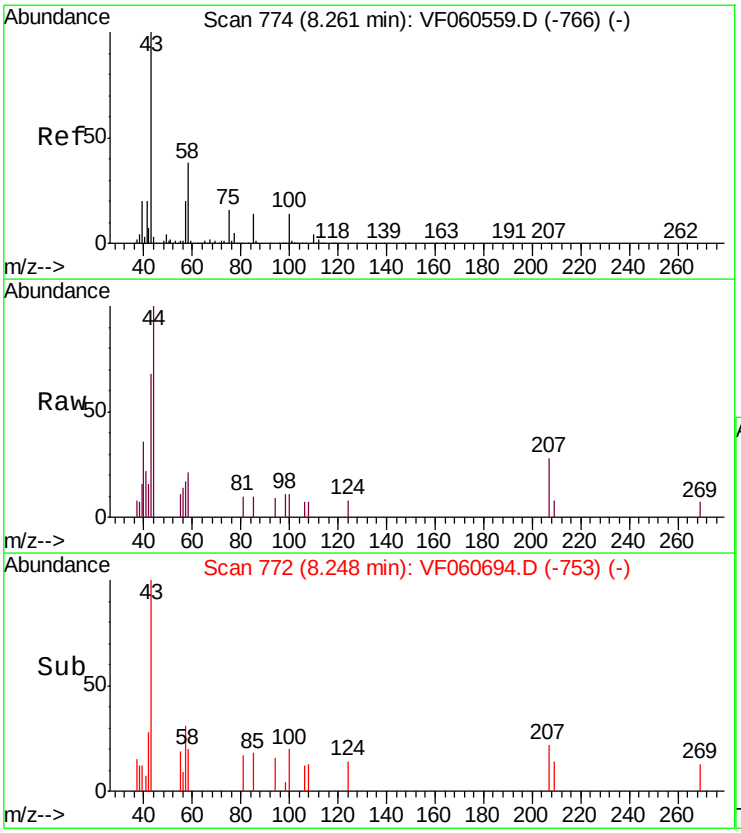
#50
Toluene-d8
Concen: 37.899 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion: 98 Resp: 315814

Ion	Ratio	Lower	Upper
98	100		
100	71.7	59.4	89.2

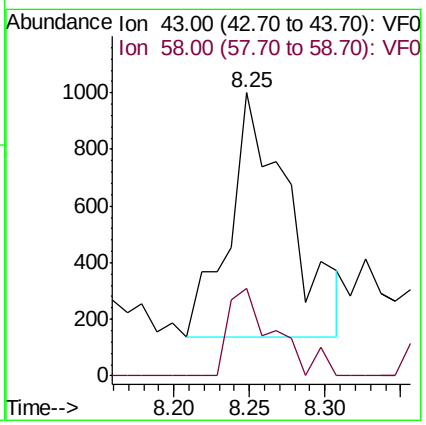


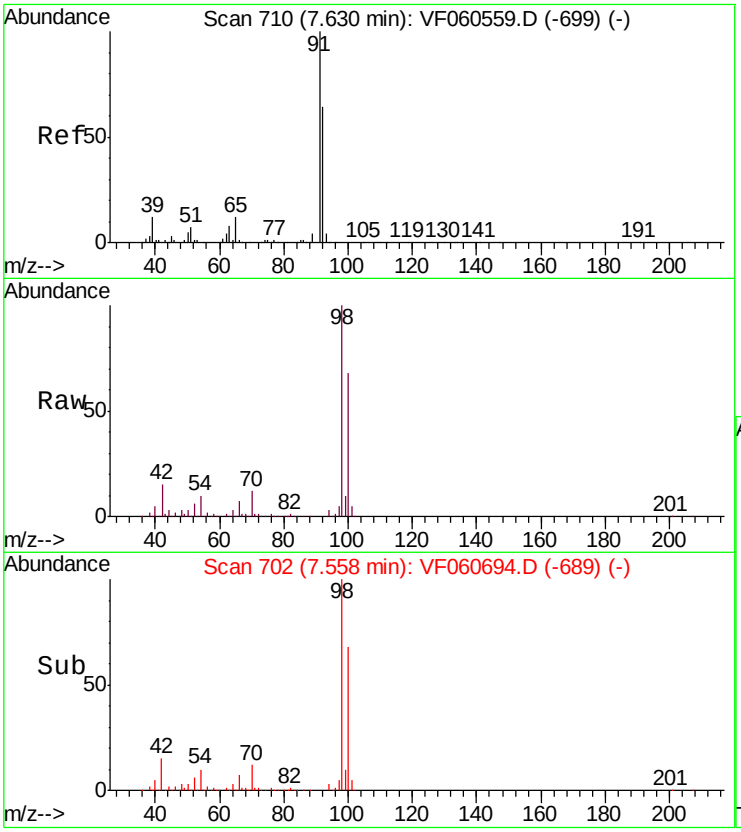


#51
4-Methyl-2-Pentanone
Concen: 1.461 ug/l
RT: 8.25 min Scan# 772
Delta R.T. -0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 43 Resp: 2391

Ion	Ratio	Lower	Upper
43	100		
58	30.8	30.1	45.1



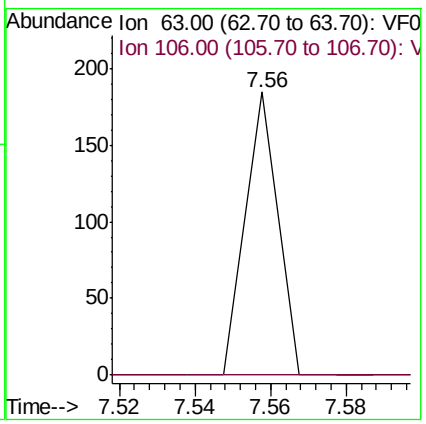


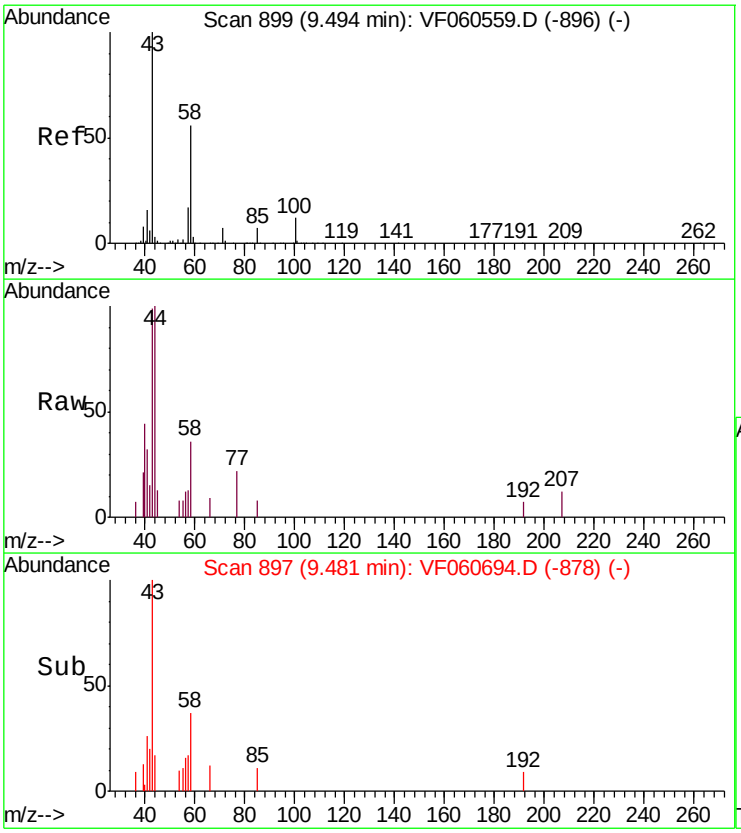
#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 7.56 min Scan# 702
Delta R.T. -0.07 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion: 63 Resp: 109

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

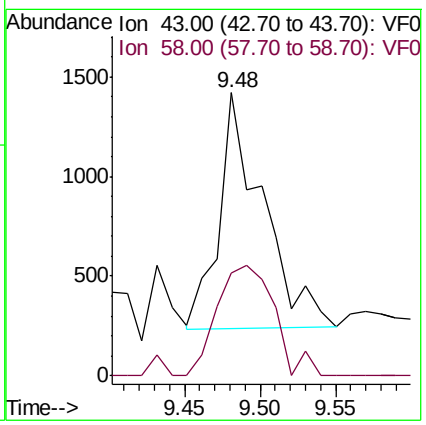


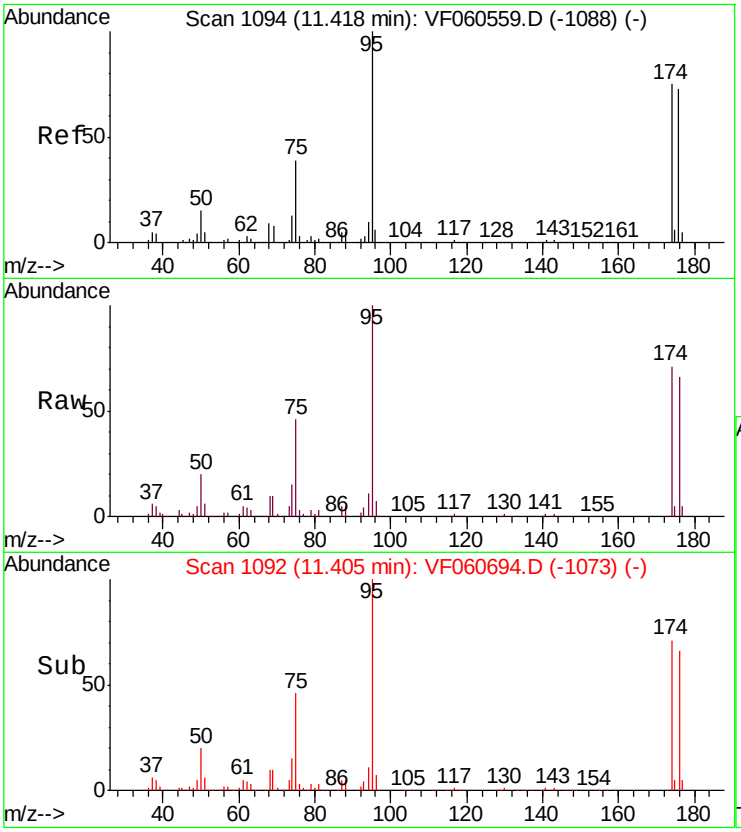


#59
2-Hexanone
Concen: Below Cal
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 43 Resp: 2391

Ion	Ratio	Lower	Upper
43	100		
58	36.1	26.1	78.3



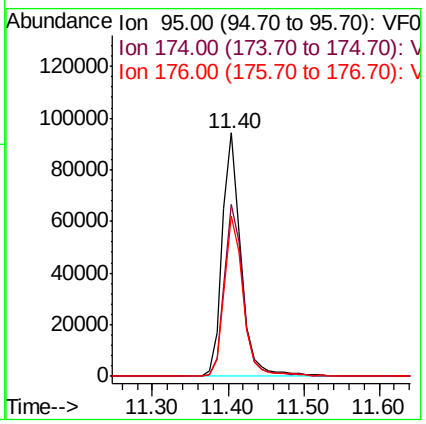


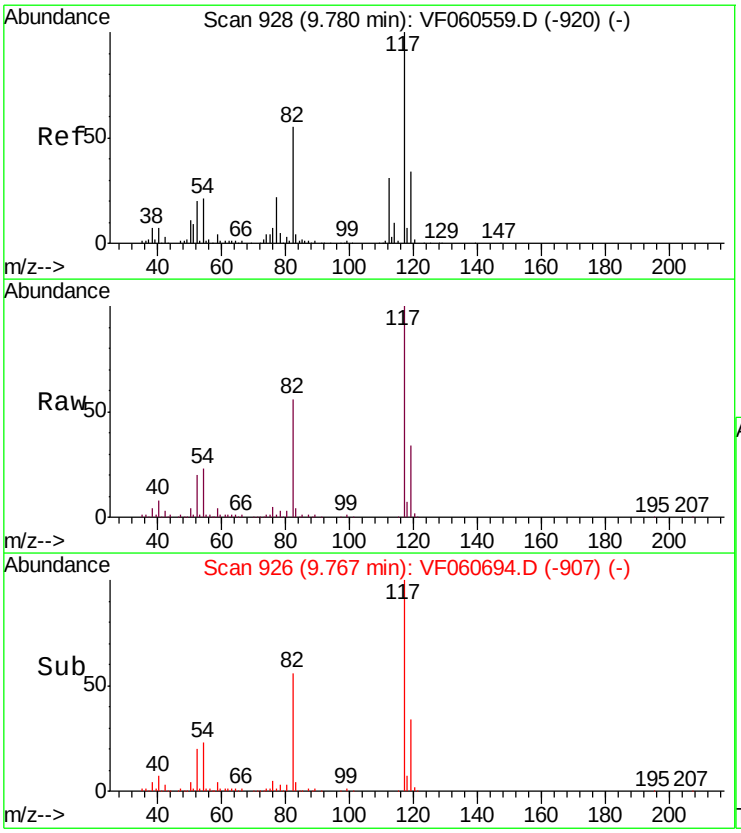
#62
4-Bromofluorobenzene
Concen: 44.441 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion: 95 Resp: 161987

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	149.0
176	66.0	0.0	145.6

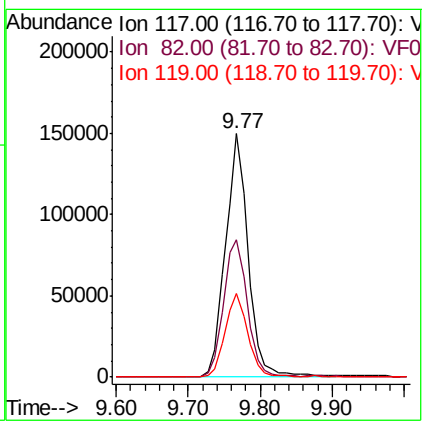


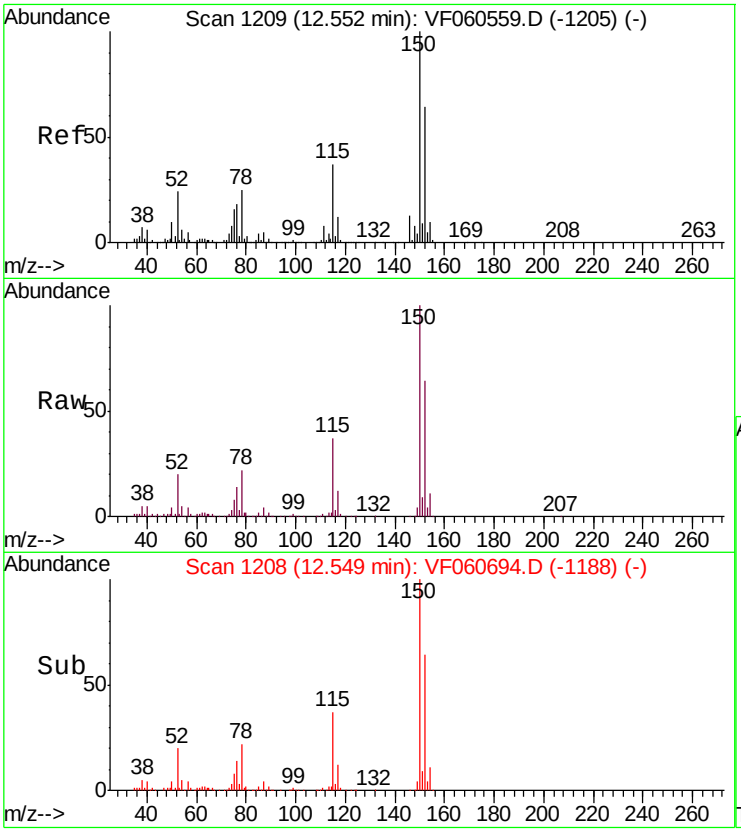


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion:117 Resp: 328196

Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.9	65.9
119	34.4	27.4	41.0



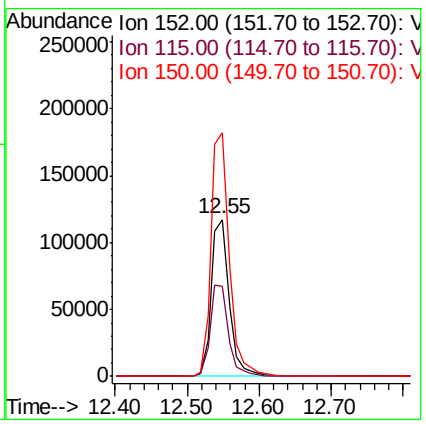


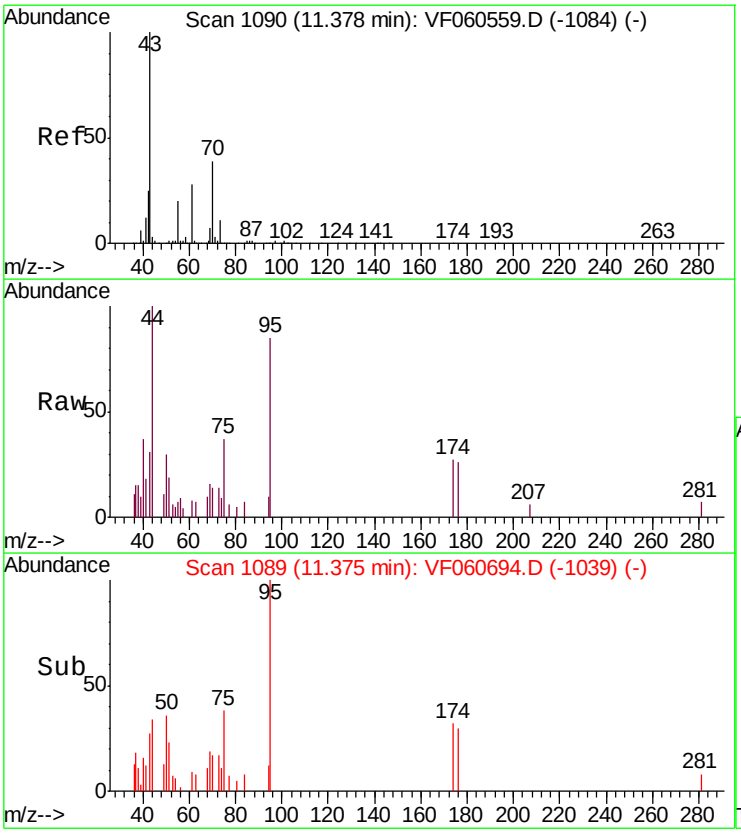
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_F
ClientSampleId :
PN-STONE

Tgt Ion:152 Resp: 199459

Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.6	88.8
150	155.4	0.0	315.6





#74
N-amyl acetate
Concen: Below Cal
RT: 11.38 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VF060694.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 43 Resp: 1374

Ion	Ratio	Lower	Upper
43	100		
70	46.5	30.9	46.3#
55	22.4	16.6	24.8
61	25.4	22.0	33.0