Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031919\
Data File : VF062015.D
Acq On : 19 Mar 2019 13:47
Operator : VA/AP
Sample : K1693-09
Misc : 6.50g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Mar 20 05:20:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	230579	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	293344	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	106156	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	108258	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	101785	61.32	ug/l	-0.02
Spiked Amount 50.000			Recovery = 122.64%			
35) Dibromofluoromethane	4.09	113	143834	73.02	ug/l	-0.02
Spiked Amount 50.000			Recovery = 146.04%			
50) Toluene-d8	7.53	98	42788	7.43	ug/l	-0.02
Spiked Amount 50.000			Recovery = 14.86%			
62) 4-Bromofluorobenzene	11.39	95	121275	53.01	ug/l	-0.02
Spiked Amount 50.000			Recovery = 106.02%			
Target Compounds						Qvalue
8) Diethyl Ether	1.62	74	1552	2.181	ug/l	86
11) Tert butyl alcohol	2.56	59	782	7.700	ug/l #	71
13) Acrolein	1.98	56	452	4.123	ug/l #	48
15) Acrylonitrile	2.93	53	756	2.448	ug/l #	61
16) Acetone	2.23	43	25958	69.646	ug/l	100
18) Methyl Acetate	2.33	43	5647	7.406	ug/l	96
20) Methylene Chloride	2.17	84	3860	2.012	ug/l	90
25) 2-Butanone	4.34	43	2329	3.155	ug/l #	51
29) Tetrahydrofuran	4.06	42	821	2.557	ug/l #	54
51) 4-Methyl-2-Pentanone	8.26	43	2045	2.046	ug/l #	68
52) Toluene	7.59	92	5189	1.210	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	696	2.824	ug/l #	86
59) 2-Hexanone	9.47	43	1491	2.062	ug/l	91
67) Ethyl Benzene	9.88	91	10356	3.060	ug/l	99
68) m/p-Xylenes	10.11	106	2573	2.022	ug/l #	31
69) o-Xylene	10.69	106	10241	7.520	ug/l	88
78) n-propylbenzene	11.58	91	12747	1.482	ug/l	95
80) 1,3,5-Trimethylbenzene	11.80	105	24263	4.016	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	11326	1.872	ug/l	97
85) sec-Butylbenzene	12.29	105	8916	1.044	ug/l	98
86) p-Isopropyltoluene	12.42	119	23228	3.261	ug/l	97
89) n-Butylbenzene	12.82	91	20107	3.004	ug/l #	33
95) Naphthalene	14.44	128	21020	5.323	ug/l #	81

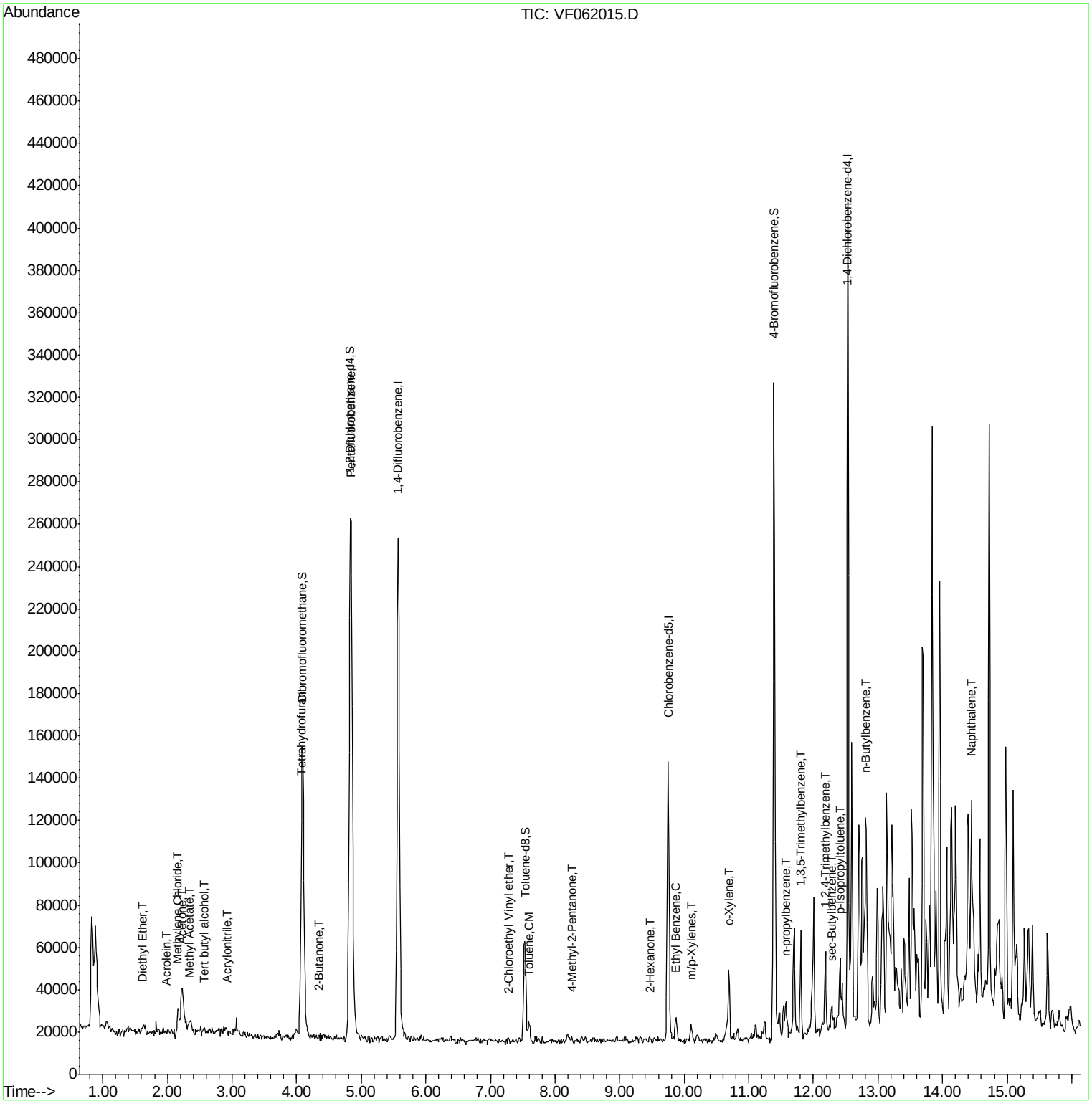
(#) = qualifier out of range (m) = manual integration (+) = signals summed

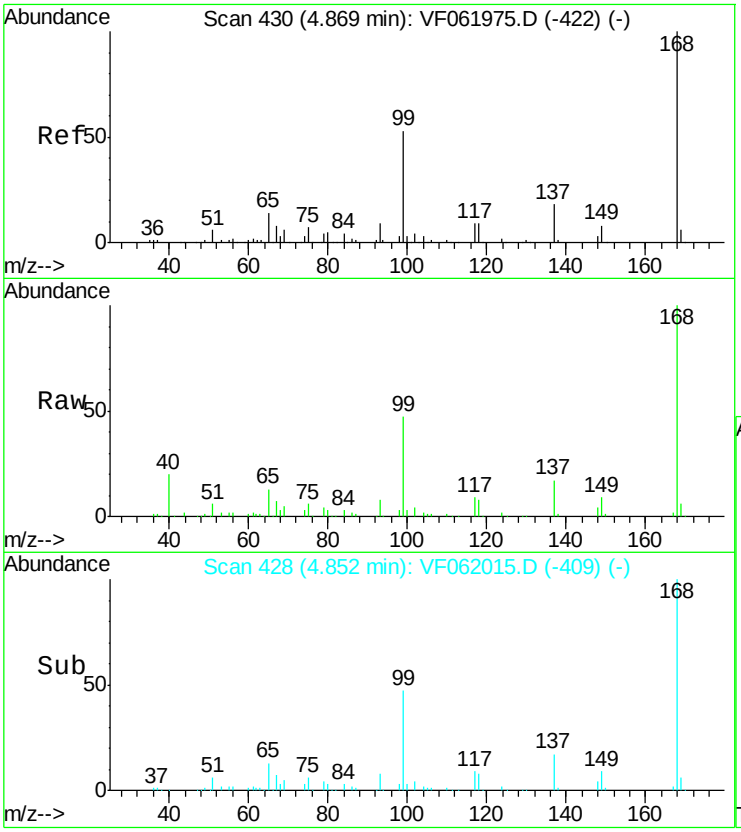
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
Data File : VF062015.D
Acq On : 19 Mar 2019 13:47
Operator : VA/AP
Sample : K1693-09
Misc : 6.50g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Mar 20 05:20:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration



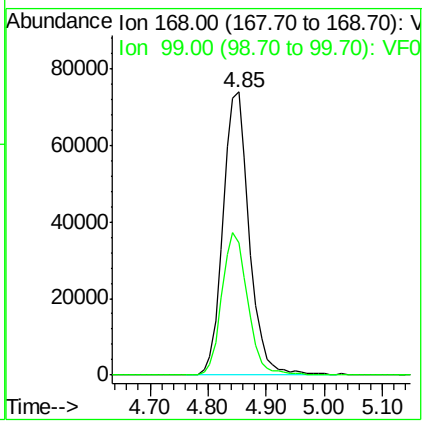


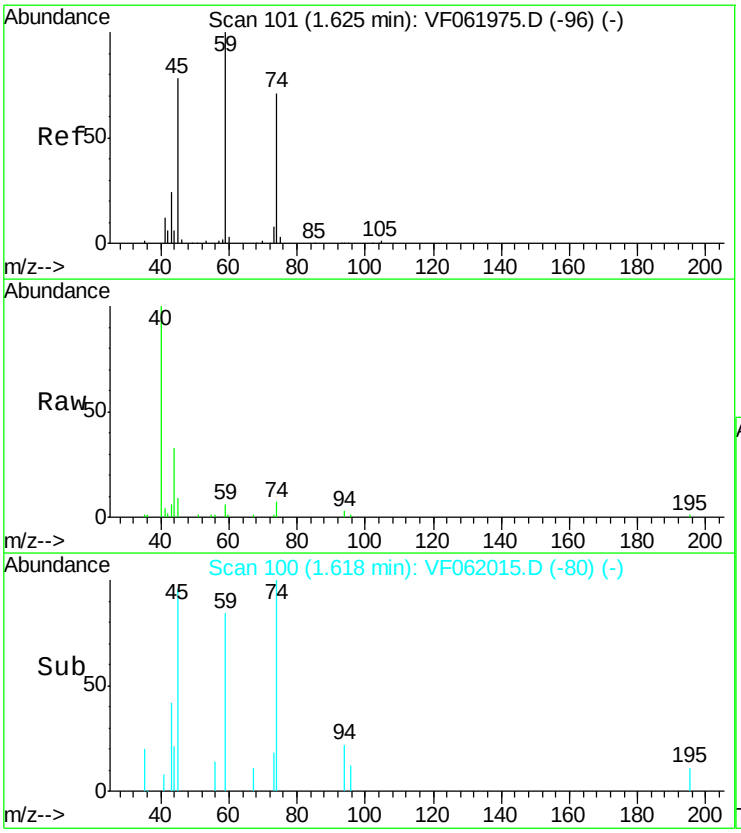
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 230579

Ion	Ratio	Lower	Upper
168	100		
99	46.9	42.4	63.6

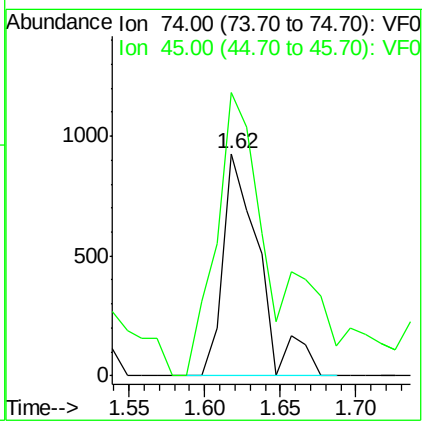


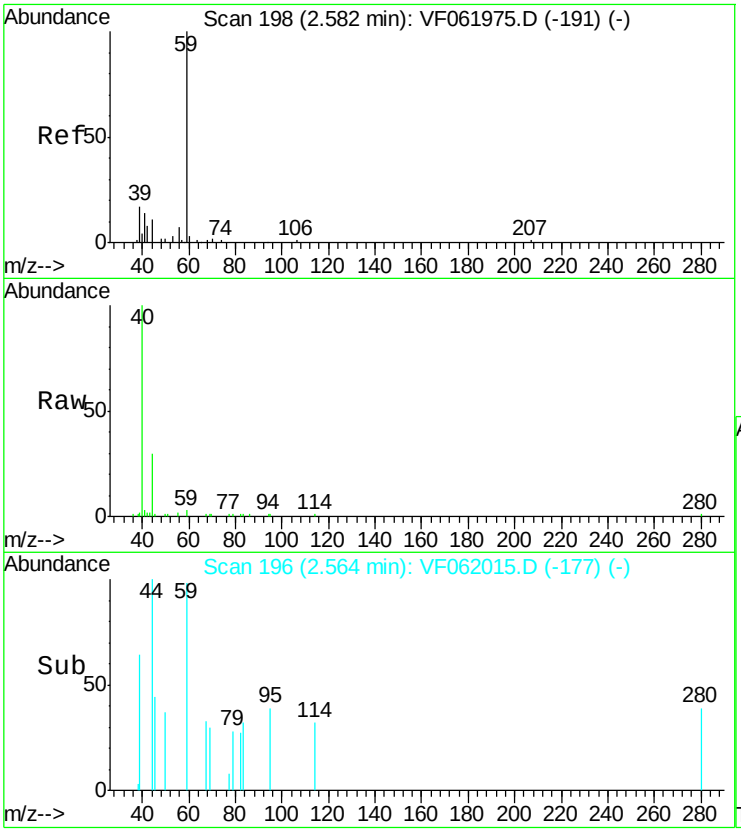


#8
Diethyl Ether
Concen: 2.181 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion: 74 Resp: 1552

Ion	Ratio	Lower	Upper
74	100		
45	127.2	56.3	168.8



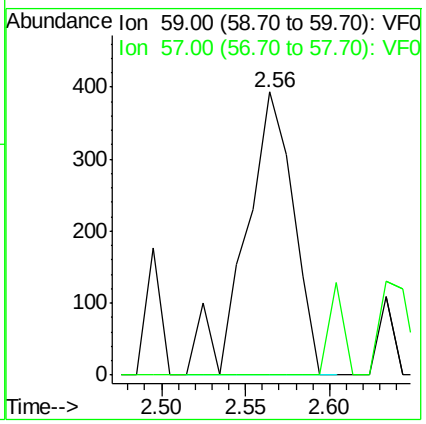


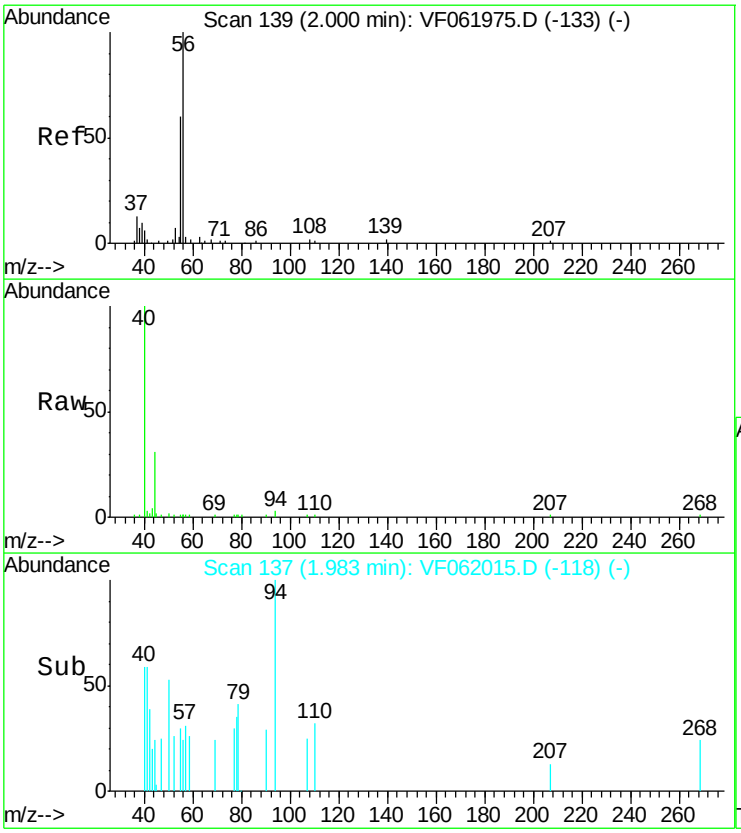
#11
Tert butyl alcohol
Concen: 7.700 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 59 Resp: 782

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

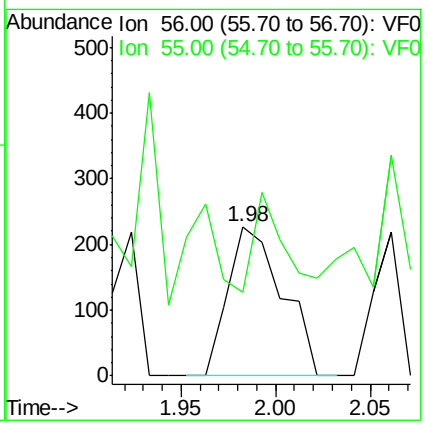


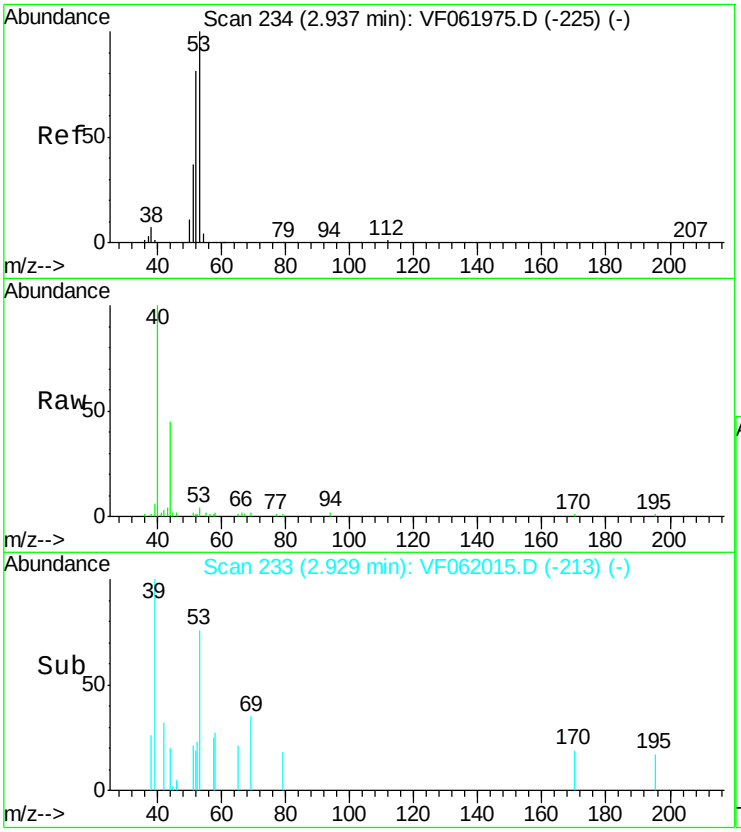


#13
Acrolein
Concen: 4.123 ug/l
RT: 1.98 min Scan# 137
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion: 56 Resp: 452

Ion	Ratio	Lower	Upper
56	100		
55	100.9	49.1	73.7#



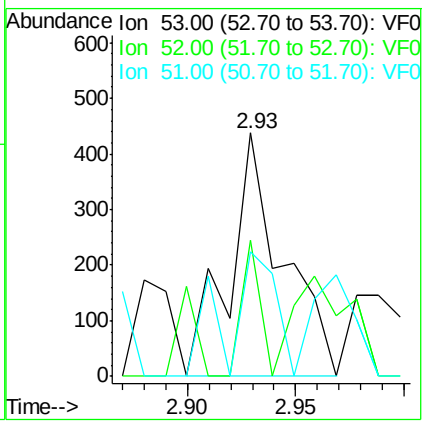


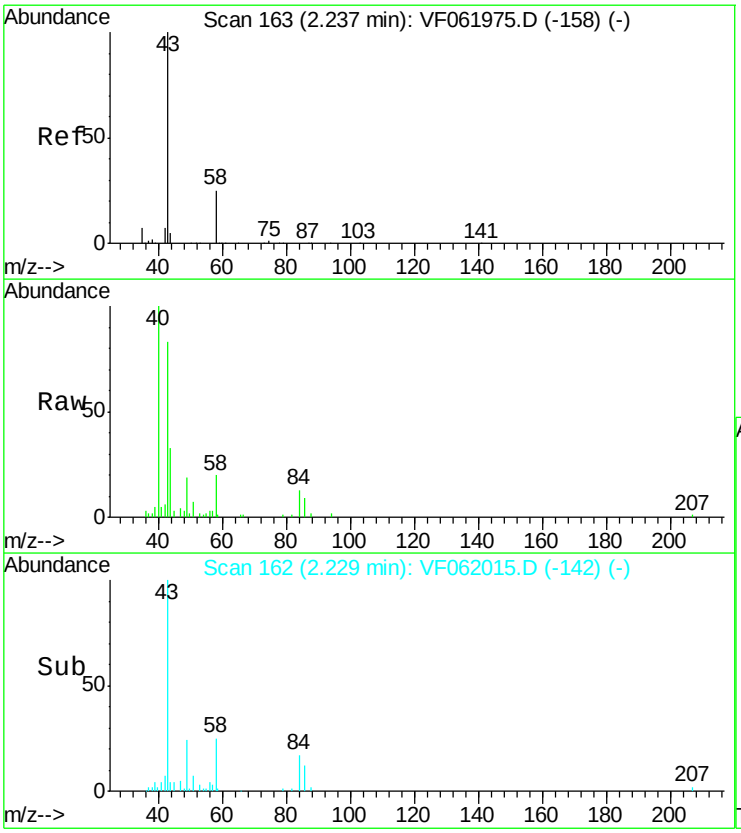
#15
Acrylonitrile
Concen: 2.448 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.01 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 53 Resp: 756

Ion	Ratio	Lower	Upper
53	100		
52	55.7	64.4	96.6#
51	76.3	30.3	45.5#

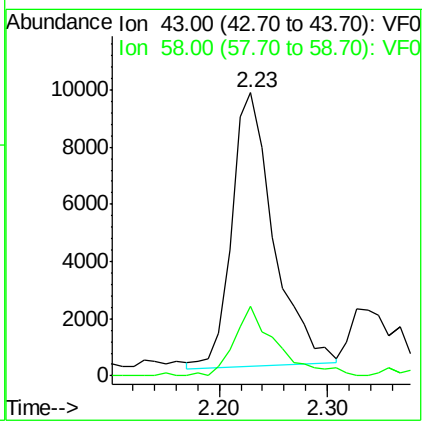


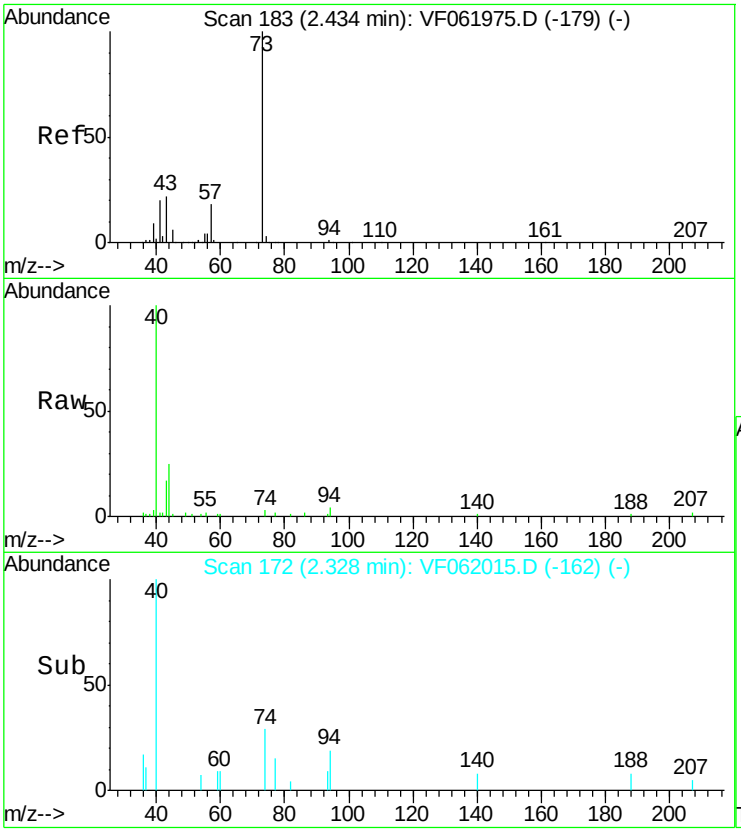


#16
Acetone
Concen: 69.646 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.01 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion: 43 Resp: 25958

Ion	Ratio	Lower	Upper
43	100		
58	24.8	19.9	29.9



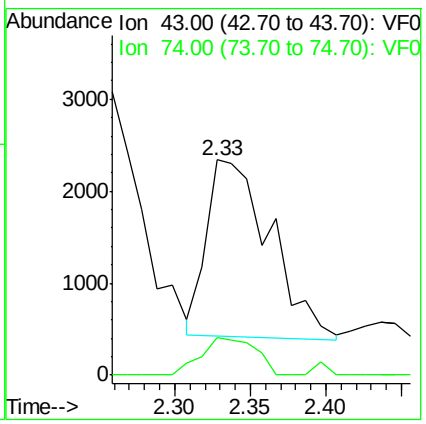


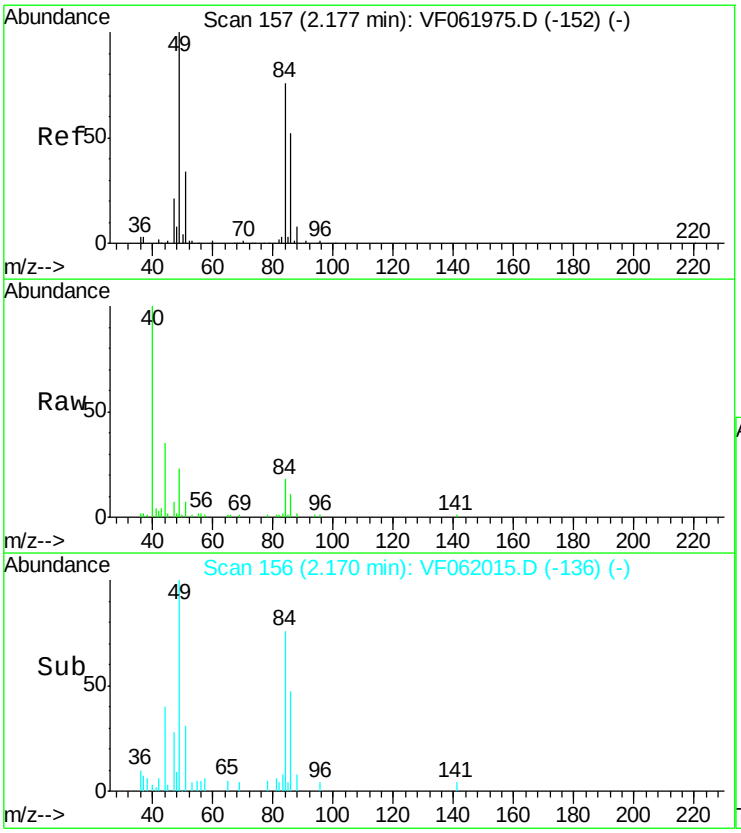
#18
Methyl Acetate
Concen: 7.406 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.11 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 5647

Ion	Ratio	Lower	Upper
43	100		
74	17.6	12.6	18.8

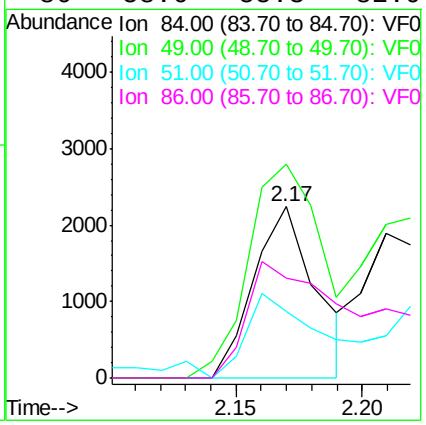


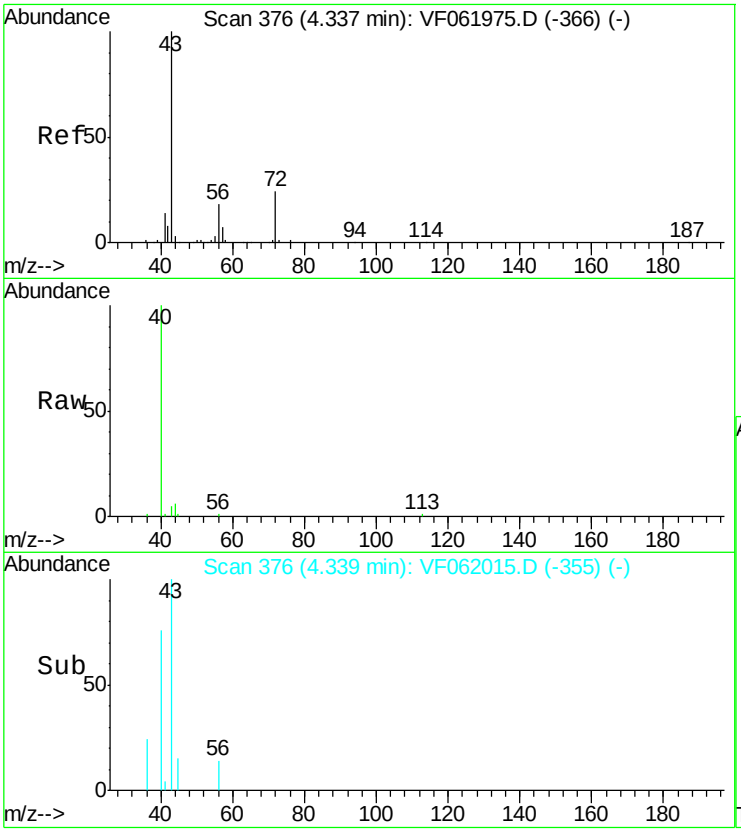


#20
Methylene Chloride
Concen: 2.012 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion: 84 Resp: 3860

Ion	Ratio	Lower	Upper
84	100		
49	124.7	107.0	160.6
51	38.7	37.2	55.8
86	58.6	55.3	82.9



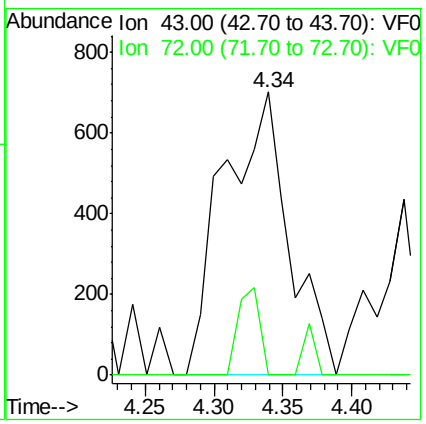


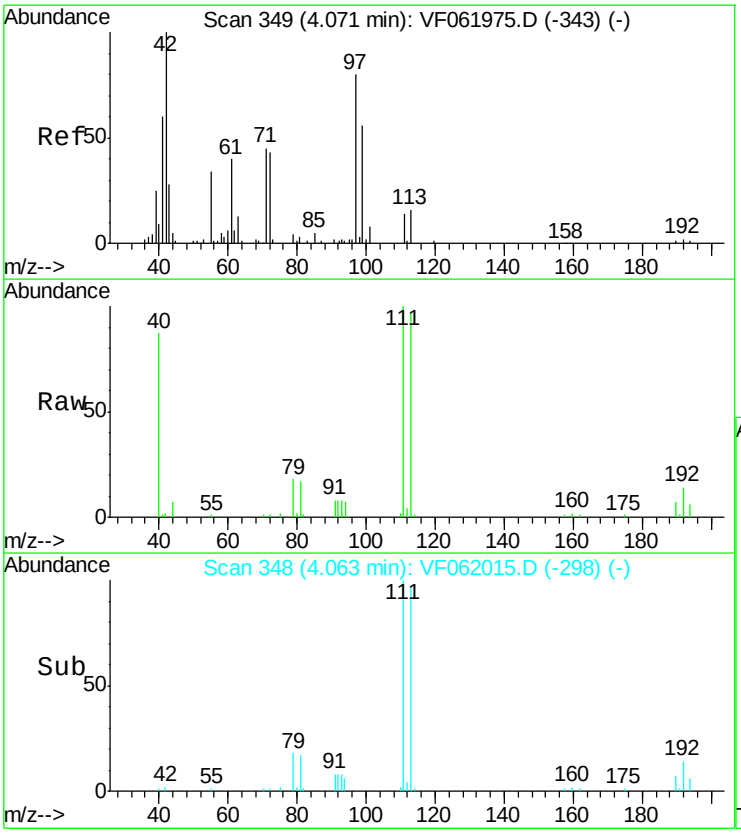
#25
2-Butanone
Concen: 3.155 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.00 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2329

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.6#

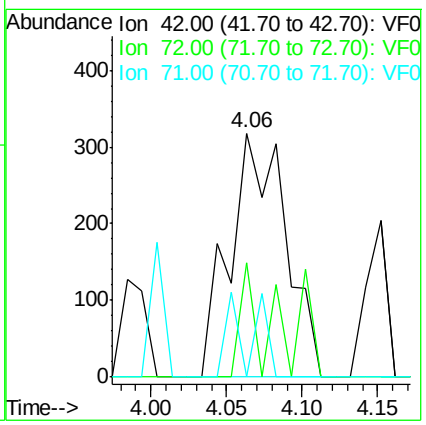


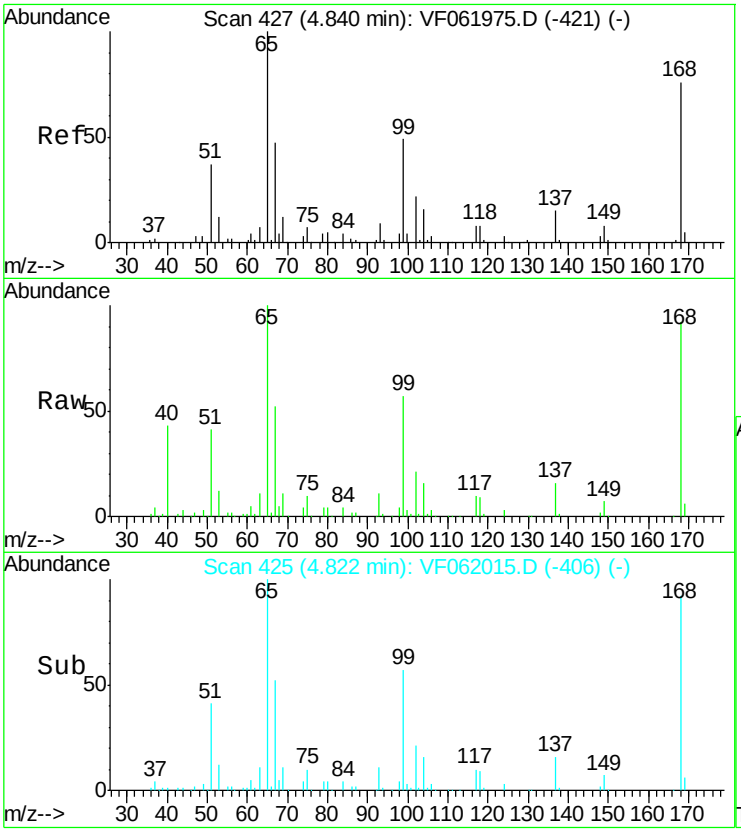


#29
Tetrahydrofuran
Concen: 2.557 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion: 42 Resp: 821

Ion	Ratio	Lower	Upper
42	100		
72	10.7	34.0	51.0#
71	15.8	34.2	51.4#



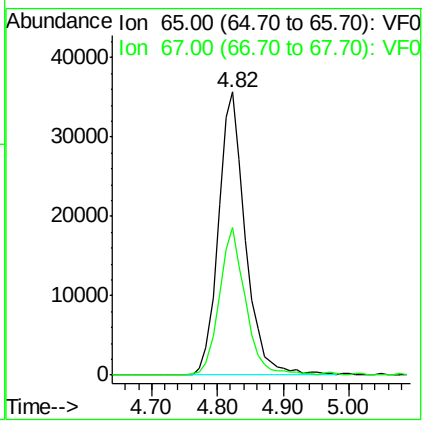


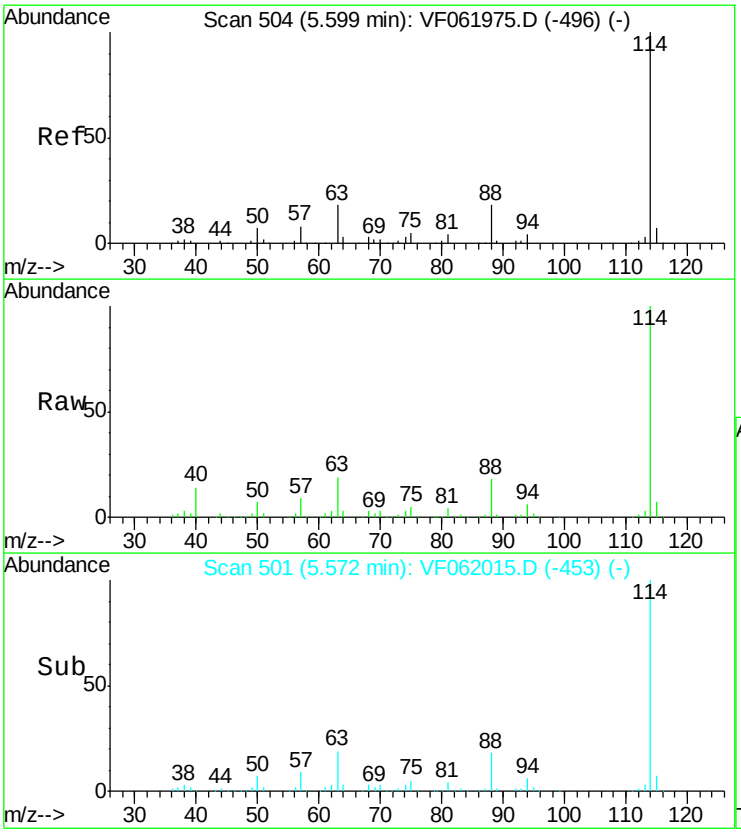
#33
1,2-Dichloroethane-d4
Concen: 61.324 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 65 Resp: 101785

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	109.4

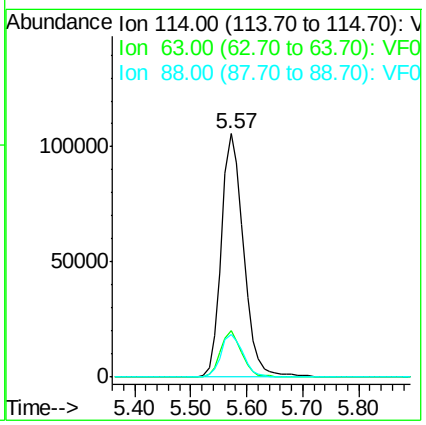


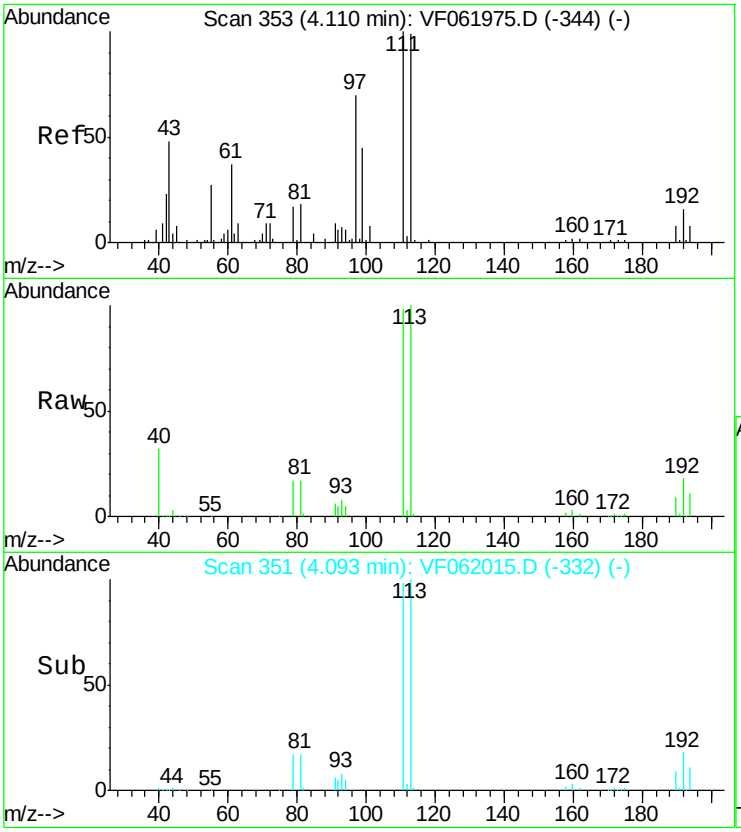


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.57 min Scan# 501
Delta R.T. -0.03 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion:114 Resp: 293344

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	36.4
88	17.6	0.0	36.4



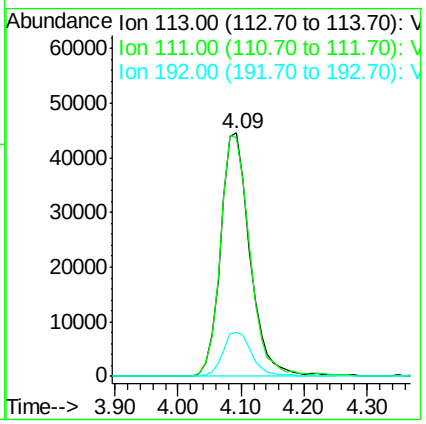


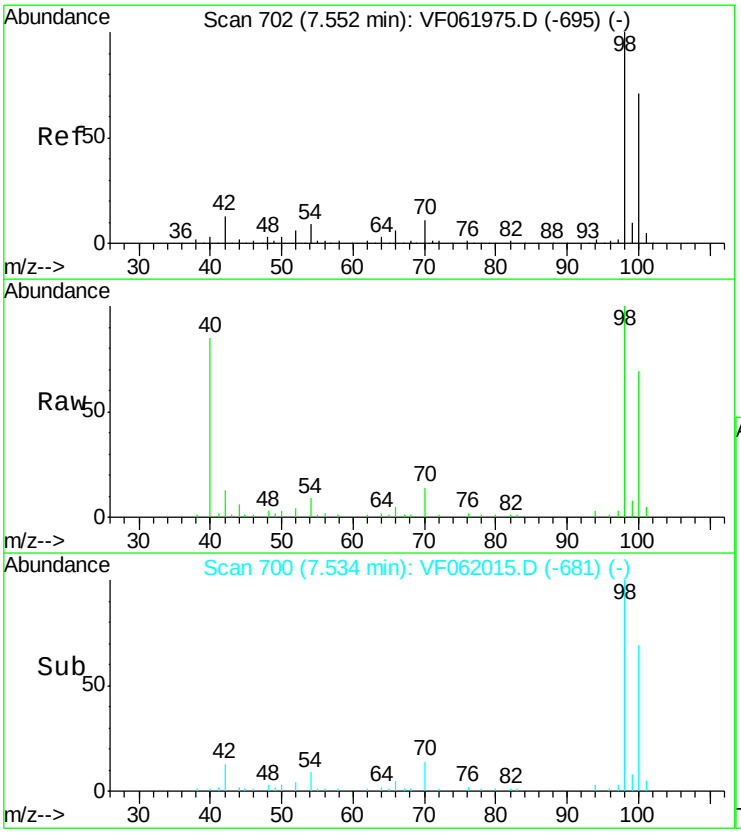
#35
Dibromofluoromethane
Concen: 73.017 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:113 Resp: 143834

Ion	Ratio	Lower	Upper
113	100		
111	97.8	80.8	121.2
192	18.3	13.0	19.6

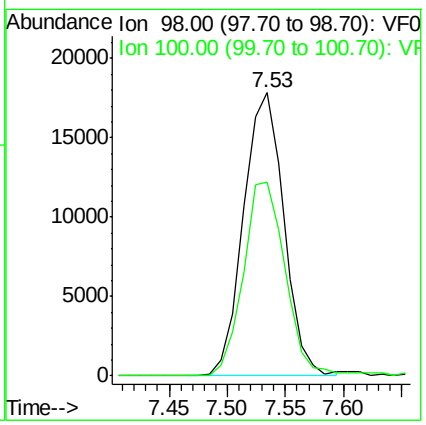


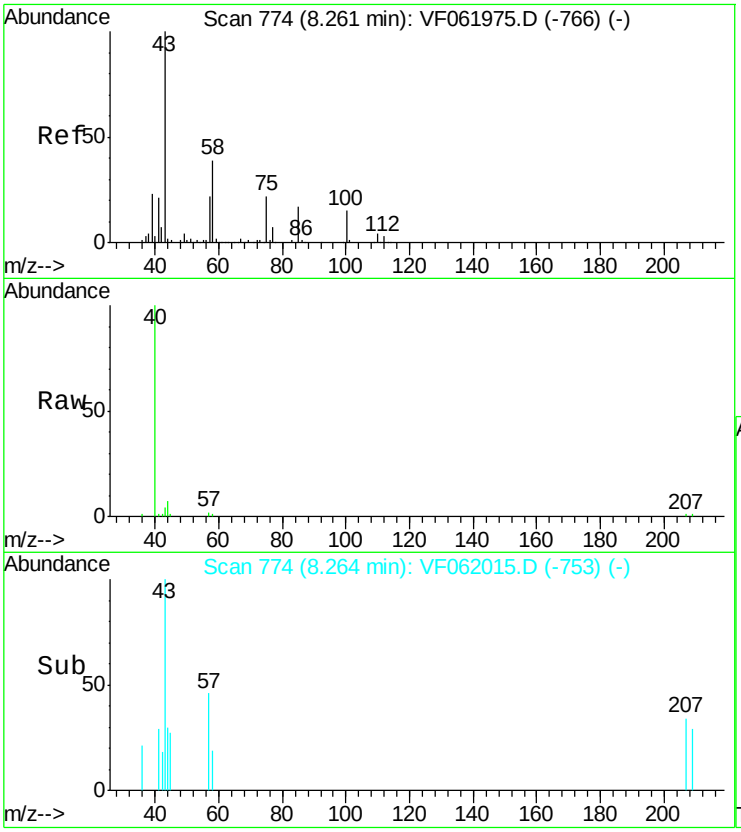


#50
Toluene-d8
Concen: 7.430 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion: 98 Resp: 42788

Ion	Ratio	Lower	Upper
98	100		
100	68.5	56.8	85.2



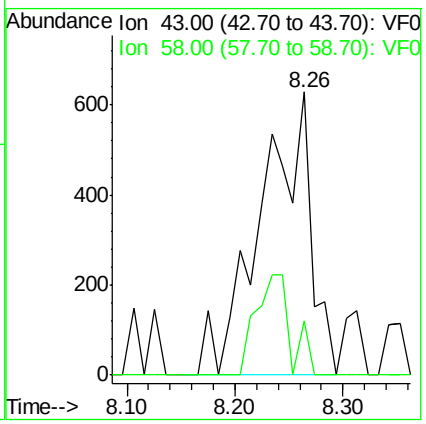


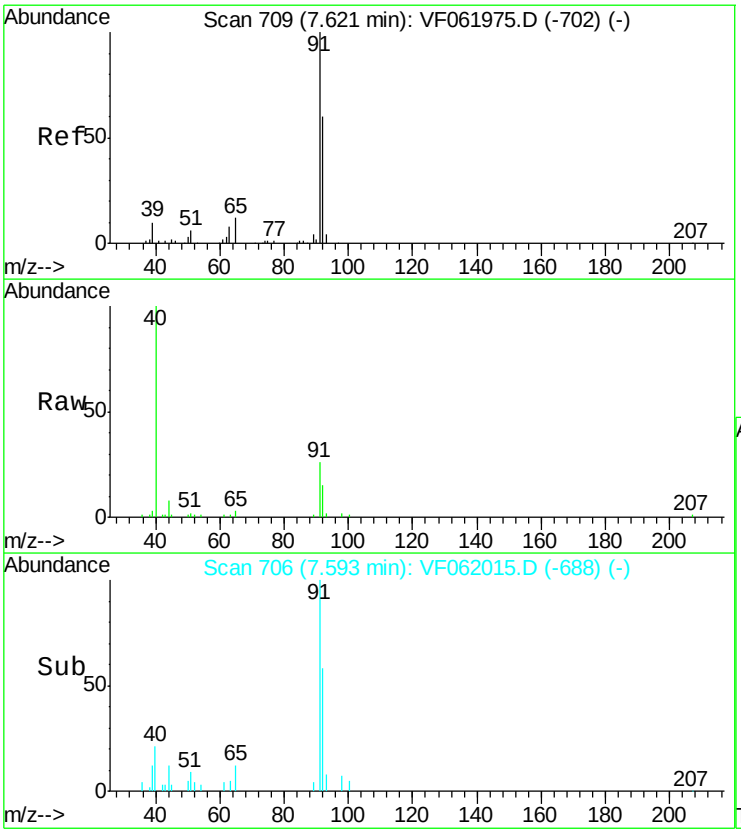
#51
4-Methyl-2-Pentanone
Concen: 2.046 ug/l
RT: 8.26 min Scan# 774
Delta R.T. 0.00 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2045

Ion	Ratio	Lower	Upper
43	100		
58	19.3	31.1	46.7#

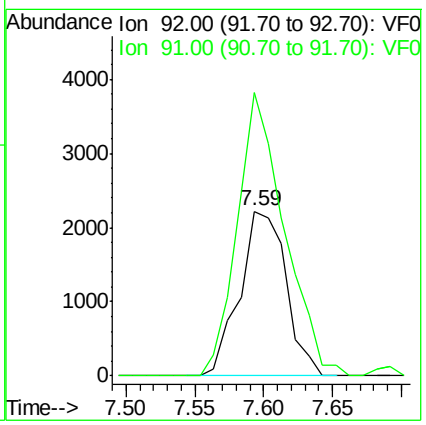


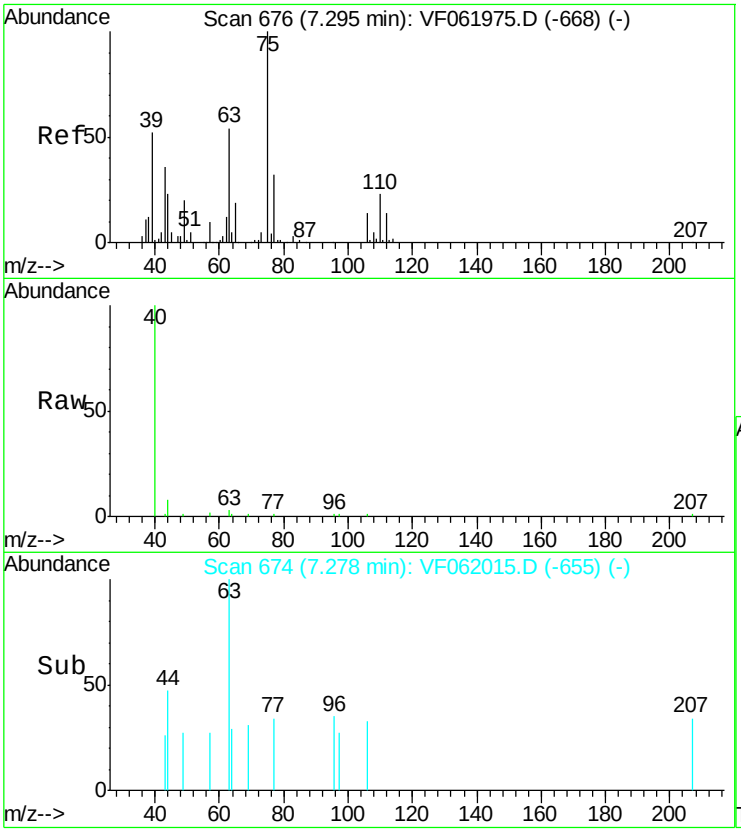


#52
Toluene
Concen: 1.210 ug/l
RT: 7.59 min Scan# 706
Delta R.T. -0.03 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion: 92 Resp: 5189

Ion	Ratio	Lower	Upper
92	100		
91	172.1	134.0	201.0



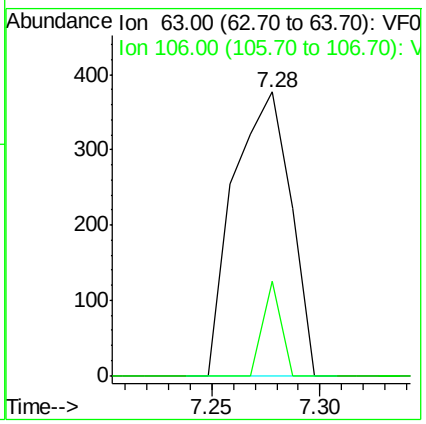


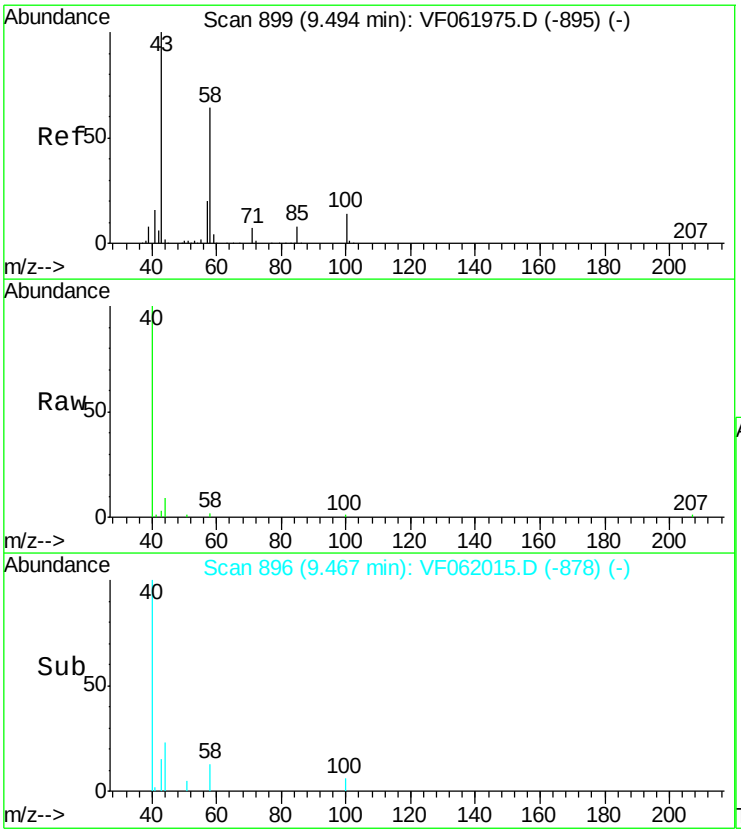
#58
2-Chloroethyl Vinyl ether
Concen: 2.824 ug/l
RT: 7.28 min Scan# 674
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 63 Resp: 696

Ion	Ratio	Lower	Upper
63	100		
106	33.4	20.9	31.3#

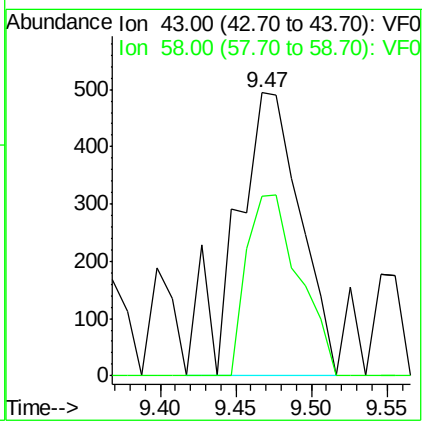


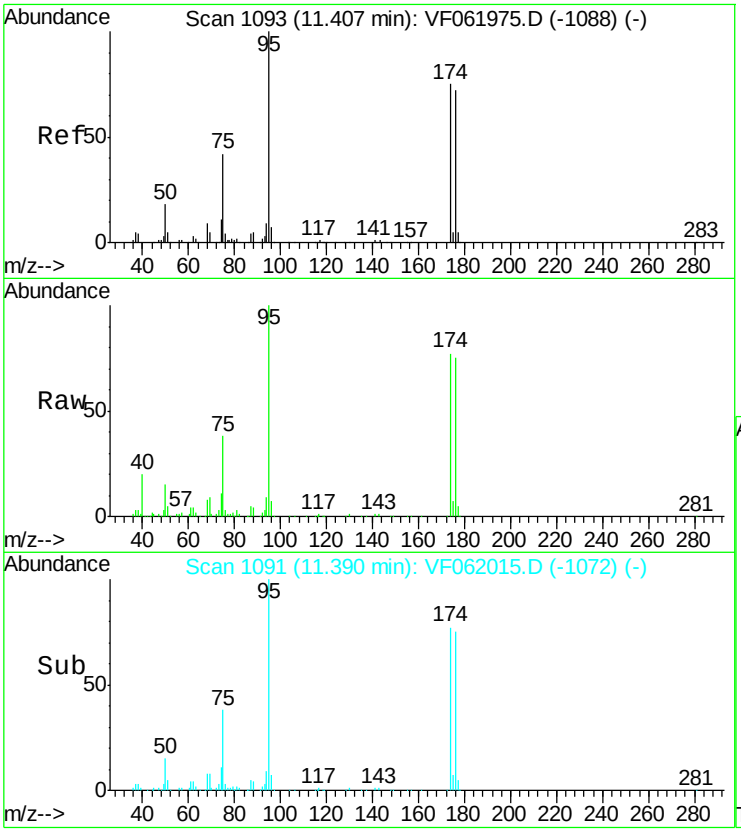


#59
2-Hexanone
Concen: 2.062 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion: 43 Resp: 1491

Ion	Ratio	Lower	Upper
43	100		
58	63.6	28.4	85.2



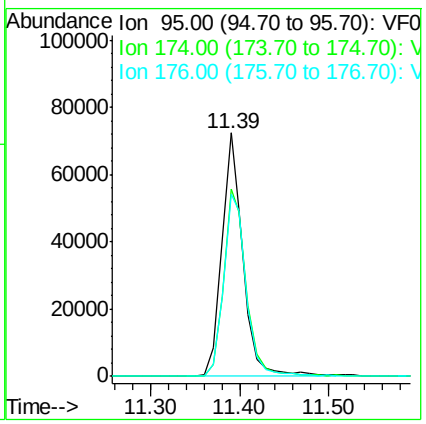


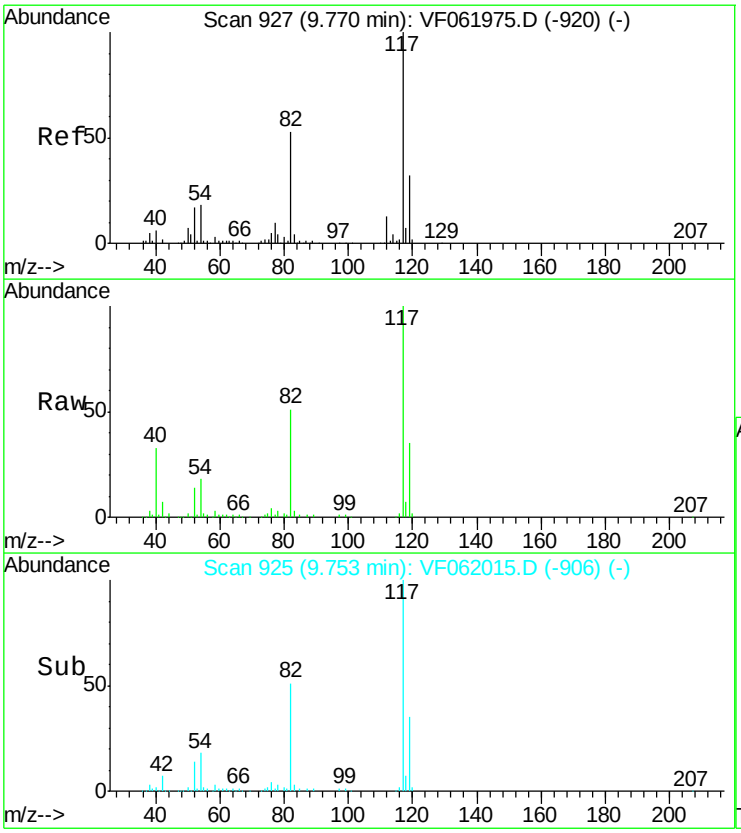
#62
4-Bromofluorobenzene
Concen: 53.013 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 95 Resp: 121275

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	149.4
176	74.8	0.0	143.4

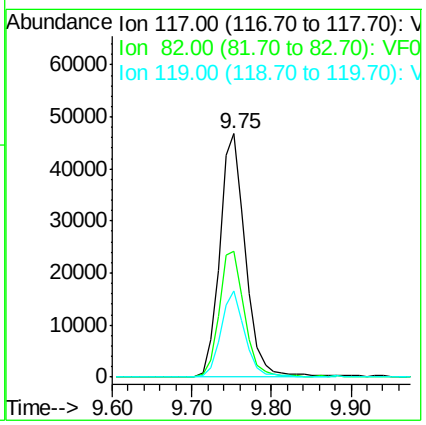


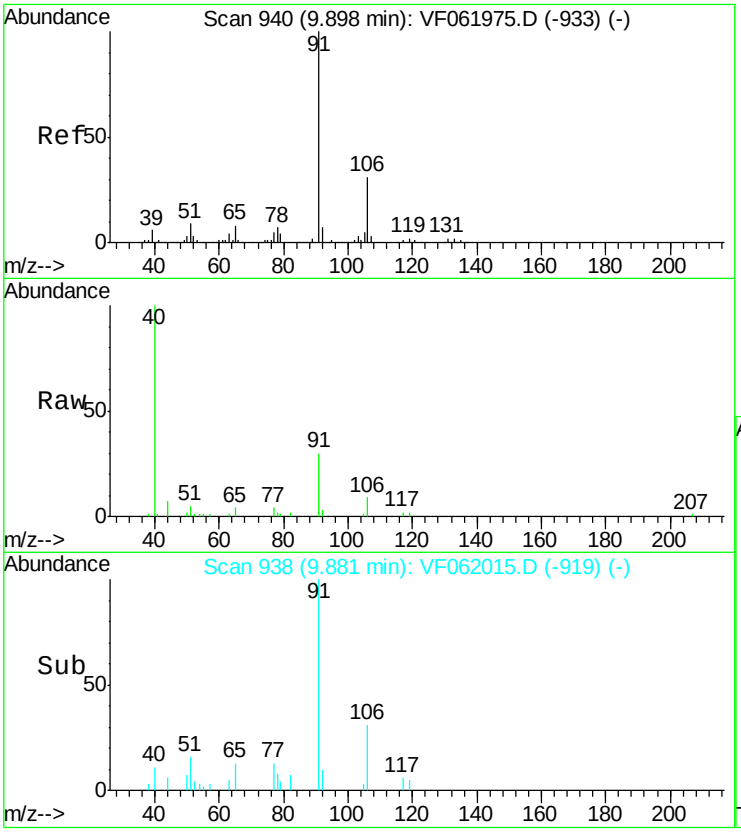


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion:117 Resp: 106156

Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.5	63.7
119	35.4	25.4	38.0



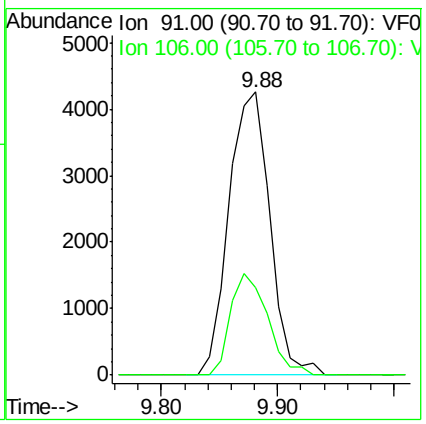


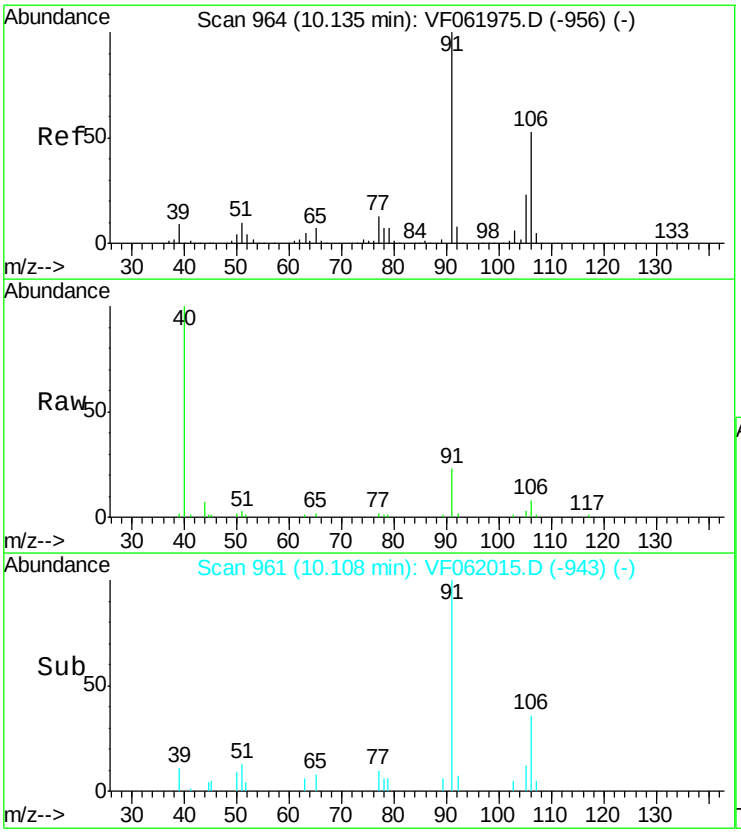
#67
Ethyl Benzene
Concen: 3.060 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 91 Resp: 10356

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.4	36.6

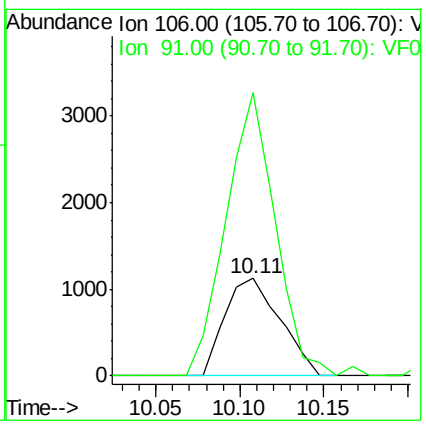


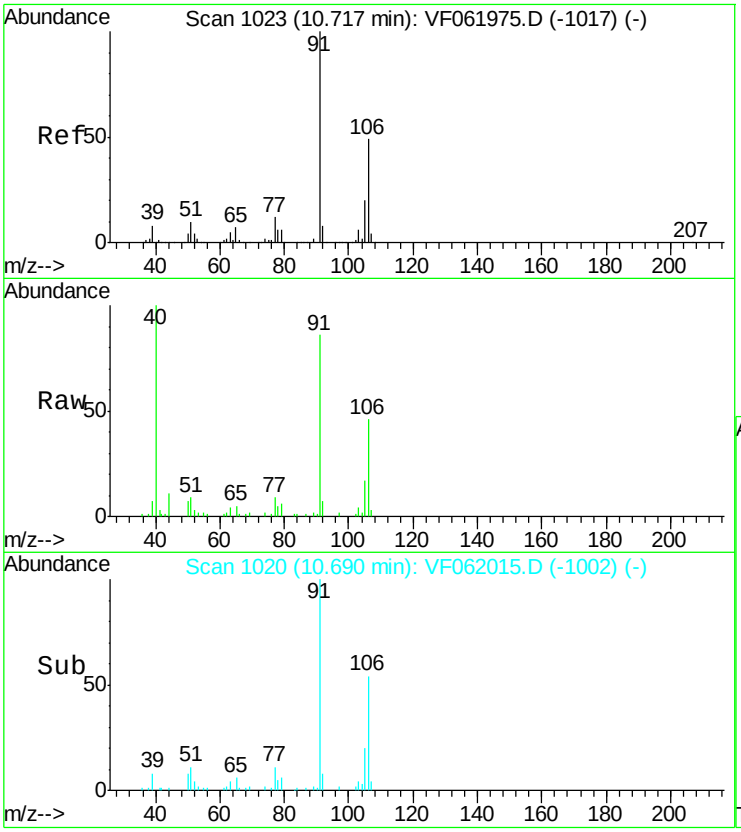


#68
m/p-Xylenes
Concen: 2.022 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion:106 Resp: 2573

Ion	Ratio	Lower	Upper
106	100		
91	291.3	151.9	227.9#



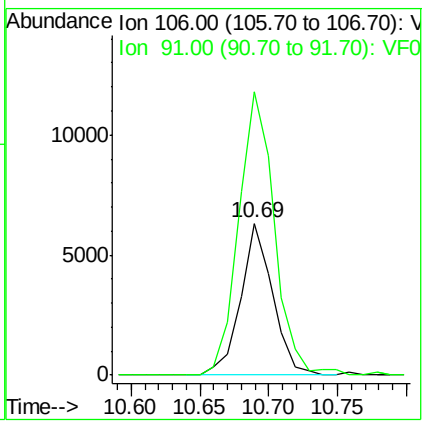


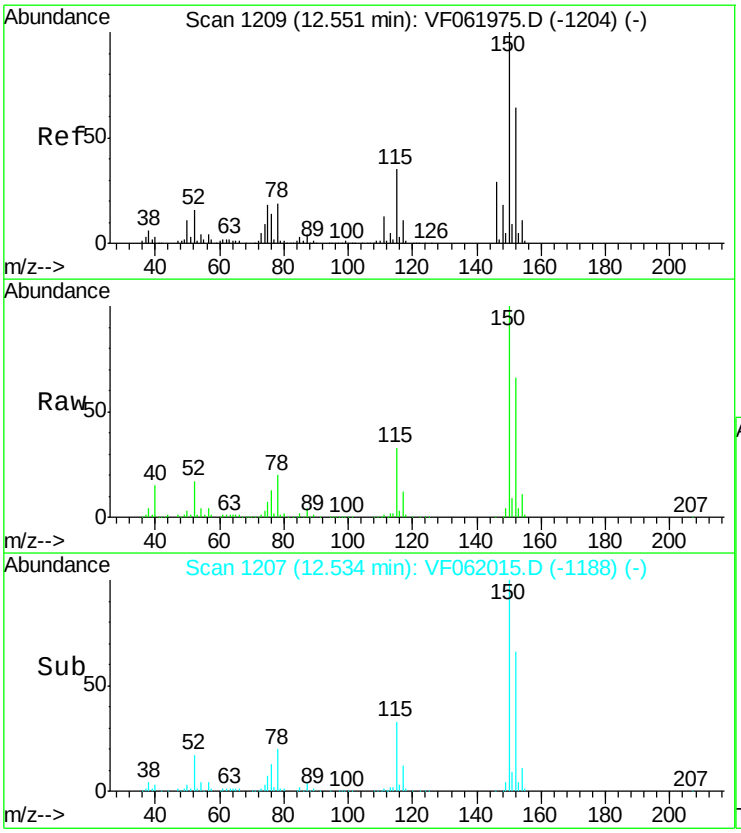
#69
o-Xylene
Concen: 7.520 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:106 Resp: 10241

Ion	Ratio	Lower	Upper
106	100		
91	186.5	102.3	306.8

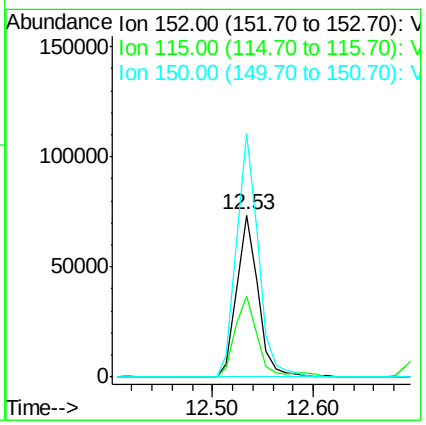


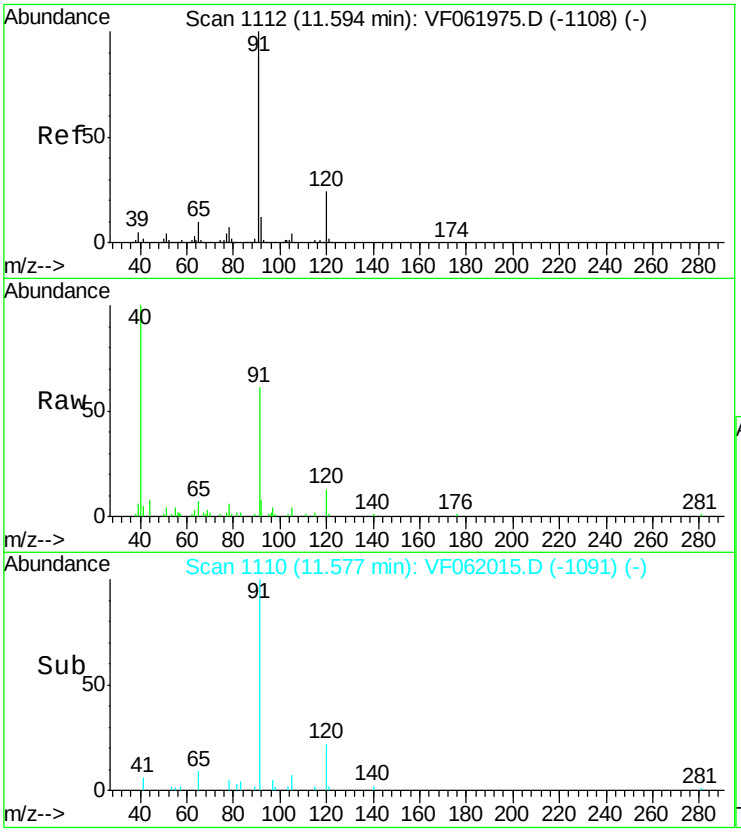


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion:152 Resp: 108258

Ion	Ratio	Lower	Upper
152	100		
115	49.8	27.3	81.9
150	150.4	0.0	316.2



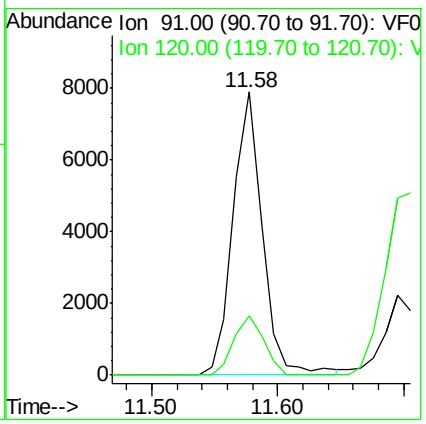


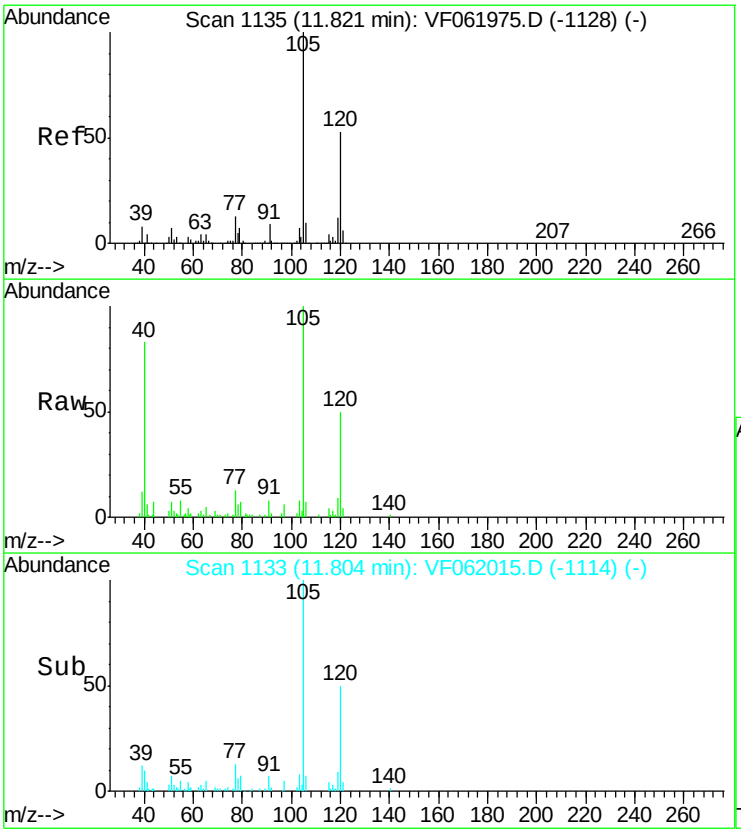
#78
n-propylbenzene
Concen: 1.482 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 91 Resp: 12747

Ion	Ratio	Lower	Upper
91	100		
120	21.2	11.8	35.3

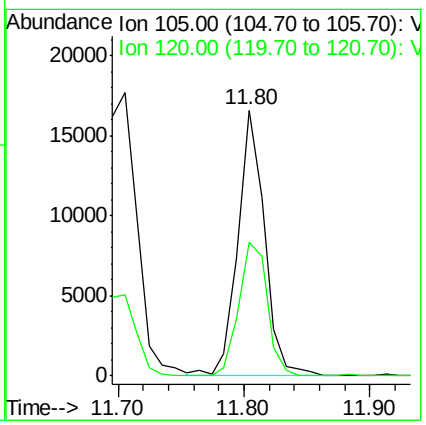


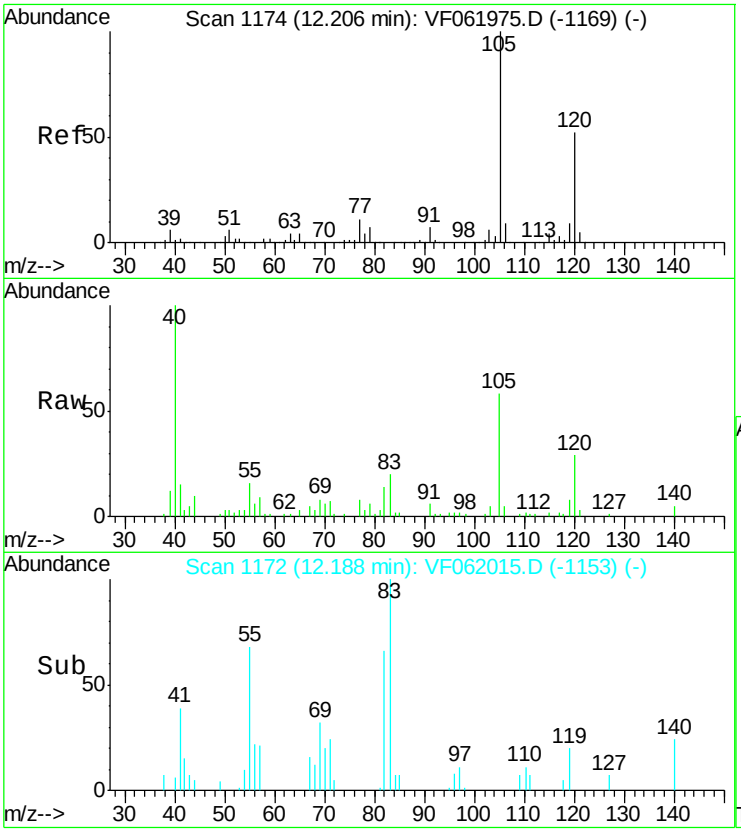


#80
1,3,5-Trimethylbenzene
Concen: 4.016 ug/l
RT: 11.80 min Scan# 1133
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion:105 Resp: 24263

Ion	Ratio	Lower	Upper
105	100		
120	50.3	26.6	79.7



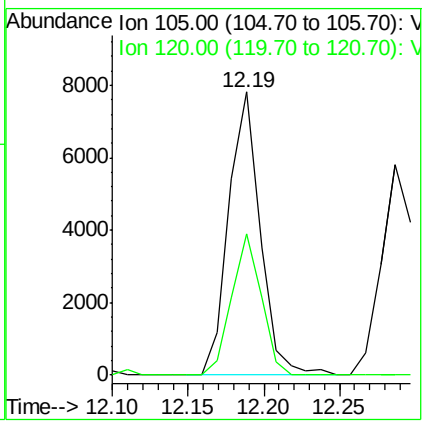


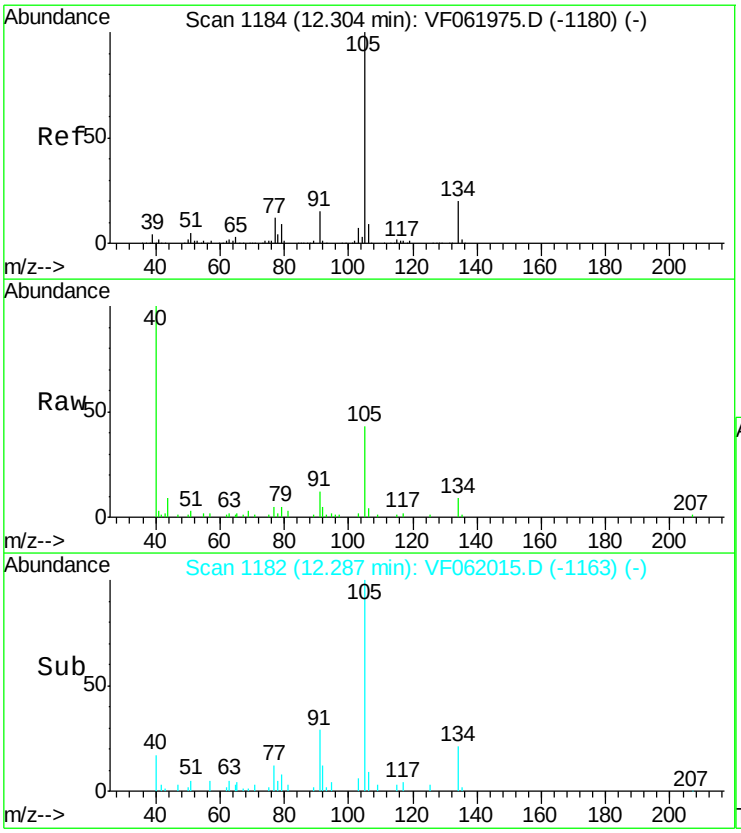
#84
1,2,4-Trimethylbenzene
Concen: 1.872 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 11326

Ion	Ratio	Lower	Upper
105	100		
120	49.7	25.9	77.8

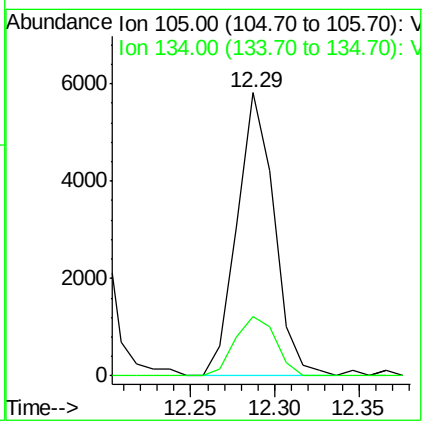


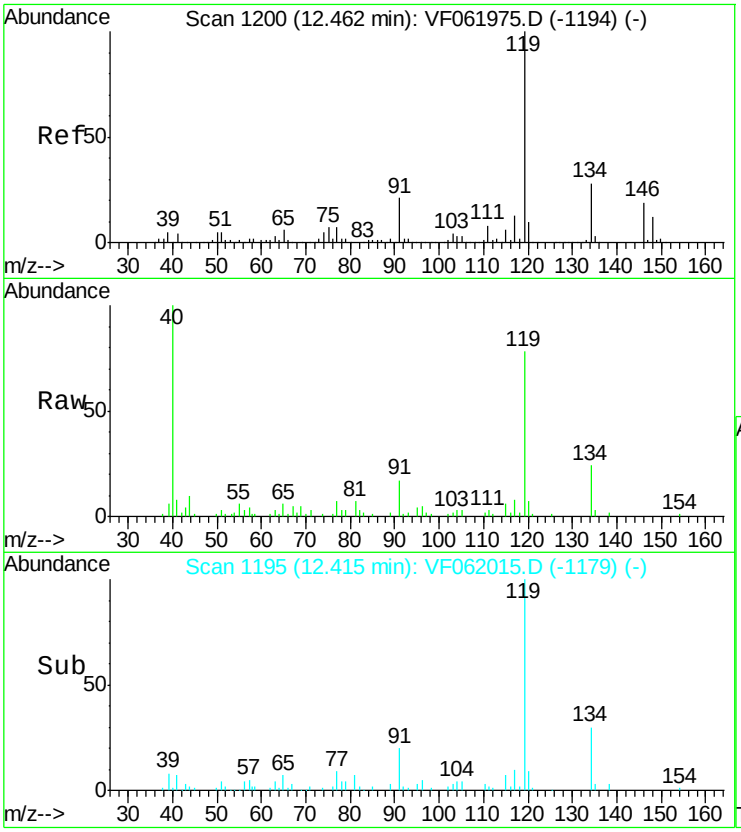


#85
sec-Butylbenzene
Concen: 1.044 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion:105 Resp: 8916

Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.0	29.8



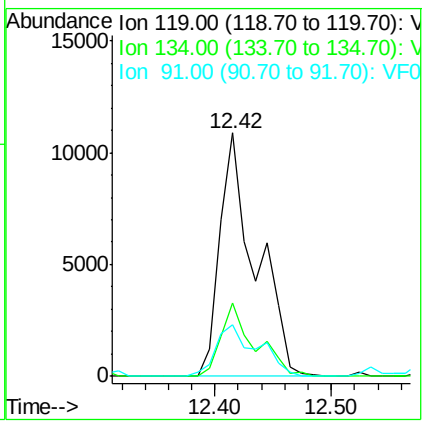


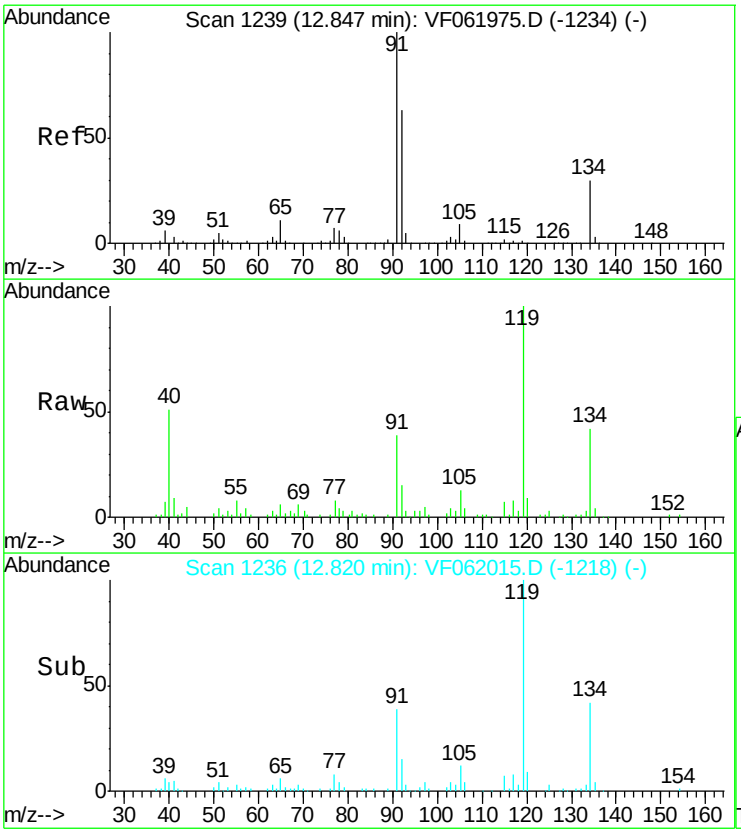
#86
p-Isopropyltoluene
Concen: 3.261 ug/l
RT: 12.42 min Scan# 1195
Delta R.T. -0.05 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:119 Resp: 23228

Ion	Ratio	Lower	Upper
119	100		
134	30.1	13.9	41.7
91	21.3	10.4	31.1

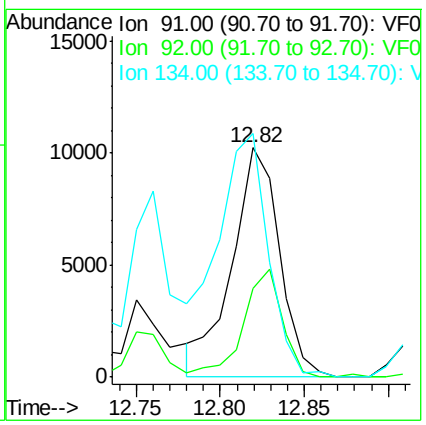


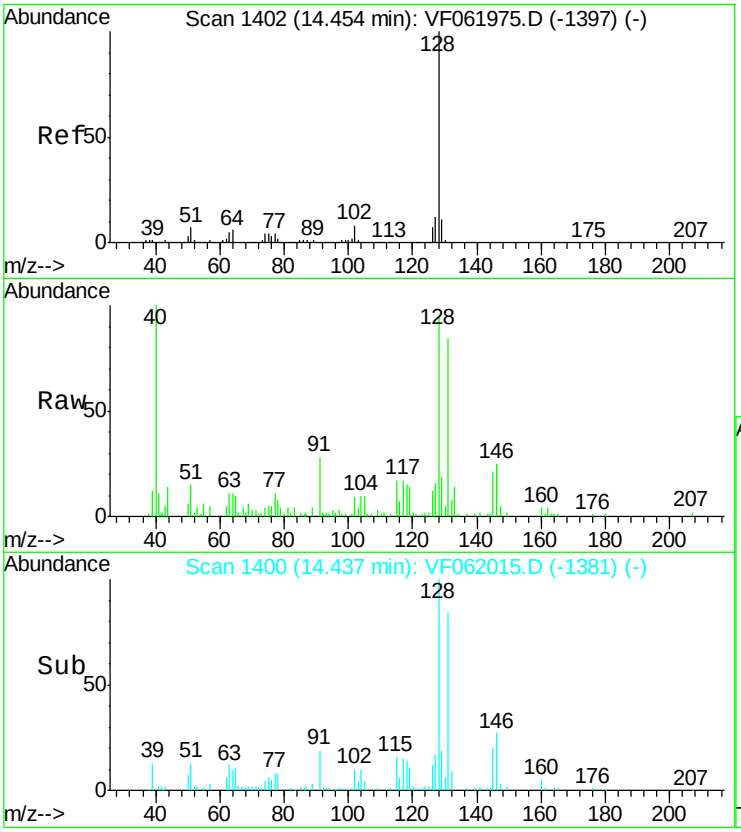


#89
n-Butylbenzene
Concen: 3.004 ug/l
RT: 12.82 min Scan# 1236
Delta R.T. -0.03 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Tgt Ion: 91 Resp: 20107

Ion	Ratio	Lower	Upper
91	100		
92	38.6	31.7	95.1
134	106.2	15.1	45.3#





#95
Naphthalene
Concen: 5.323 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF062015.D
Acq: 19 Mar 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 21020

Ion	Ratio	Lower	Upper
128	100		
127	17.2	9.3	13.9#
129	20.5	9.1	13.7#