Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022519\
Data File : VF061730.D
Acq On : 25 Feb 2019 15:09
Operator : VA/AP
Sample : K1348-05
Misc : 5.95g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Quant Time: Feb 26 04:32:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	10192	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	12817	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	8670	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	2025	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	1333	17.84	ug/l	0.00
Spiked Amount 50.000			Recovery = 35.68%			
35) Dibromofluoromethane	4.11	113	3103	32.60	ug/l	-0.01
Spiked Amount 50.000			Recovery = 65.20%			
50) Toluene-d8	7.56	98	10567	38.62	ug/l	0.00
Spiked Amount 50.000			Recovery = 77.24%			
62) 4-Bromofluorobenzene	11.42	95	2362	21.34	ug/l	0.00
Spiked Amount 50.000			Recovery = 42.68%			
Target Compounds						Qvalue
5) Bromomethane	1.29	94	230	2.927	ug/l #	48
6) Chloroethane	1.33	64	67	1.191	ug/l #	40
8) Diethyl Ether	1.78	74	73	2.104	ug/l	67
11) Tert butyl alcohol	2.56	59	72	16.646	ug/l #	63
12) 1,1-Dichloroethene	1.79	96	117	1.340	ug/l #	1
13) Acrolein	1.90	56	1044	192.042	ug/l	94
14) Allyl chloride	2.13	41	523	4.880	ug/l #	71
15) Acrylonitrile	2.96	53	273	17.794	ug/l #	36
16) Acetone	2.26	43	2063	128.650	ug/l #	46
18) Methyl Acetate	2.34	43	293	8.111	ug/l #	59
20) Methylene Chloride	2.18	84	634	5.116	ug/l #	51
21) trans-1,2-Dichloroethene	2.31	96	186	1.959	ug/l #	1
22) Diisopropyl ether	2.83	45	540	2.099	ug/l #	47
23) Vinyl Acetate	3.18	43	378	3.008	ug/l #	74
25) 2-Butanone	4.34	43	91	2.598	ug/l #	55
26) 2,2-Dichloropropane	3.70	77	71	1.077	ug/l #	52
28) Bromochloromethane	3.74	49	85	1.138	ug/l #	3
29) Tetrahydrofuran	4.10	42	235	14.761	ug/l #	33
37) Ethyl Acetate	4.15	43	239	4.053	ug/l #	30
41) Methacrylonitrile	4.75	41	283	9.384	ug/l #	22
43) Isopropyl Acetate	6.94	43	176	2.521	ug/l #	43
48) Methyl methacrylate	6.70	41	104	2.476	ug/l #	17
51) 4-Methyl-2-Pentanone	8.26	43	361	7.238	ug/l #	34
56) Ethyl methacrylate	8.61	69	66	1.002	ug/l #	26
59) 2-Hexanone	9.52	43	76	2.174	ug/l #	23
74) N-amyl acetate	11.40	43	434	12.541	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	11.58	83	64	2.478	ug/l #	26
95) Naphthalene	14.45	128	144	1.739	ug/l #	69

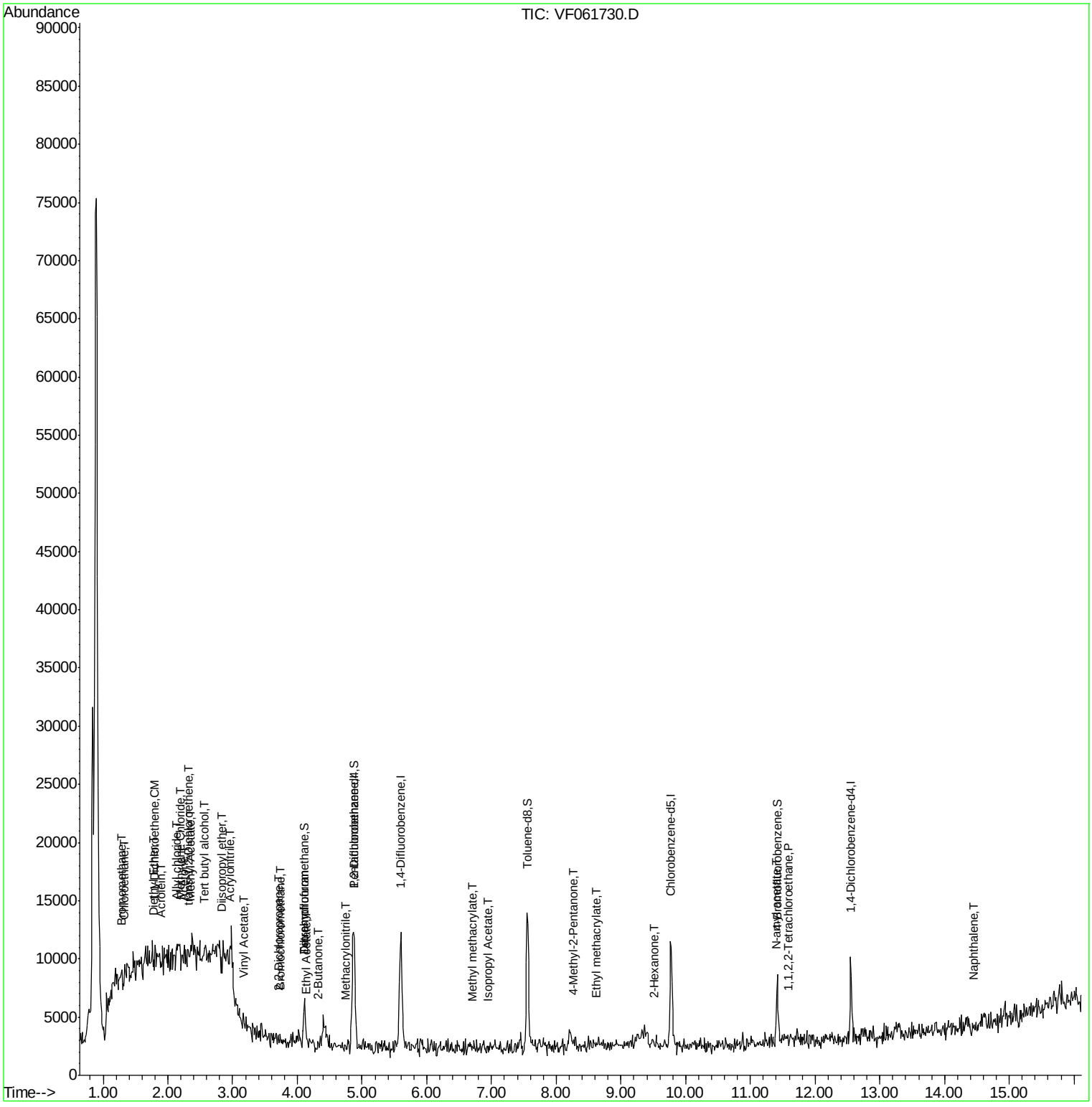
(#) = qualifier out of range (m) = manual integration (+) = signals summed

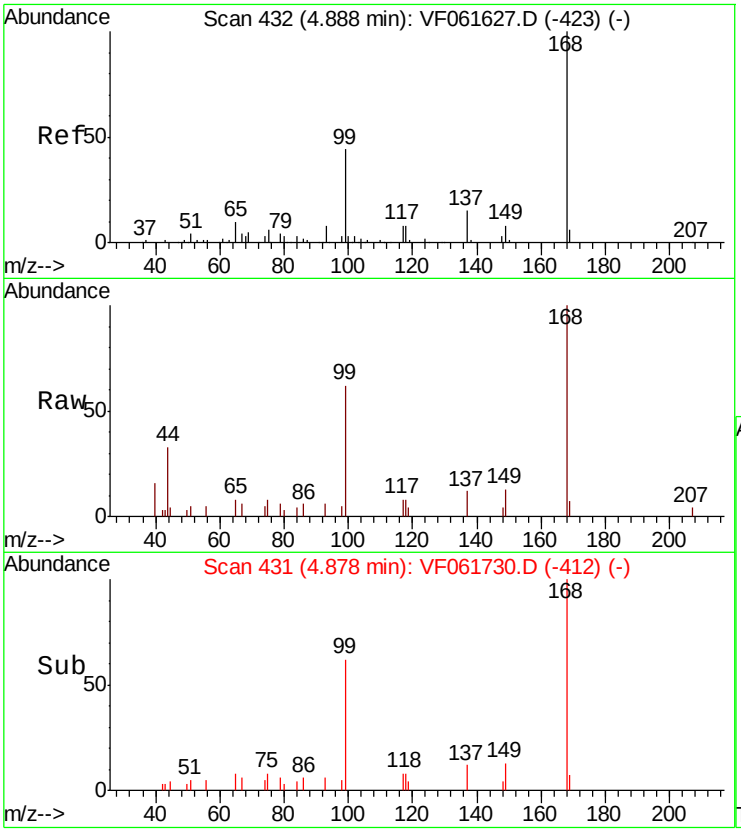
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022519\
Data File : VF061730.D
Acq On : 25 Feb 2019 15:09
Operator : VA/AP
Sample : K1348-05
Misc : 5.95g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OK-03-022219-B

Quant Time: Feb 26 04:32:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration



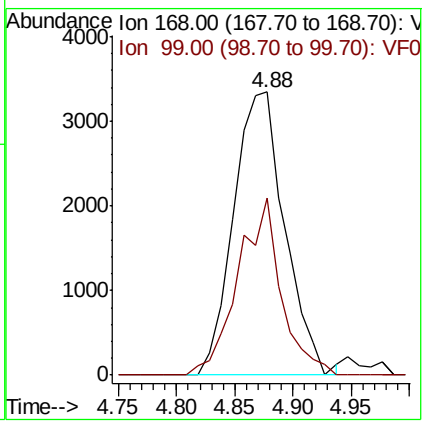


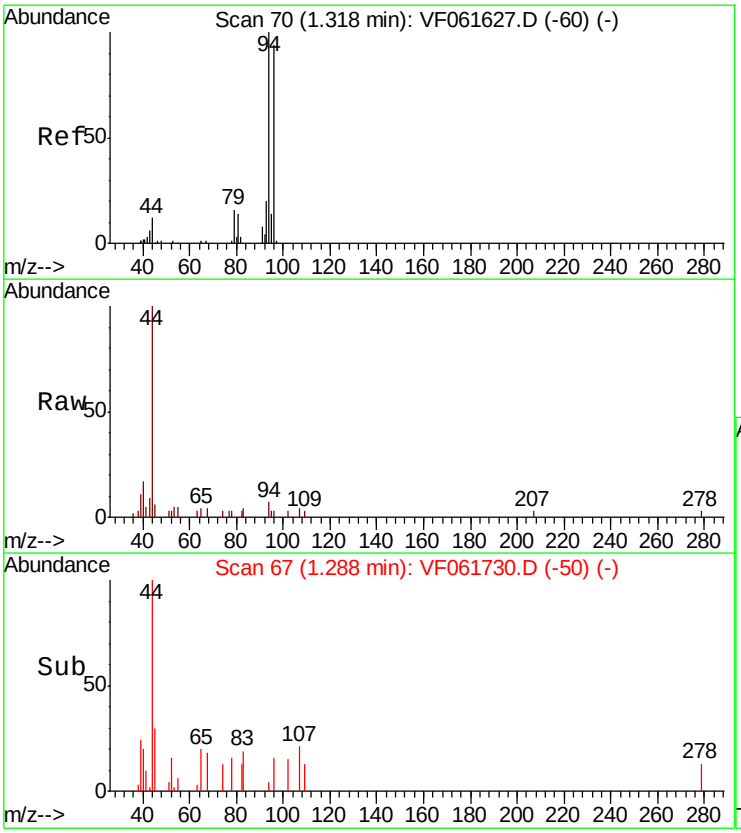
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :
OK-03-022219-B

Tgt Ion:168 Resp: 10192

Ion	Ratio	Lower	Upper
168	100		
99	62.4	34.9	52.3#

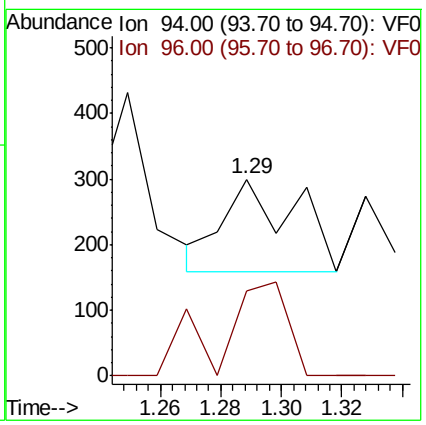


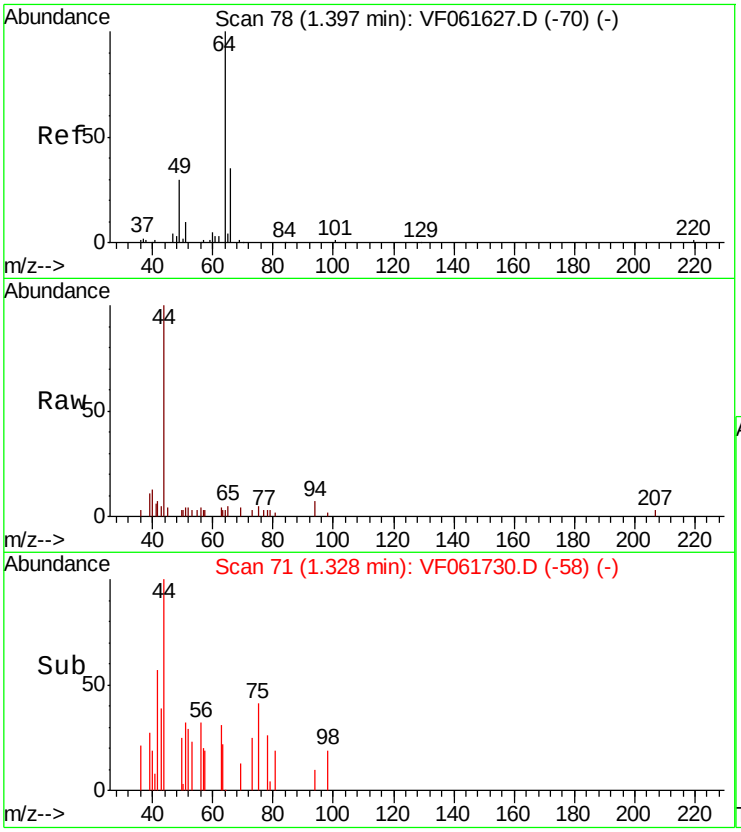


#5
Bromomethane
Concen: 2.927 ug/l
RT: 1.29 min Scan# 67
Delta R.T. -0.03 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 94 Resp: 230

Ion	Ratio	Lower	Upper
94	100		
96	43.3	74.6	112.0#



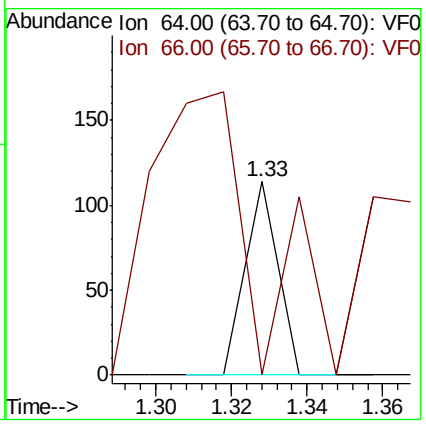


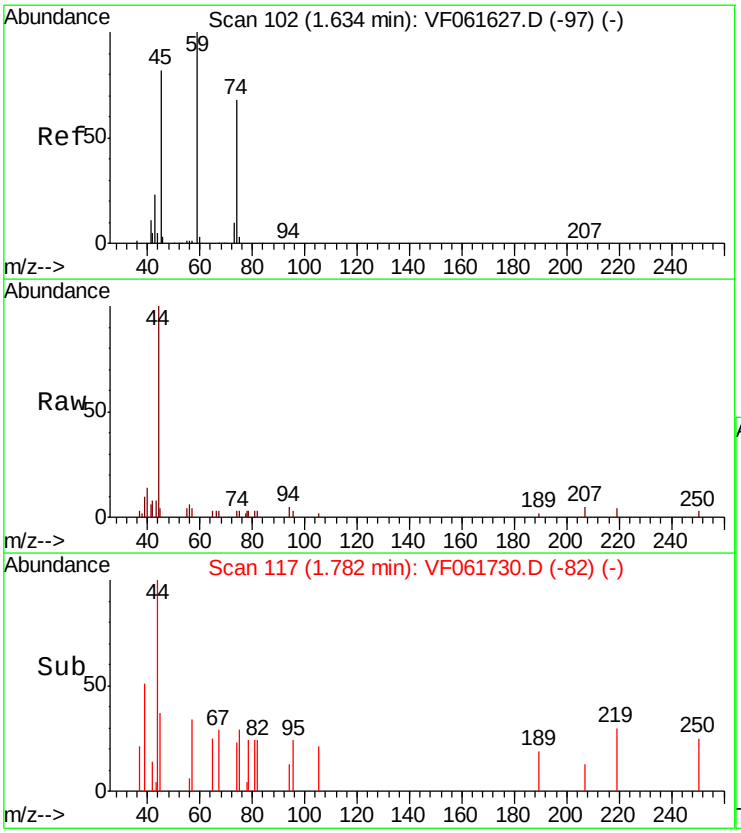
#6
Chloroethane
Concen: 1.191 ug/l
RT: 1.33 min Scan# 71
Delta R.T. -0.07 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :
OK-03-022219-B

Tgt Ion: 64 Resp: 67

Ion	Ratio	Lower	Upper
64	100		
66	0.0	27.9	41.9#

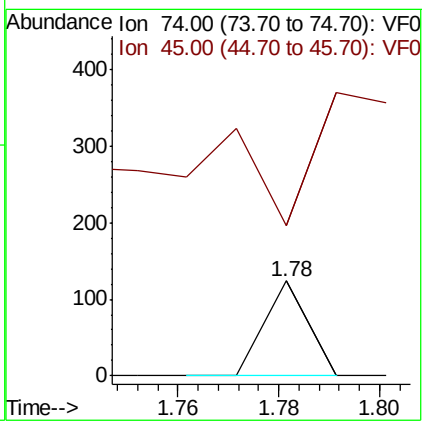


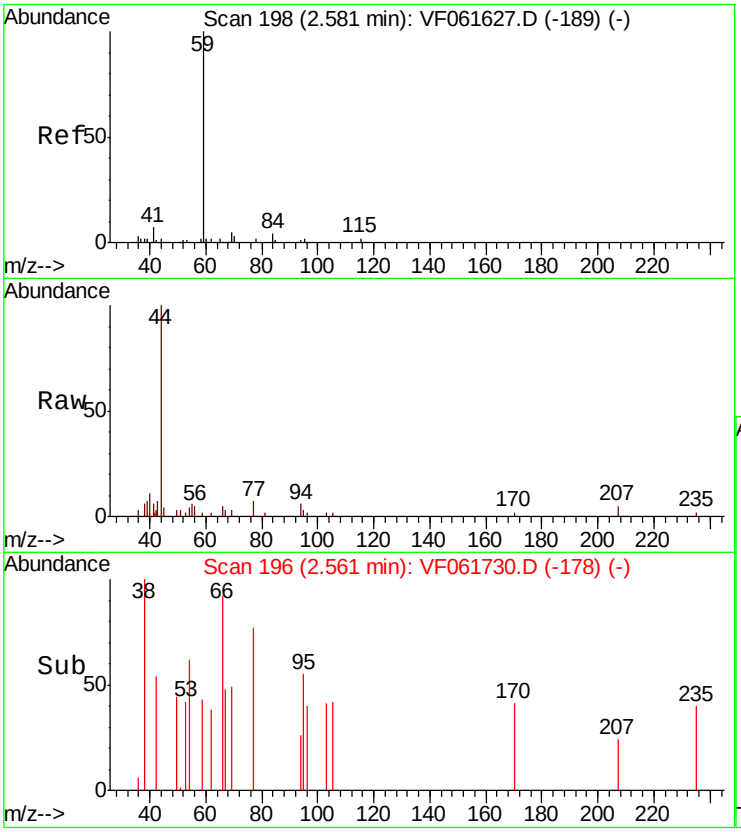


#8
Diethyl Ether
Concen: 2.104 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.15 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 74 Resp: 73

Ion	Ratio	Lower	Upper
74	100		
45	158.1	60.8	182.3



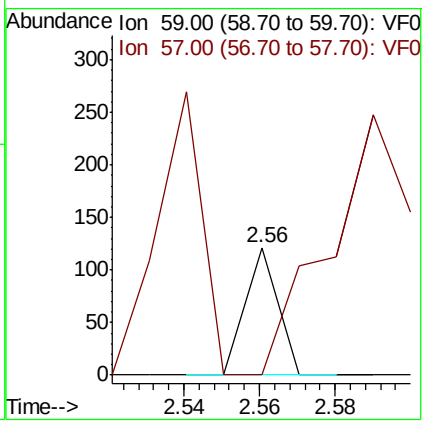


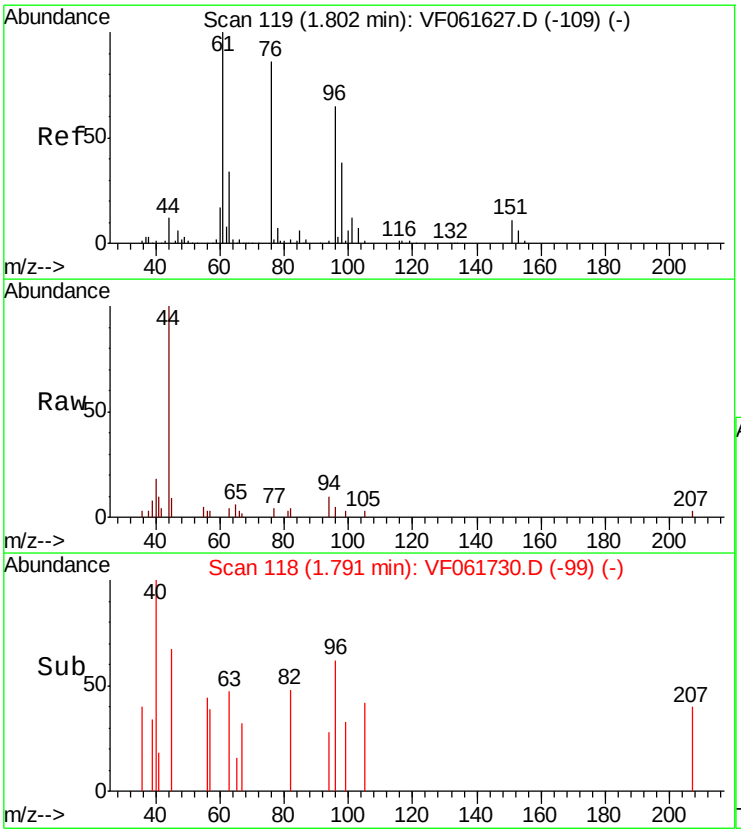
#11
Tert butyl alcohol
Concen: 16.646 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion: 59 Resp: 72

Ion	Ratio	Lower	Upper
59	100		
57	0.0	12.5	18.7#

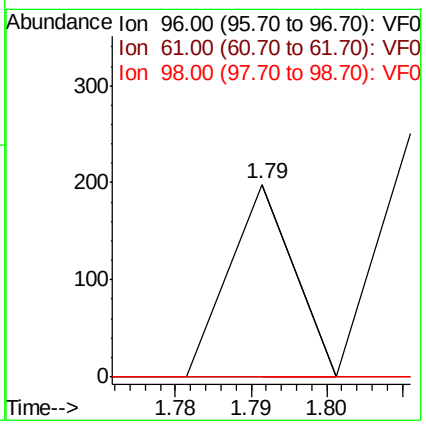


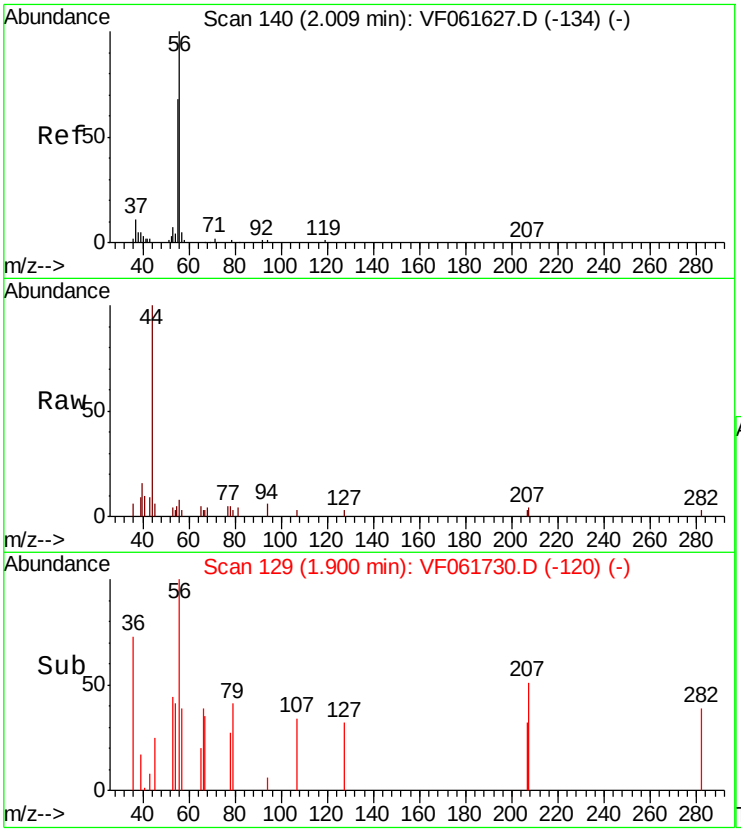


#12
1,1-Dichloroethene
Concen: 1.340 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 96 Resp: 117

Ion	Ratio	Lower	Upper
96	100		
61	0.0	122.6	184.0#
98	0.0	47.2	70.8#



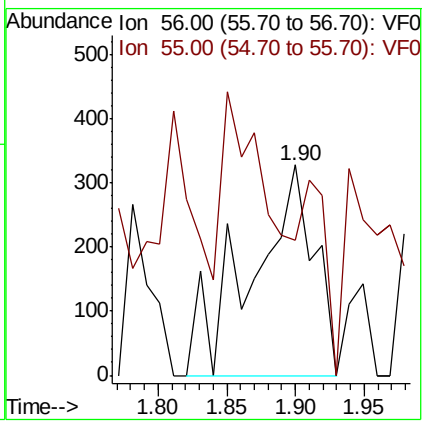


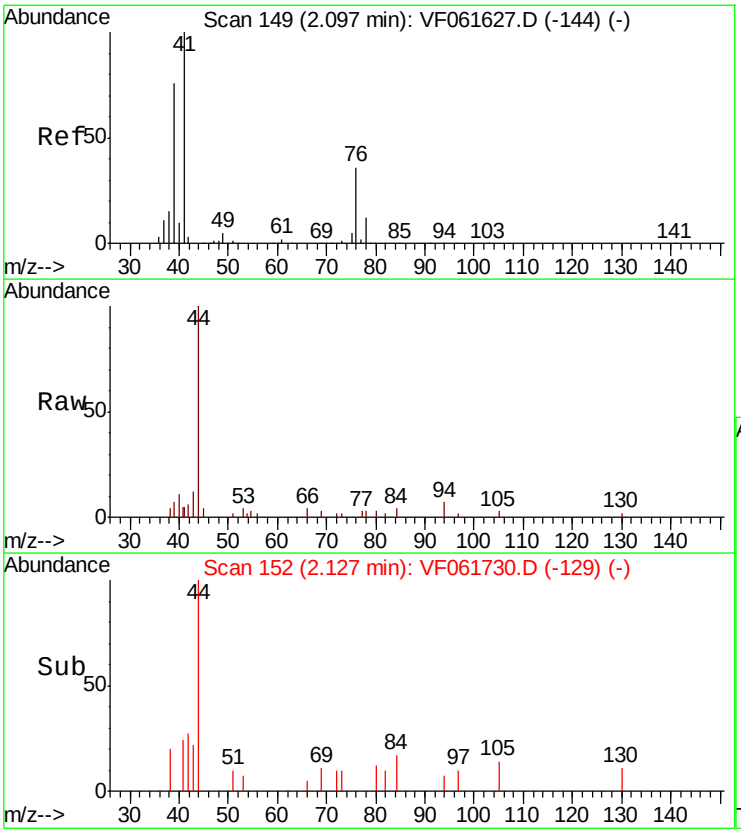
#13
Acrolein
Concen: 192.042 ug/l
RT: 1.90 min Scan# 129
Delta R.T. -0.11 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion: 56 Resp: 1044

Ion	Ratio	Lower	Upper
56	100		
55	64.2	55.0	82.6

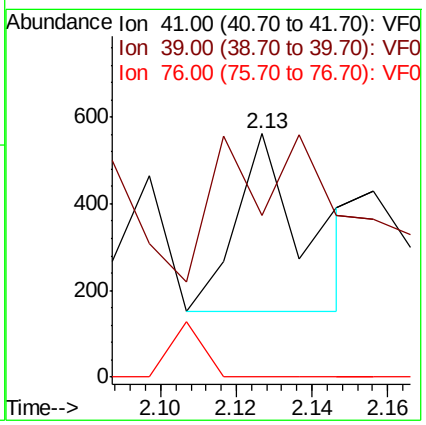


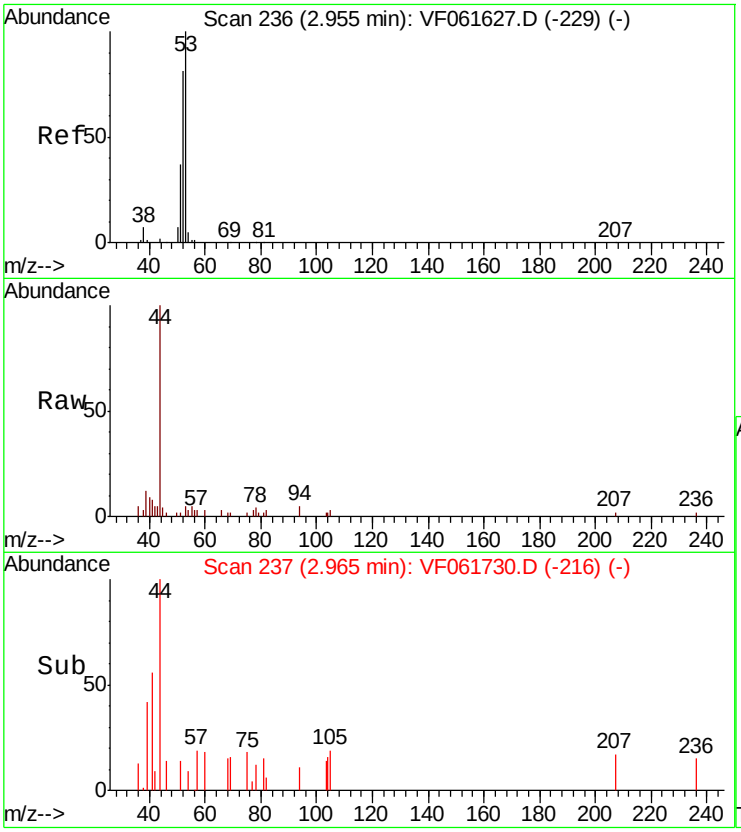


#14
Allyl chloride
Concen: 4.880 ug/l
RT: 2.13 min Scan# 152
Delta R.T. 0.03 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 41 Resp: 523

Ion	Ratio	Lower	Upper
41	100		
39	66.4	61.6	92.4
76	0.0	30.3	45.5#



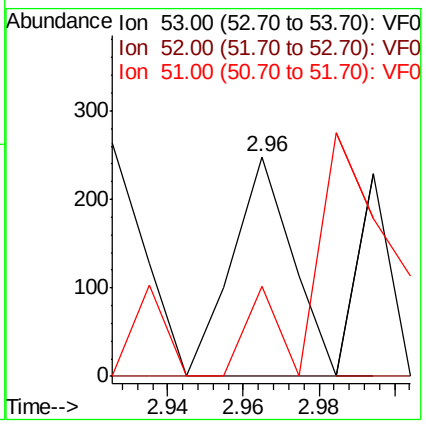


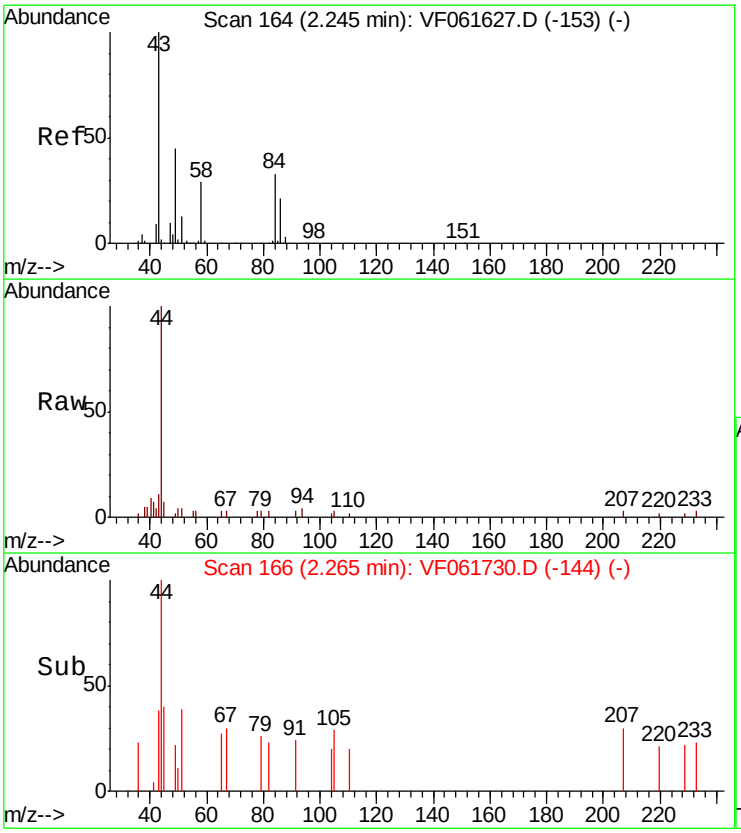
#15
Acrylonitrile
Concen: 17.794 ug/l
RT: 2.96 min Scan# 237
Delta R.T. 0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion: 53 Resp: 273

Ion	Ratio	Lower	Upper
53	100		
52	0.0	64.6	97.0#
51	41.1	29.8	44.8

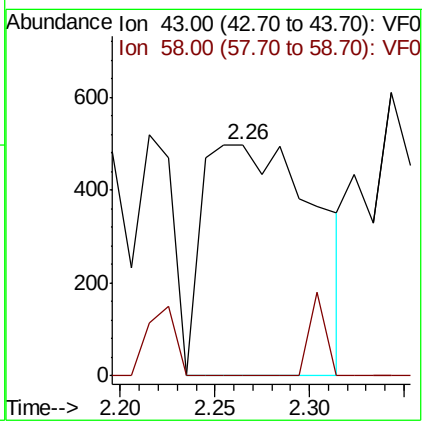


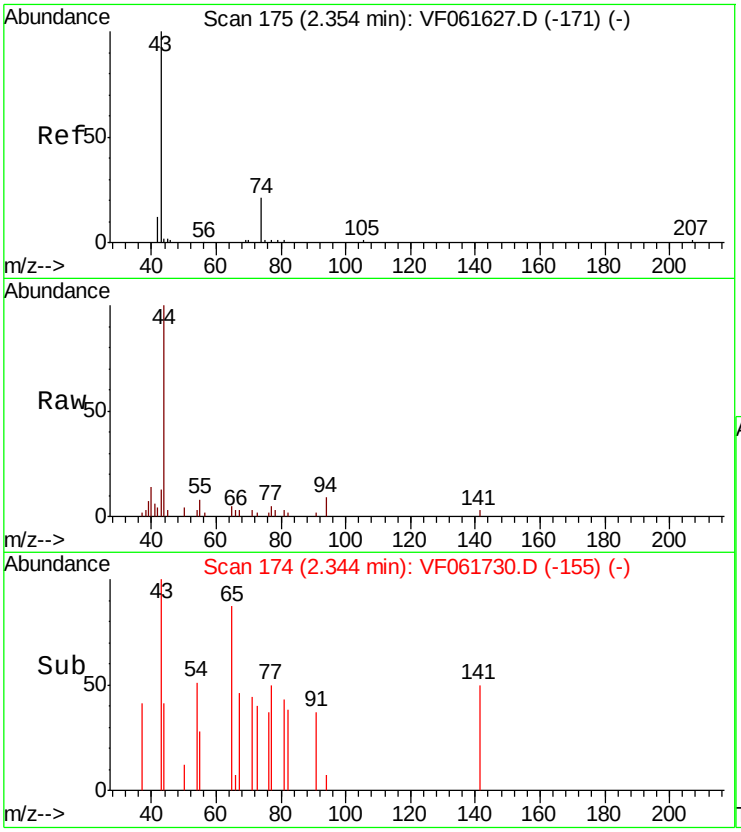


#16
Acetone
Concen: 128.650 ug/l
RT: 2.26 min Scan# 166
Delta R.T. 0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 43 Resp: 2063

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.9	34.3#



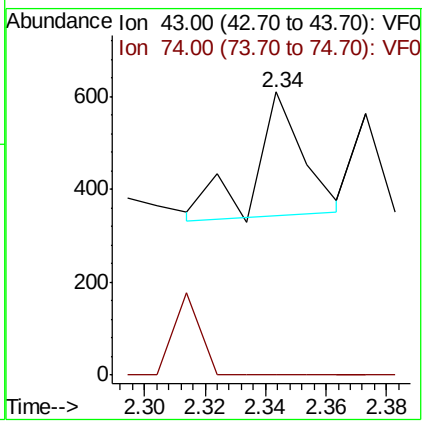


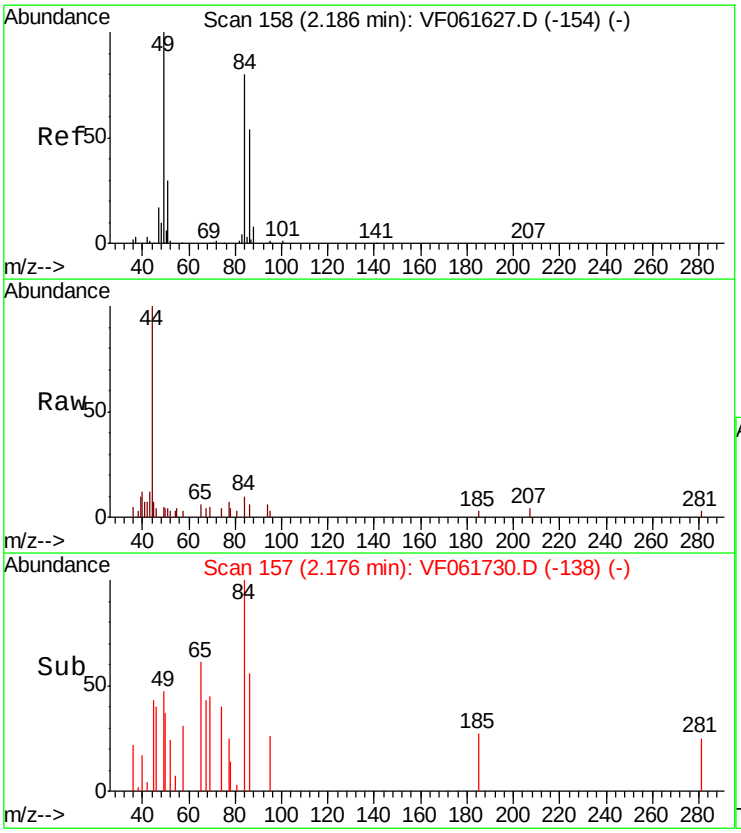
#18
Methyl Acetate
Concen: 8.111 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion: 43 Resp: 293

Ion	Ratio	Lower	Upper
43	100		
74	0.0	14.6	21.8#

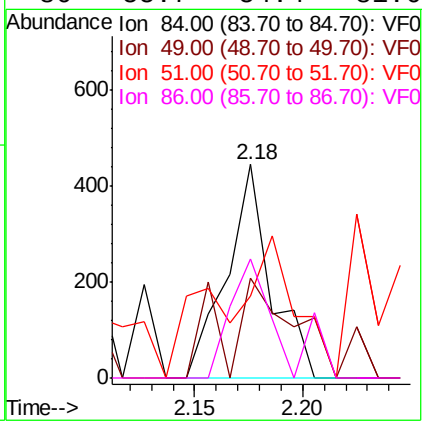


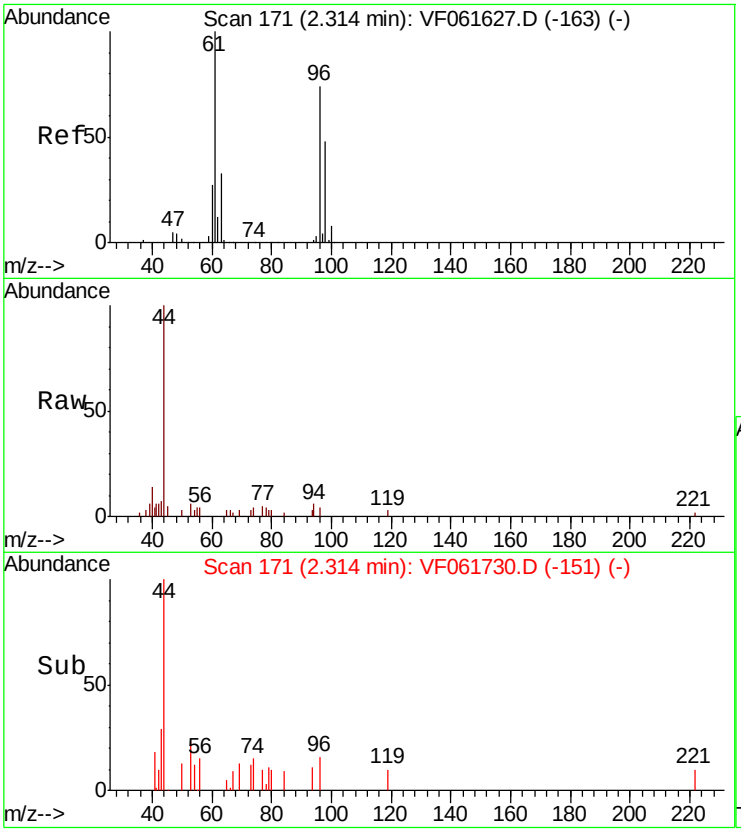


#20
Methylene Chloride
Concen: 5.116 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 84 Resp: 634

Ion	Ratio	Lower	Upper
84	100		
49	47.0	101.8	152.8#
51	62.7	31.1	46.7#
86	55.7	54.4	81.6



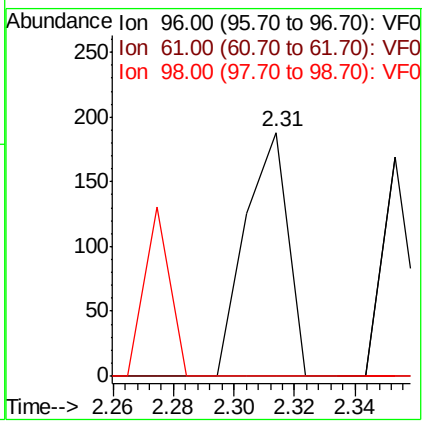


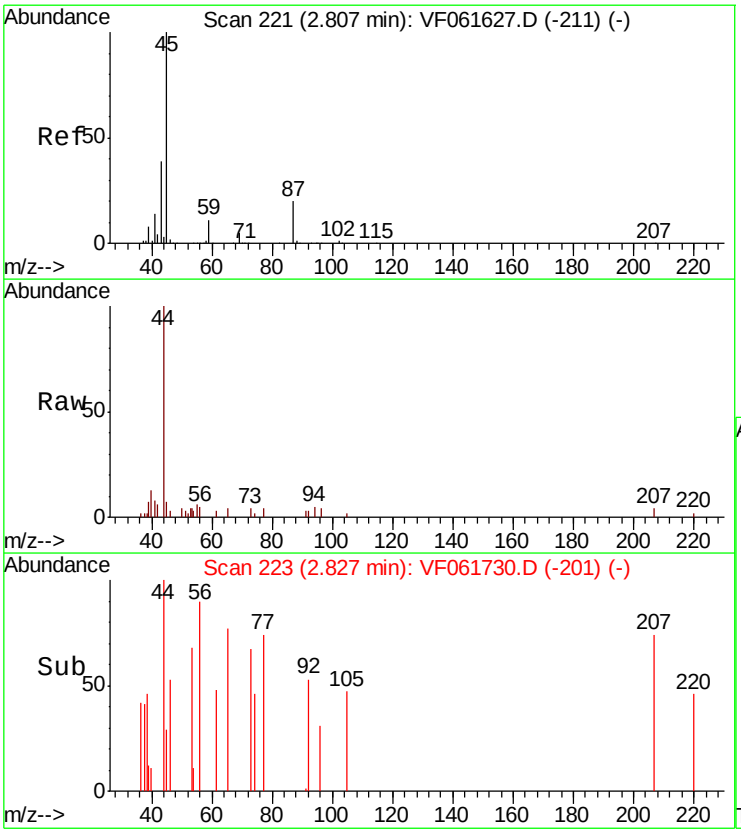
#21
trans-1,2-Dichloroethene
Concen: 1.959 ug/l
RT: 2.31 min Scan# 171
Delta R.T. -0.00 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion: 96 Resp: 186

Ion	Ratio	Lower	Upper
96	100		
61	0.0	108.2	162.4#
98	0.0	52.2	78.2#

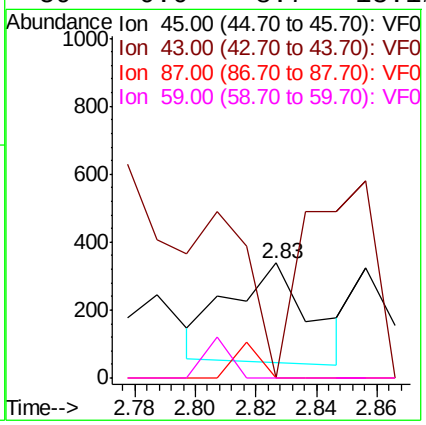


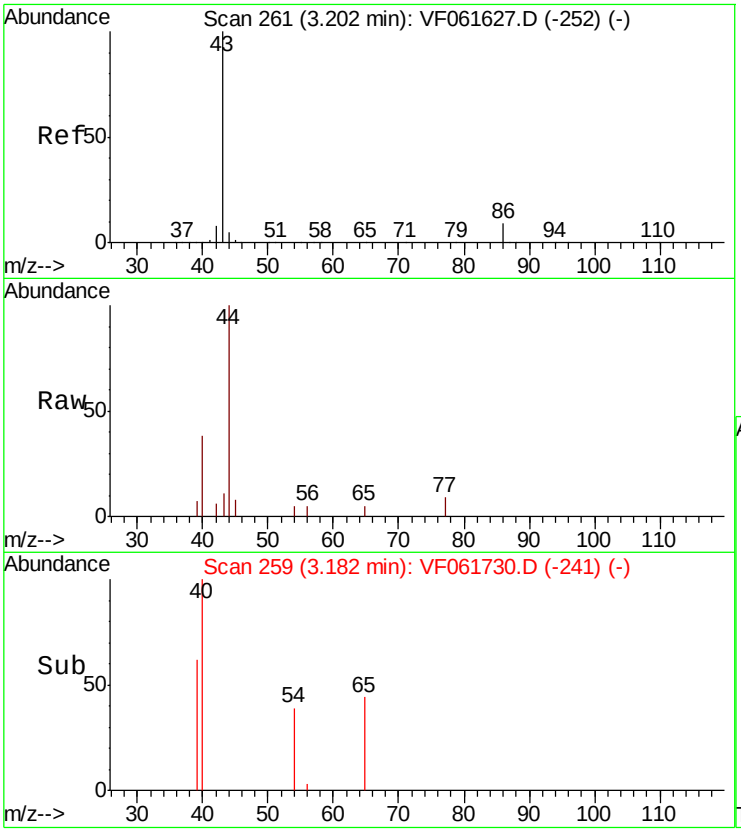


#22
Diisopropyl ether
Concen: 2.099 ug/l
RT: 2.83 min Scan# 223
Delta R.T. 0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 45 Resp: 540

Ion	Ratio	Lower	Upper
45	100		
43	0.0	31.4	47.2#
87	0.0	16.3	24.5#
59	0.0	8.7	13.1#



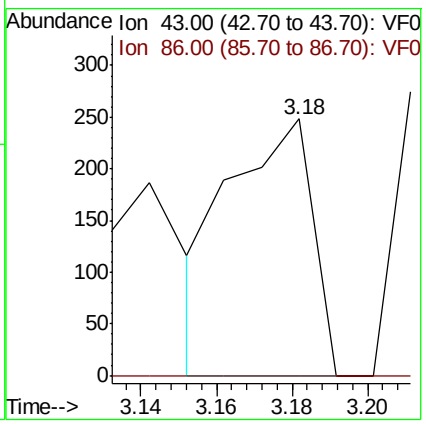


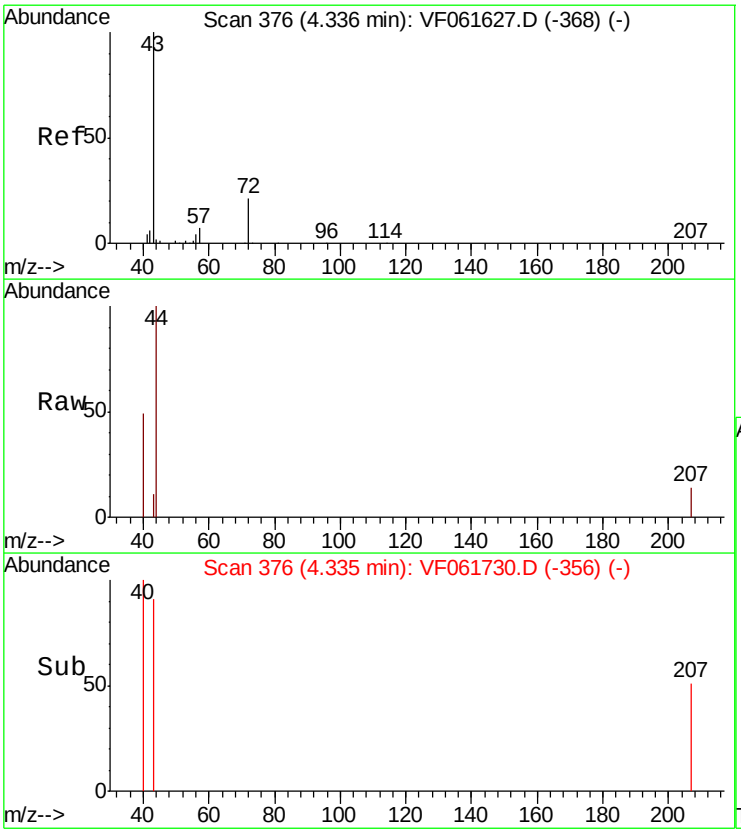
#23
Vinyl Acetate
Concen: 3.008 ug/l
RT: 3.18 min Scan# 259
Delta R.T. -0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion: 43 Resp: 378

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#

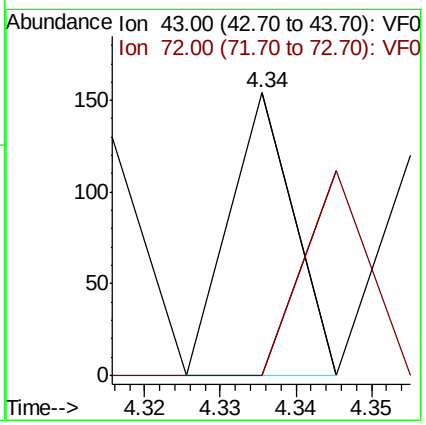


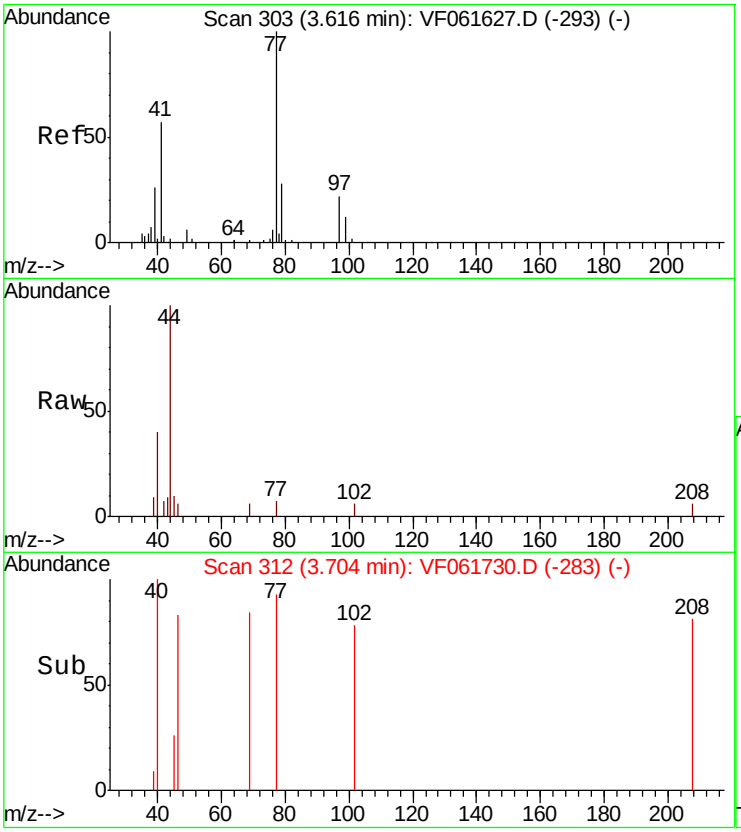


#25
2-Butanone
Concen: 2.598 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.00 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 43 Resp: 91

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.1	25.7#



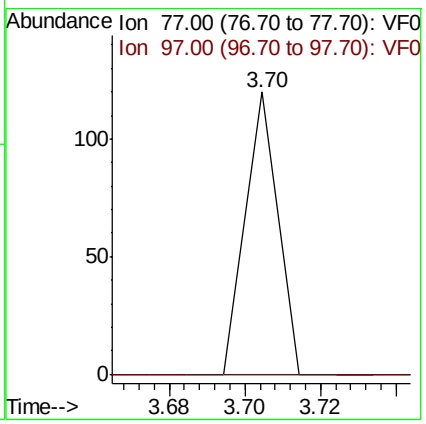


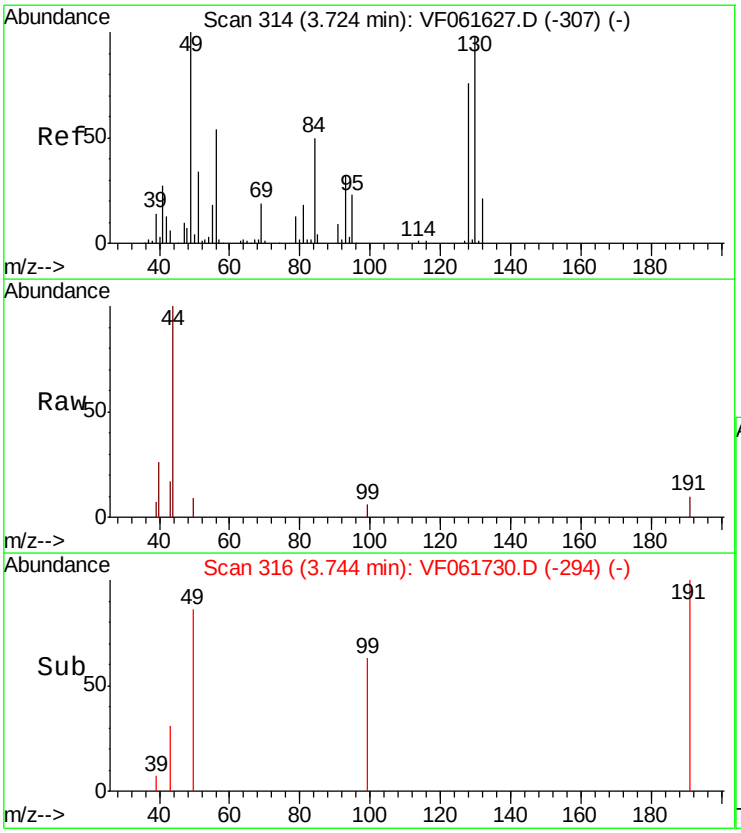
#26
2,2-Dichloropropane
Concen: 1.077 ug/l
RT: 3.70 min Scan# 312
Delta R.T. 0.09 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :
OK-03-022219-B

Tgt Ion: 77 Resp: 71

Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.7	35.0#

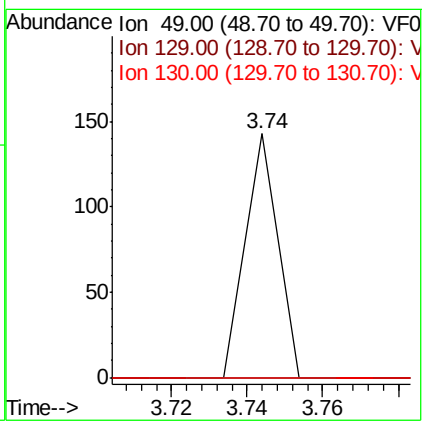


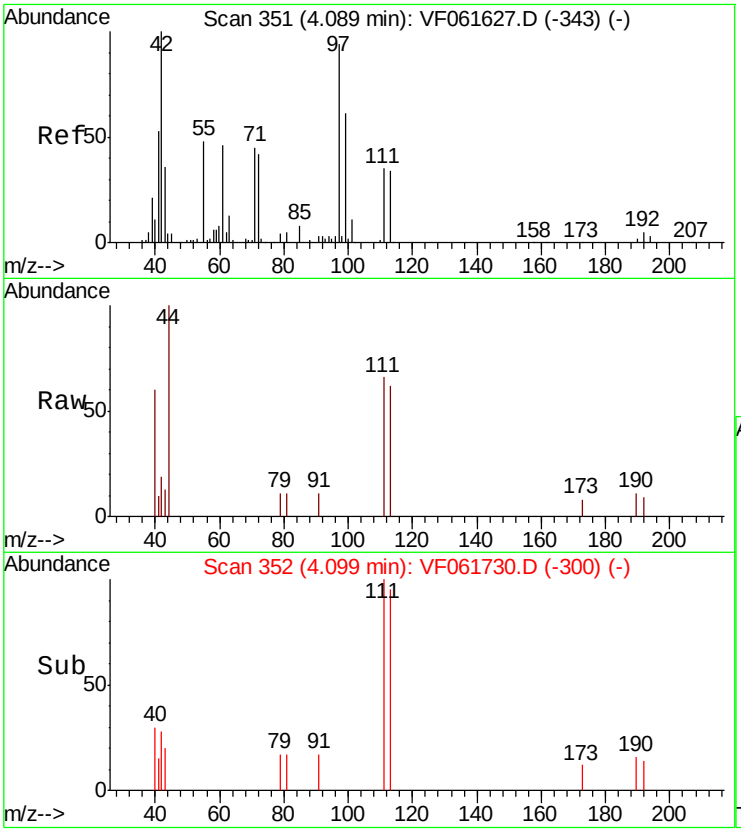


#28
Bromochloromethane
Concen: 1.138 ug/l
RT: 3.74 min Scan# 316
Delta R.T. 0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 49 Resp: 85

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	0.0	77.7	116.5#



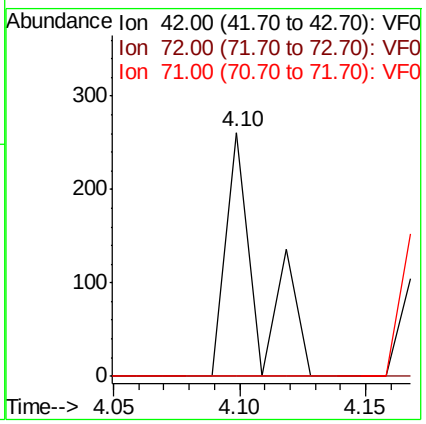


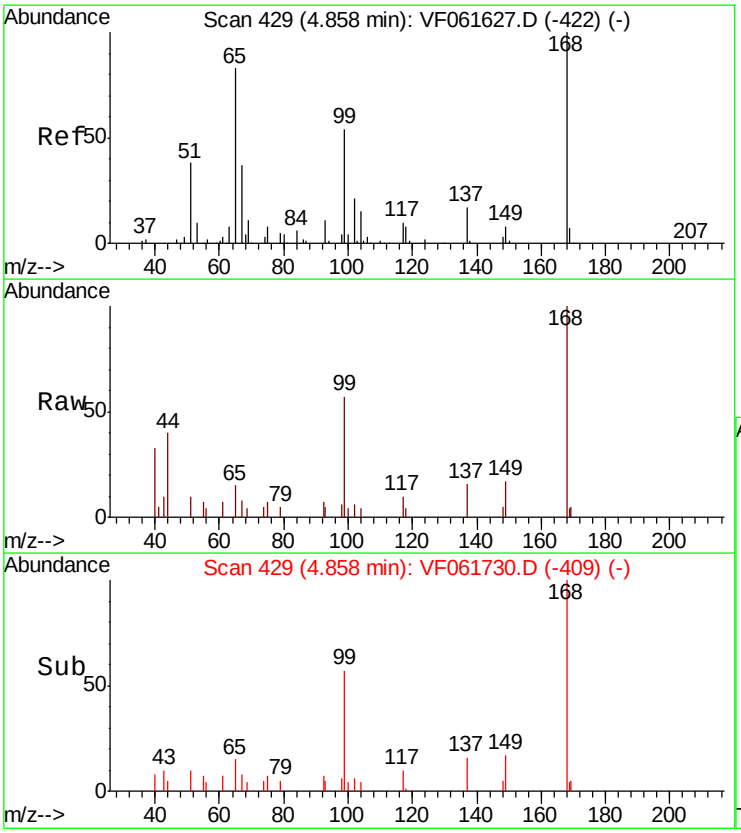
#29
Tetrahydrofuran
Concen: 14.761 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :
OK-03-022219-B

Tgt Ion: 42 Resp: 235

Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.2	52.8#
71	0.0	32.9	49.3#

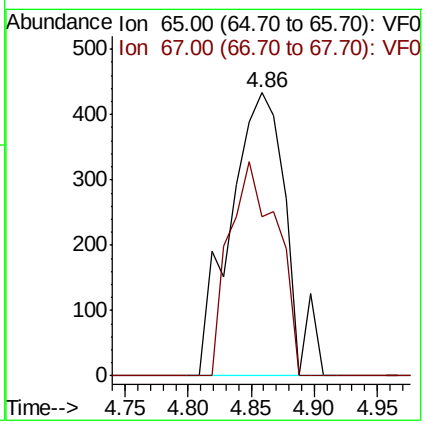


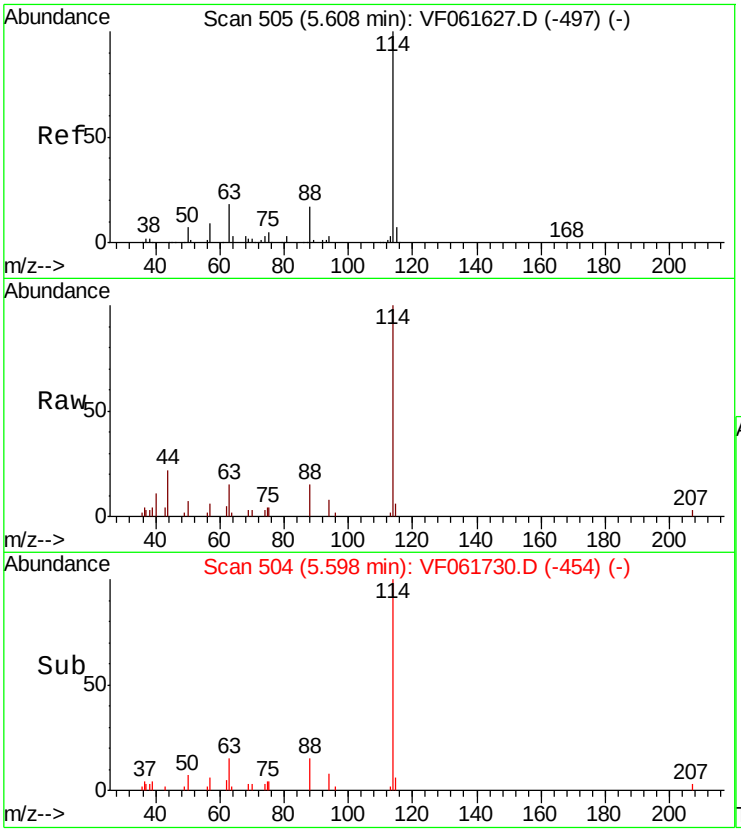


#33
1,2-Dichloroethane-d4
Concen: 17.835 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.00 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 65 Resp: 1333

Ion	Ratio	Lower	Upper
65	100		
67	56.1	0.0	104.0



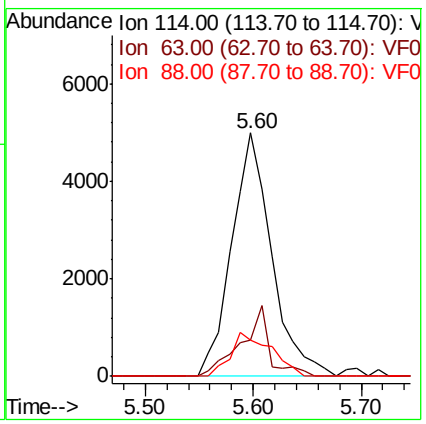


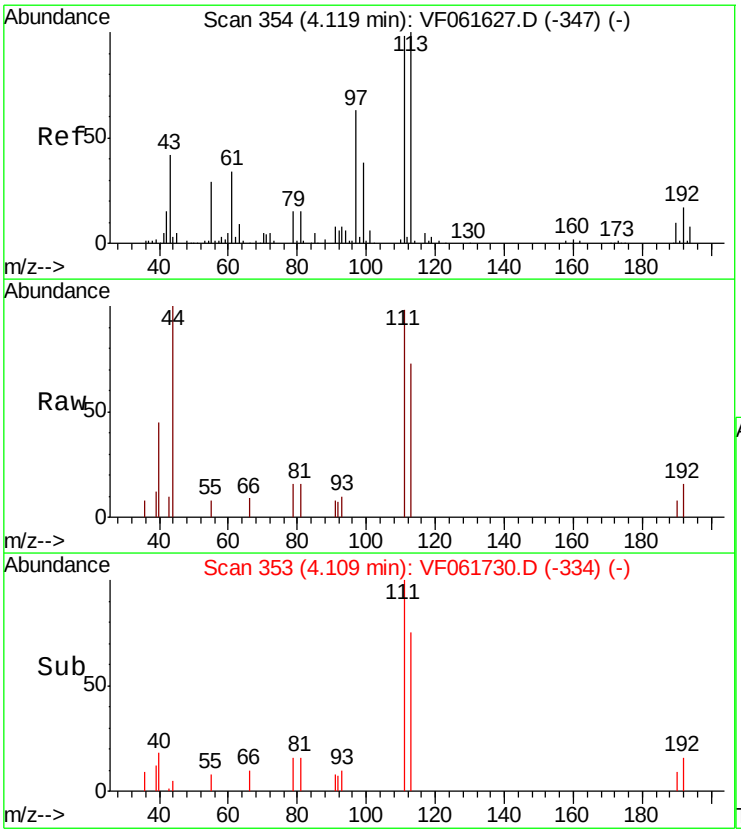
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :
OK-03-022219-B

Tgt Ion:114 Resp: 12817

Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	36.6
88	15.1	0.0	34.4

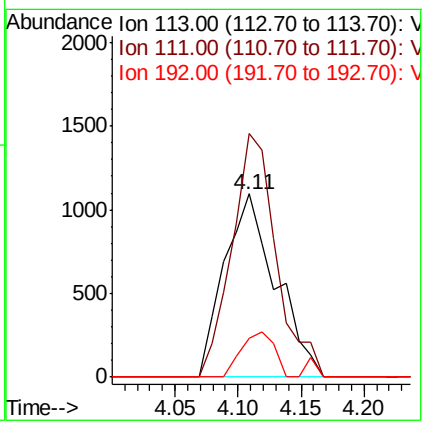


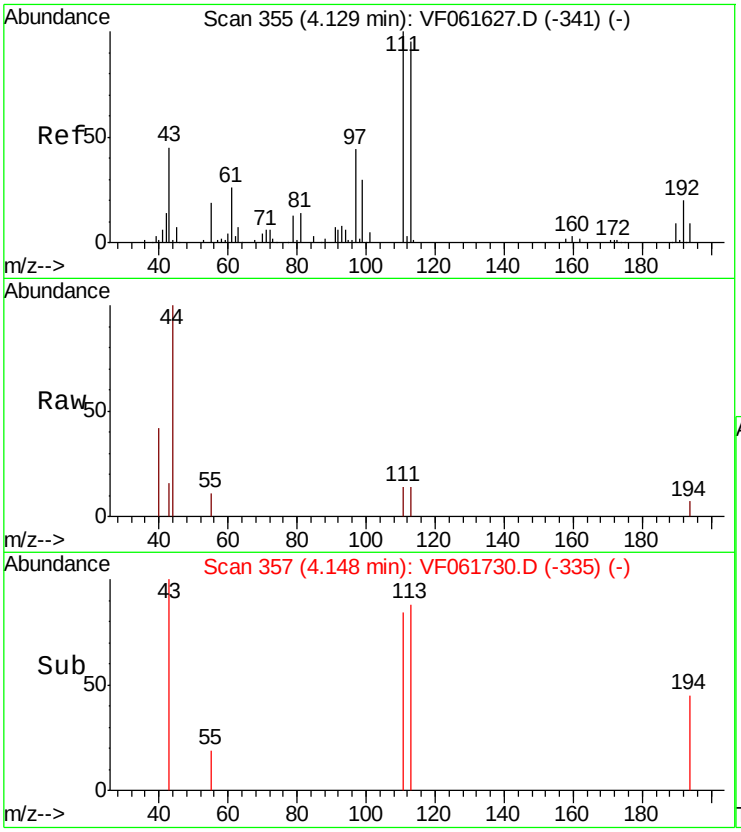


#35
Dibromofluoromethane
Concen: 32.601 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion:113 Resp: 3103

Ion	Ratio	Lower	Upper
113	100		
111	132.9	78.8	118.2#
192	21.4	13.4	20.0#



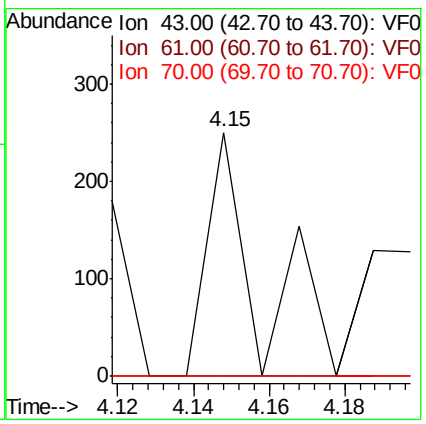


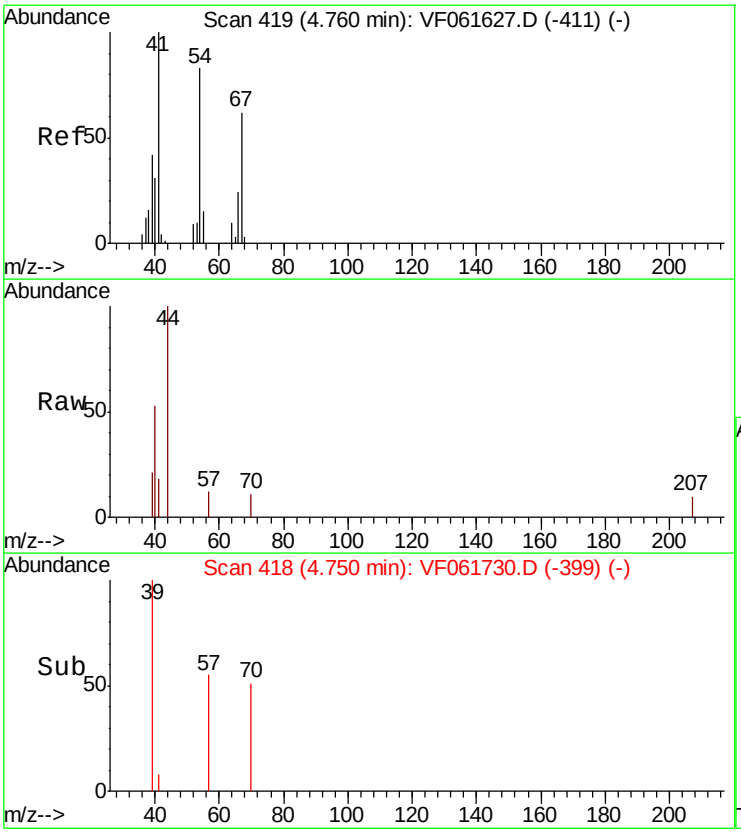
#37
Ethyl Acetate
Concen: 4.053 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion: 43 Resp: 239

Ion	Ratio	Lower	Upper
43	100		
61	0.0	45.7	68.5#
70	0.0	8.5	12.7#

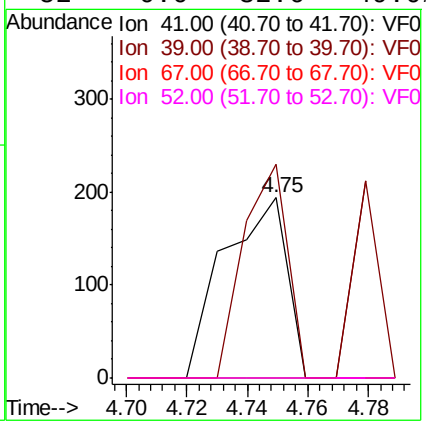


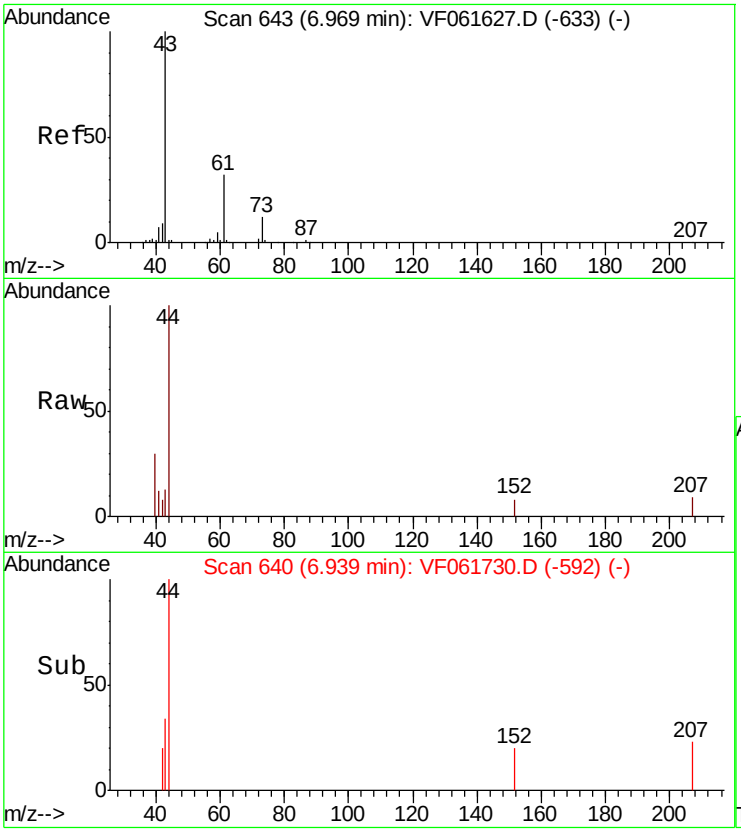


#41
Methacrylonitrile
Concen: 9.384 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 41 Resp: 283

Ion	Ratio	Lower	Upper
41	100		
39	118.6	45.3	67.9#
67	0.0	49.3	73.9#
52	0.0	32.6	49.0#



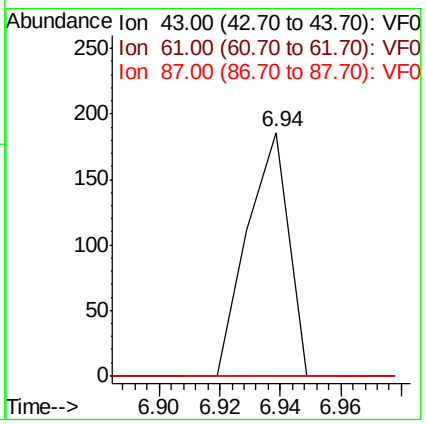


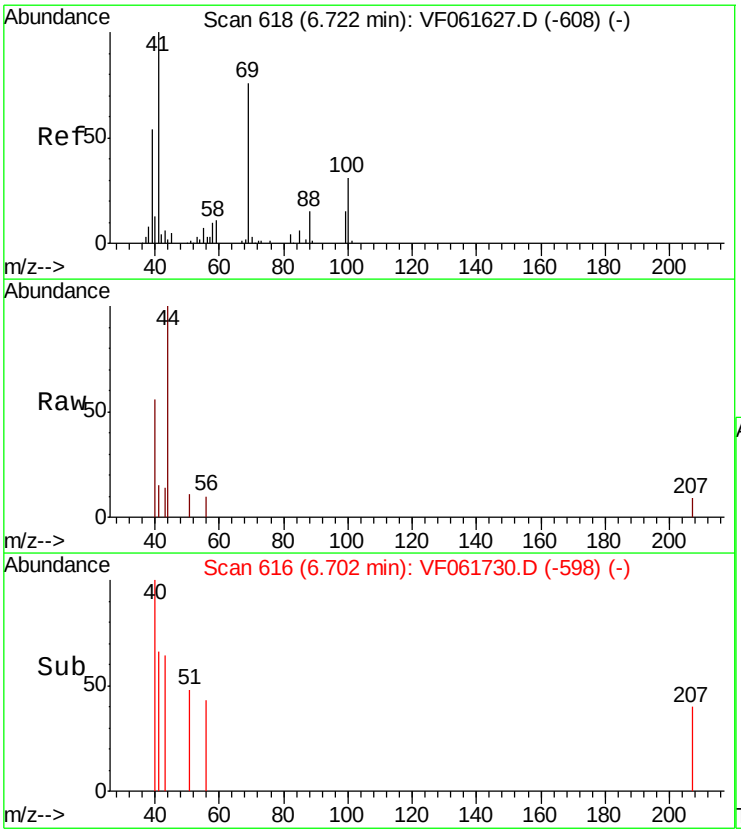
#43
Isopropyl Acetate
Concen: 2.521 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.03 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion: 43 Resp: 176

Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.8	38.6#
87	0.0	0.4	0.6#

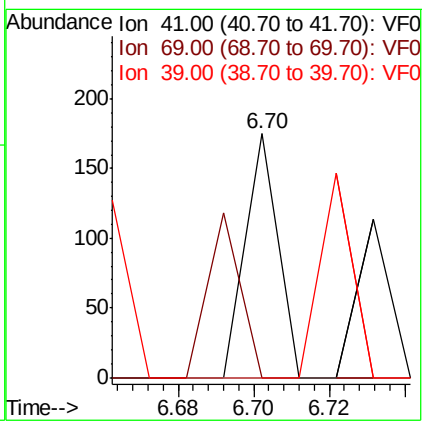


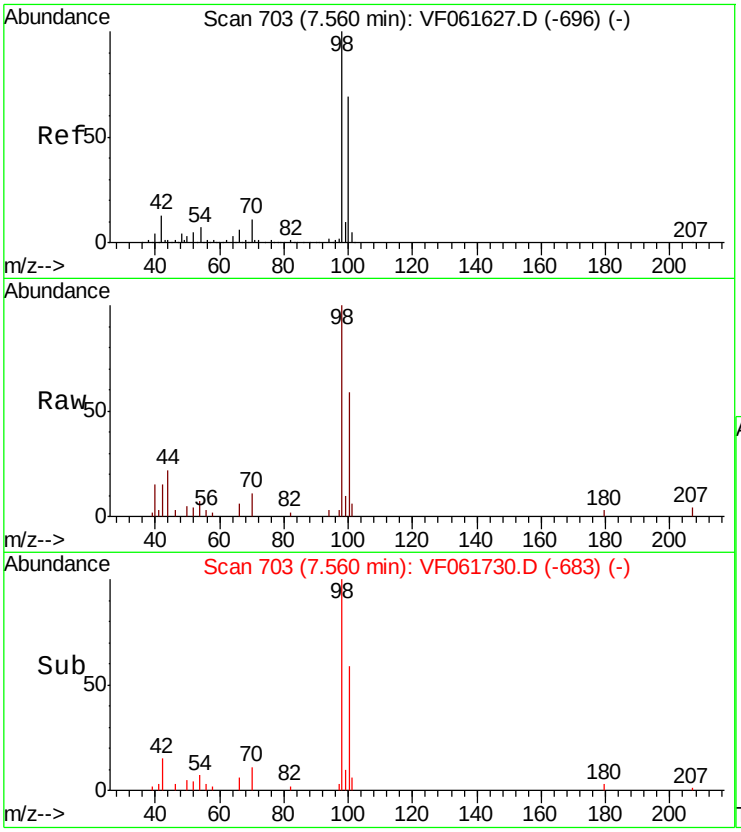


#48
Methyl methacrylate
Concen: 2.476 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 41 Resp: 104

Ion	Ratio	Lower	Upper
41	100		
69	0.0	60.4	90.6#
39	0.0	43.7	65.5#



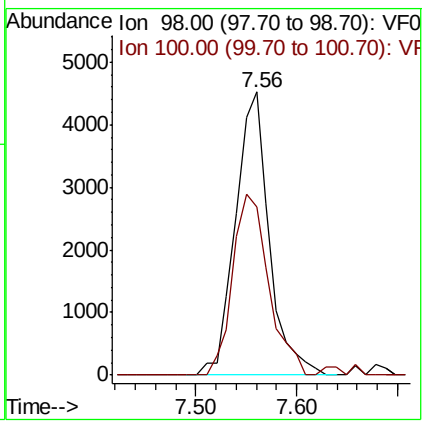


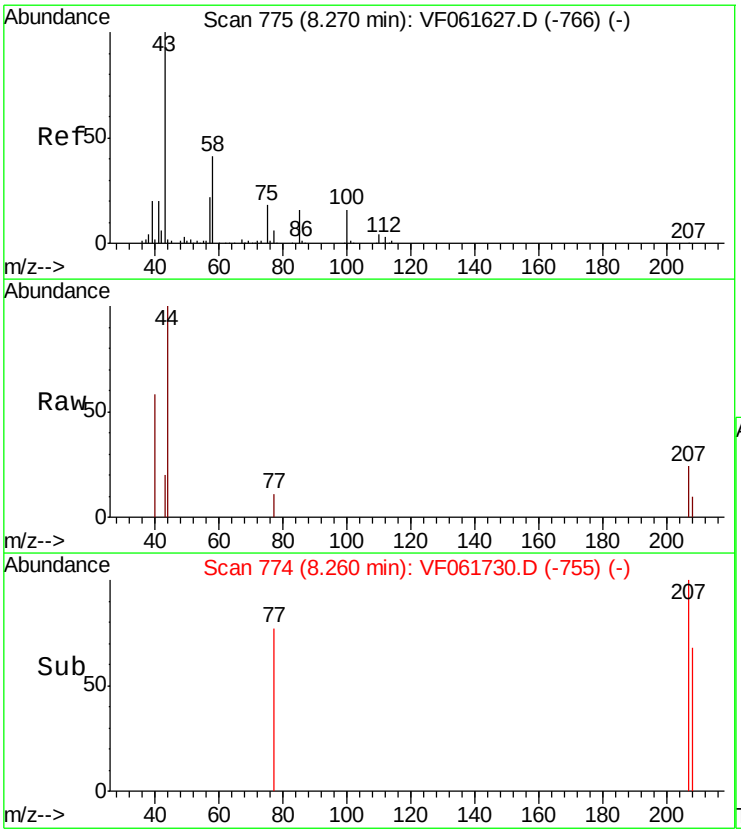
#50
Toluene-d8
Concen: 38.620 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :
OK-03-022219-B

Tgt Ion: 98 Resp: 10567

Ion	Ratio	Lower	Upper
98	100		
100	59.5	55.4	83.2

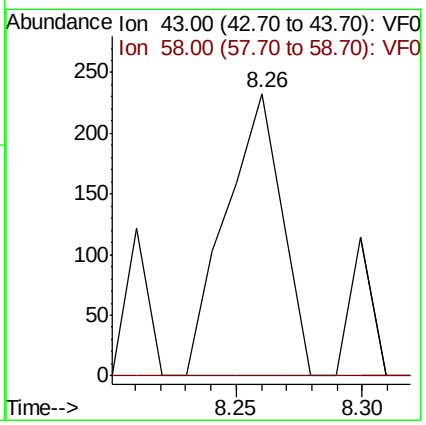


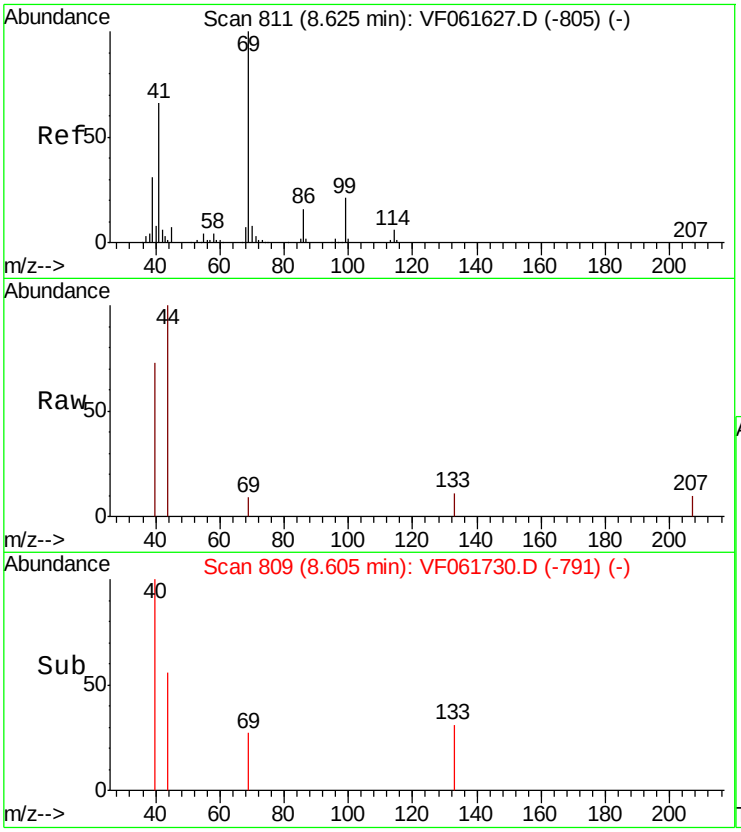


#51
4-Methyl-2-Pentanone
Concen: 7.238 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 43 Resp: 361

Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.1	49.7#



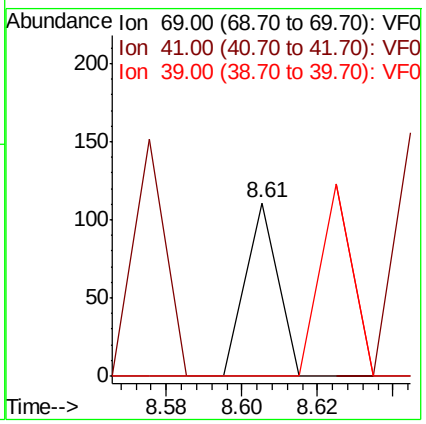


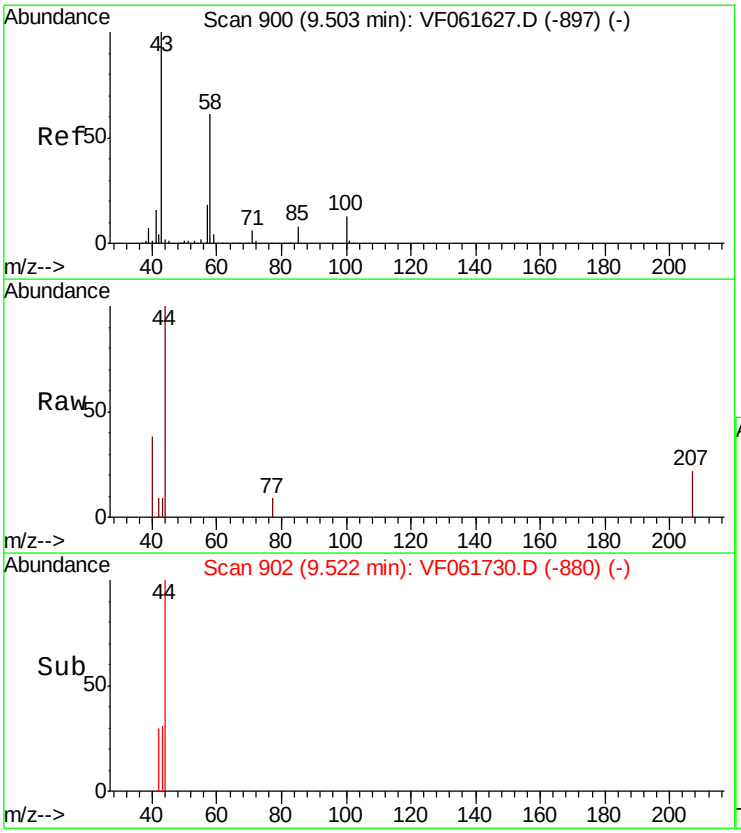
#56
Ethyl methacrylate
Concen: 1.002 ug/l
RT: 8.61 min Scan# 809
Delta R.T. -0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion: 69 Resp: 66

Ion	Ratio	Lower	Upper
69	100		
41	0.0	52.9	79.3#
39	0.0	24.5	36.7#

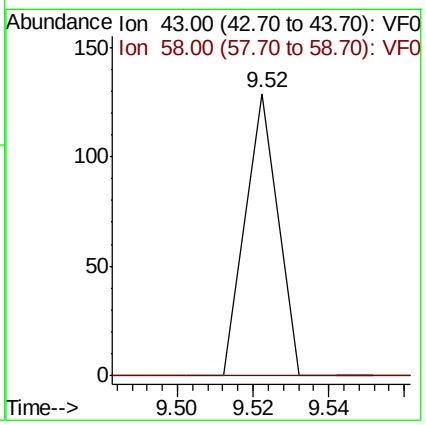


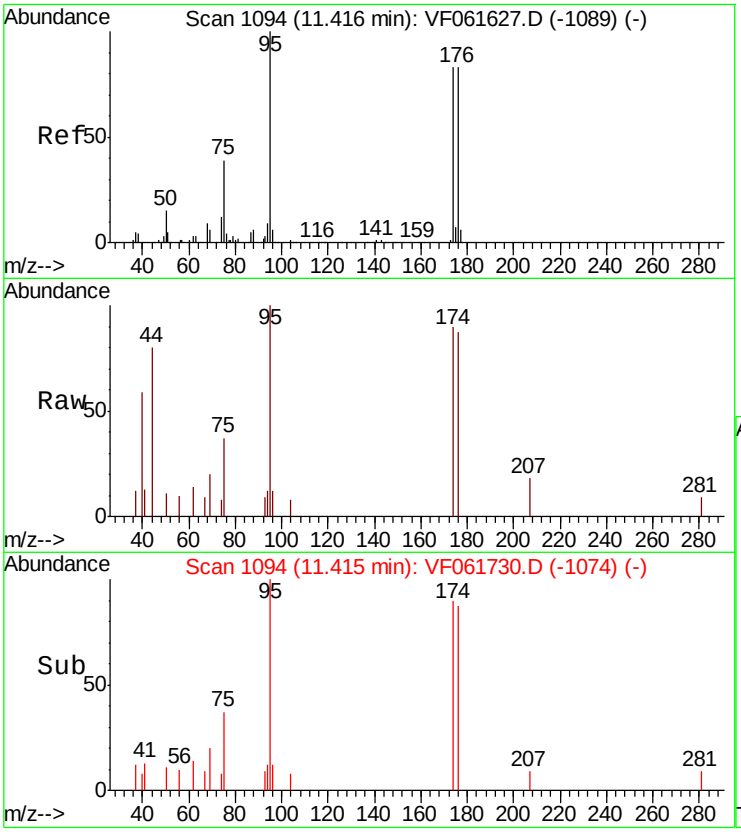


#59
2-Hexanone
Concen: 2.174 ug/l
RT: 9.52 min Scan# 902
Delta R.T. 0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 43 Resp: 76

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.5	85.5#



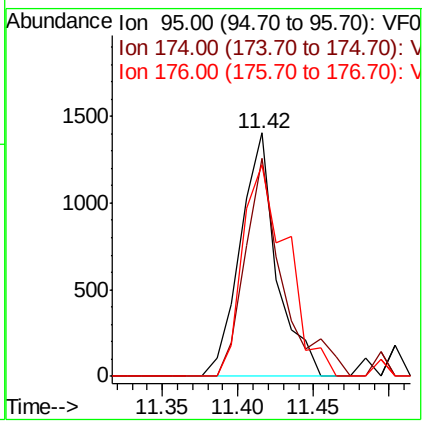


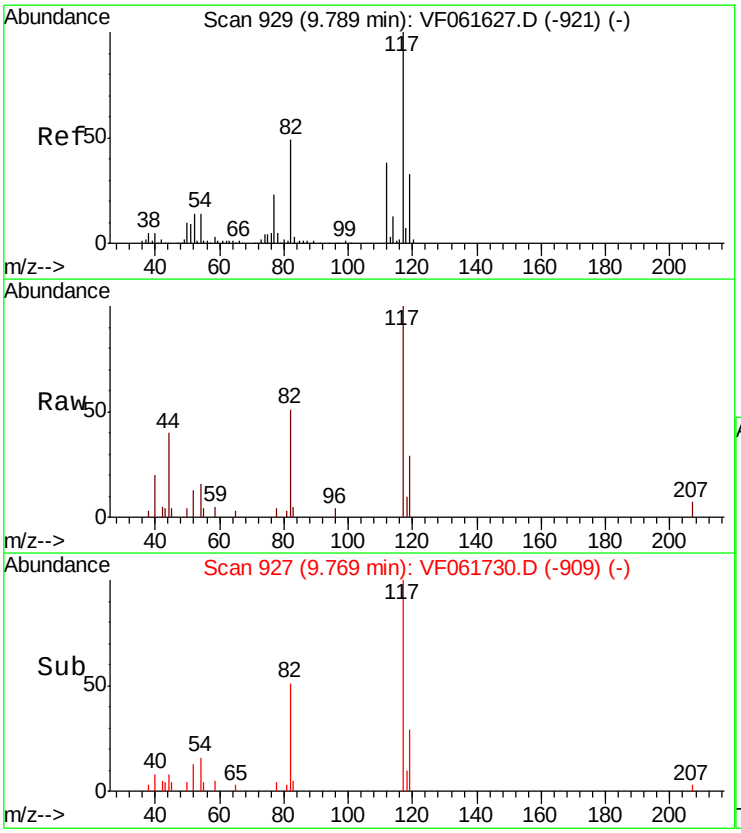
#62
4-Bromofluorobenzene
Concen: 21.335 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :
OK-03-022219-B

Tgt Ion: 95 Resp: 2362

Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	165.8
176	86.8	0.0	167.0

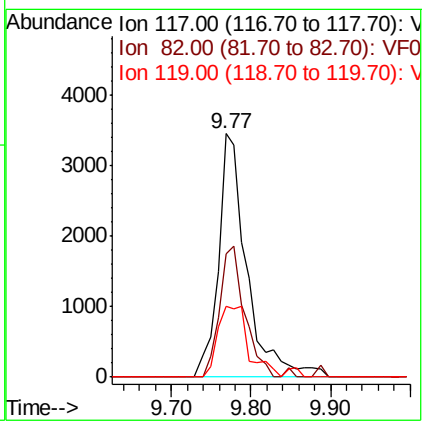


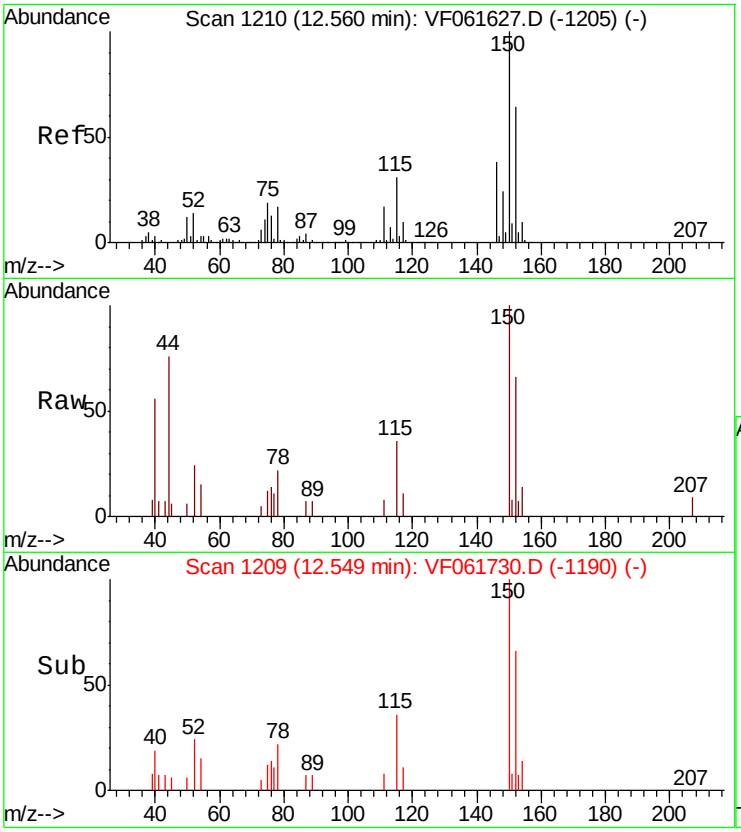


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion:117 Resp: 8670

Ion	Ratio	Lower	Upper
117	100		
82	50.8	39.3	58.9
119	29.3	26.6	40.0



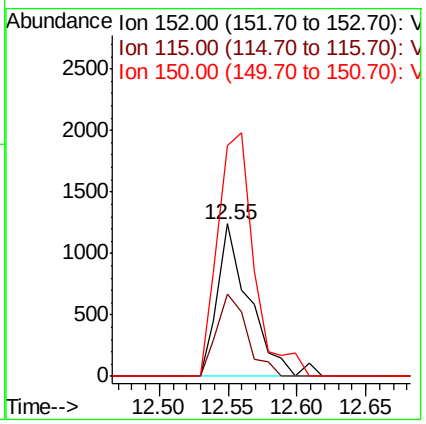


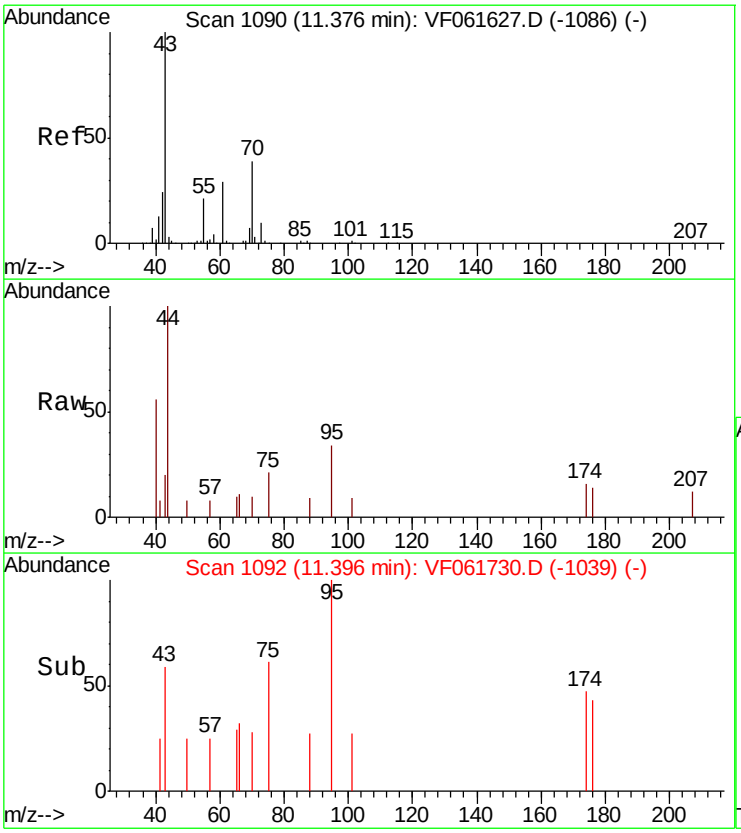
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion:152 Resp: 2025

Ion	Ratio	Lower	Upper
152	100		
115	54.0	24.3	72.8
150	151.5	0.0	312.0

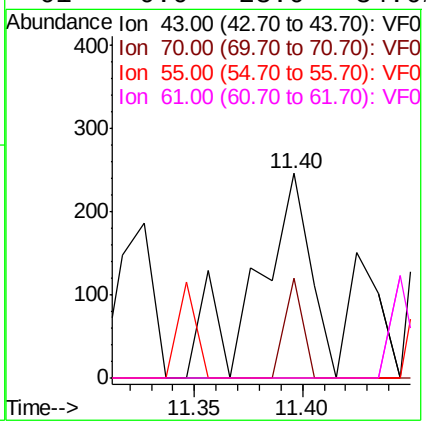


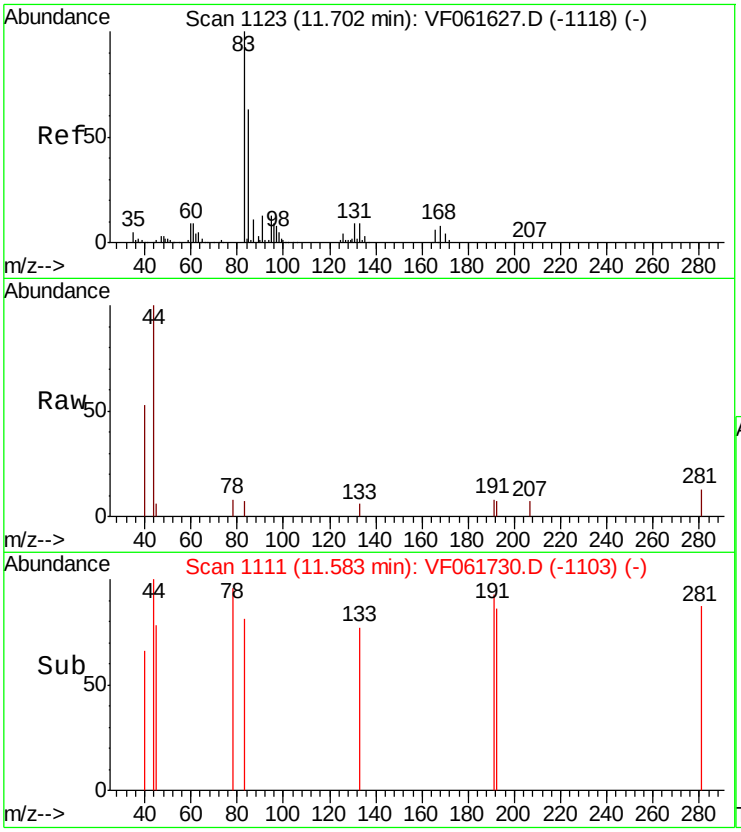


#74
N-amyl acetate
Concen: 12.541 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. 0.02 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion: 43 Resp: 434

Ion	Ratio	Lower	Upper
43	100		
70	48.6	31.5	47.3#
55	0.0	16.7	25.1#
61	0.0	23.0	34.6#



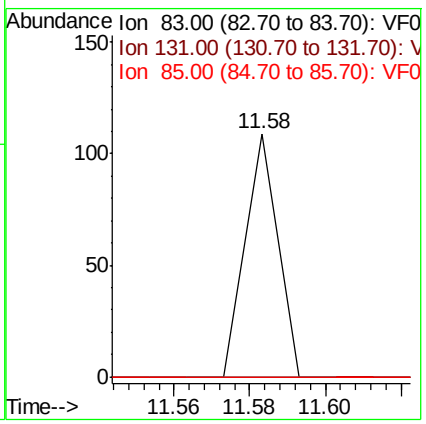


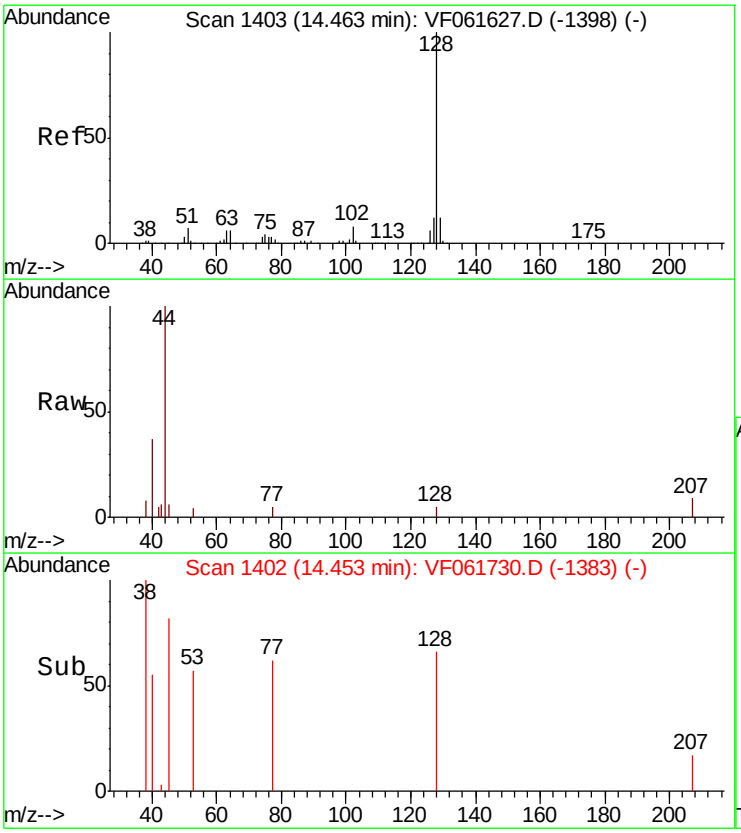
#75
1,1,2,2-Tetrachloroethane
Concen: 2.478 ug/l
RT: 11.58 min Scan# 1111
Delta R.T. -0.12 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Instrument : MSVOA_F
ClientSampleId : OK-03-022219-B

Tgt Ion: 83 Resp: 64

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.4	13.2#
85	0.0	31.5	94.5#





#95
Naphthalene
Concen: 1.739 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF061730.D
Acq: 25 Feb 2019 15:09

Tgt Ion:128 Resp: 144

Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.8	14.6#
129	0.0	9.4	14.2#