Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082318\
Data File : VF060054.D
Acq On : 23 Aug 2018 15:42
Operator : VA/AP
Sample : J4276-03RE
Misc : 6.29g/5mL/MSVOA_F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Quant Time: Aug 24 03:29:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	2392	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	2455	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.64
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	282	8.61	ug/l	-0.01
Spiked Amount 50.000			Recovery = 17.22%			
35) Dibromofluoromethane	4.30	113	623	32.32	ug/l	0.00
Spiked Amount 50.000			Recovery = 64.64%			
50) Toluene-d8	7.72	98	1873	34.21	ug/l	0.00
Spiked Amount 50.000			Recovery = 68.42%			
62) 4-Bromofluorobenzene	11.42	95	62	2.14	ug/l	-0.09
Spiked Amount 50.000			Recovery = 4.28%			
Target Compounds						Qvalue
3) Chloromethane	1.08	50	222	7.73	ug/l #	40
4) Vinyl Chloride	1.17	62	75	3.84	ug/l #	1
6) Chloroethane	1.40	64	1398	181.38	ug/l #	45
10) Methyl Iodide	1.97	142	70	2.57	ug/l #	26
11) Tert butyl alcohol	2.64	59	69	39.62	ug/l #	80
12) 1,1-Dichloroethene	1.91	96	60	3.95	ug/l #	1
14) Allyl chloride	2.22	41	217	8.04	ug/l #	36
15) Acrylonitrile	3.14	53	60	17.46	ug/l #	11
16) Acetone	2.30	43	64	7.44	ug/l #	63
18) Methyl Acetate	2.50	43	124	4.71	ug/l #	60
20) Methylene Chloride	2.41	84	70	Below Cal	#	1
23) Vinyl Acetate	3.37	43	62	1.94	ug/l #	80
25) 2-Butanone	4.45	43	61	5.46	ug/l #	58
28) Bromochloromethane	3.98	49	82	5.20	ug/l #	4
29) Tetrahydrofuran	4.30	42	62	14.69	ug/l #	37
31) Cyclohexane	3.88	56	65	2.28	ug/l #	14
32) 1,1,1-Trichloroethane	4.26	97	60	1.34	ug/l #	23
37) Ethyl Acetate	4.31	43	121	8.77	ug/l #	1
38) Carbon Tetrachloride	4.18	117	71	2.66	ug/l #	12
40) Benzene	4.85	78	65	1.29	ug/l #	51
41) Methacrylonitrile	4.95	41	135	19.34	ug/l #	23
43) Isopropyl Acetate	6.89	43	145	8.35	ug/l #	45
45) 1,2-Dichloropropane	6.37	63	74	5.19	ug/l #	45
48) Methyl methacrylate	6.86	41	146	12.71	ug/l #	15
53) t-1,3-Dichloropropene	8.45	75	77	3.15	ug/l #	40
59) 2-Hexanone	9.69	43	98	8.07	ug/l #	30
68) m/p-Xylenes	10.25	106	76	Below Cal	#	1

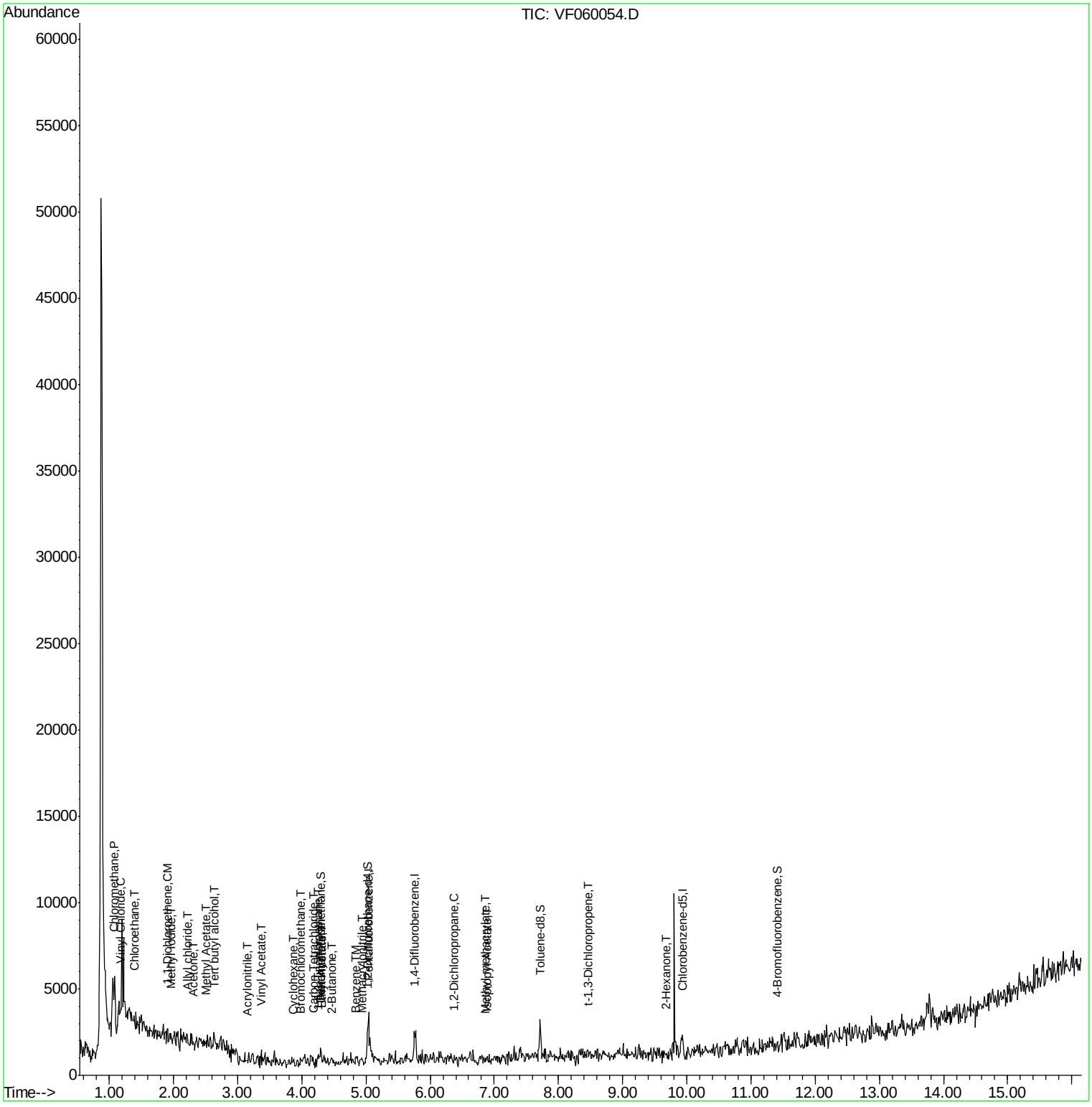
(#) = qualifier out of range (m) = manual integration (+) = signals summed

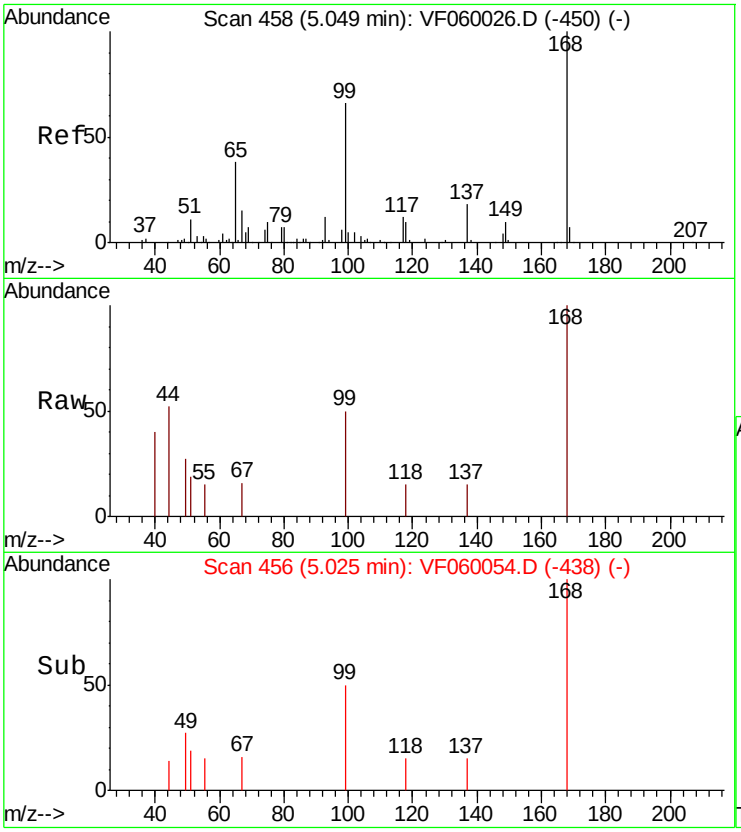
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
Data File : VF060054.D
Acq On : 23 Aug 2018 15:42
Operator : VA/AP
Sample : J4276-03RE
Misc : 6.29g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OK-01-082118RE

Quant Time: Aug 24 03:29:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration



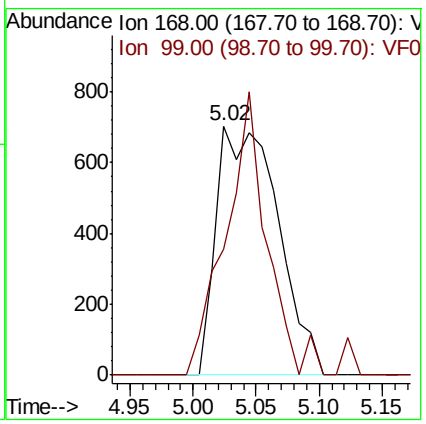


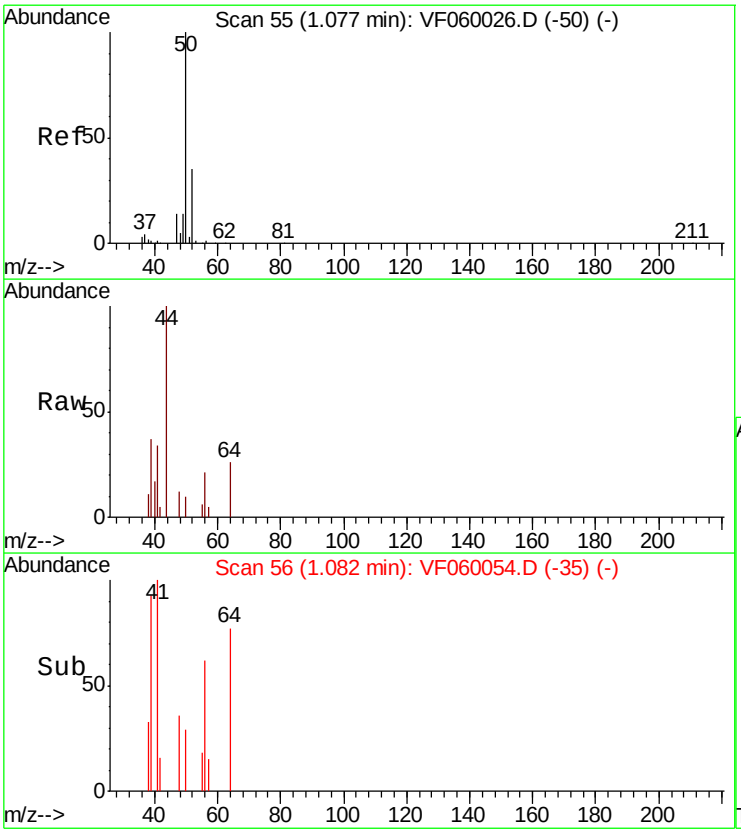
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.02 min Scan# 456
Delta R.T. -0.02 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument :
MSVOA_F
ClientSampleId :
OK-01-082118RE

Tgt Ion:168 Resp: 2392

Ion	Ratio	Lower	Upper
168	100		
99	50.5	52.6	79.0#

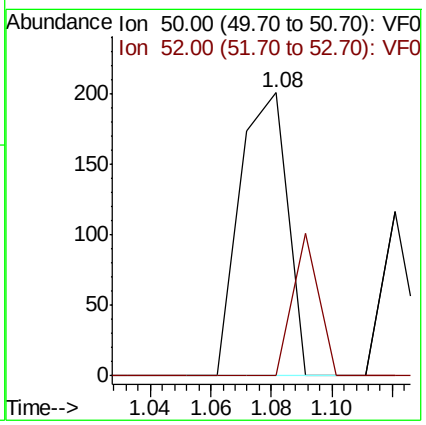


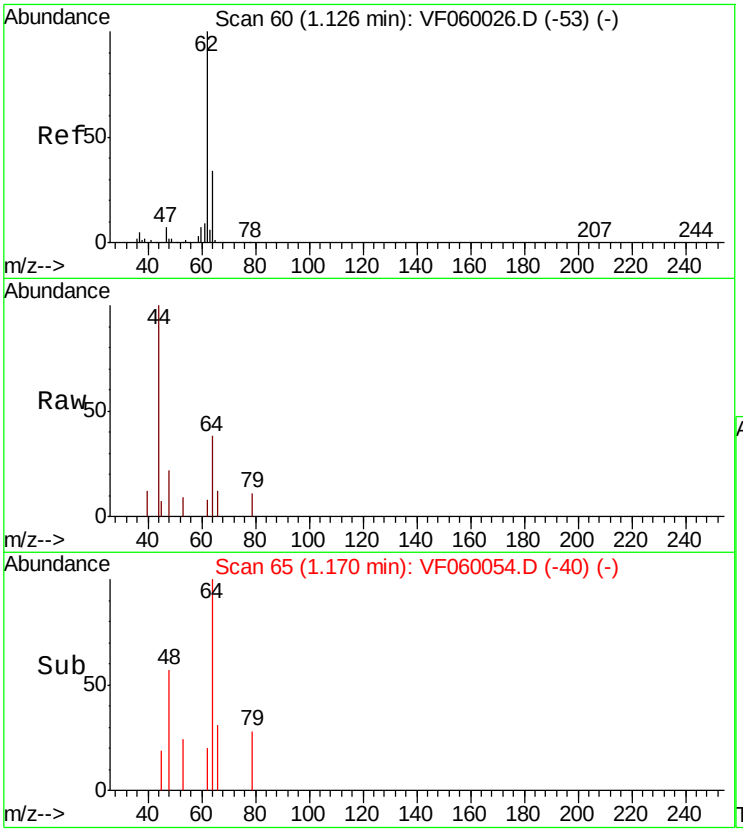


#3
Chloromethane
Concen: 7.73 ug/l
RT: 1.08 min Scan# 56
Delta R.T. 0.01 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 50 Resp: 222

Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.6	41.4#



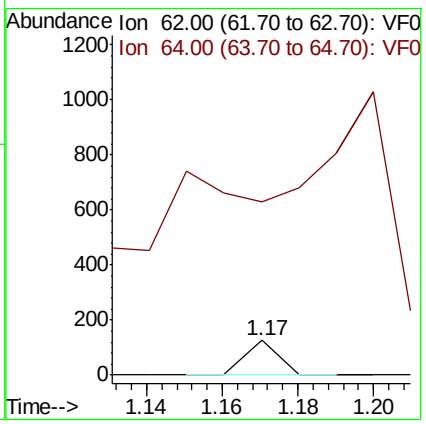


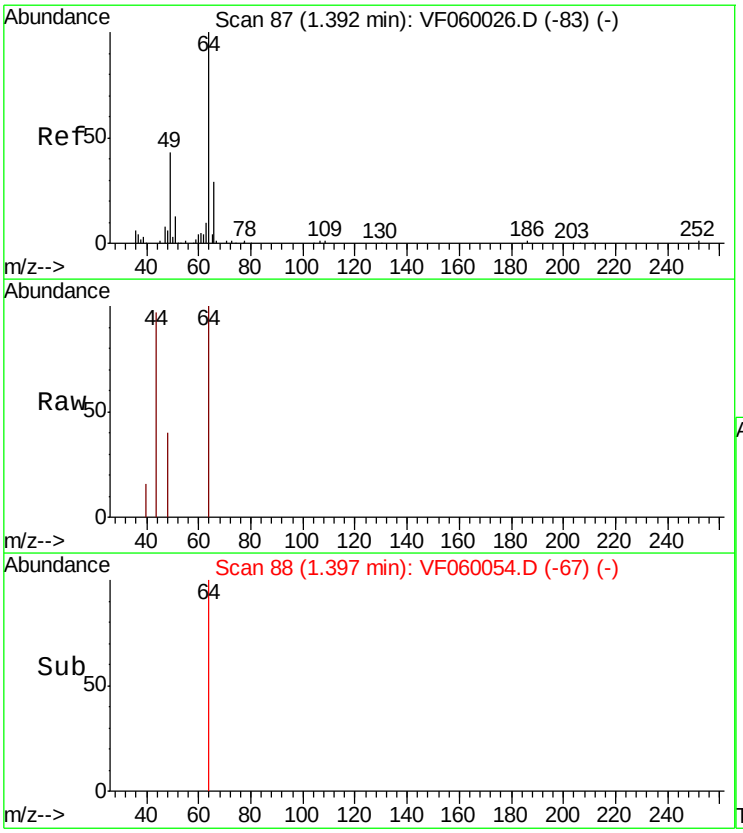
#4
Vinyl Chloride
Concen: 3.84 ug/l
RT: 1.17 min Scan# 65
Delta R.T. 0.04 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument :
MSVOA_F
ClientSampleId :
OK-01-082118RE

Tgt Ion: 62 Resp: 75

Ion	Ratio	Lower	Upper
62	100		
64	500.8	27.4	41.2#

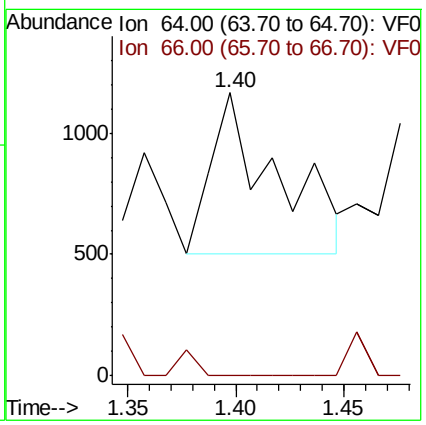


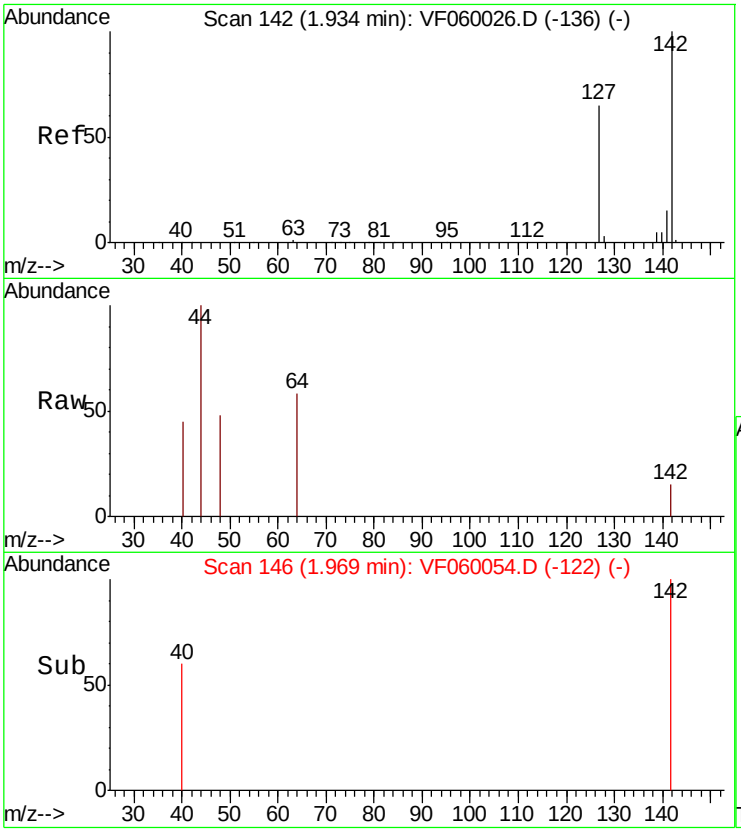


#6
Chloroethane
Concen: 181.38 ug/l
RT: 1.40 min Scan# 88
Delta R.T. 0.00 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 64 Resp: 1398

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.1	36.1#



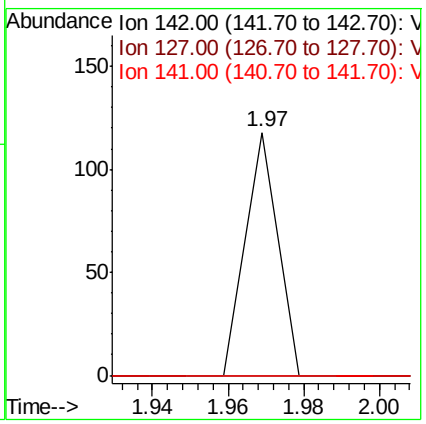


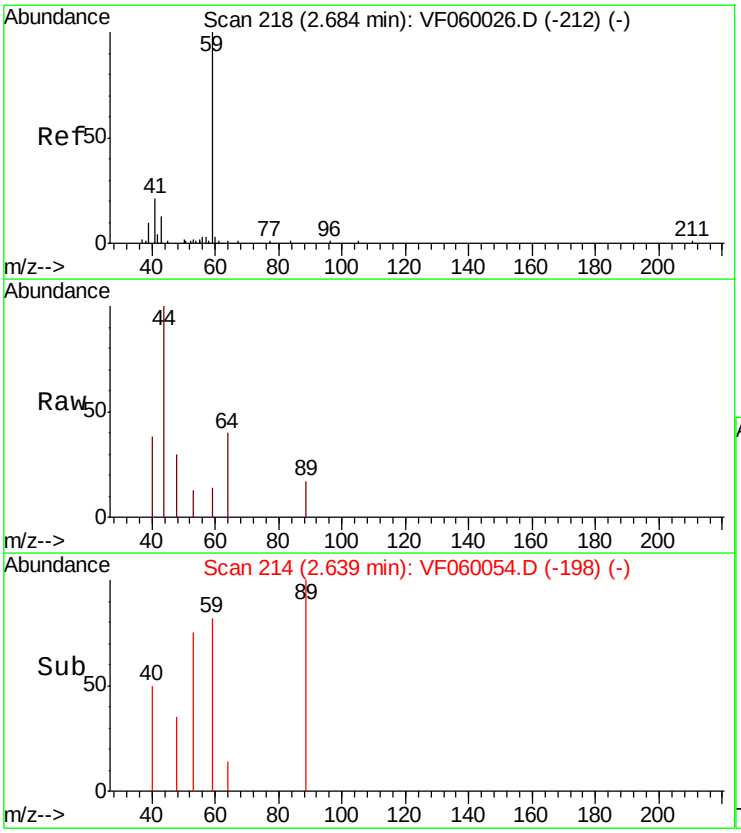
#10
Methyl Iodide
Concen: 2.57 ug/l
RT: 1.97 min Scan# 146
Delta R.T. 0.03 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Tgt Ion:142 Resp: 70

Ion	Ratio	Lower	Upper
142	100		
127	0.0	51.8	77.6#
141	0.0	11.9	17.9#

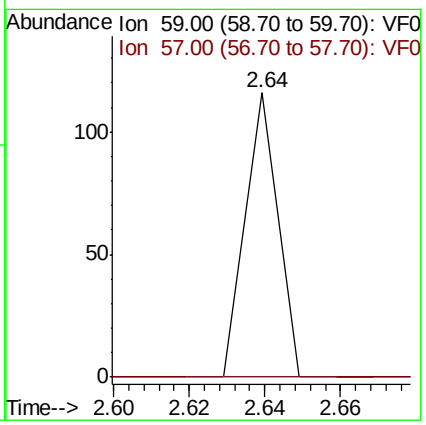


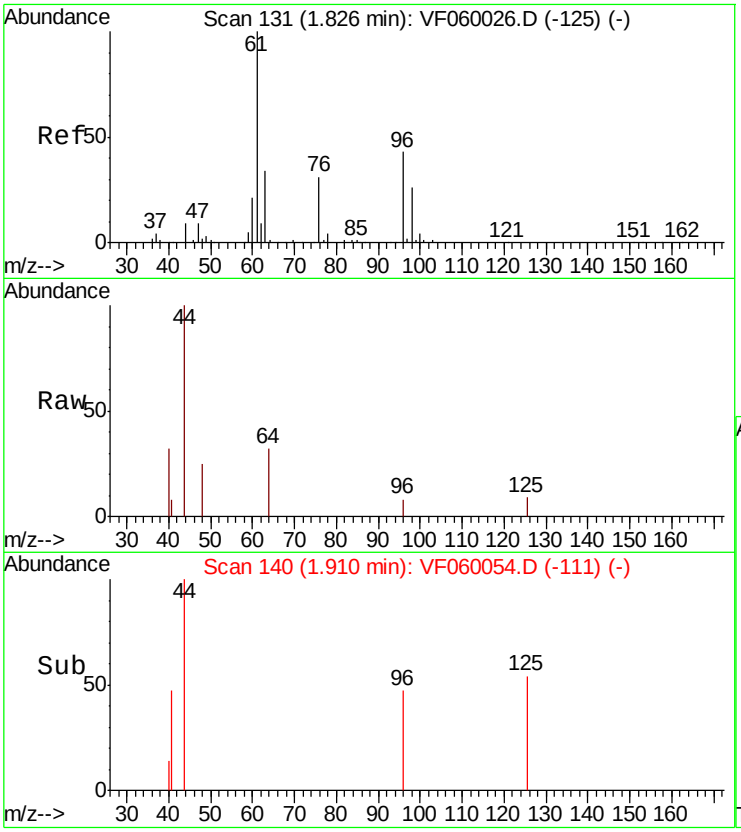


#11
Tert butyl alcohol
Concen: 39.62 ug/l
RT: 2.64 min Scan# 214
Delta R.T. -0.04 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 59 Resp: 69

Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.4	8.2#



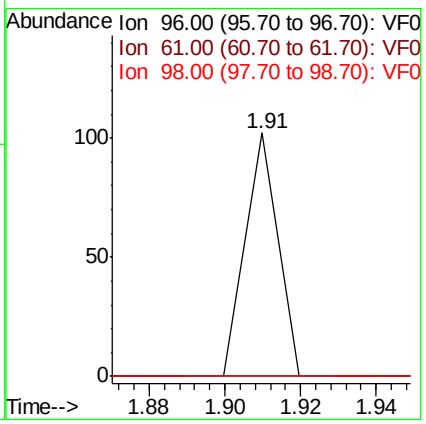


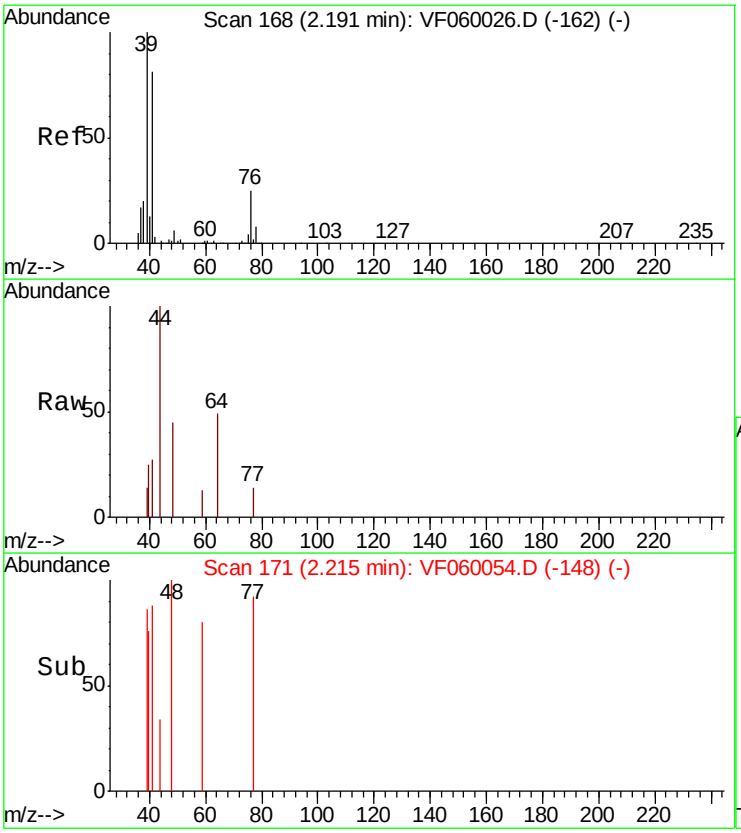
#12
1,1-Dichloroethene
Concen: 3.95 ug/l
RT: 1.91 min Scan# 140
Delta R.T. 0.08 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Tgt Ion: 96 Resp: 60

Ion	Ratio	Lower	Upper
96	100		
61	0.0	185.0	277.6#
98	0.0	47.8	71.8#

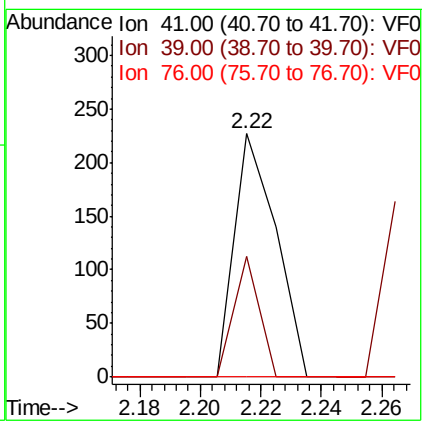


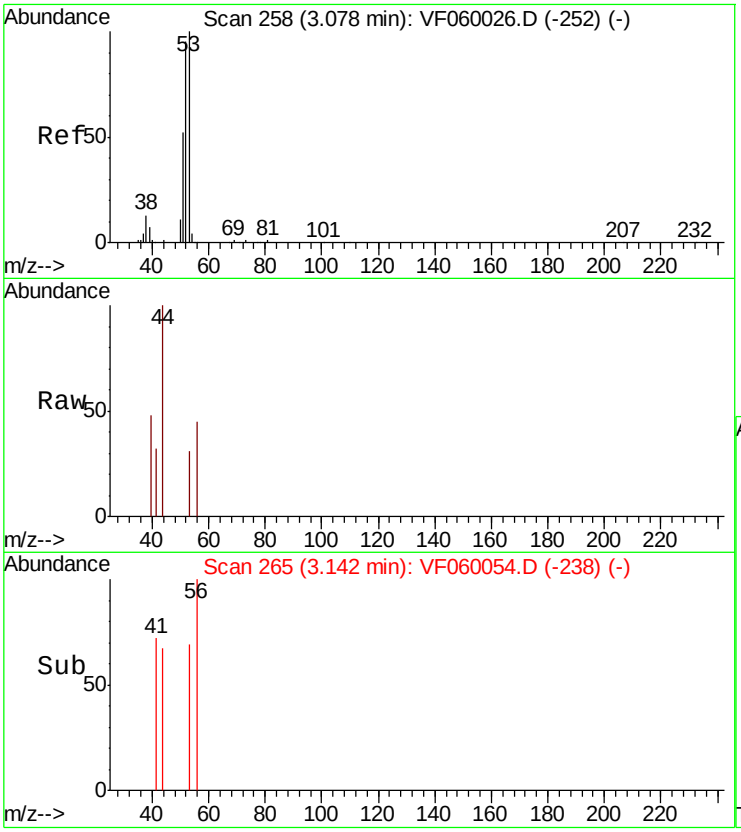


#14
Allyl chloride
Concen: 8.04 ug/l
RT: 2.22 min Scan# 171
Delta R.T. 0.02 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 41 Resp: 217

Ion	Ratio	Lower	Upper
41	100		
39	49.8	99.3	148.9#
76	0.0	24.3	36.5#



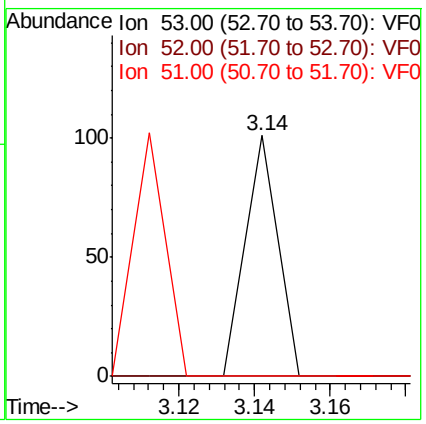


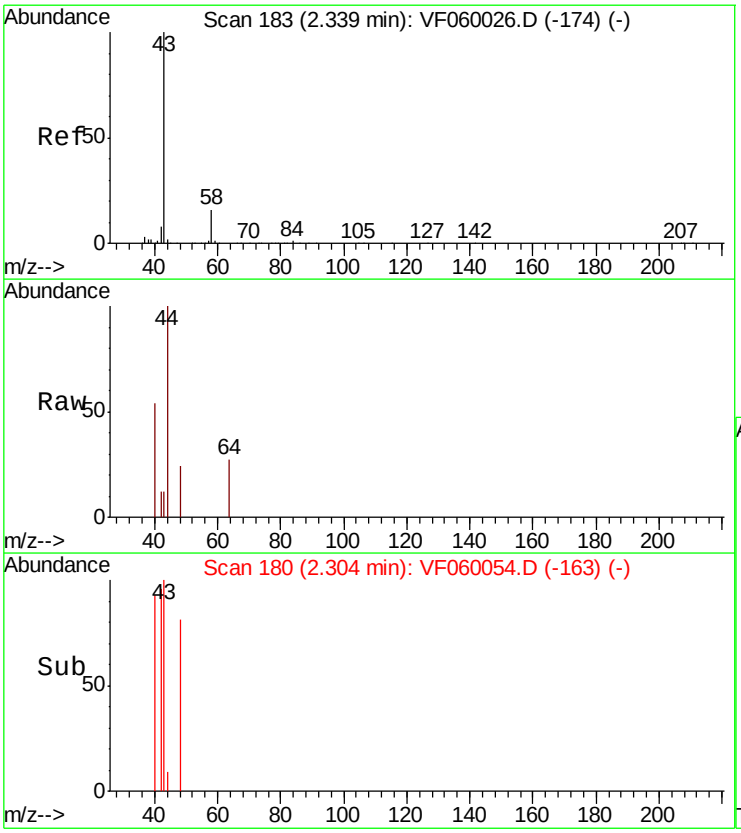
#15
Acrylonitrile
Concen: 17.46 ug/l
RT: 3.14 min Scan# 265
Delta R.T. 0.06 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Tgt Ion: 53 Resp: 60

Ion	Ratio	Lower	Upper
53	100		
52	0.0	75.8	113.8#
51	0.0	42.1	63.1#

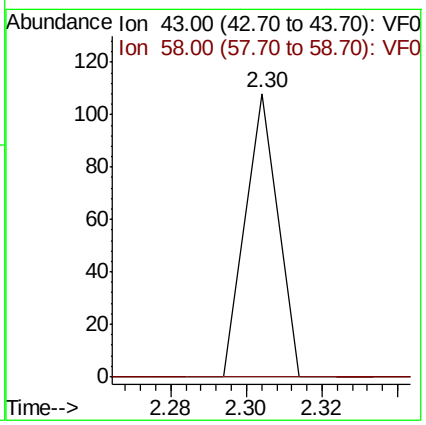


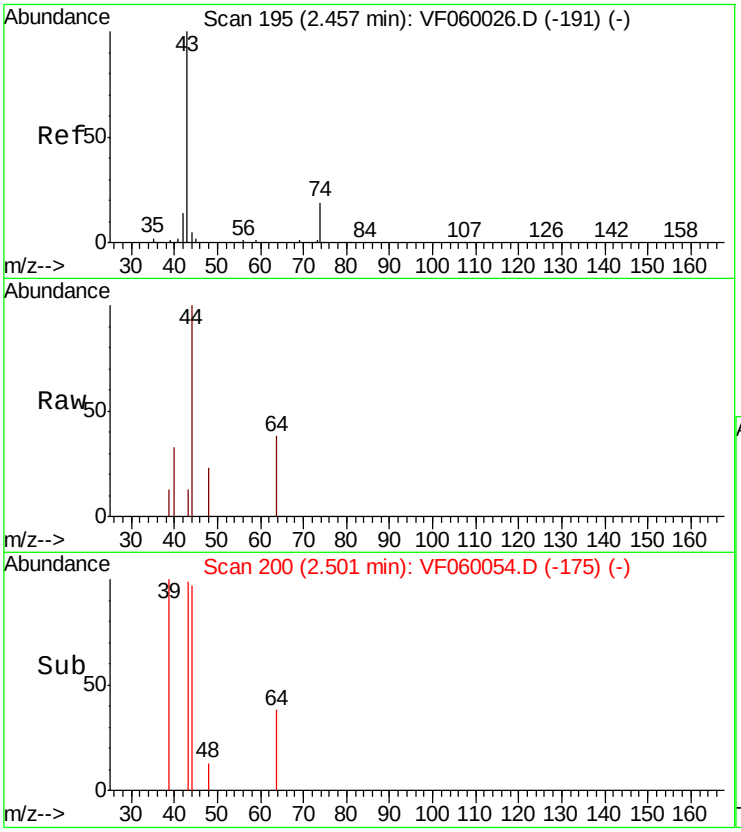


#16
Acetone
Concen: 7.44 ug/l
RT: 2.30 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 43 Resp: 64

Ion	Ratio	Lower	Upper
43	100		
58	0.0	12.6	19.0#



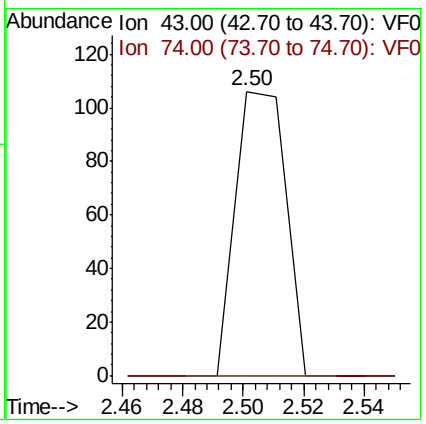


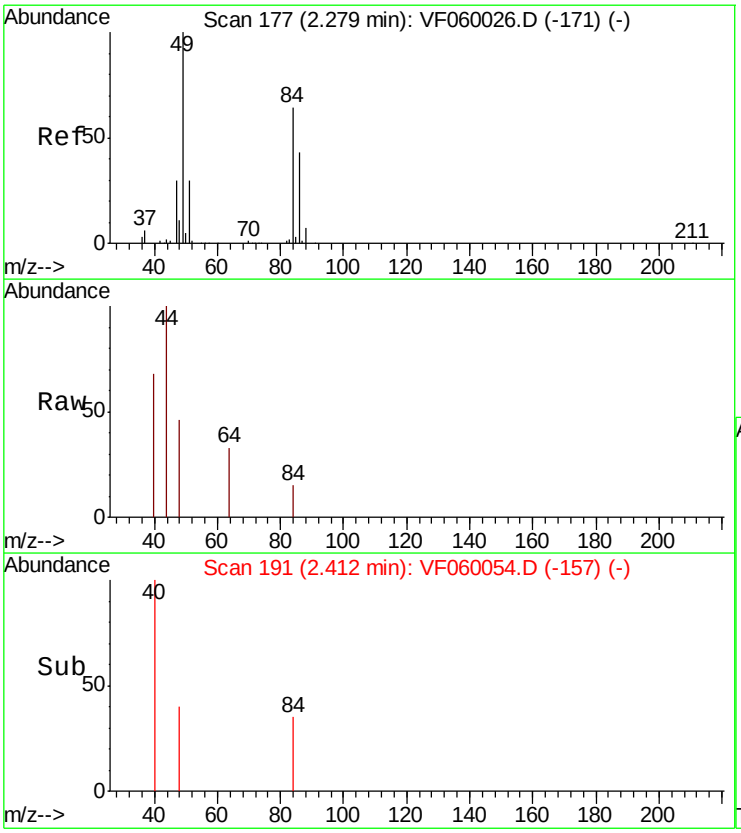
#18
Methyl Acetate
Concen: 4.71 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.05 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Tgt Ion: 43 Resp: 124

Ion	Ratio	Lower	Upper
43	100		
74	0.0	13.8	20.6#

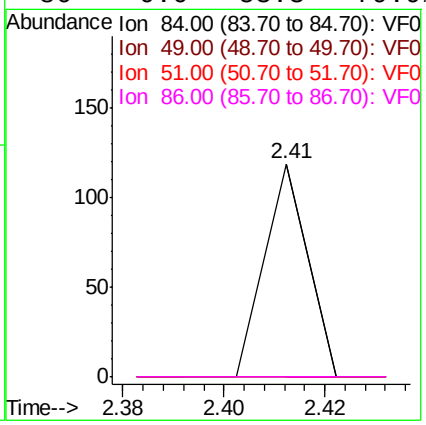


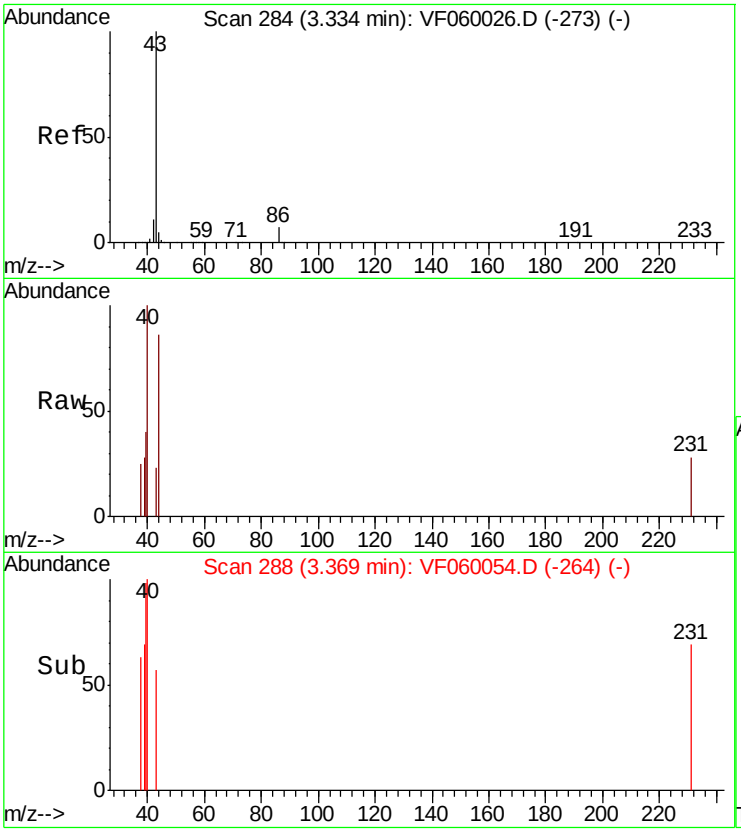


#20
Methylene Chloride
Concen: Below Cal
RT: 2.41 min Scan# 191
Delta R.T. 0.13 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 84 Resp: 70

Ion	Ratio	Lower	Upper
84	100		
49	0.0	125.4	188.0#
51	0.0	38.3	57.5#
86	0.0	53.3	79.9#



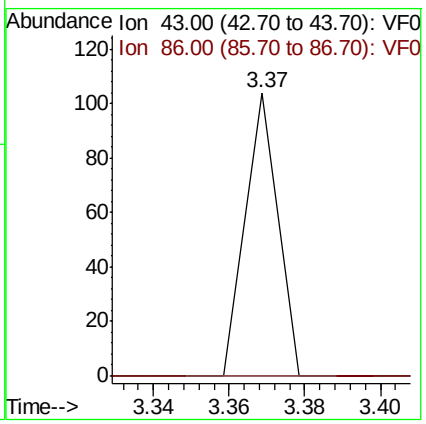


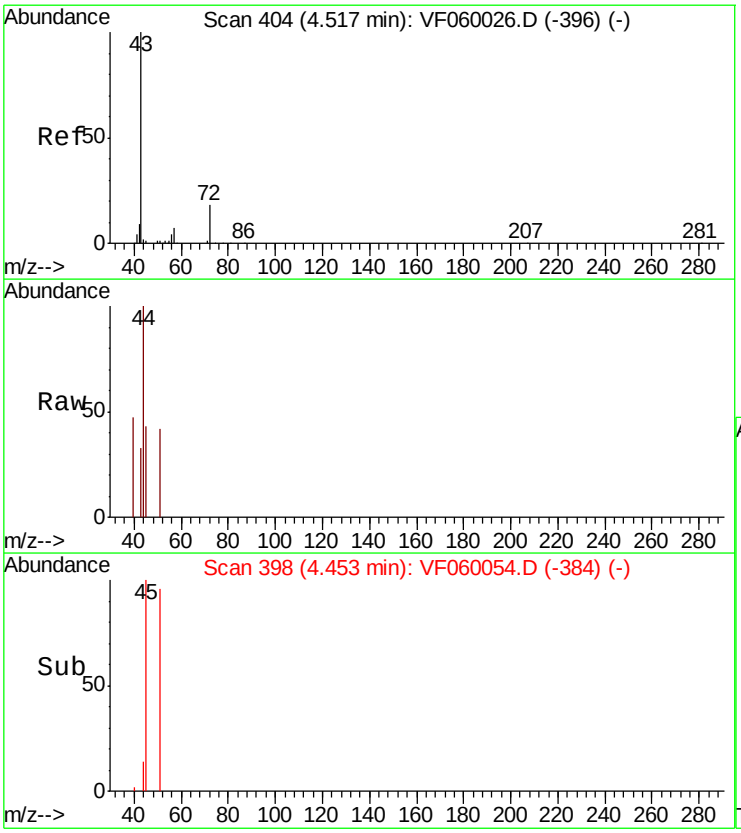
#23
Vinyl Acetate
Concen: 1.94 ug/l
RT: 3.37 min Scan# 288
Delta R.T. 0.03 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Tgt Ion: 43 Resp: 62

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#

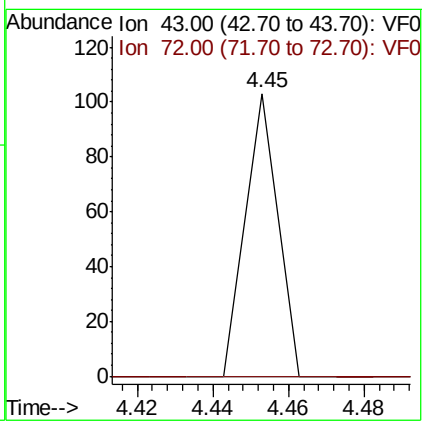


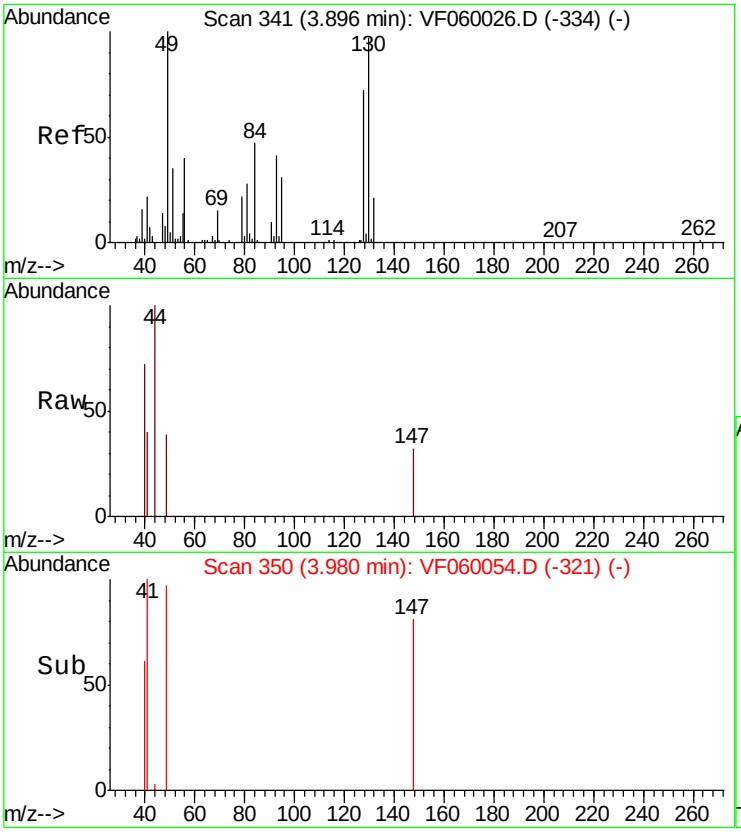


#25
2-Butanone
Concen: 5.46 ug/l
RT: 4.45 min Scan# 398
Delta R.T. -0.06 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 43 Resp: 61

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.0	22.6#



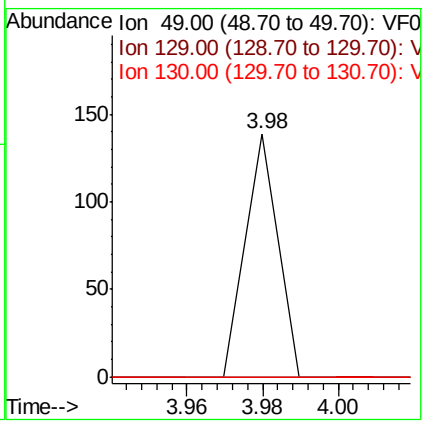


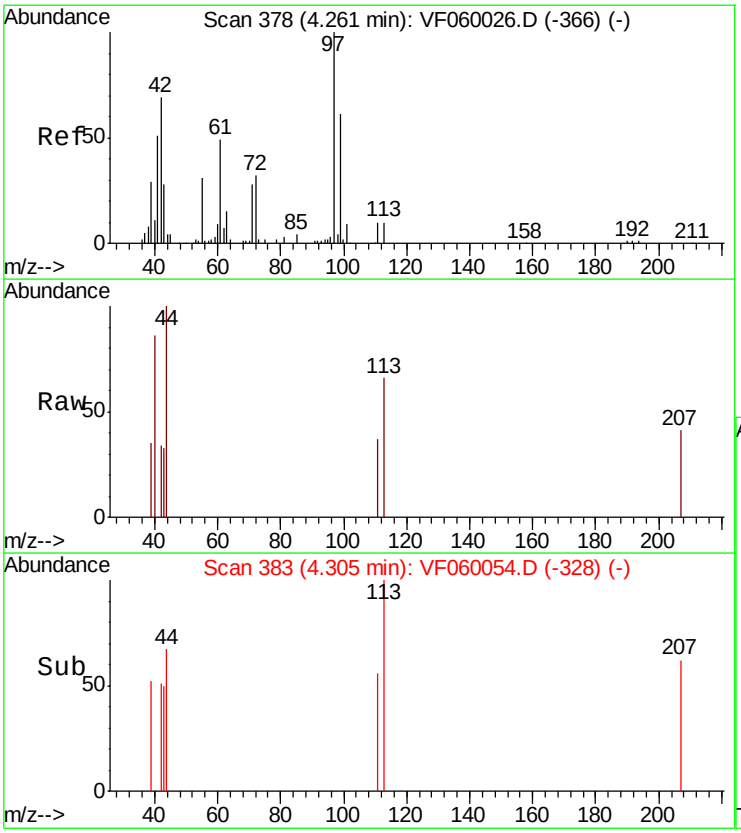
#28
Bromochloromethane
Concen: 5.20 ug/l
RT: 3.98 min Scan# 350
Delta R.T. 0.08 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Tgt Ion: 49 Resp: 82

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	0.0	78.0	117.0#

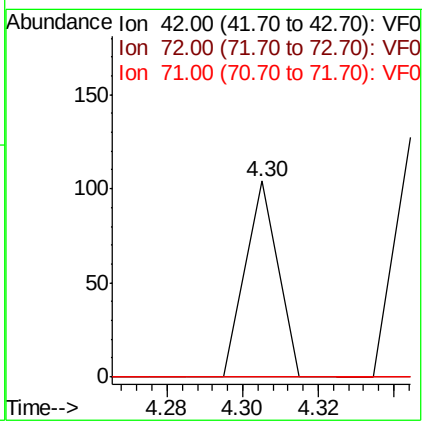


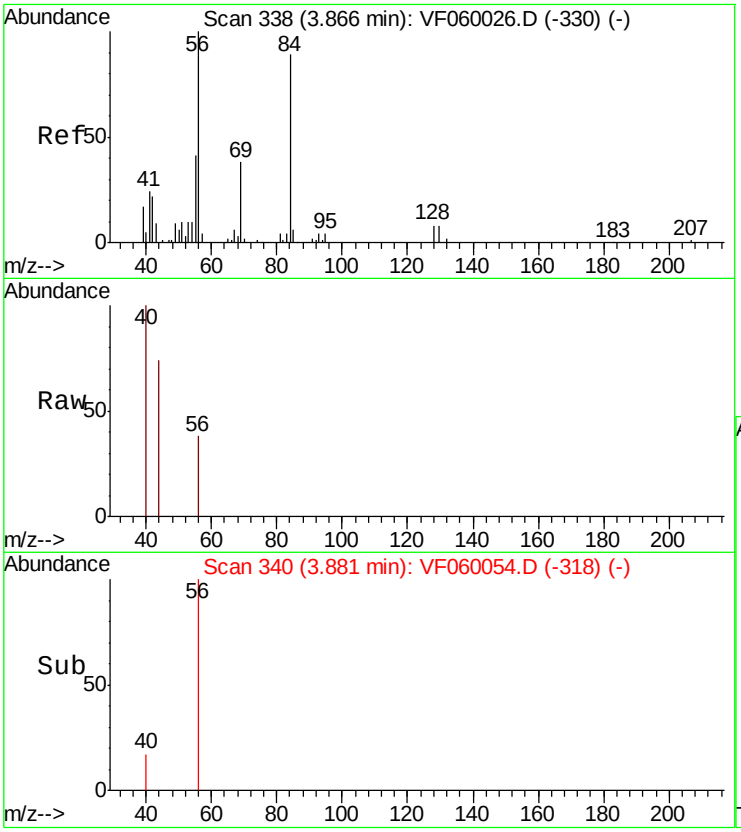


#29
Tetrahydrofuran
Concen: 14.69 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.04 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 42 Resp: 62

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	0.0	29.7	44.5#



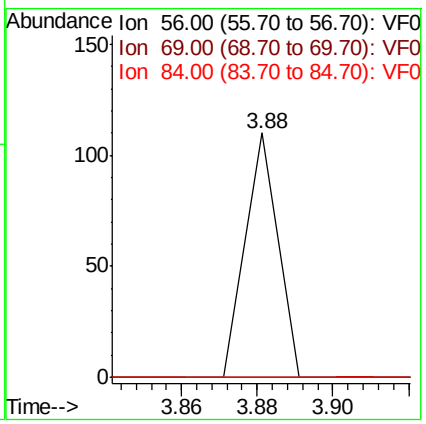


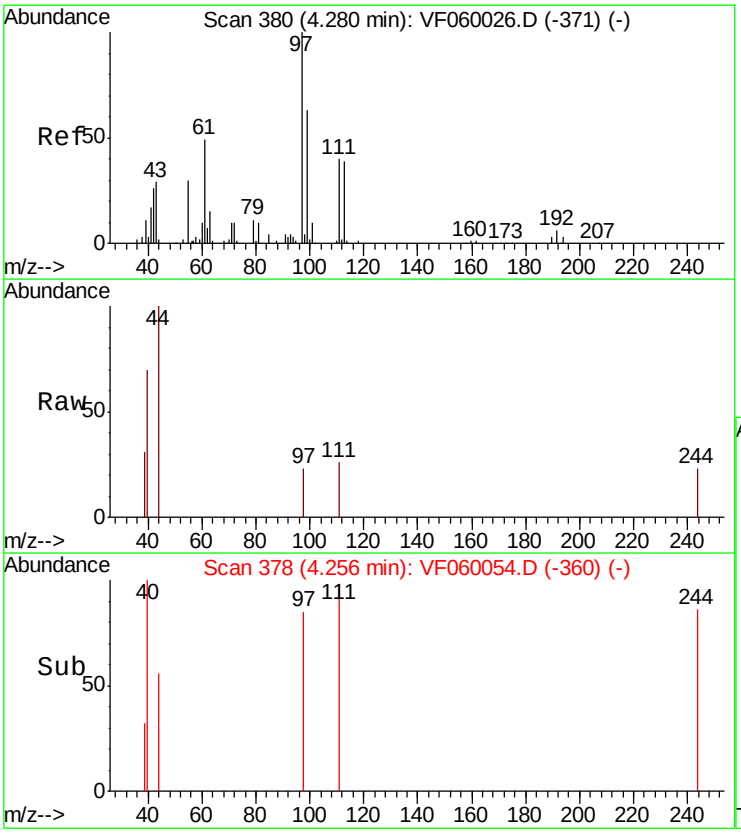
#31
Cyclohexane
Concen: 2.28 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Tgt Ion: 56 Resp: 65

Ion	Ratio	Lower	Upper
56	100		
69	0.0	30.4	45.6#
84	0.0	71.4	107.2#

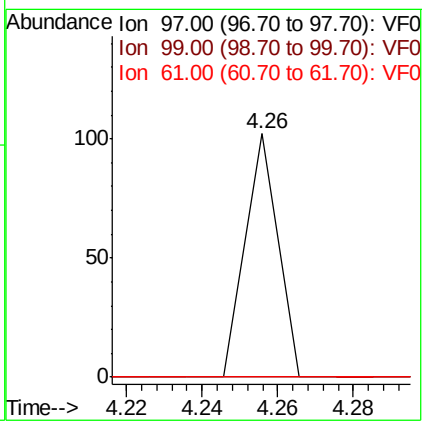


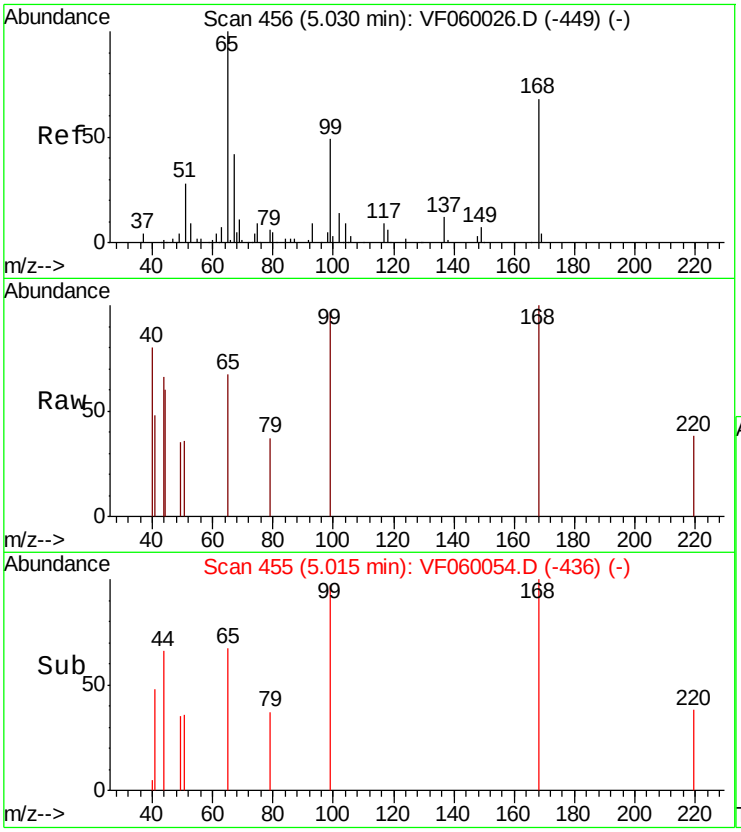


#32
1,1,1-Trichloroethane
Concen: 1.34 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 97 Resp: 60

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.3	75.5#
61	0.0	40.3	60.5#



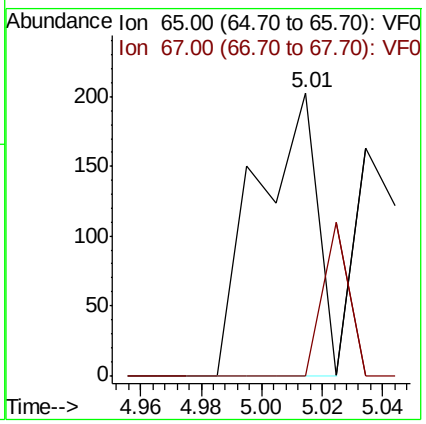


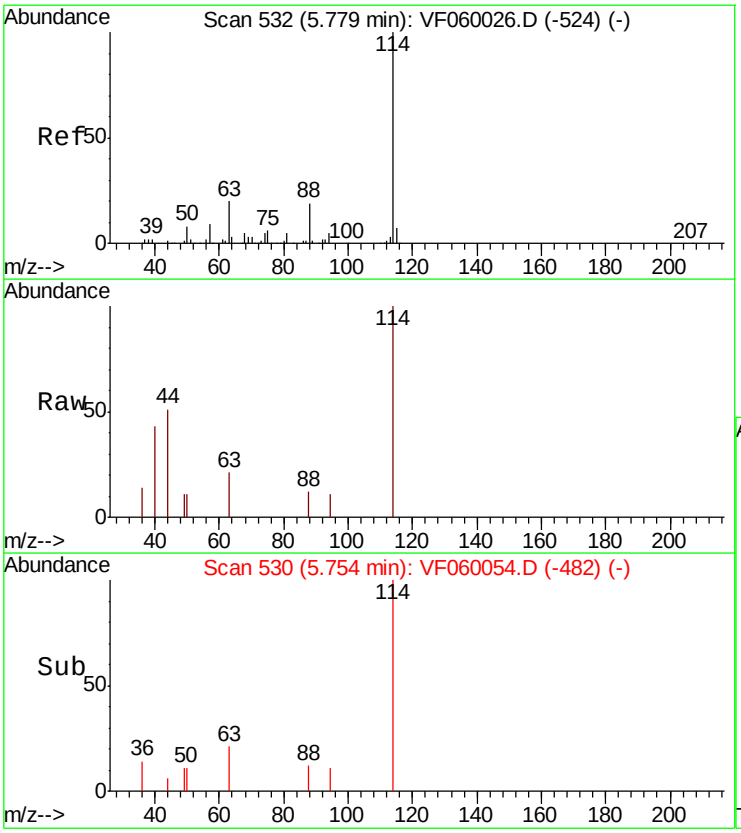
#33
1,2-Dichloroethane-d4
Concen: 8.61 ug/l
RT: 5.01 min Scan# 455
Delta R.T. -0.01 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument :
MSVOA_F
ClientSampleId :
OK-01-082118RE

Tgt Ion: 65 Resp: 282

Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	92.0

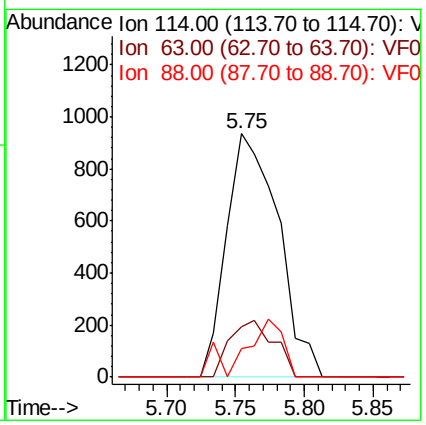


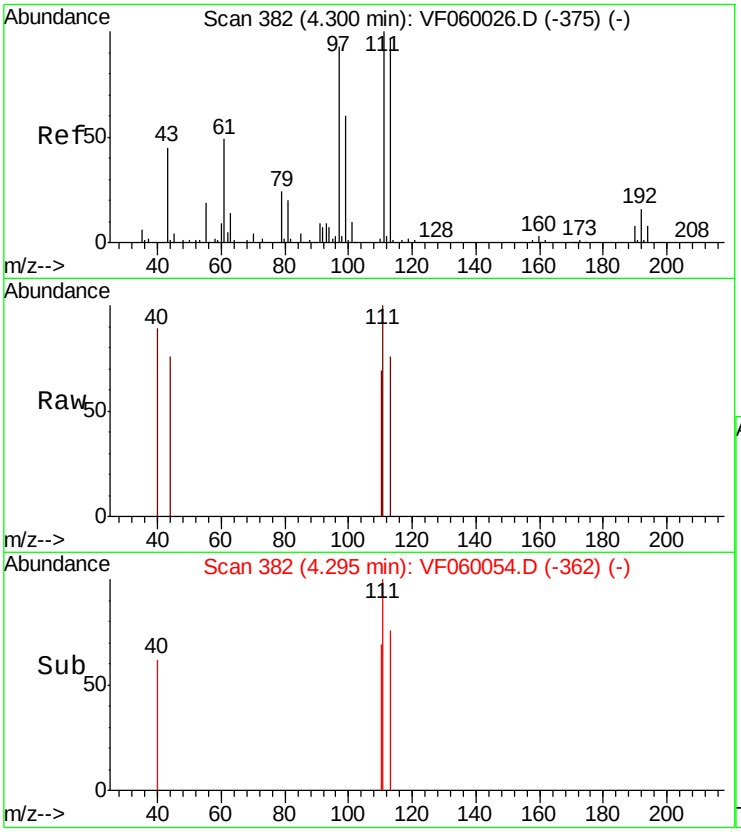


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.75 min Scan# 530
Delta R.T. -0.02 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion:114 Resp: 2455

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.4
88	12.0	0.0	38.6



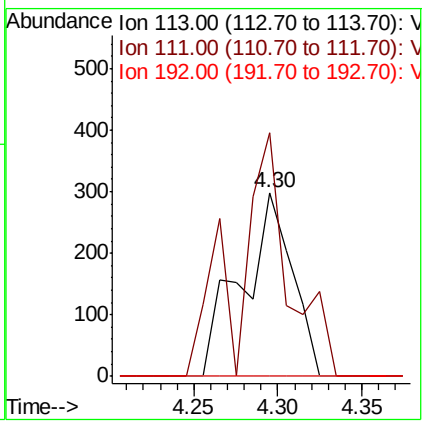


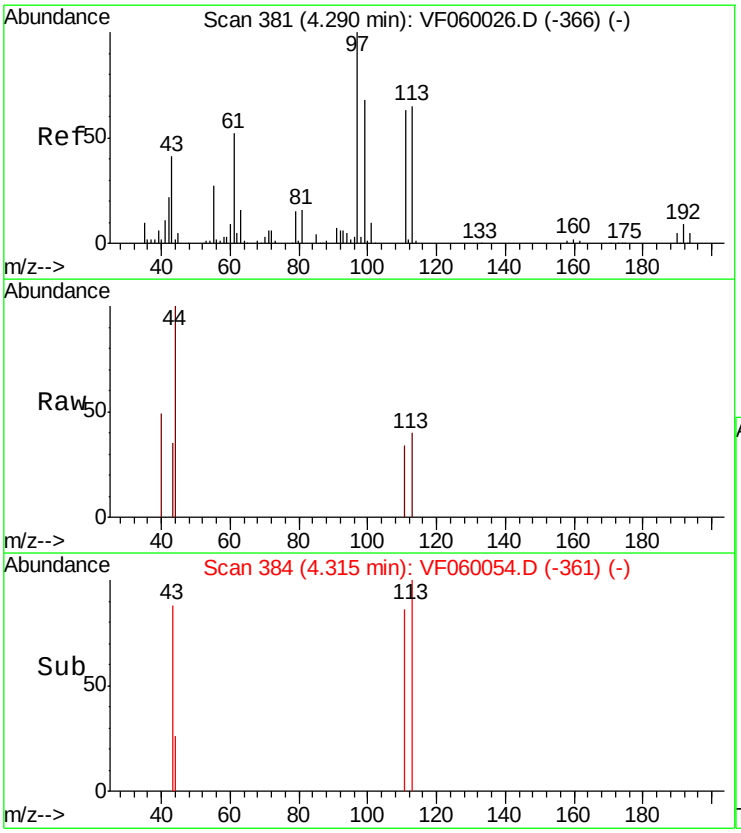
#35
Dibromofluoromethane
Concen: 32.32 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument :
MSVOA_F
ClientSampleId :
OK-01-082118RE

Tgt Ion:113 Resp: 623

Ion	Ratio	Lower	Upper
113	100		
111	132.4	82.7	124.1#
192	0.0	13.0	19.4#

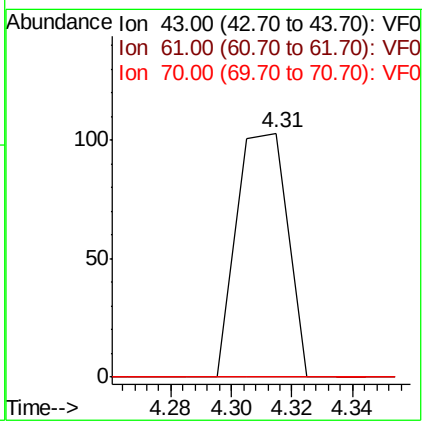


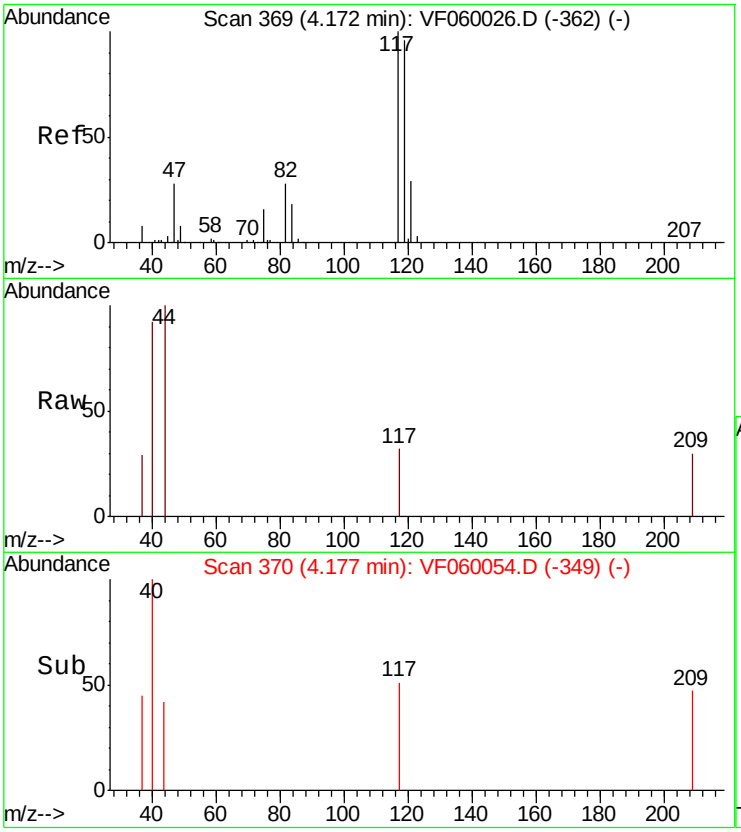


#37
Ethyl Acetate
Concen: 8.77 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 43 Resp: 121

Ion	Ratio	Lower	Upper
43	100		
61	0.0	101.5	152.3#
70	0.0	6.4	9.6#



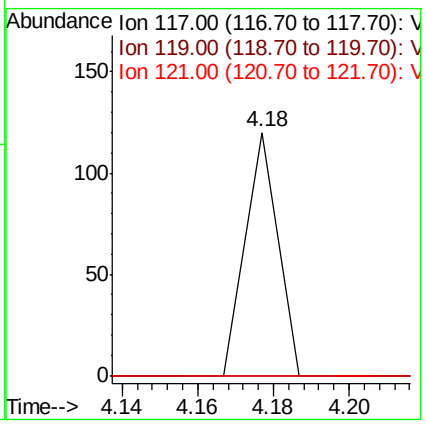


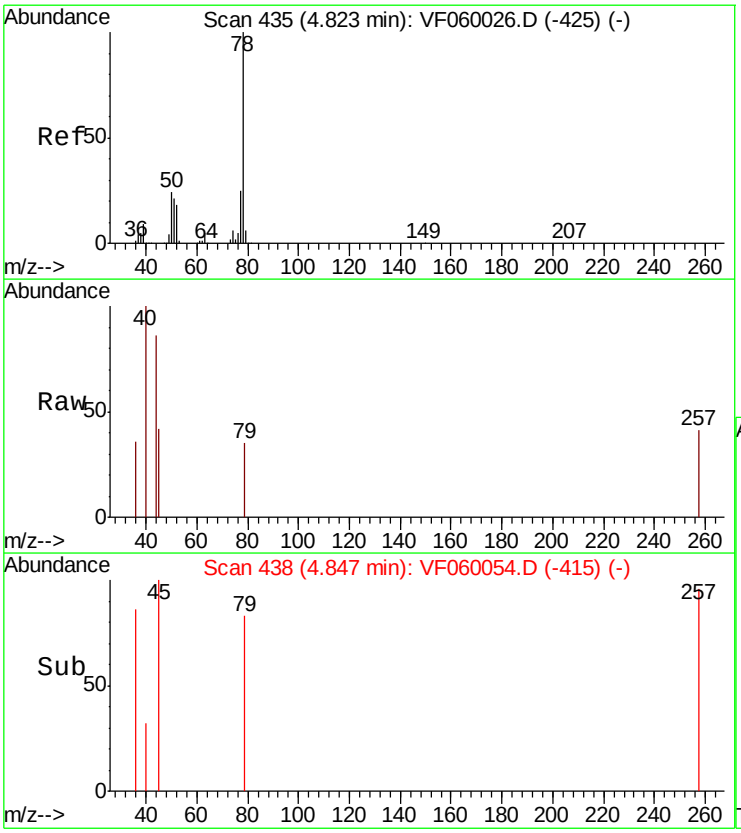
#38
Carbon Tetrachloride
Concen: 2.66 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Tgt Ion:117 Resp: 71

Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.5	114.7#
121	0.0	23.0	34.6#

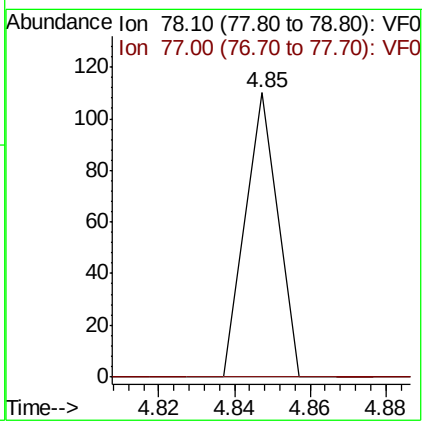


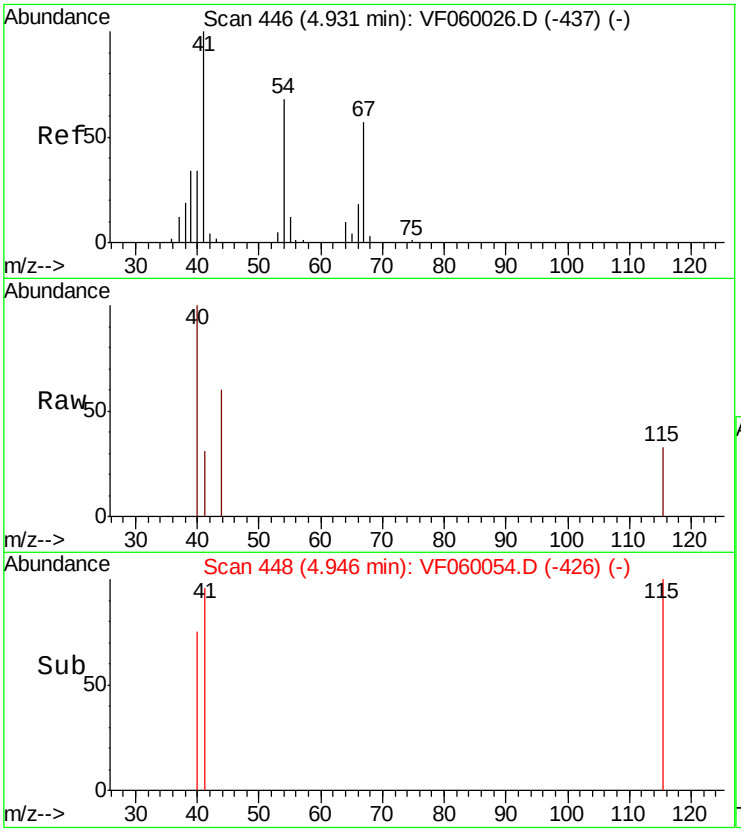


#40
Benzene
Concen: 1.29 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.02 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 78 Resp: 65

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.8	29.6#



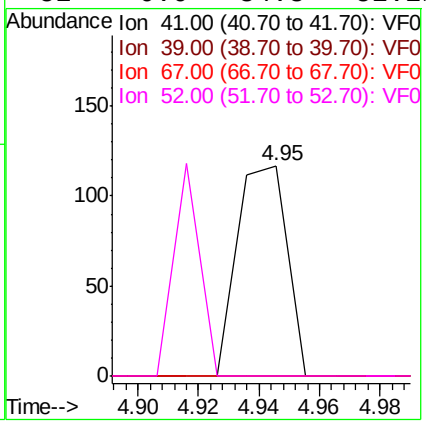


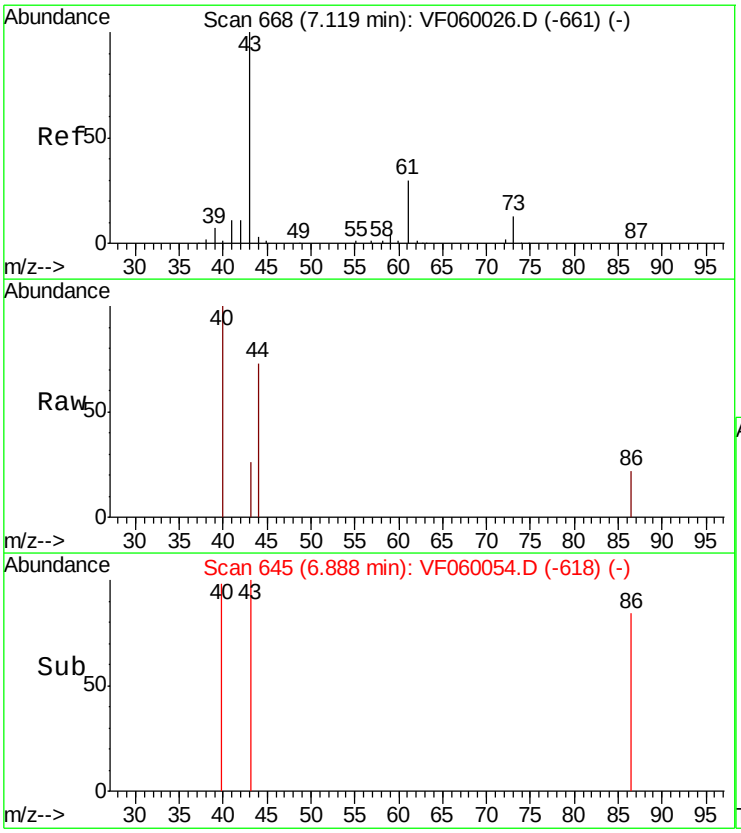
#41
Methacrylonitrile
Concen: 19.34 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument :
MSVOA_F
ClientSampleId :
OK-01-082118RE

Tgt Ion: 41 Resp: 135

Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.9	79.3#
67	0.0	45.3	67.9#
52	0.0	34.8	52.2#

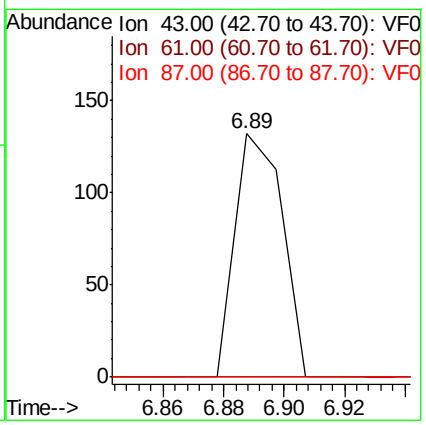


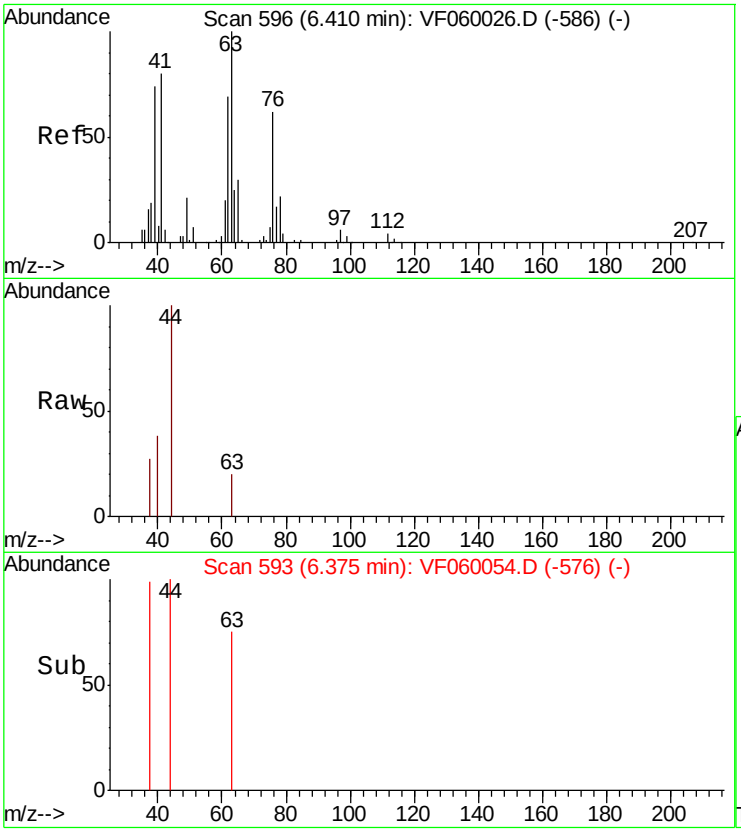


#43
Isopropyl Acetate
Concen: 8.35 ug/l
RT: 6.89 min Scan# 645
Delta R.T. -0.23 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 43 Resp: 145

Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.6#
87	0.0	0.2	0.4#



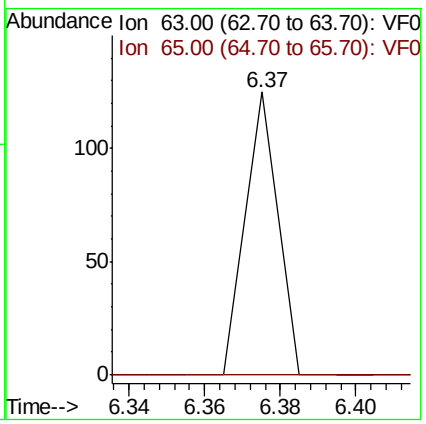


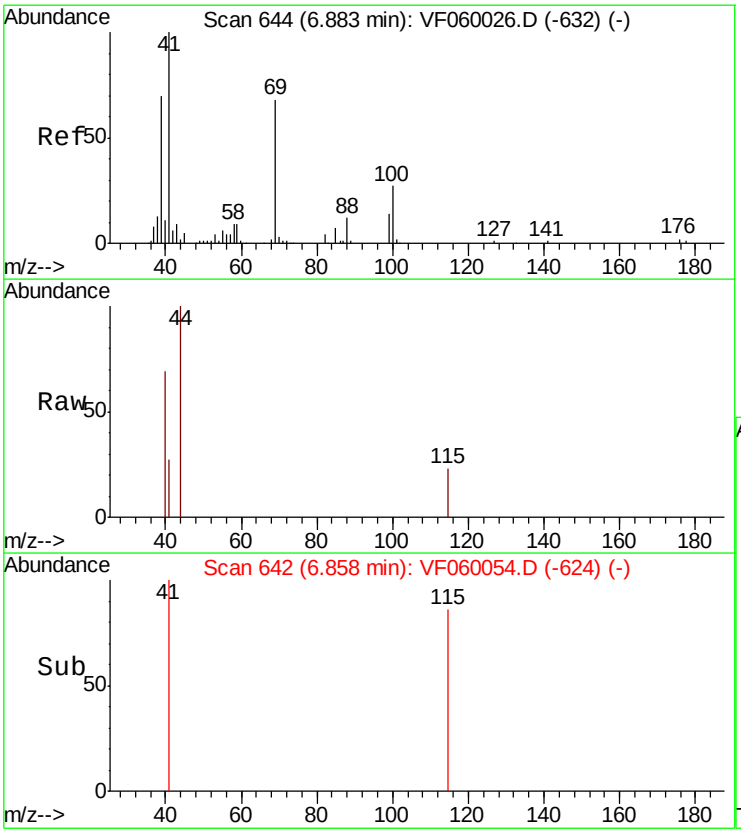
#45
1,2-Dichloropropane
Concen: 5.19 ug/l
RT: 6.37 min Scan# 593
Delta R.T. -0.03 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Tgt Ion: 63 Resp: 74

Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.8	35.6#

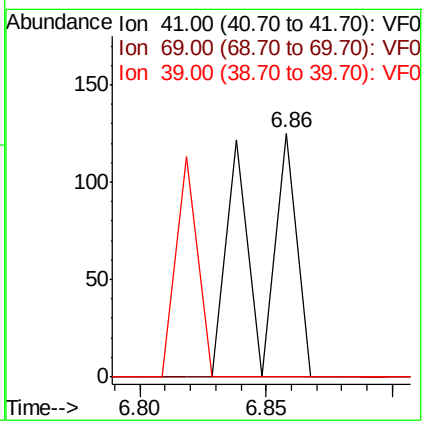


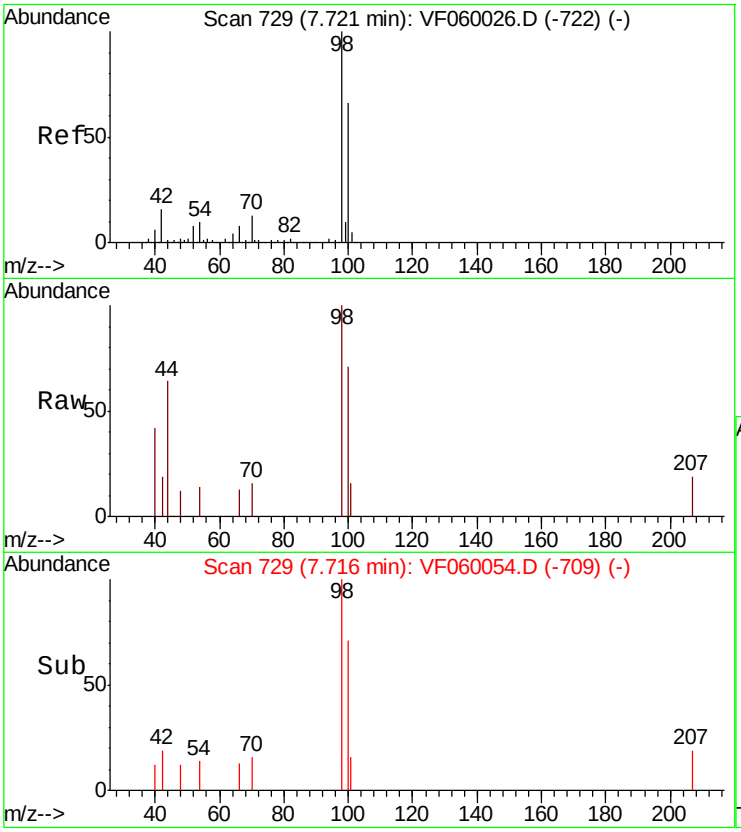


#48
Methyl methacrylate
Concen: 12.71 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 41 Resp: 146

Ion	Ratio	Lower	Upper
41	100		
69	0.0	54.6	81.8#
39	0.0	56.5	84.7#



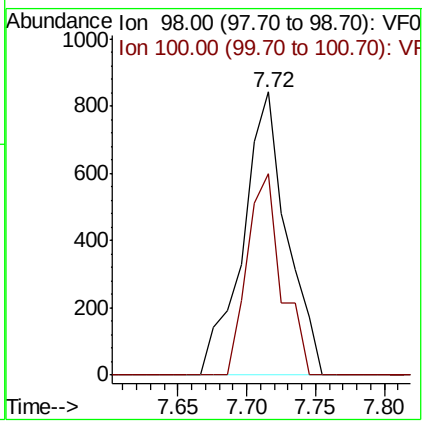


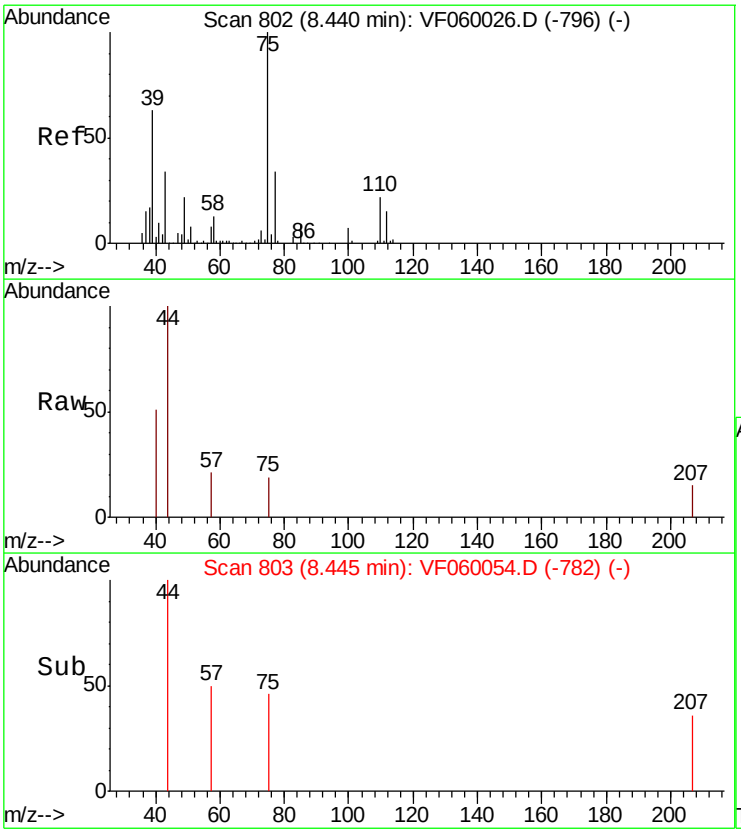
#50
Toluene-d8
Concen: 34.21 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument :
MSVOA_F
ClientSampleId :
OK-01-082118RE

Tgt Ion: 98 Resp: 1873

Ion	Ratio	Lower	Upper
98	100		
100	71.4	53.2	79.8

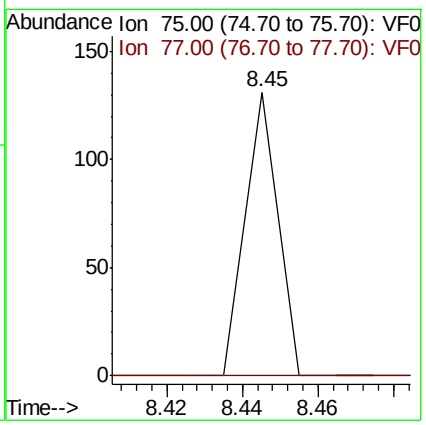


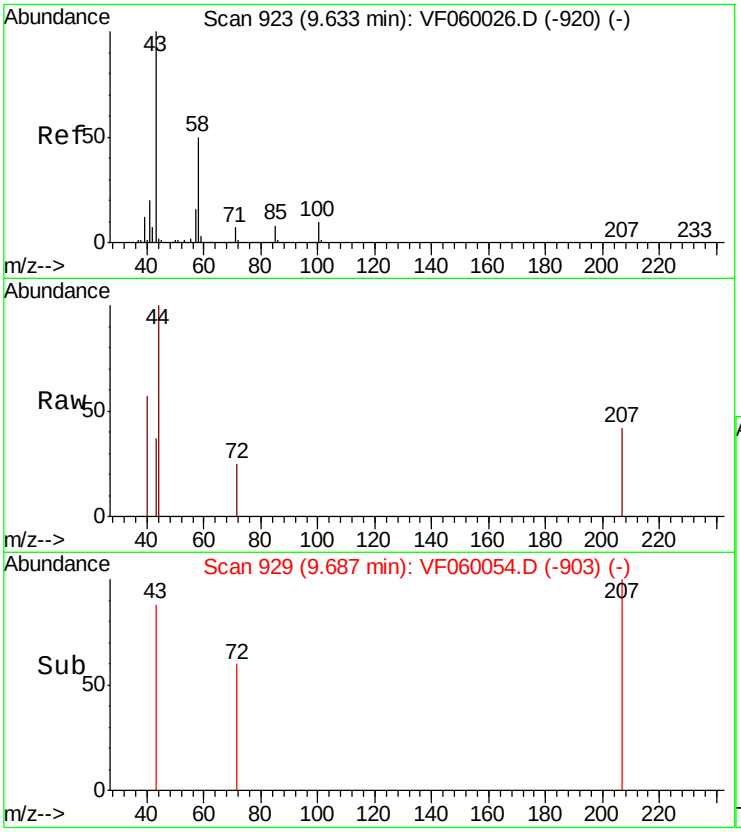


#53
t-1,3-Dichloropropene
Concen: 3.15 ug/l
RT: 8.45 min Scan# 803
Delta R.T. 0.00 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 75 Resp: 77

Ion	Ratio	Lower	Upper
75	100		
77	0.0	27.4	41.2#



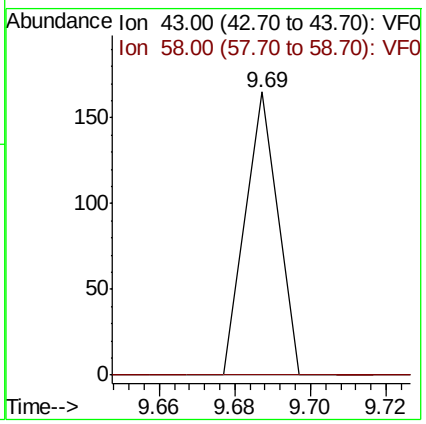


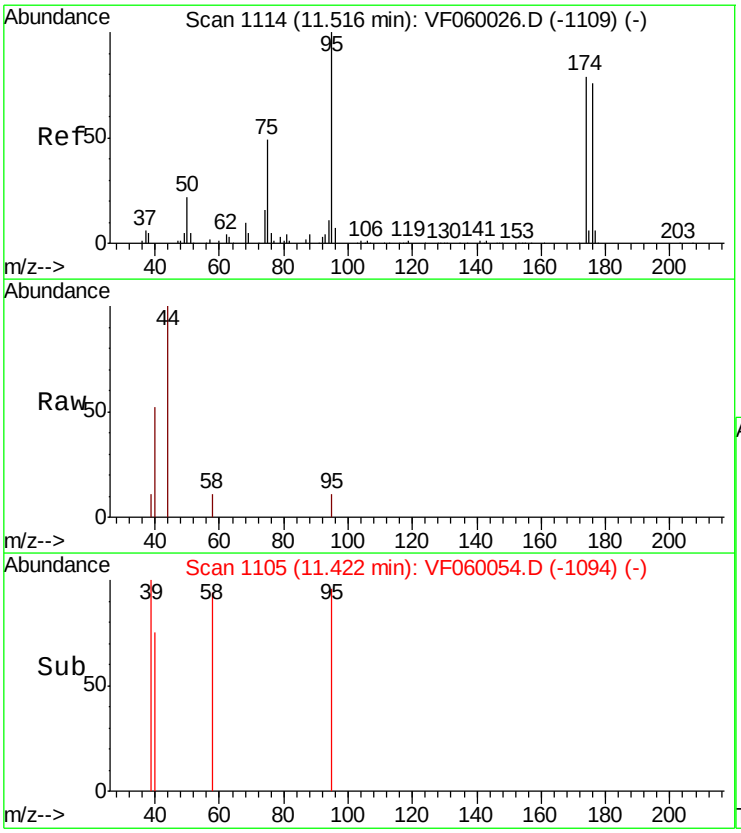
#59
2-Hexanone
Concen: 8.07 ug/l
RT: 9.69 min Scan# 929
Delta R.T. 0.05 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument : MSVOA_F
ClientSampleId : OK-01-082118RE

Tgt Ion: 43 Resp: 98

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.4	70.2#

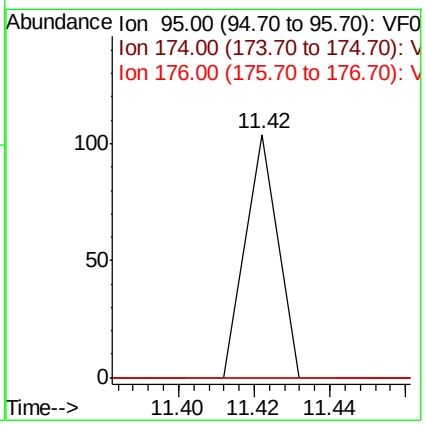


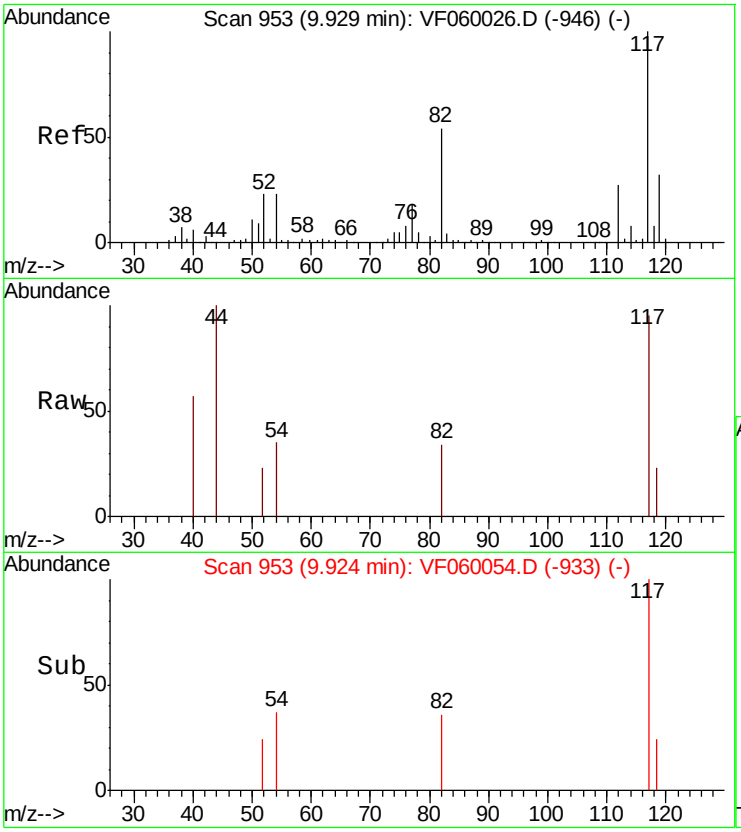


#62
4-Bromofluorobenzene
Concen: 2.14 ug/l
RT: 11.42 min Scan# 1105
Delta R.T. -0.09 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 95 Resp: 62

Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	158.4
176	0.0	0.0	153.0



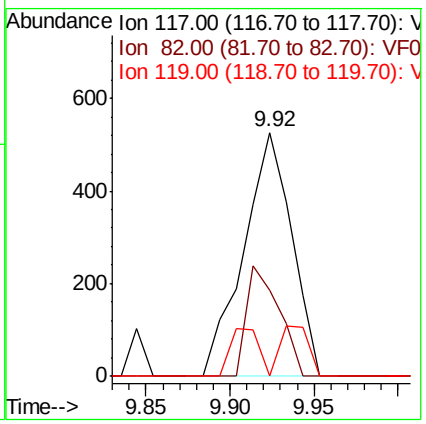


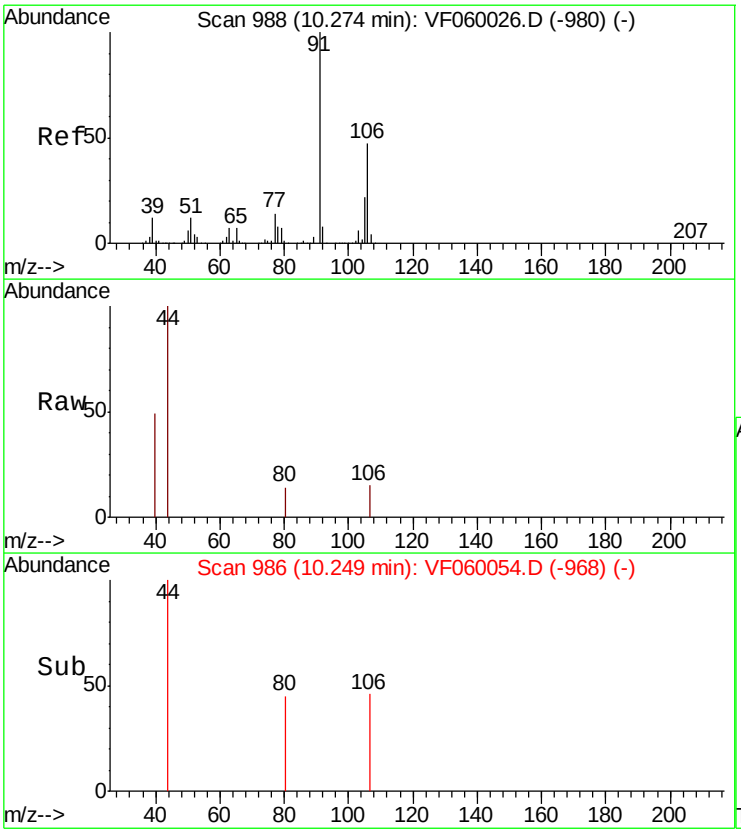
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Instrument :
MSVOA_F
ClientSampleId :
OK-01-082118RE

Tgt Ion:117 Resp: 1040

Ion	Ratio	Lower	Upper
117	100		
82	35.6	43.6	65.4#
119	0.0	25.6	38.4#

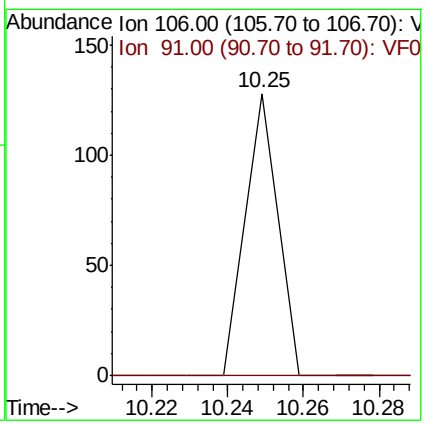


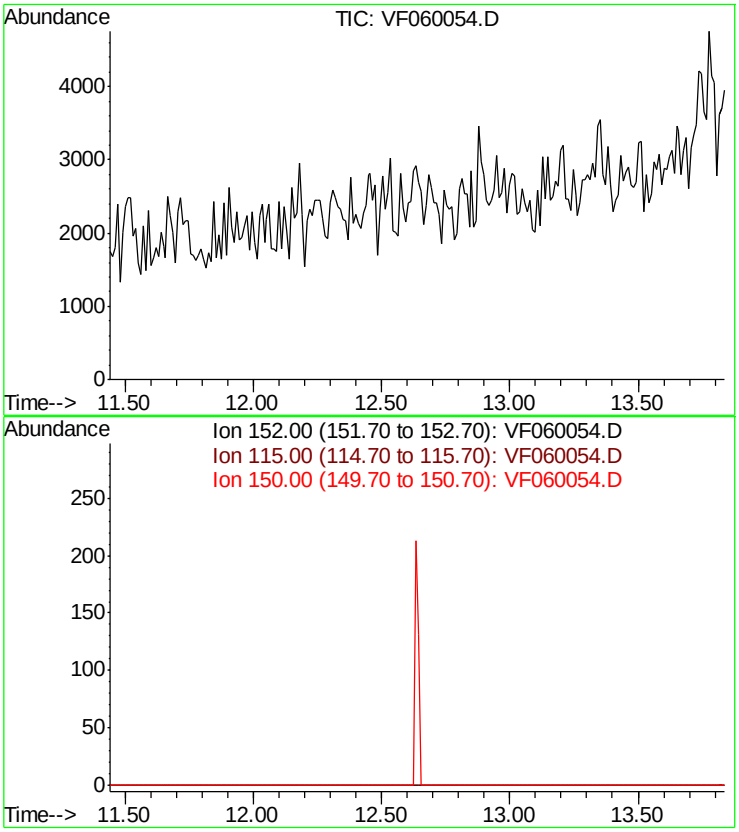


#68
m/p-Xylenes
Concen: Below Cal
RT: 10.25 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion:106 Resp: 76

Ion	Ratio	Lower	Upper
106	100		
91	0.0	171.8	257.8#





#72
1,4-Dichlorobenzene-d4
Concen: 0.00 ug/l
Expected RT: 12.64 min

Lab File: VF060054.D
Acq: 23 Aug 2018 15:42

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	57.3
150	156.0

Instrument :
MSVOA_F
ClientSampleId :
OK-01-082118RE