Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082918\

Quantitation Report (Not Reviewed)

Data File : VF060181.D
Acq On : 29 Aug 2018 7:49
Operator : VA/AP
Sample : J4276-05
Misc : 5.82g/5mL/MSVOA_F/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : OK-02-082718

Quant Time: Aug 29 08:10:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	15501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	23620	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	13632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	8031	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	15711	162.28	ug/l	0.00
Spiked Amount 50.000			Recovery = 324.56%			
35) Dibromofluoromethane	4.27	113	13400	88.19	ug/l	0.00
Spiked Amount 50.000			Recovery = 176.38%			
50) Toluene-d8	7.70	98	5606	10.78	ug/l	0.00
Spiked Amount 50.000			Recovery = 21.56%			
62) 4-Bromofluorobenzene	11.51	95	8946	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.34%			
Target Compounds						Qvalue
3) Chloromethane	1.08	50	373	3.137	ug/l #	44
5) Bromomethane	1.33	94	714	11.988	ug/l #	53
6) Chloroethane	1.44	64	73	1.025	ug/l #	44
10) Methyl Iodide	1.96	142	219	1.905	ug/l #	25
14) Allyl chloride	2.10	41	189	1.522	ug/l #	1
16) Acetone	2.31	43	2107	183.719	ug/l	99
18) Methyl Acetate	2.44	43	1104	60.479	ug/l #	67
20) Methylene Chloride	2.29	84	1260	14.017	ug/l #	79
23) Vinyl Acetate	3.31	43	102	27.990	ug/l #	82
25) 2-Butanone	4.49	43	156	13.679	ug/l #	44
26) 2,2-Dichloropropane	3.63	77	61	4.260	ug/l #	66
29) Tetrahydrofuran	4.53	42	131	34.482	ug/l #	42
37) Ethyl Acetate	4.38	43	84	5.768	ug/l #	1
39) Methylcyclohexane	5.75	83	398	1.261	ug/l #	15
43) Isopropyl Acetate	7.15	43	83	1.639	ug/l #	48
48) Methyl methacrylate	6.87	41	62	1.063	ug/l #	50
49) 1,4-Dioxane	7.18	88	72	335.976	ug/l #	19
51) 4-Methyl-2-Pentanone	8.39	43	158	3.572	ug/l #	36
53) t-1,3-Dichloropropene	8.37	75	69	3.973	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.69	63	65	4.590	ug/l	100
59) 2-Hexanone	9.62	43	116	3.736	ug/l #	36
74) N-amyl acetate	11.53	43	153	2.324	ug/l #	52
84) 1,2,4-Trimethylbenzene	12.29	105	617	1.088	ug/l #	66
87) 1,3-Dichlorobenzene	12.55	146	393	1.435	ug/l #	64
88) 1,4-Dichlorobenzene	12.64	146	357	1.446	ug/l #	50
89) n-Butylbenzene	12.92	91	554	4.317	ug/l #	40
91) 1,2-Dichlorobenzene	13.02	146	445	2.103	ug/l #	53
92) 1,2-Dibromo-3-Chloropropan	13.69	75	76	7.521	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.26	180	78	5.187	ug/l #	82
95) Naphthalene	14.52	128	2437	30.946	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.67	180	196	7.352	ug/l #	66

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

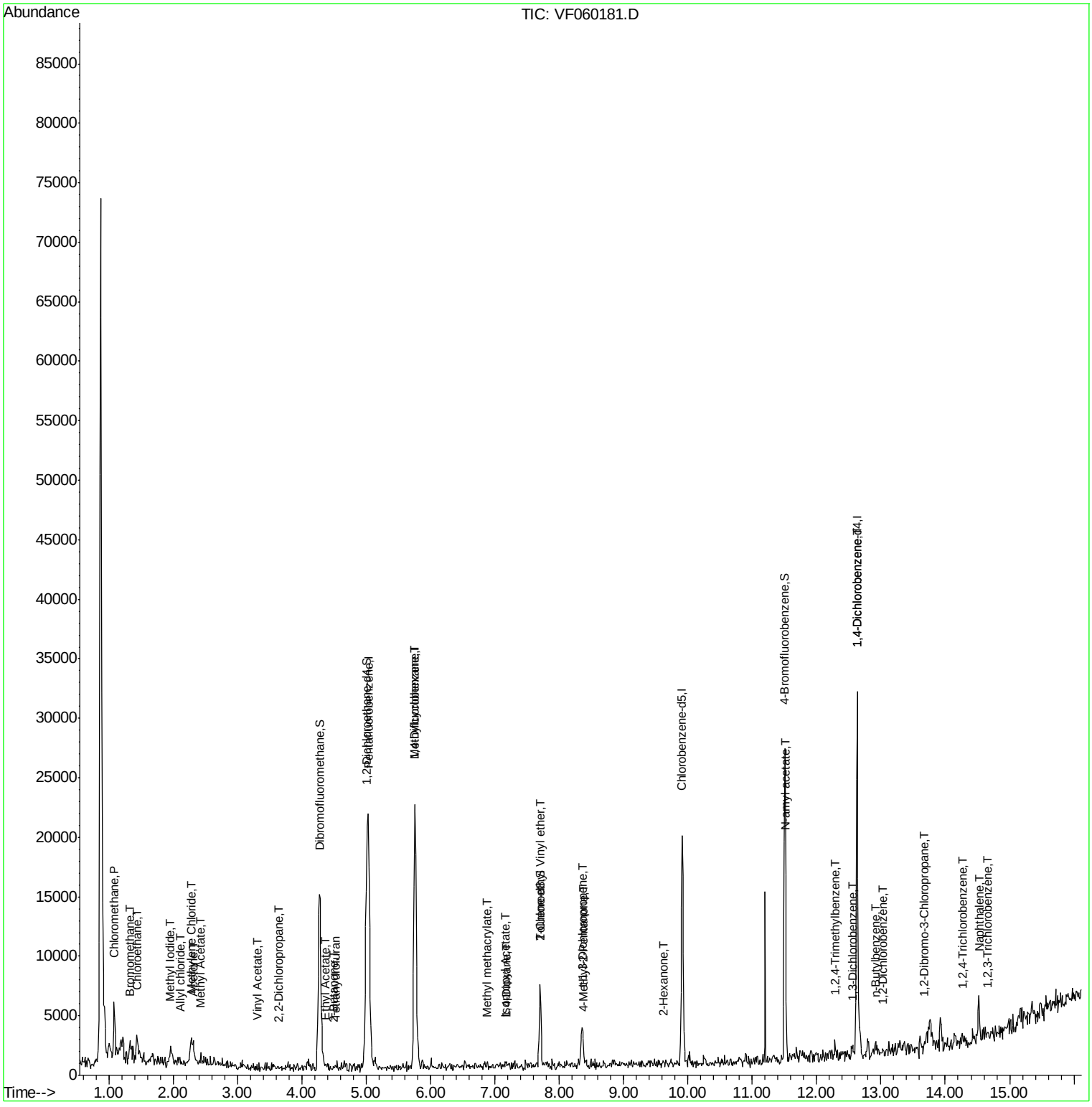
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082918\

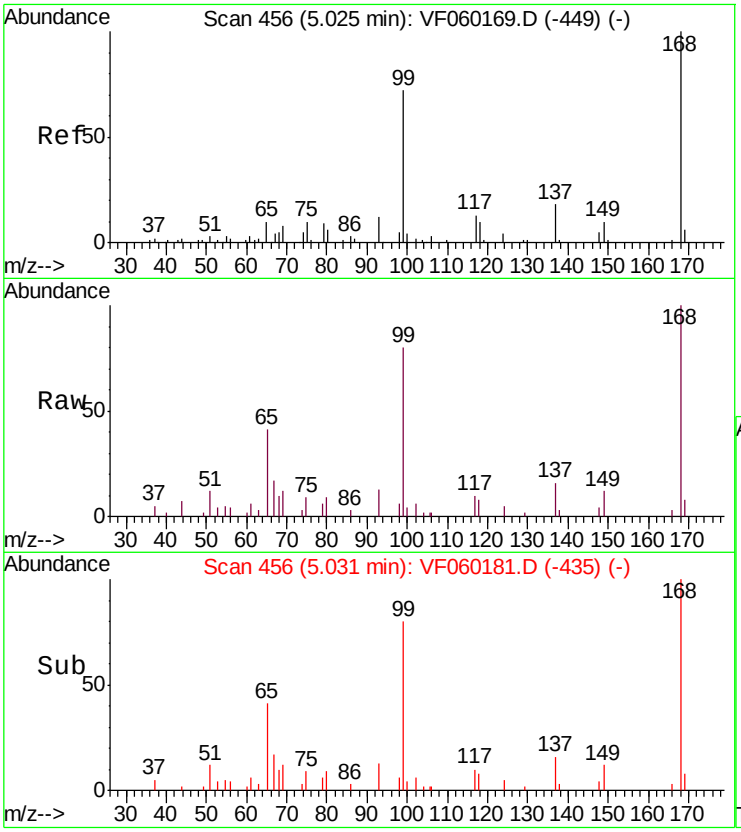
Quantitation Report (Not Reviewed)

Data File : VF060181.D
Acq On : 29 Aug 2018 7:49
Operator : VA/AP
Sample : J4276-05
Misc : 5.82g/5mL/MSVOA_F/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Quant Time: Aug 29 08:10:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration



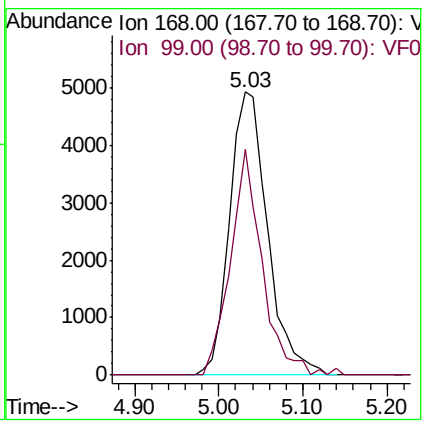


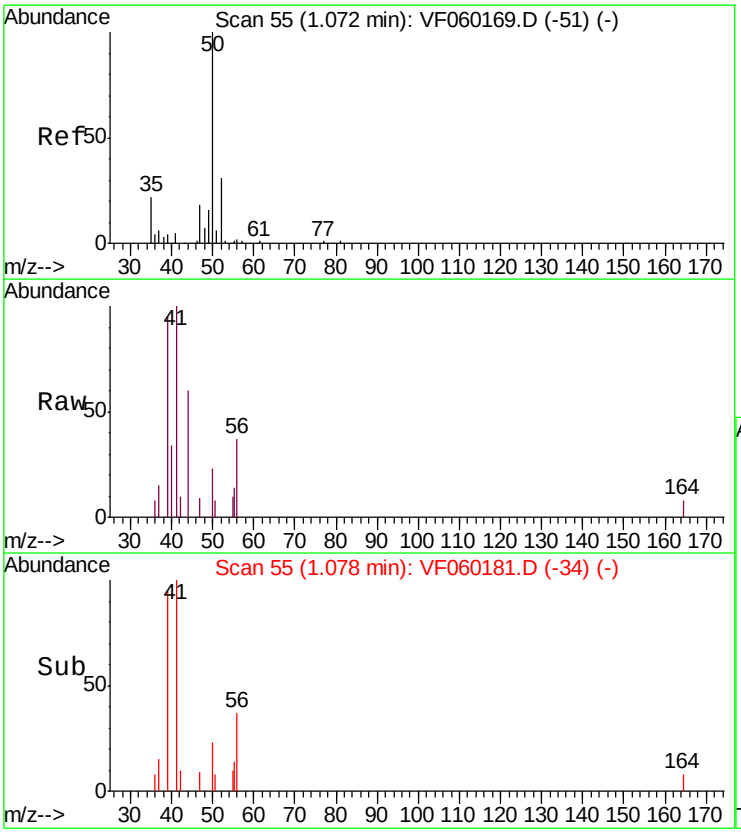
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion:168 Resp: 15501

Ion	Ratio	Lower	Upper
168	100		
99	79.7	57.9	86.9

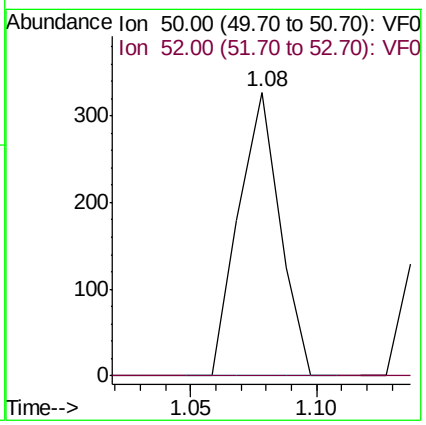


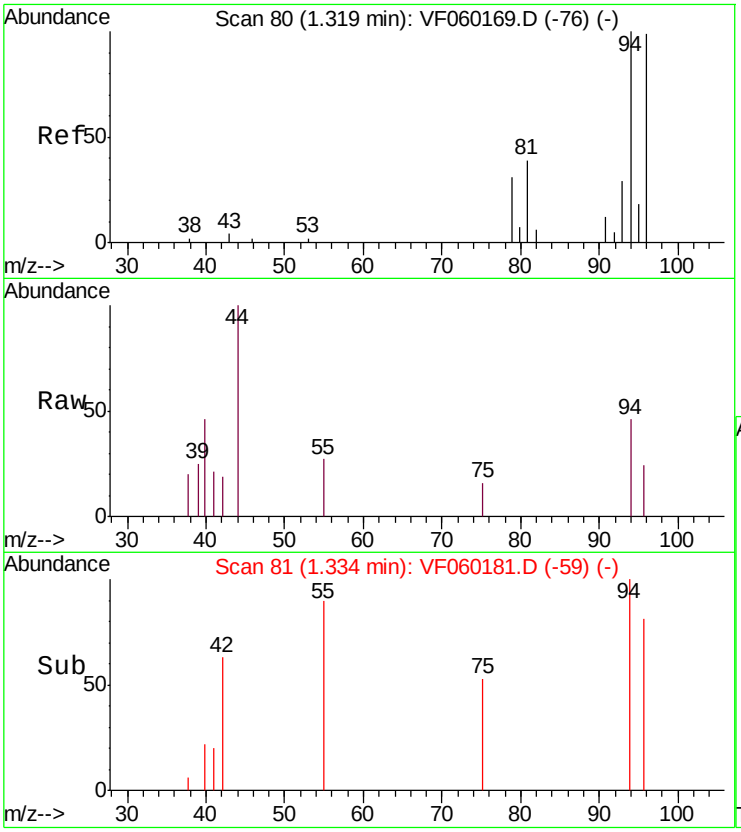


#3
Chloromethane
Concen: 3.137 ug/l
RT: 1.08 min Scan# 55
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 50 Resp: 373

Ion	Ratio	Lower	Upper
50	100		
52	0.0	24.4	36.6#



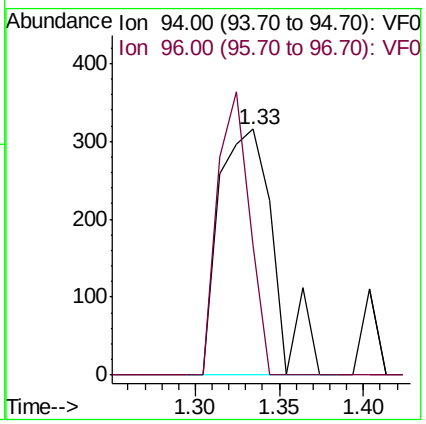


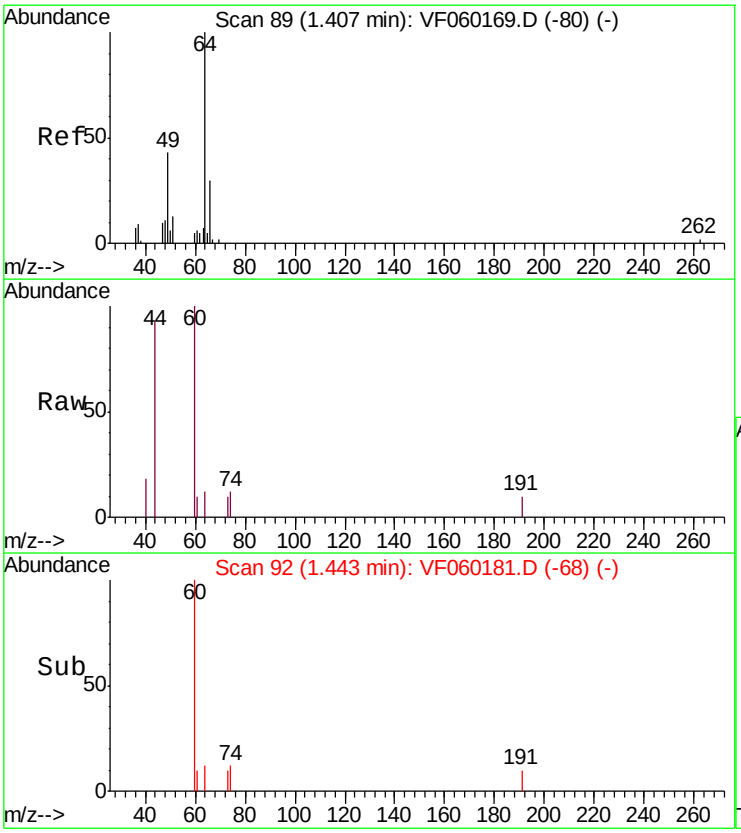
#5
Bromomethane
Concen: 11.988 ug/l
RT: 1.33 min Scan# 81
Delta R.T. 0.02 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion: 94 Resp: 714

Ion	Ratio	Lower	Upper
94	100		
96	52.5	79.0	118.4#

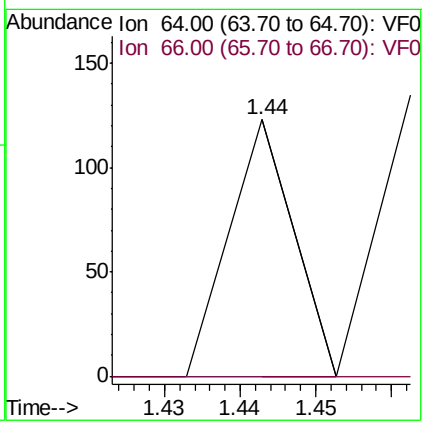


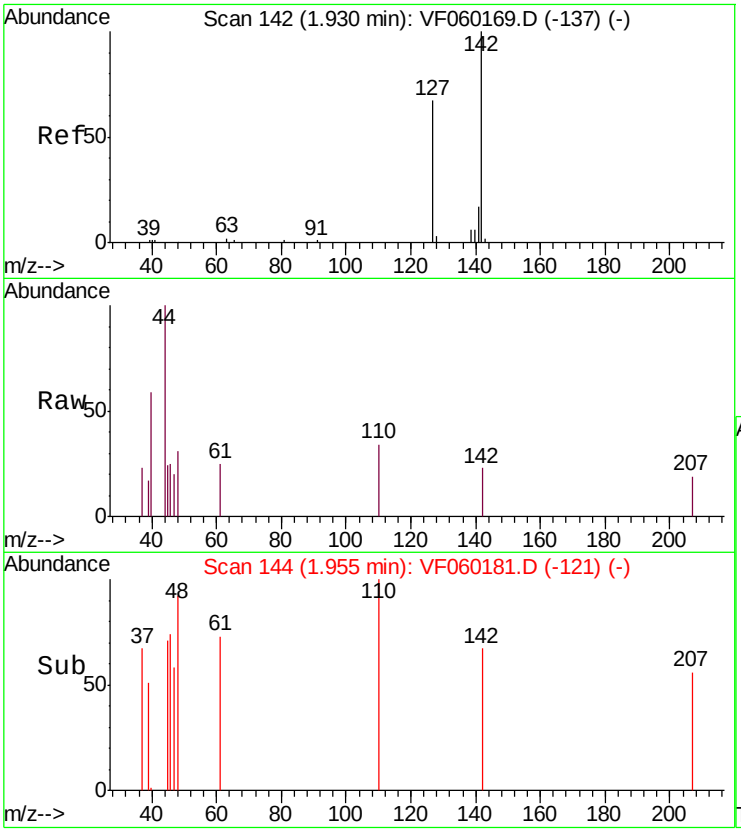


#6
Chloroethane
Concen: 1.025 ug/l
RT: 1.44 min Scan# 92
Delta R.T. 0.04 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 64 Resp: 73

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.2	36.4#



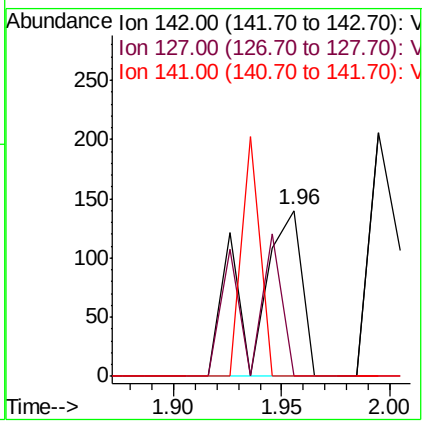


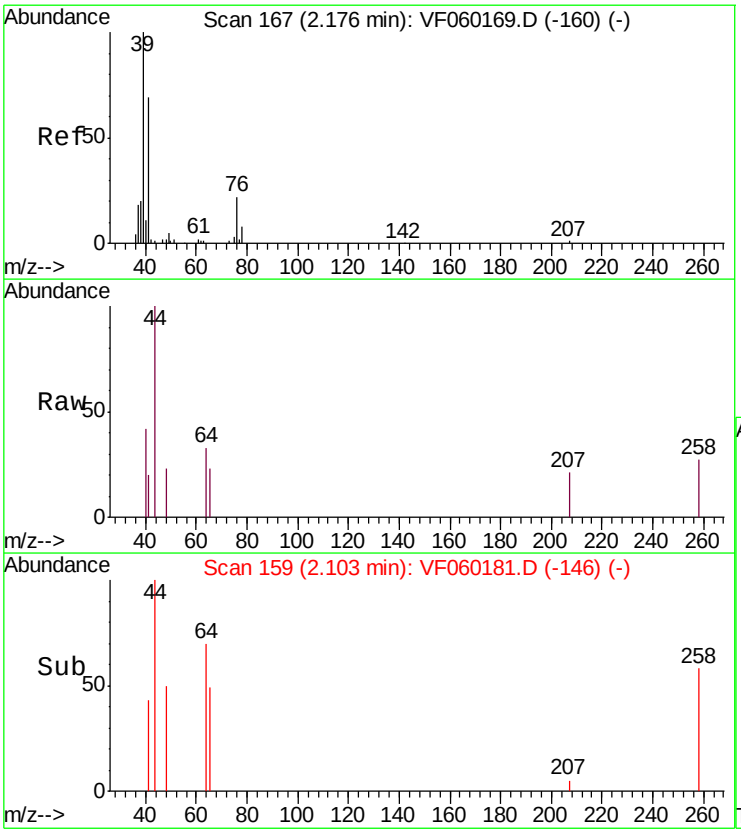
#10
Methyl Iodide
Concen: 1.905 ug/l
RT: 1.96 min Scan# 144
Delta R.T. 0.03 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion:142 Resp: 219

Ion	Ratio	Lower	Upper
142	100		
127	0.0	53.9	80.9#
141	0.0	13.4	20.2#

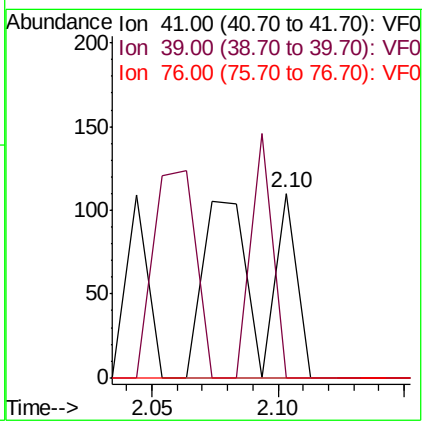


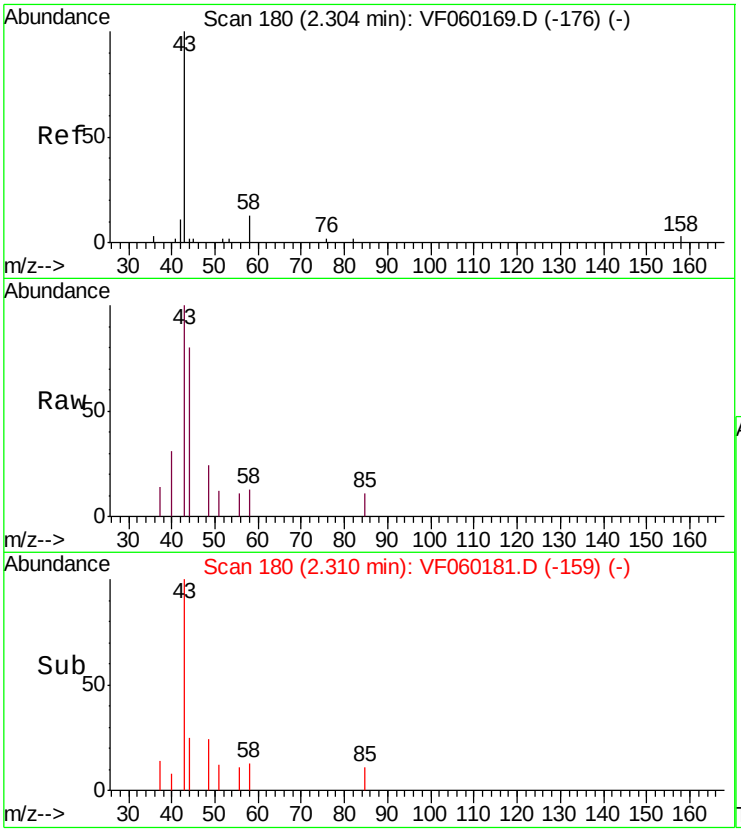


#14
Allyl chloride
Concen: 1.522 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.07 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 41 Resp: 189

Ion	Ratio	Lower	Upper
41	100		
39	0.0	117.8	176.6#
76	0.0	25.9	38.9#



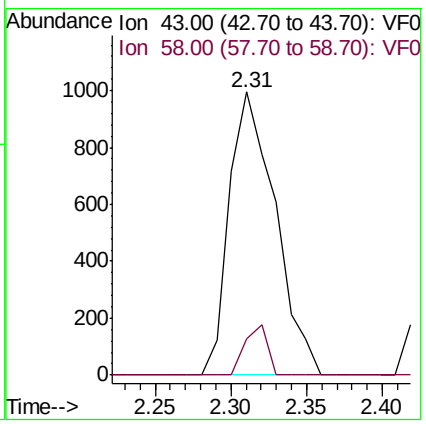


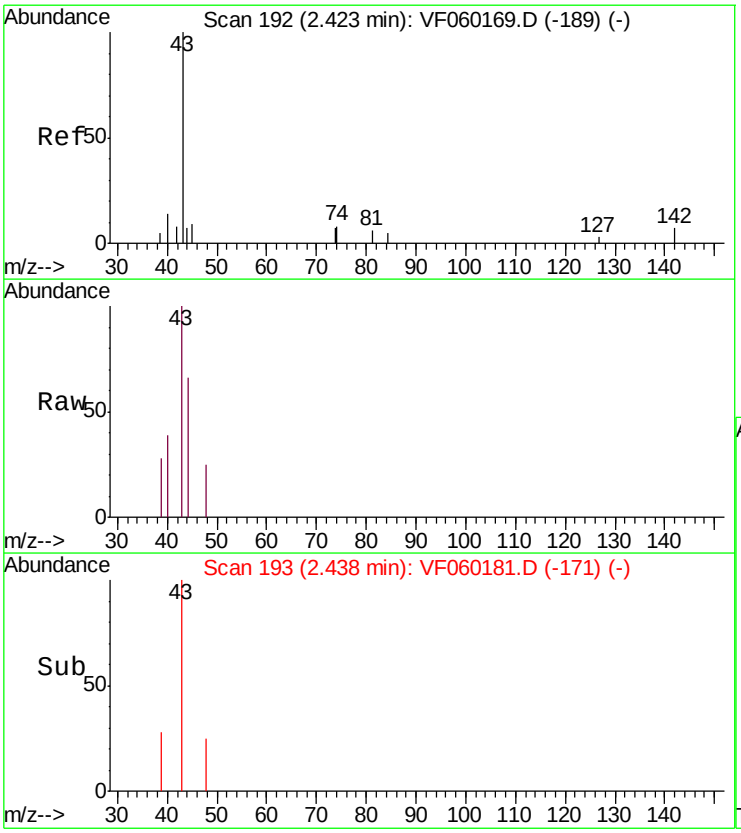
#16
Acetone
Concen: 183.719 ug/l
RT: 2.31 min Scan# 180
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion: 43 Resp: 2107

Ion	Ratio	Lower	Upper
43	100		
58	13.0	10.7	16.1

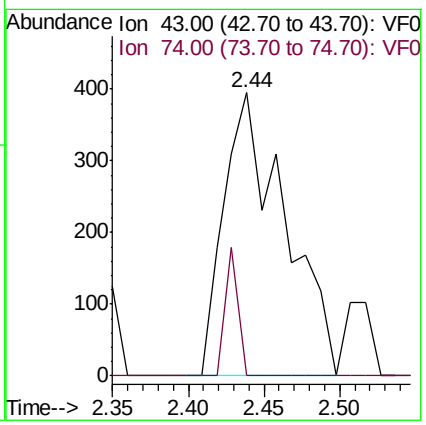


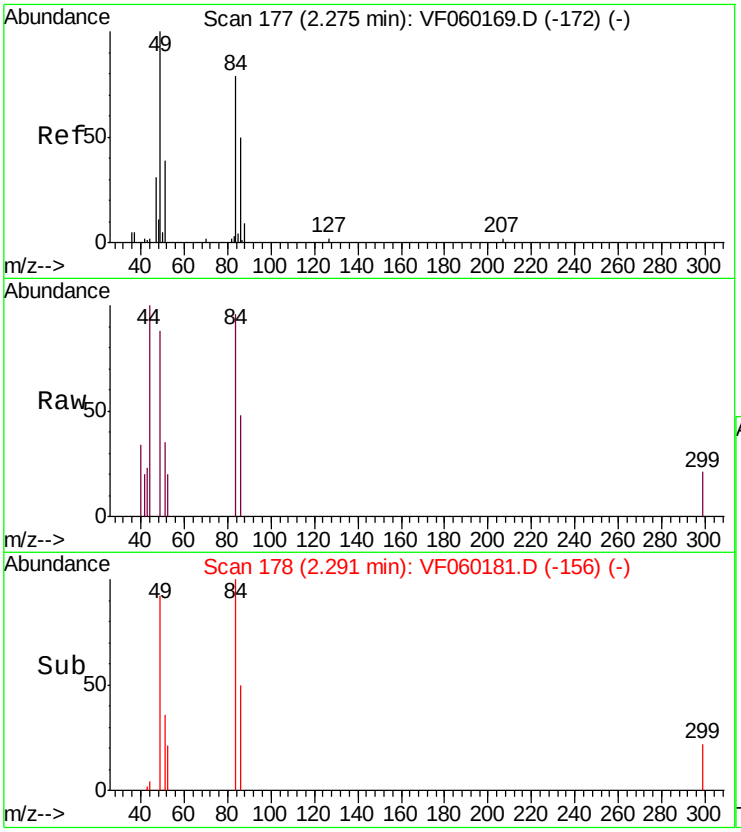


#18
Methyl Acetate
Concen: 60.479 ug/l
RT: 2.44 min Scan# 193
Delta R.T. 0.02 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 43 Resp: 1104

Ion	Ratio	Lower	Upper
43	100		
74	0.0	10.6	16.0#



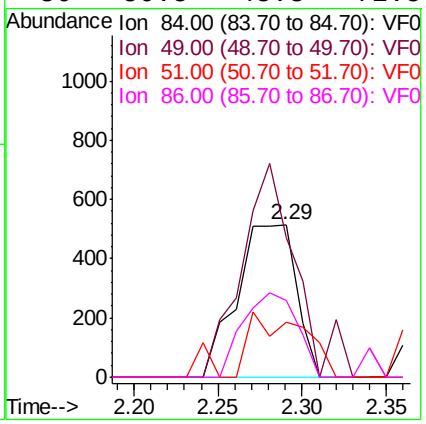


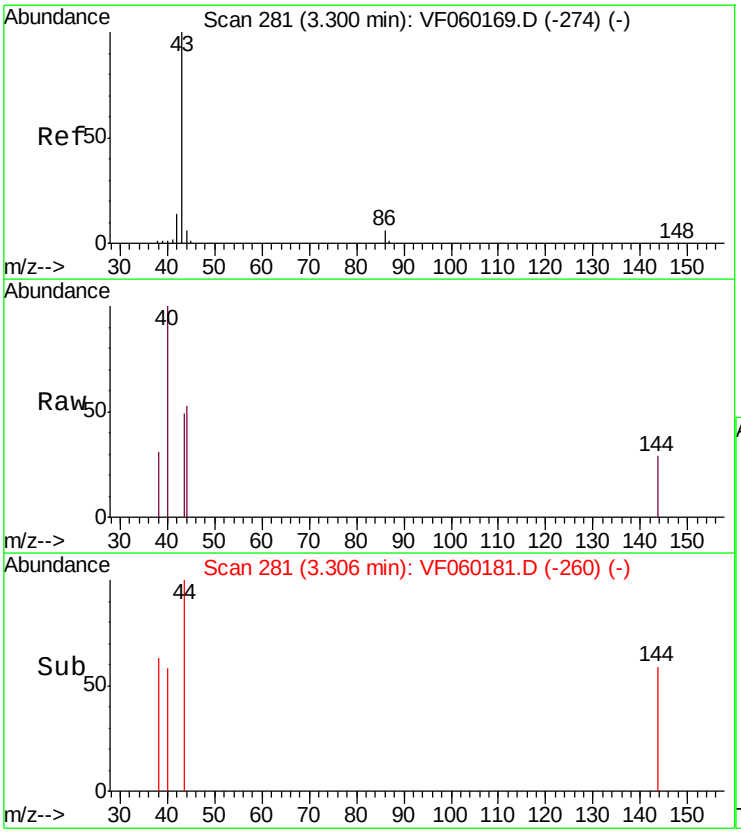
#20
Methylene Chloride
Concen: 14.017 ug/l
RT: 2.29 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument : MSVOA_F
ClientSampleId : OK-02-082718

Tgt Ion: 84 Resp: 1260

Ion	Ratio	Lower	Upper
84	100		
49	91.7	97.0	145.4#
51	36.3	38.2	57.2#
86	50.5	48.3	72.5

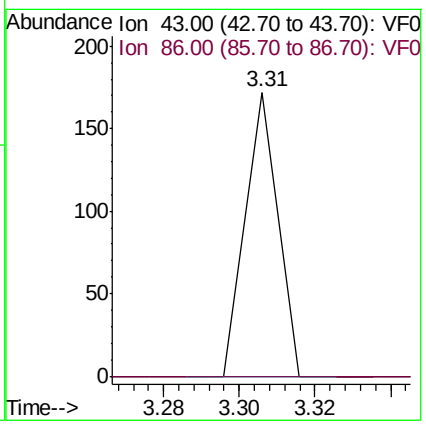


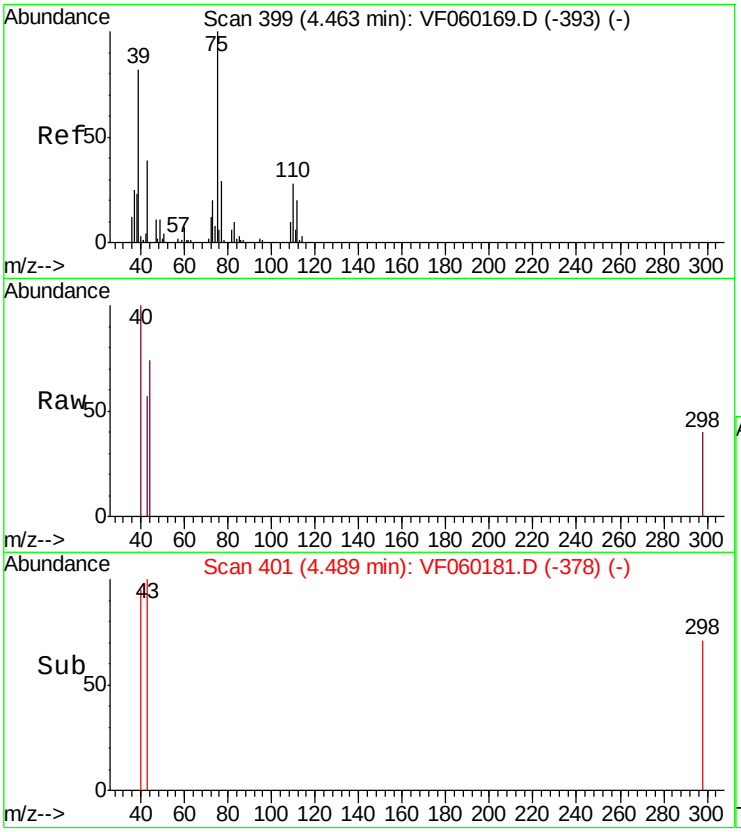


#23
Vinyl Acetate
Concen: 27.990 ug/l
RT: 3.31 min Scan# 281
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 43 Resp: 102

Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.9	7.3#



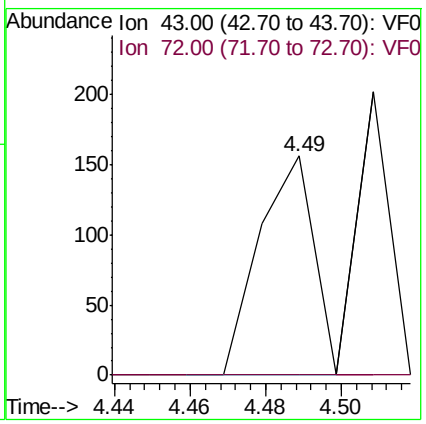


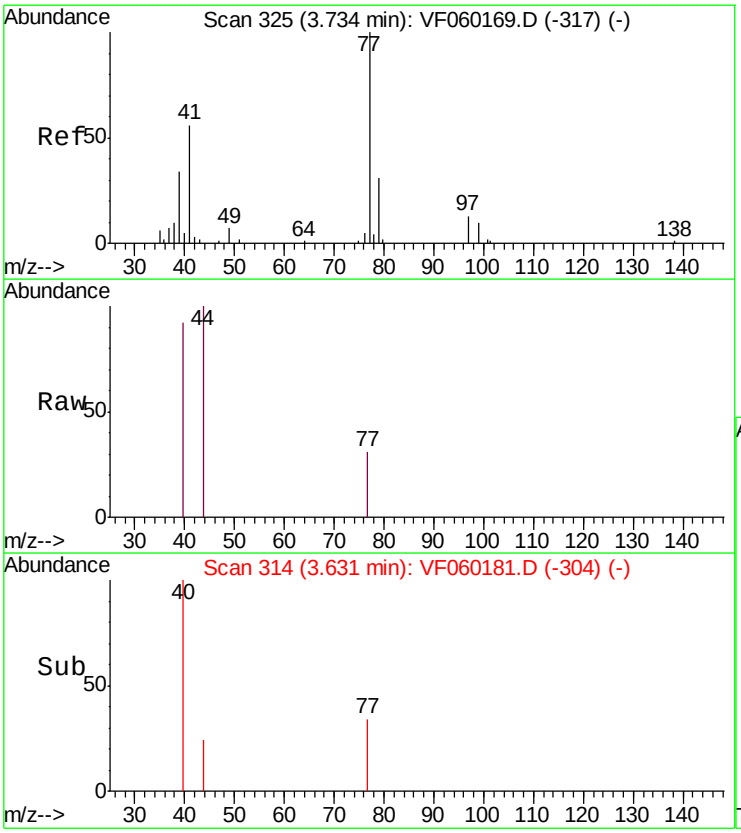
#25
2-Butanone
Concen: 13.679 ug/l
RT: 4.49 min Scan# 401
Delta R.T. 0.03 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion: 43 Resp: 156

Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.2	36.2#

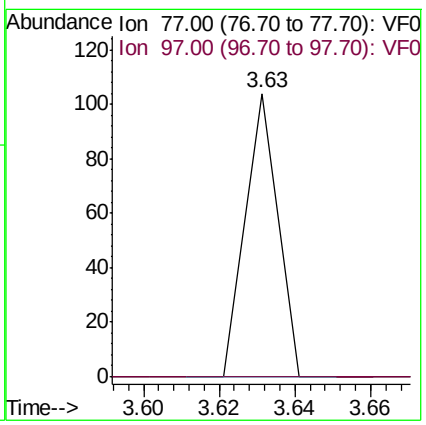


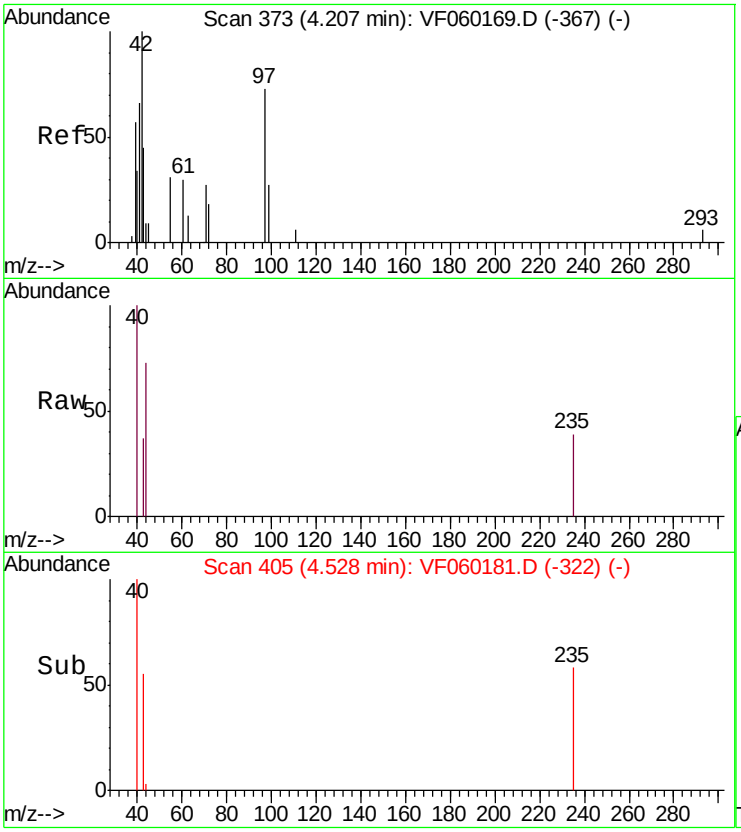


#26
2,2-Dichloropropane
Concen: 4.260 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.10 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 77 Resp: 61

Ion	Ratio	Lower	Upper
77	100		
97	0.0	7.0	21.0#



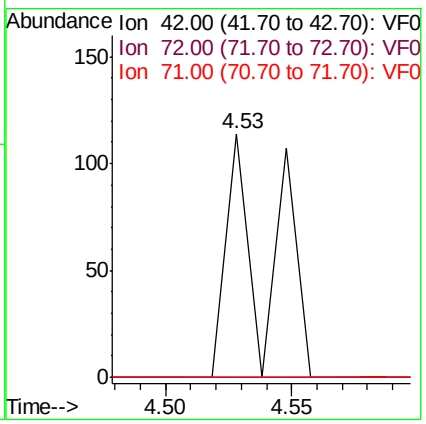


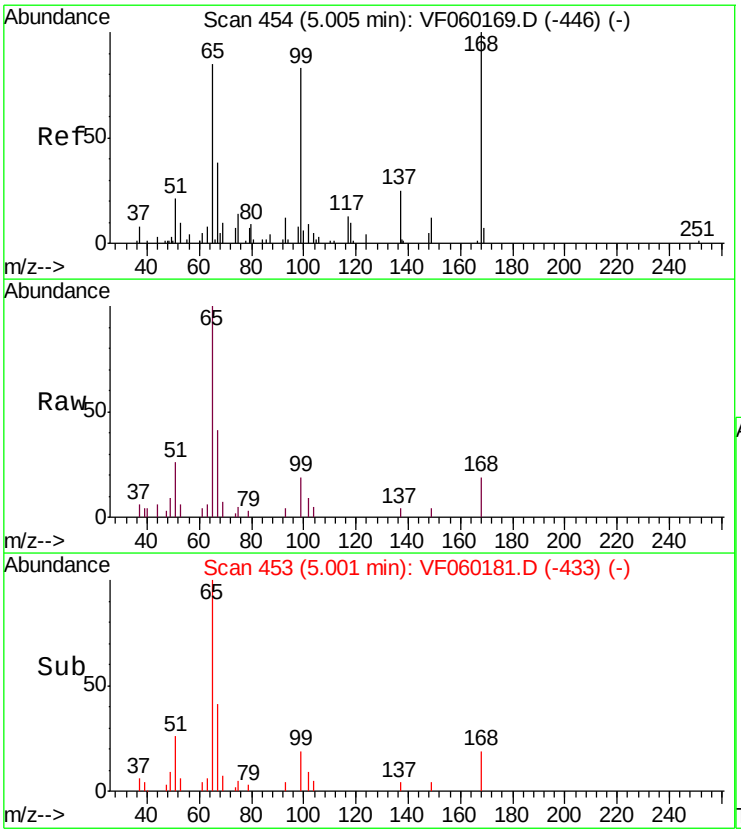
#29
Tetrahydrofuran
Concen: 34.482 ug/l
RT: 4.53 min Scan# 405
Delta R.T. 0.32 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion: 42 Resp: 131

Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.0	40.4#
71	0.0	24.6	36.8#

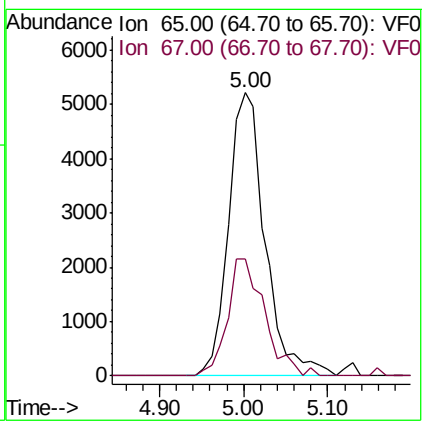


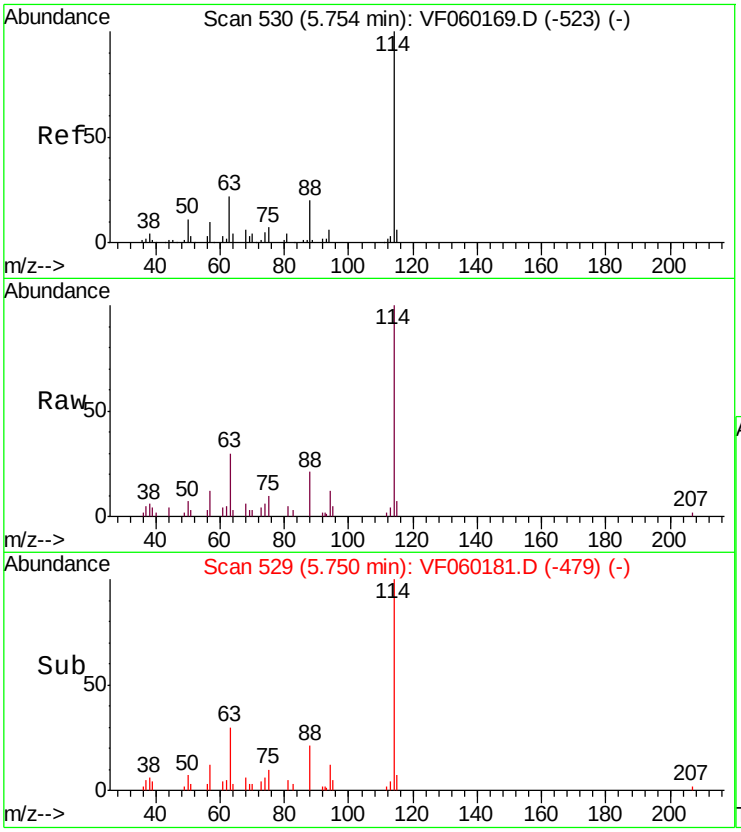


#33
1,2-Dichloroethane-d4
Concen: 162.285 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.00 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 65 Resp: 15711

Ion	Ratio	Lower	Upper
65	100		
67	41.4	0.0	92.6



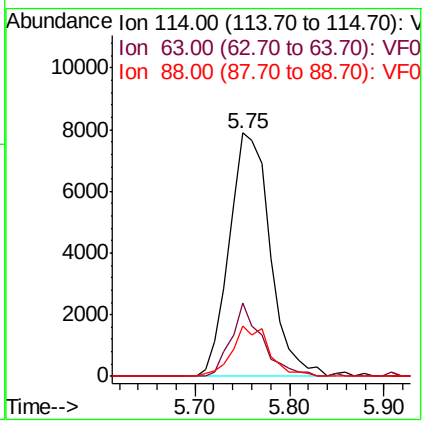


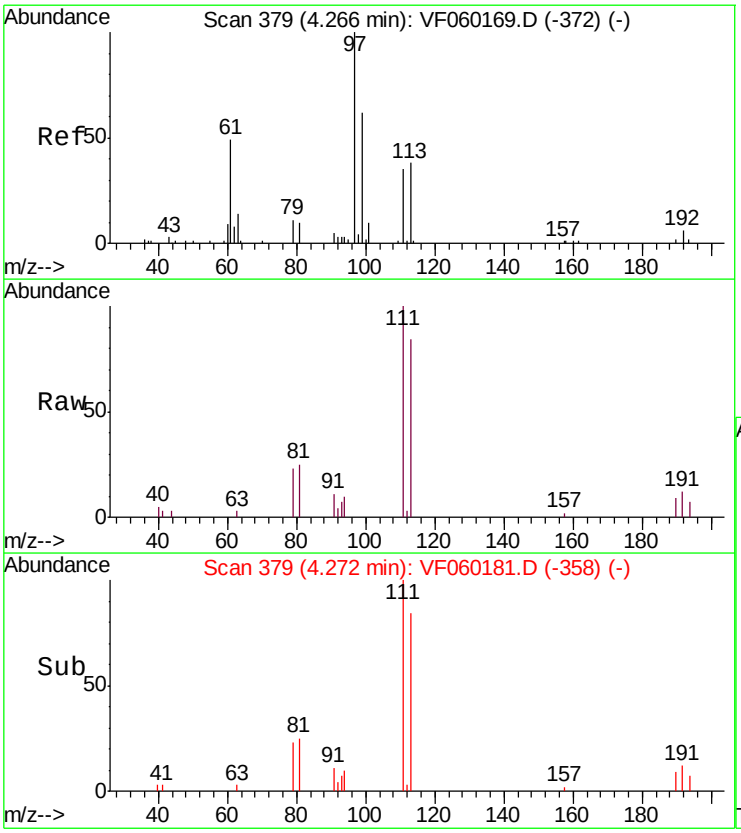
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 529
Delta R.T. -0.00 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion:114 Resp: 23620

Ion	Ratio	Lower	Upper
114	100		
63	30.0	0.0	45.8
88	20.6	0.0	40.2

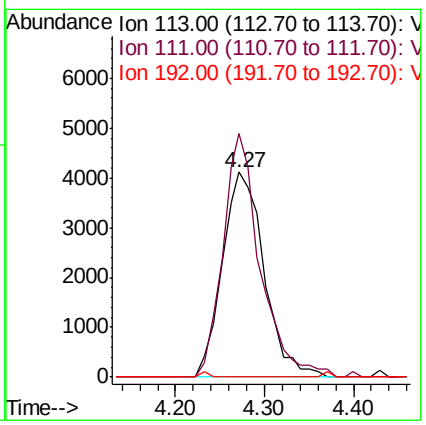


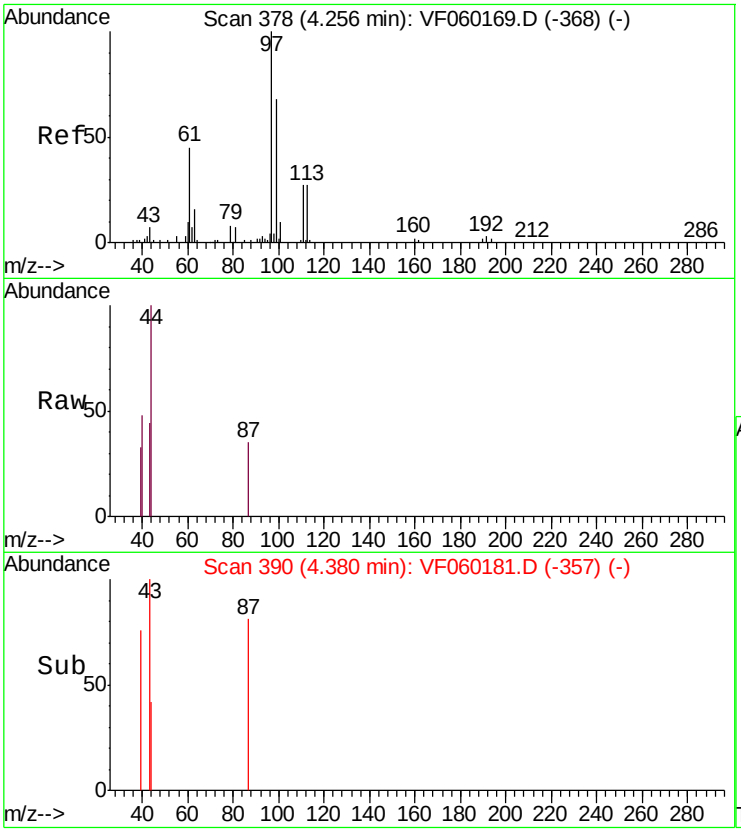


#35
Dibromofluoromethane
Concen: 88.187 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion:113 Resp: 13400

Ion	Ratio	Lower	Upper
113	100		
111	118.7	75.5	113.3#
192	0.0	12.5	18.7#



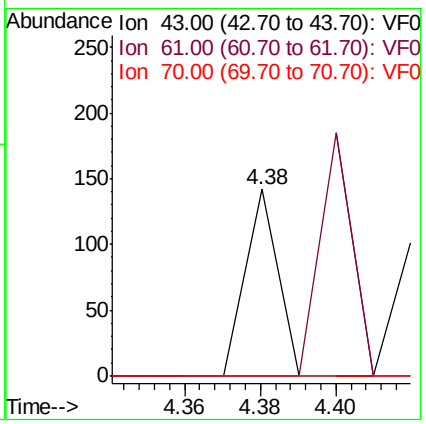


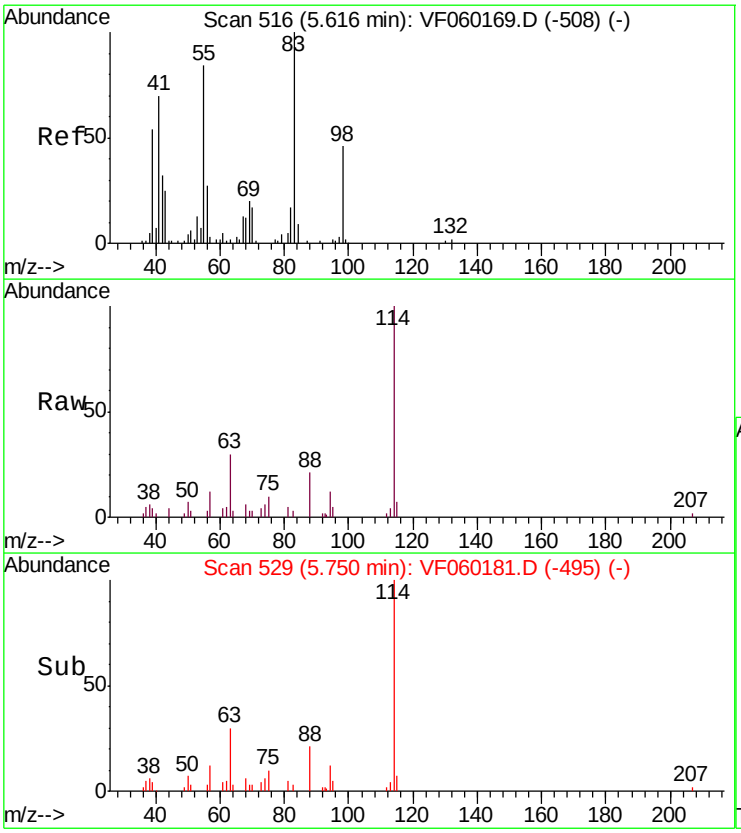
#37
Ethyl Acetate
Concen: 5.768 ug/l
RT: 4.38 min Scan# 390
Delta R.T. 0.12 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument : MSVOA_F
ClientSampleId : OK-02-082718

Tgt Ion: 43 Resp: 84

Ion	Ratio	Lower	Upper
43	100		
61	0.0	517.6	776.4#
70	0.0	15.4	23.2#

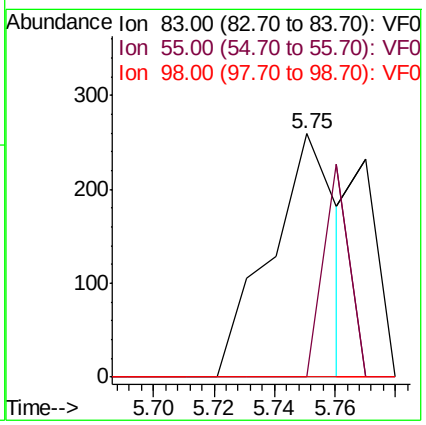


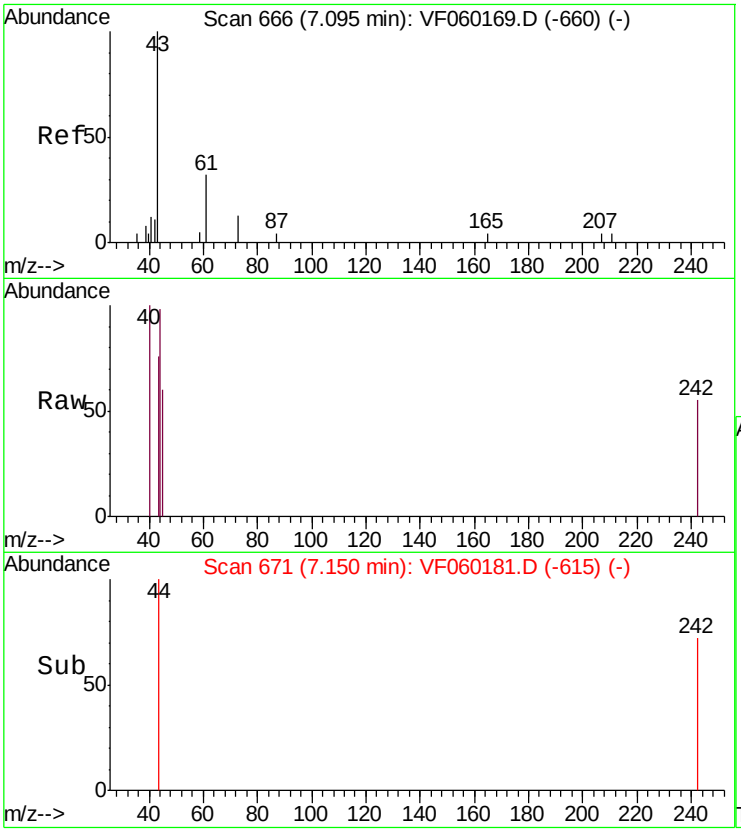


#39
Methylcyclohexane
Concen: 1.261 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.13 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 83 Resp: 398

Ion	Ratio	Lower	Upper
83	100		
55	0.0	67.4	101.2#
98	0.0	37.0	55.6#



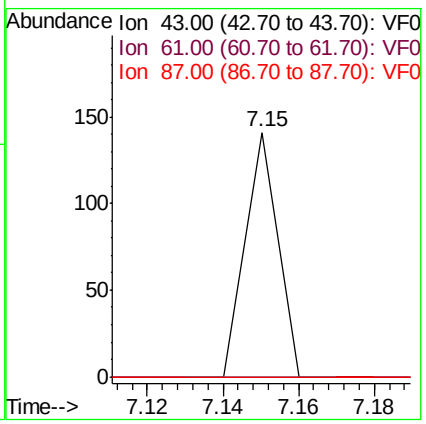


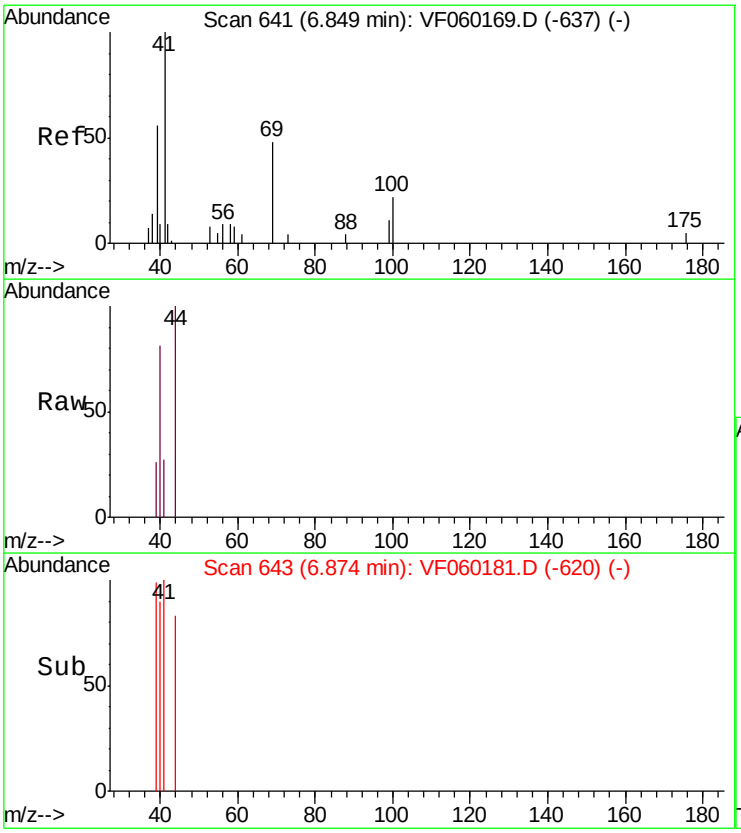
#43
Isopropyl Acetate
Concen: 1.639 ug/l
RT: 7.15 min Scan# 671
Delta R.T. 0.06 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion: 43 Resp: 83

Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.3	37.9#
87	0.0	3.0	4.6#

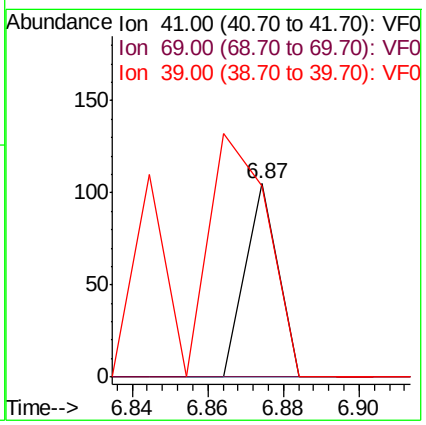


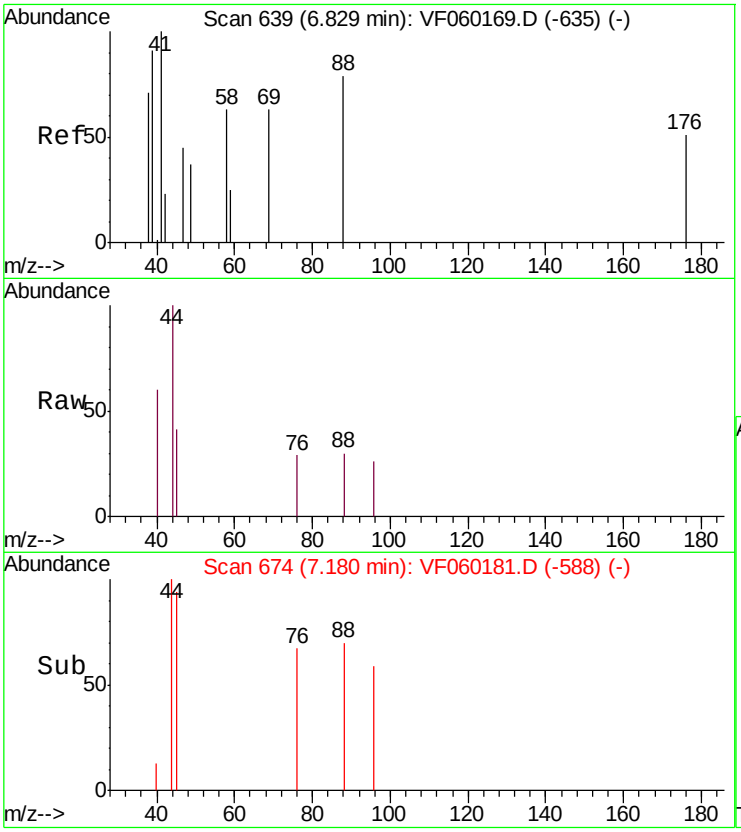


#48
Methyl methacrylate
Concen: 1.063 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.03 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 41 Resp: 62

Ion	Ratio	Lower	Upper
41	100		
69	0.0	38.2	57.2#
39	99.0	56.2	84.2#



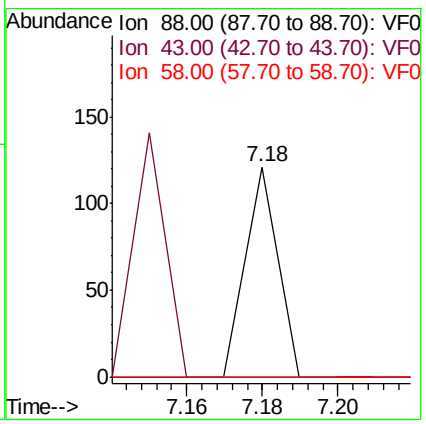


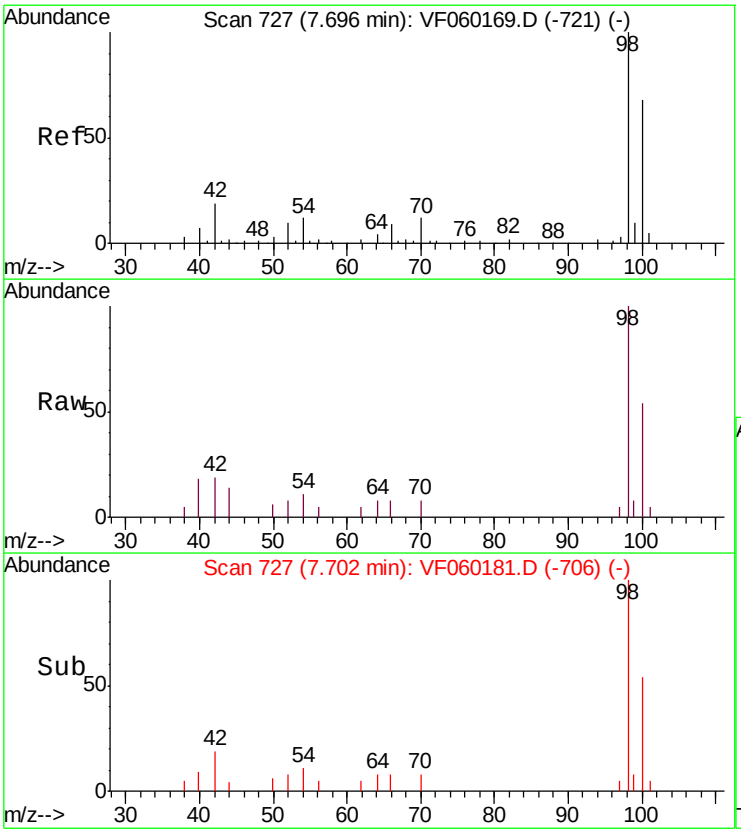
#49
1,4-Dioxane
Concen: 335.976 ug/l
RT: 7.18 min Scan# 674
Delta R.T. 0.35 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument : MSVOA_F
ClientSampleId : OK-02-082718

Tgt Ion: 88 Resp: 72

Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.5	36.7#
58	0.0	63.8	95.8#

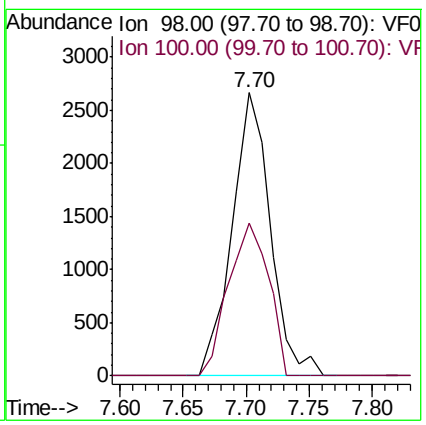


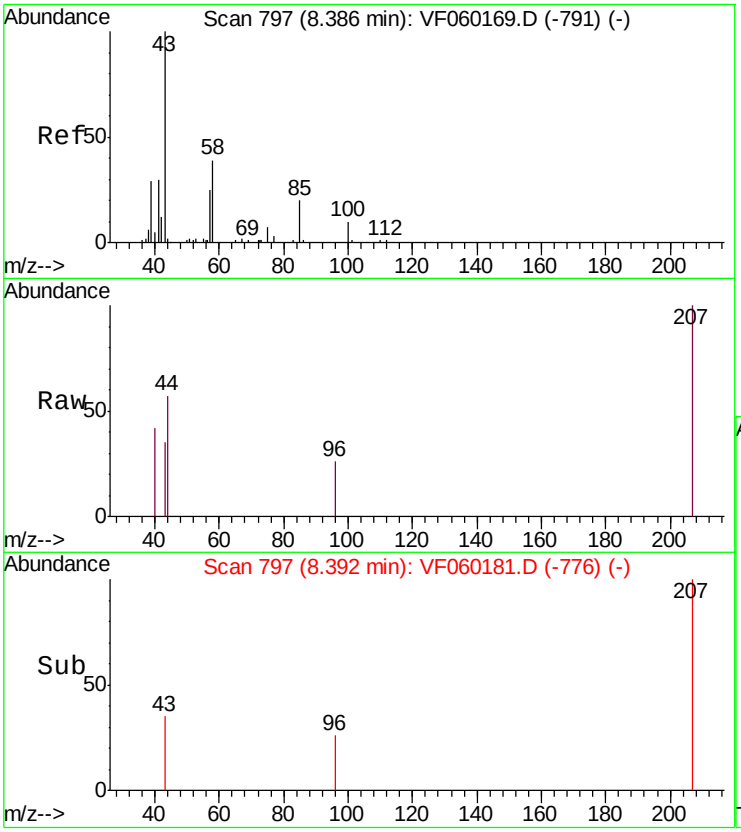


#50
Toluene-d8
Concen: 10.785 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 98 Resp: 5606

Ion	Ratio	Lower	Upper
98	100		
100	54.2	54.5	81.7#



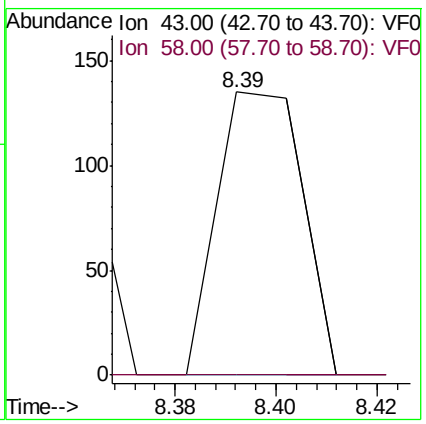


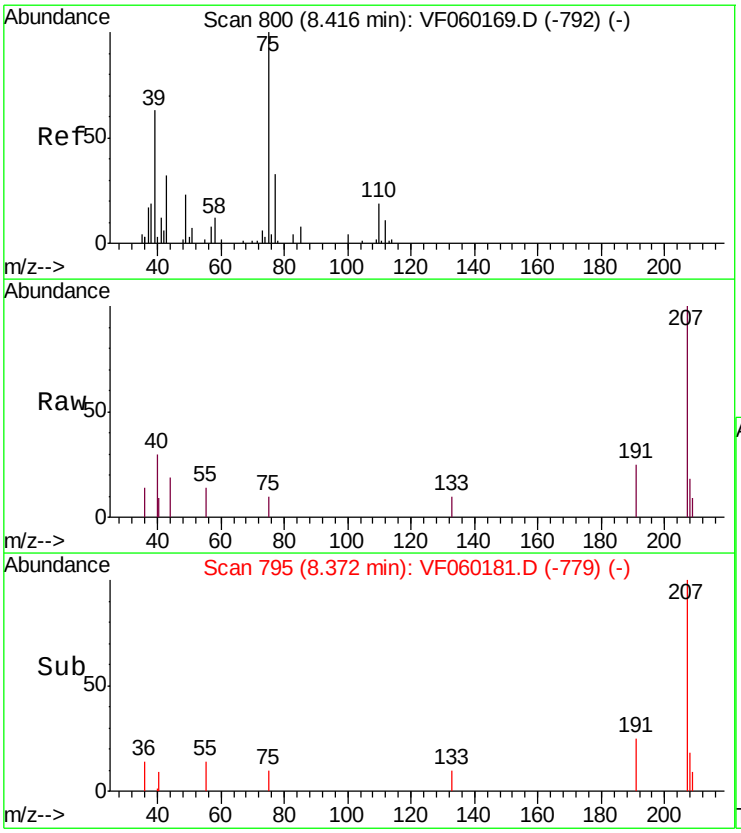
#51
4-Methyl-2-Pentanone
Concen: 3.572 ug/l
RT: 8.39 min Scan# 797
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion: 43 Resp: 158

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.0	46.6#

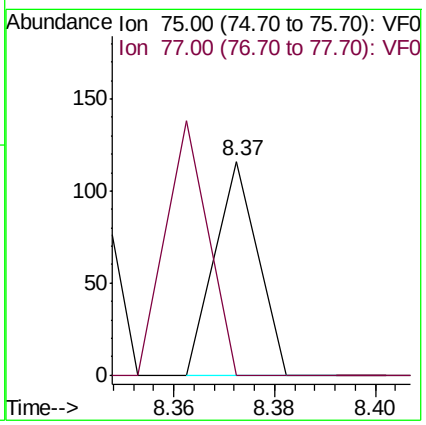


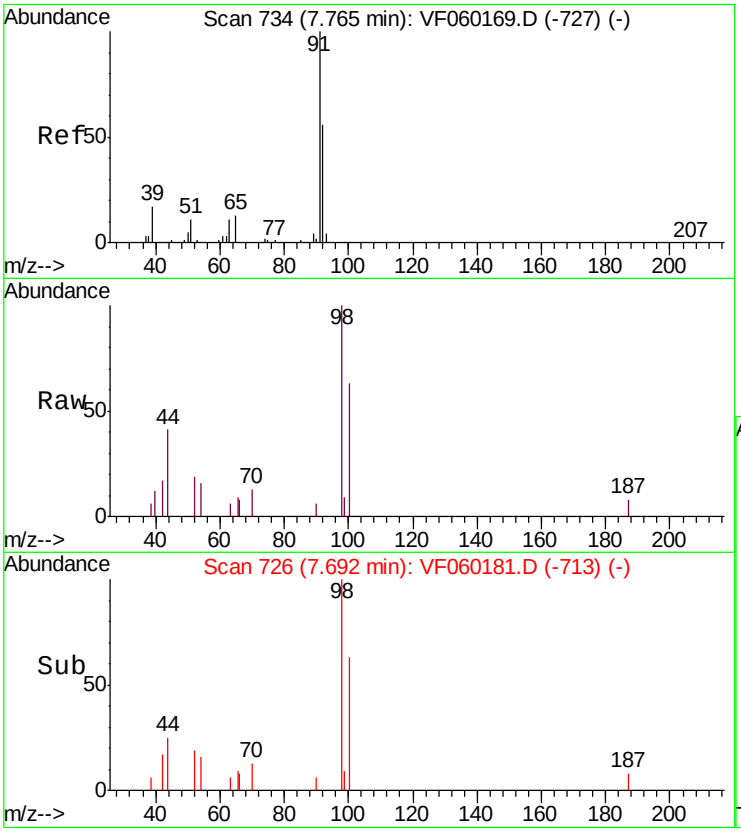


#53
t-1,3-Dichloropropene
Concen: 3.973 ug/l
RT: 8.37 min Scan# 795
Delta R.T. -0.04 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 75 Resp: 69

Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.4	39.6#



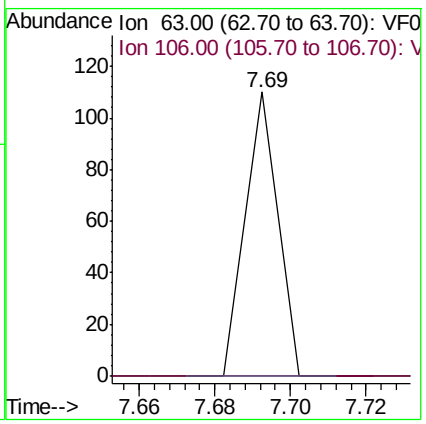


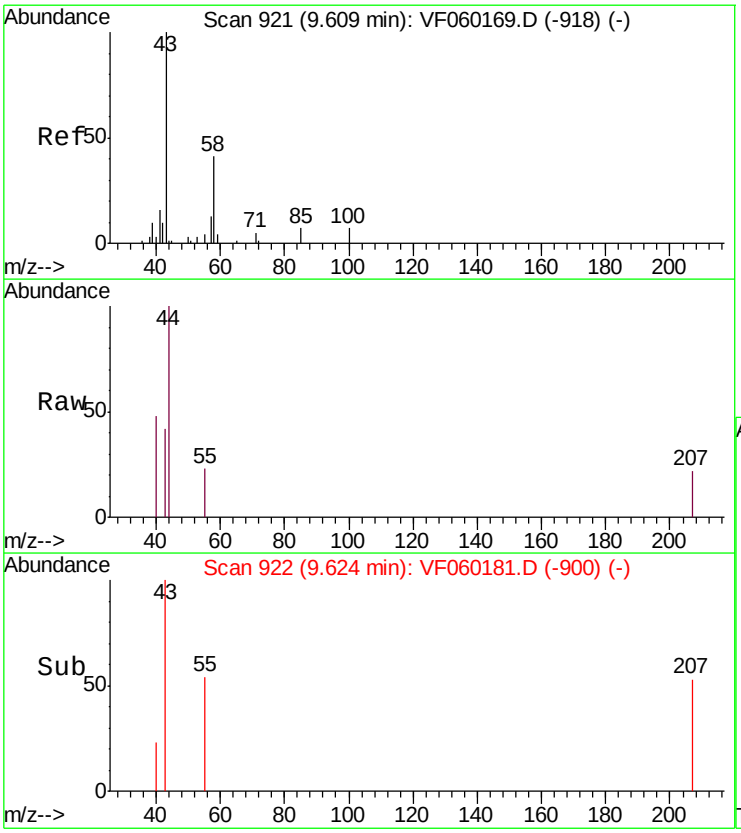
#58
2-Chloroethyl Vinyl ether
Concen: 4.590 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.07 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument : MSVOA_F
ClientSampleId : OK-02-082718

Tgt Ion: 63 Resp: 65

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

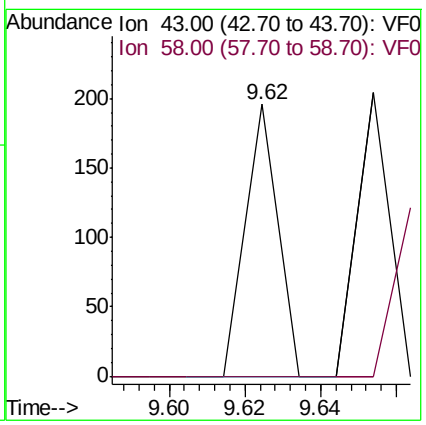


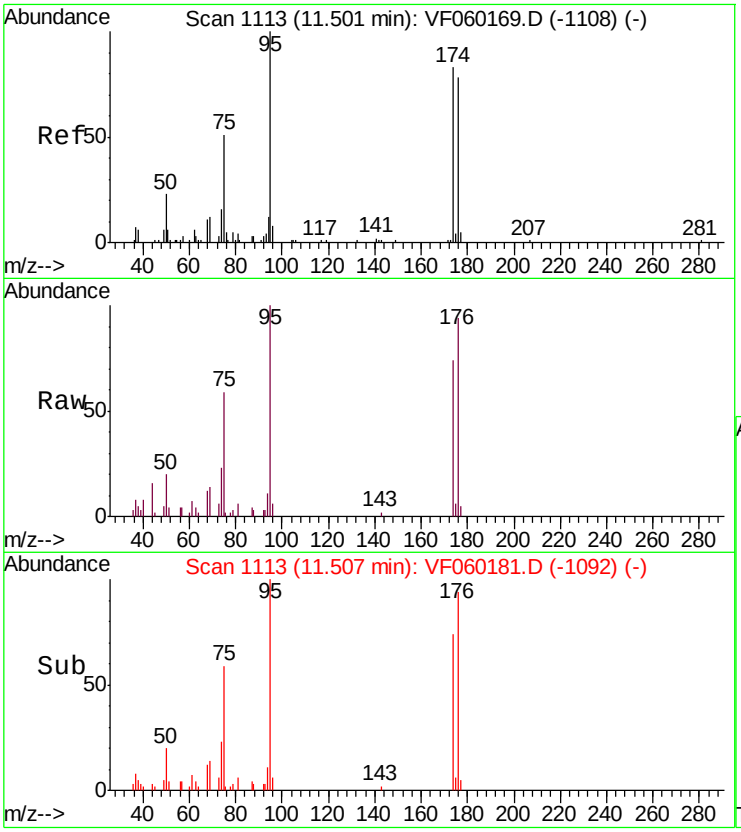


#59
2-Hexanone
Concen: 3.736 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.02 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 43 Resp: 116

Ion	Ratio	Lower	Upper
43	100		
58	0.0	19.4	58.4#



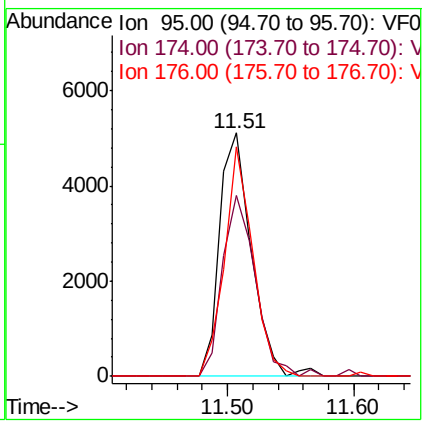


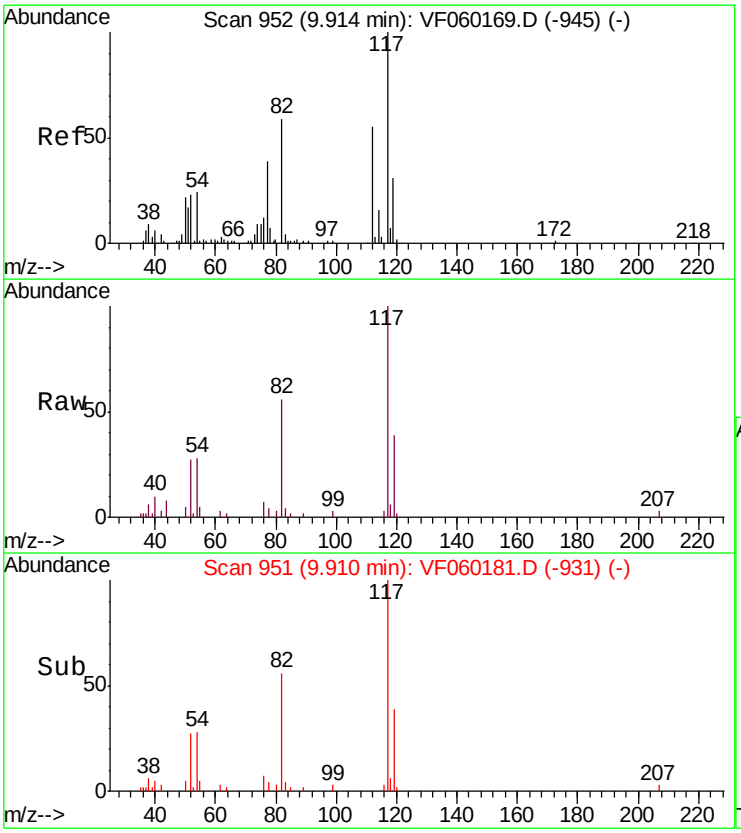
#62
4-Bromofluorobenzene
Concen: 46.671 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion: 95 Resp: 8946

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	165.2
176	94.3	0.0	156.6

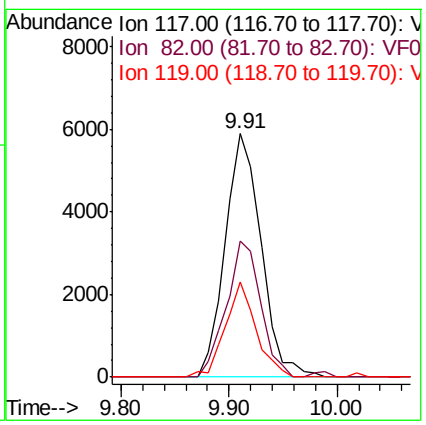


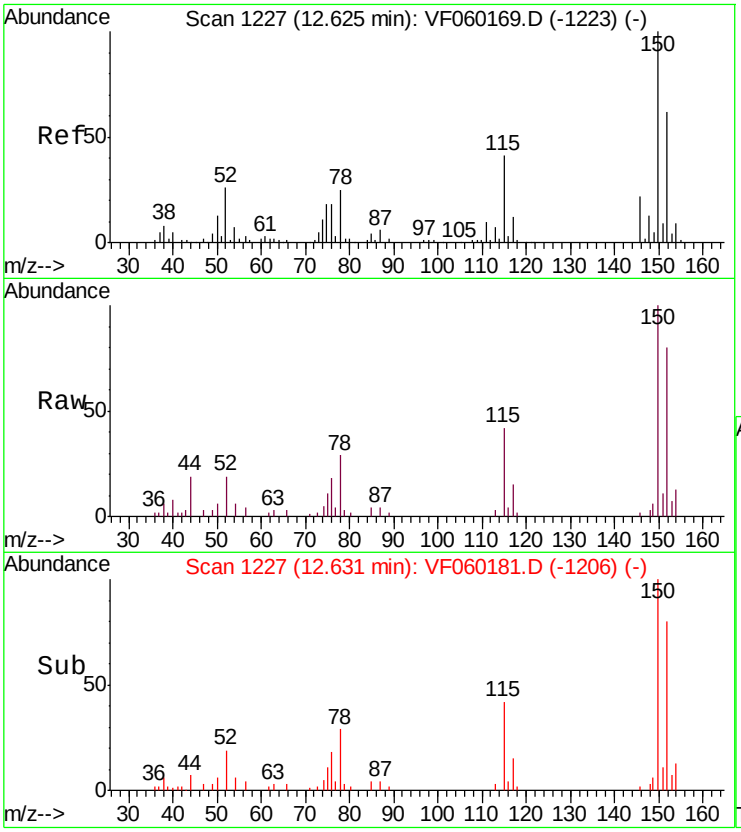


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion:117 Resp: 13632

Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.2	70.8
119	39.3	25.0	37.4#



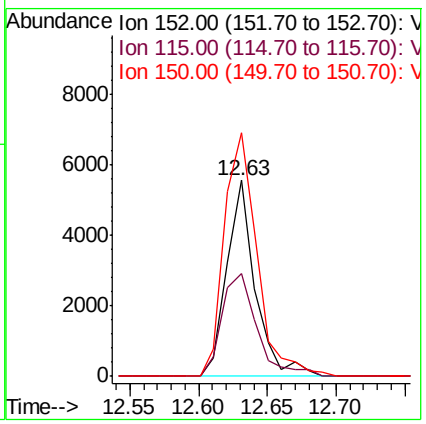


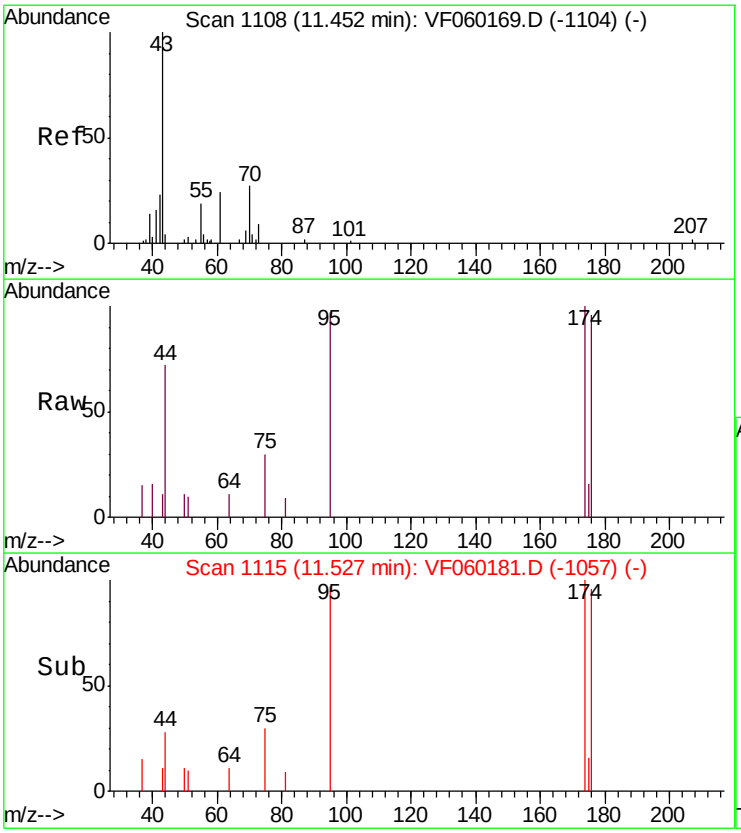
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument : MSVOA_F
ClientSampleId : OK-02-082718

Tgt Ion:152 Resp: 8031

Ion	Ratio	Lower	Upper
152	100		
115	52.5	33.2	99.6
150	124.4	0.0	325.6

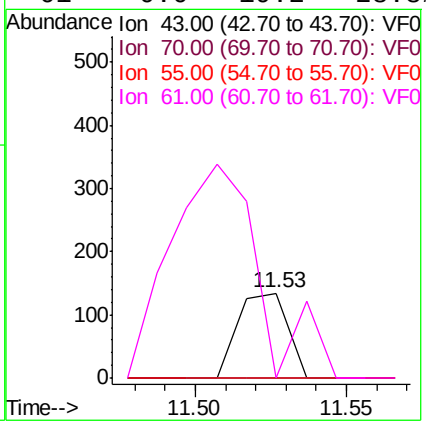


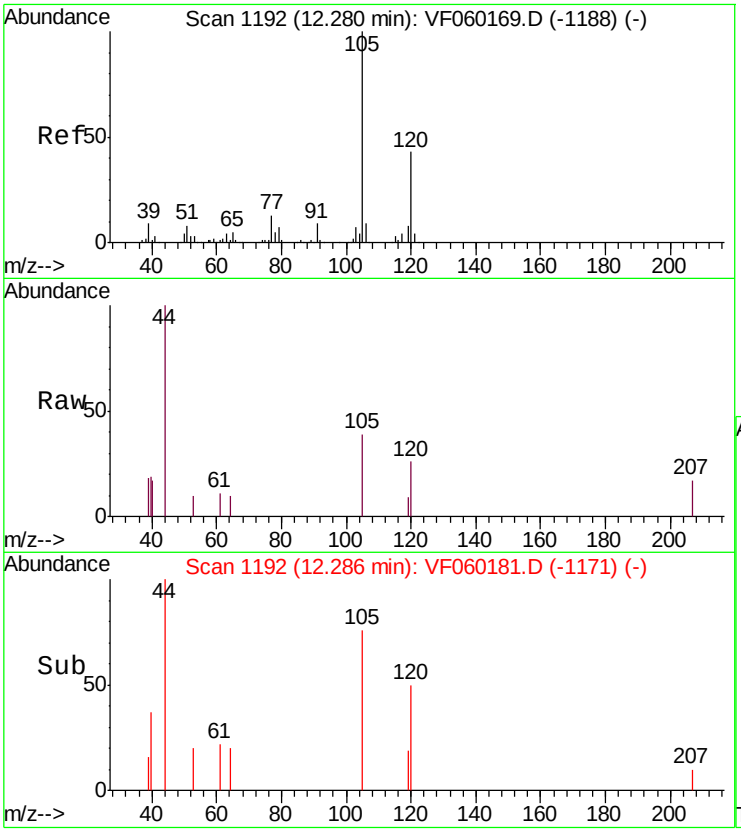


#74
N-amyl acetate
Concen: 2.324 ug/l
RT: 11.53 min Scan# 1115
Delta R.T. 0.07 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 43 Resp: 153

Ion	Ratio	Lower	Upper
43	100		
70	0.0	22.0	33.0#
55	0.0	15.2	22.8#
61	0.0	19.2	28.8#



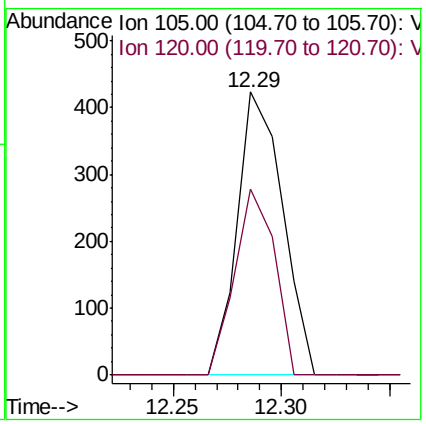


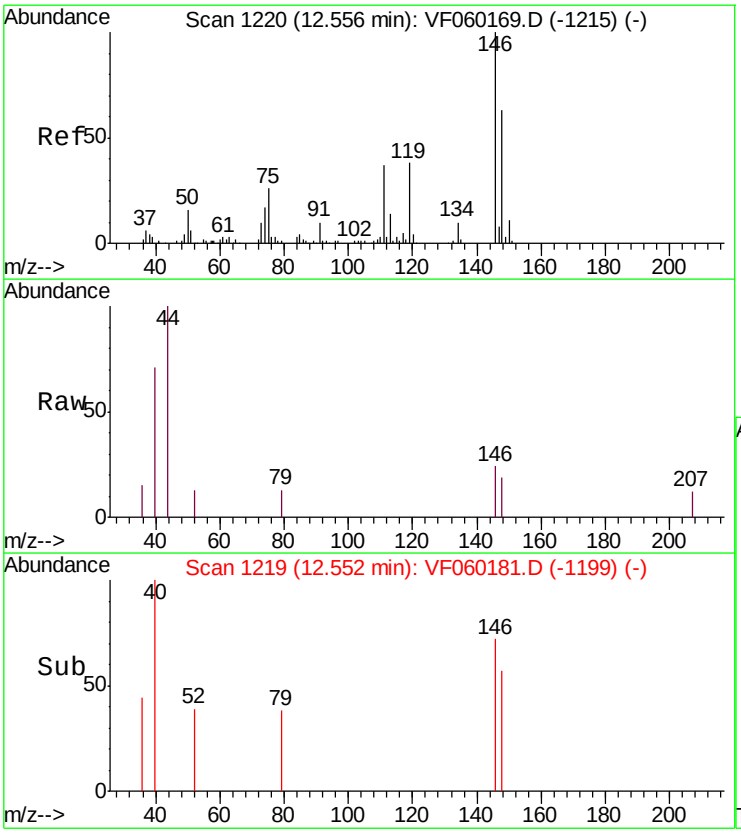
#84
1,2,4-Trimethylbenzene
Concen: 1.088 ug/l
RT: 12.29 min Scan# 1192
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion:105 Resp: 617

Ion	Ratio	Lower	Upper
105	100		
120	66.0	21.9	65.7#

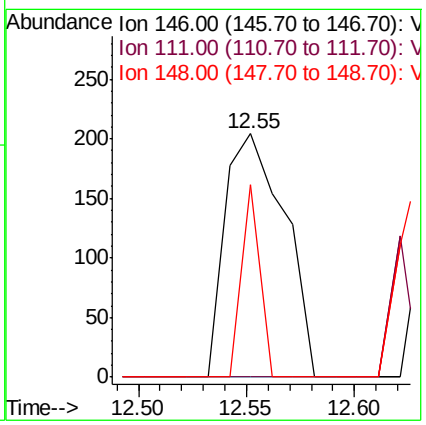


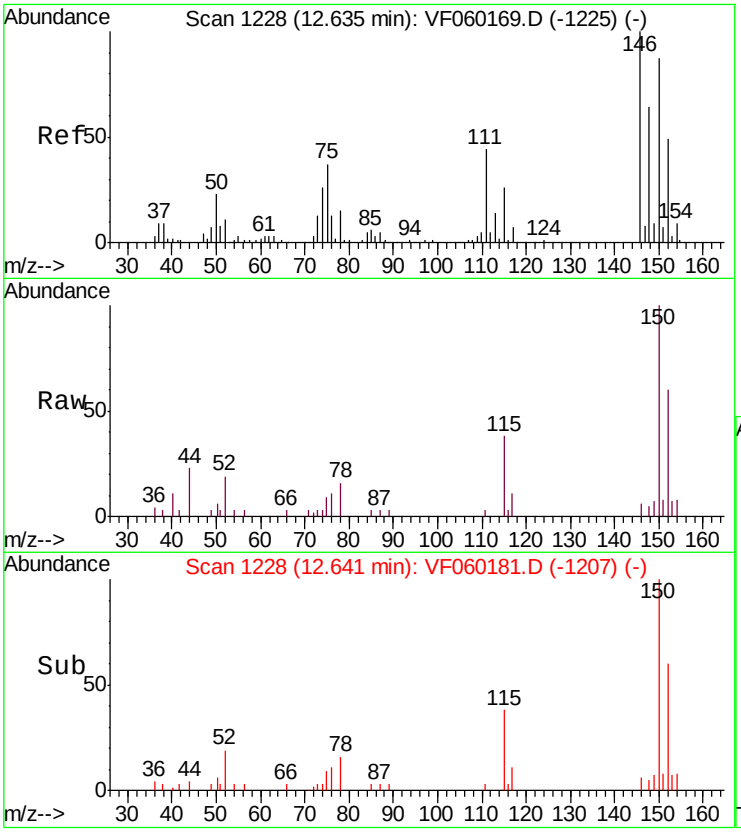


#87
1,3-Dichlorobenzene
Concen: 1.435 ug/l
RT: 12.55 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion:146 Resp: 393

Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.8	56.3#
148	79.4	31.6	94.8



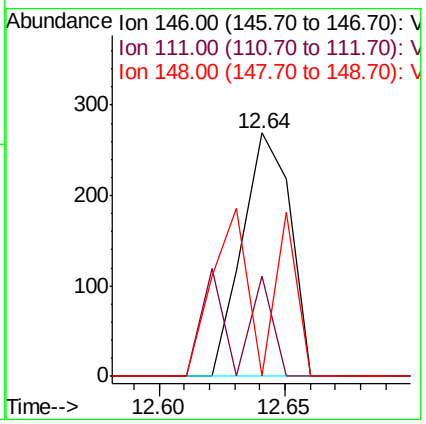


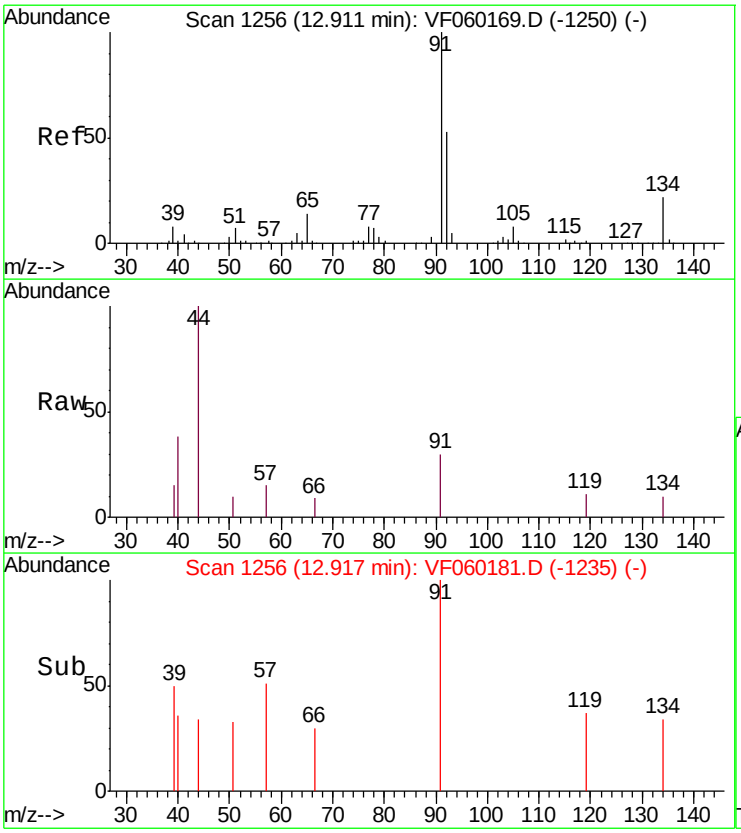
#88
1,4-Dichlorobenzene
Concen: 1.446 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument : MSVOA_F
ClientSampleId : OK-02-082718

Tgt Ion:146 Resp: 357

Ion	Ratio	Lower	Upper
146	100		
111	41.3	22.1	66.3
148	0.0	32.0	96.2#

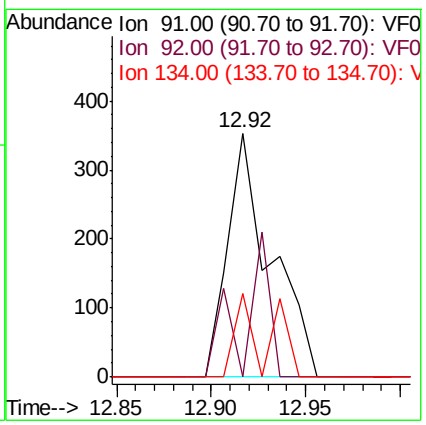


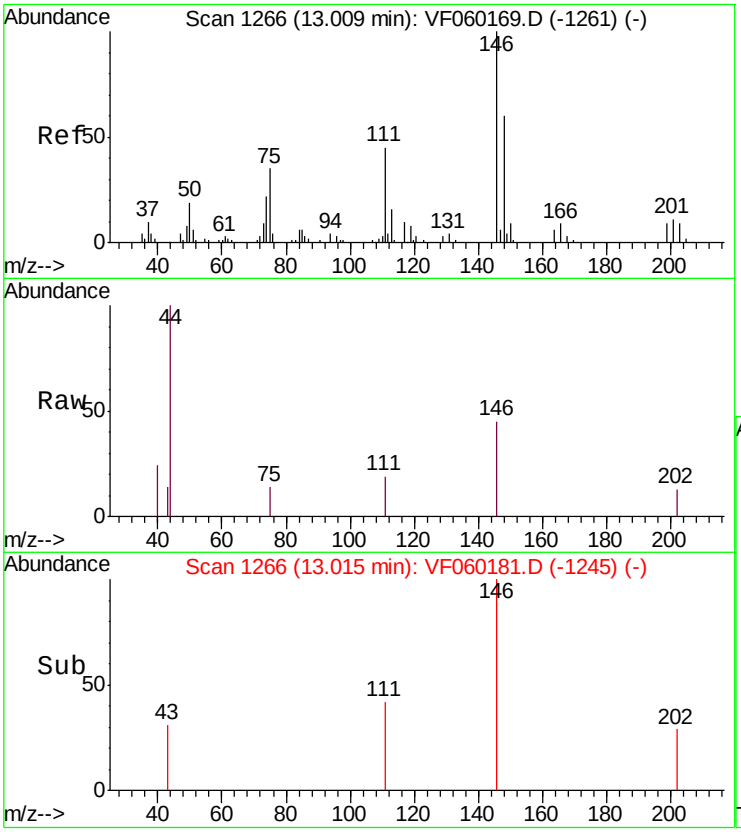


#89
n-Butylbenzene
Concen: 4.317 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 91 Resp: 554

Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.7	80.0#
134	34.0	11.0	33.0#



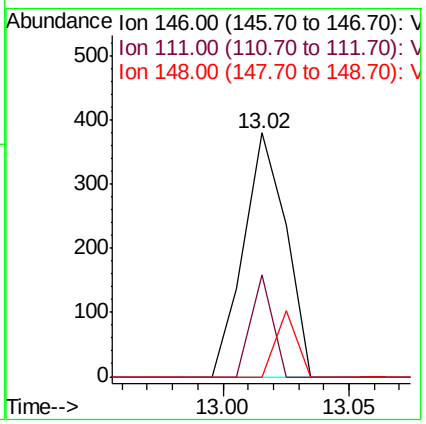


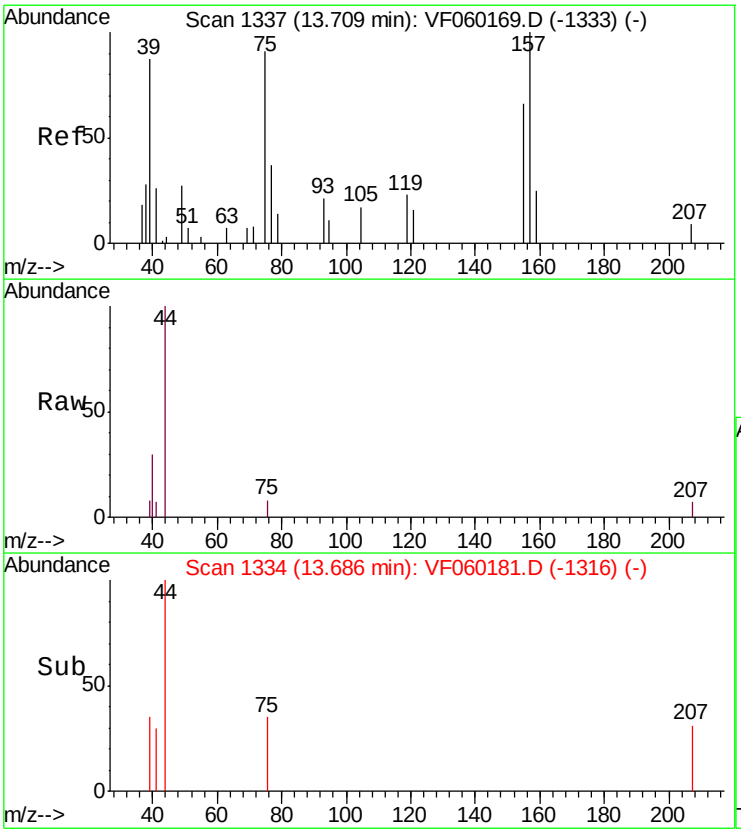
#91
1,2-Dichlorobenzene
Concen: 2.103 ug/l
RT: 13.02 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion:146 Resp: 445

Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.7	68.1
148	0.0	30.0	90.1#

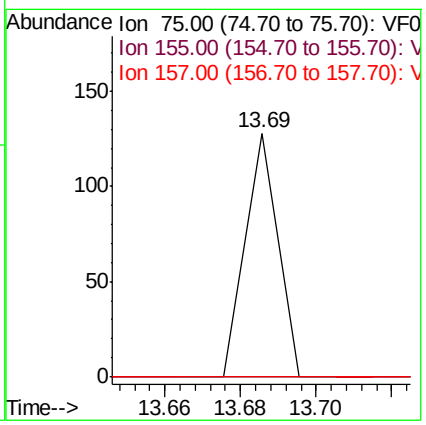


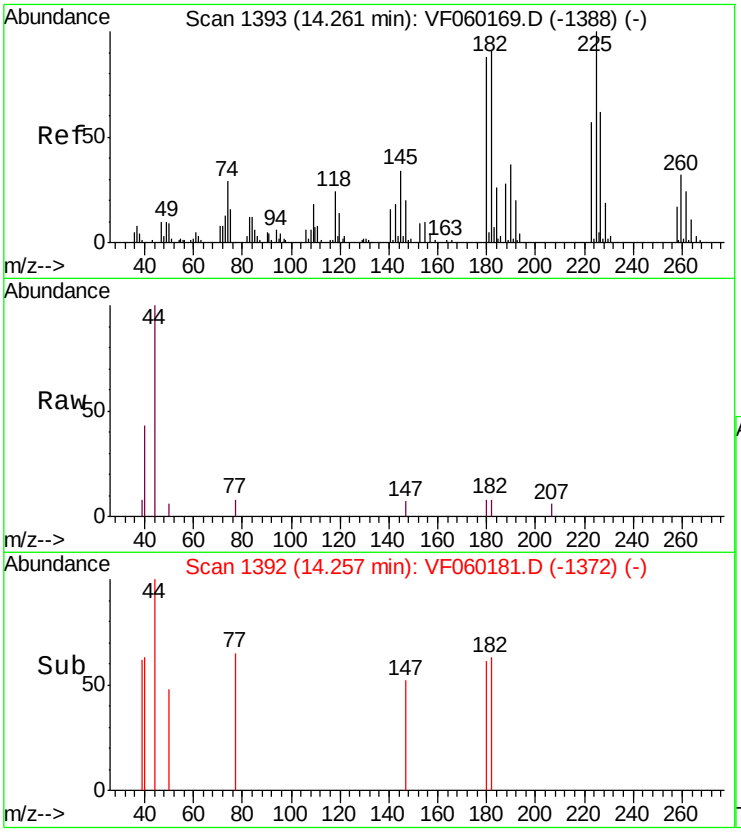


#92
1,2-Dibromo-3-Chloropropane
Concen: 7.521 ug/l
RT: 13.69 min Scan# 1334
Delta R.T. -0.02 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion: 75 Resp: 76

Ion	Ratio	Lower	Upper
75	100		
155	0.0	36.0	108.0#
157	0.0	54.9	164.5#



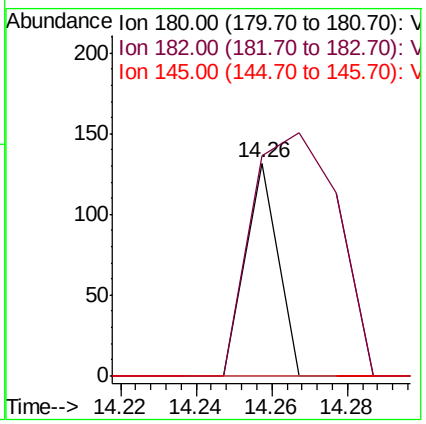


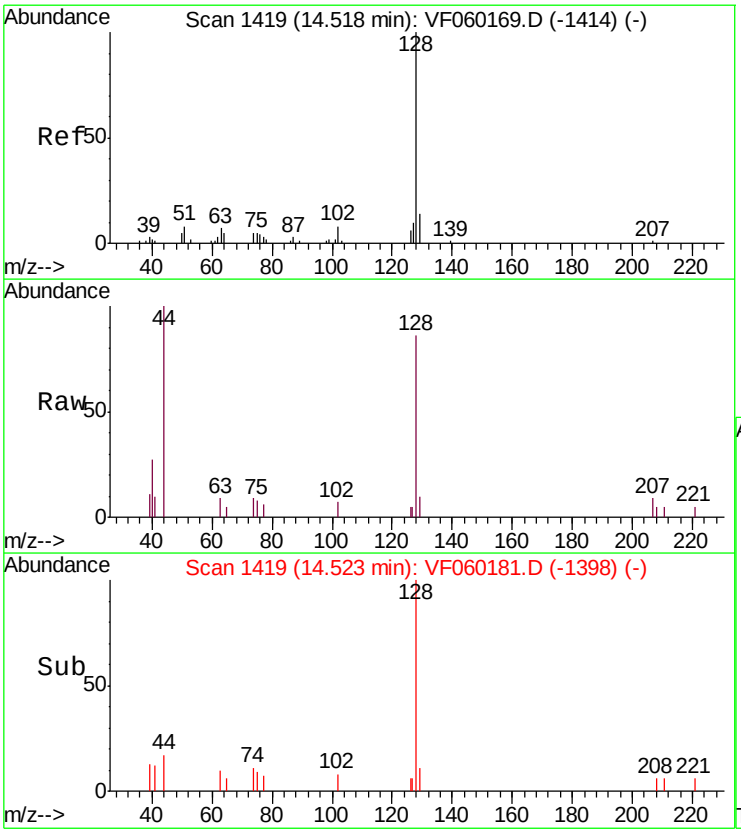
#93
1,2,4-Trichlorobenzene
Concen: 5.187 ug/l
RT: 14.26 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion:180 Resp: 78

Ion	Ratio	Lower	Upper
180	100		
182	103.0	51.8	155.5
145	0.0	19.3	57.9#

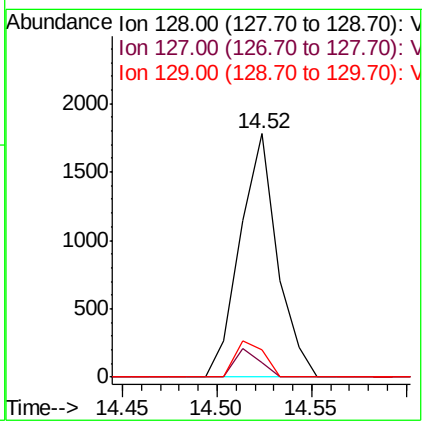


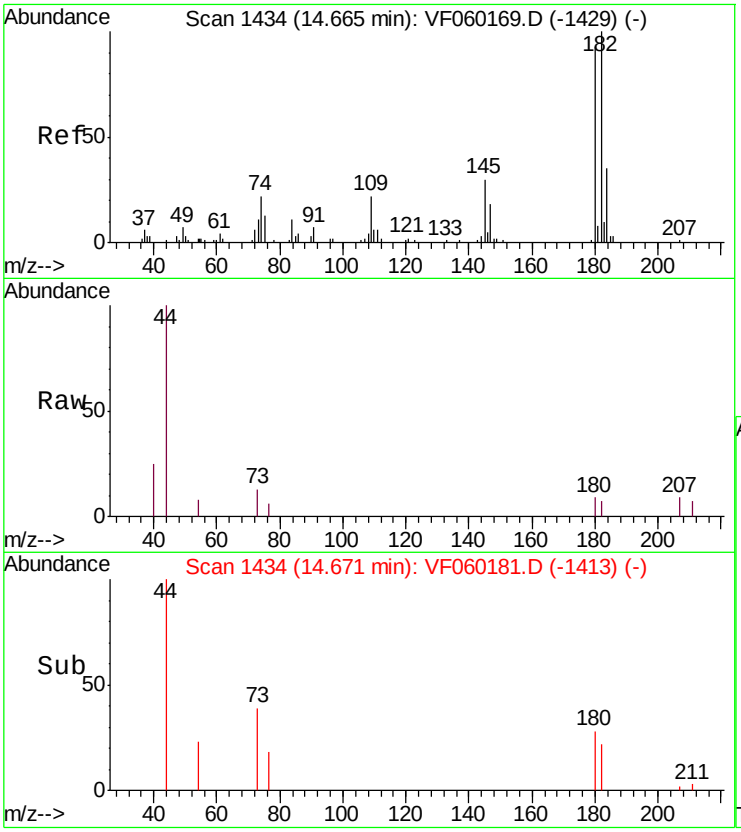


#95
Naphthalene
Concen: 30.946 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Tgt Ion:128 Resp: 2437

Ion	Ratio	Lower	Upper
128	100		
127	6.0	8.3	12.5#
129	11.2	11.5	17.3#





#96
1,2,3-Trichlorobenzene
Concen: 7.352 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF060181.D
Acq: 29 Aug 2018 7:49

Instrument :
MSVOA_F
ClientSampleId :
OK-02-082718

Tgt Ion:180 Resp: 196

Ion	Ratio	Lower	Upper
180	100		
182	79.9	53.6	160.8
145	0.0	16.2	48.6#