Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070518\
Data File : VF059431.D
Acq On : 5 Jul 2018 13:53
Operator : VA/AP
Sample : J3840-03RE
Misc : 7.03g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Jul 06 02:04:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	70200	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.73	114	89519	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	84480	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	46443	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	32432	35.76	ug/l	-0.03
Spiked Amount 50.000			Recovery = 71.52%			
35) Dibromofluoromethane	4.25	113	35979	55.01	ug/l	-0.03
Spiked Amount 50.000			Recovery = 110.02%			
50) Toluene-d8	7.68	98	85437	52.76	ug/l	-0.02
Spiked Amount 50.000			Recovery = 105.52%			
62) 4-Bromofluorobenzene	11.49	95	46026	50.38	ug/l	-0.02
Spiked Amount 50.000			Recovery = 100.76%			
Target Compounds						Qvalue
3) Chloromethane	1.10	50	1429	3.316	ug/l #	78
5) Bromomethane	1.19	94	229	Below Cal		89
11) Tert butyl alcohol	2.65	59	566	9.374	ug/l #	66
13) Acrolein	1.99	56	312	Below Cal		88
15) Acrylonitrile	3.05	53	148	1.392	ug/l #	46
16) Acetone	2.45	43	1551	Below Cal		99
18) Methyl Acetate	2.45	43	3880	8.512	ug/l	93
20) Methylene Chloride	2.26	84	3618	Below Cal #		84
23) Vinyl Acetate	3.31	43	1864	1.701	ug/l #	79
25) 2-Butanone	4.47	43	1240	1.792	ug/l #	59
28) Bromochloromethane	3.87	49	69	Below Cal #		6
29) Tetrahydrofuran	4.22	42	782	Below Cal #		45
39) Methylcyclohexane	5.73	83	1293	1.866	ug/l #	29
41) Methacrylonitrile	4.86	41	463	1.736	ug/l #	26
43) Isopropyl Acetate	7.08	43	1623	2.492	ug/l #	99
48) Methyl methacrylate	6.85	41	1092	2.501	ug/l #	54
49) 1,4-Dioxane	6.85	88	104	2.194	ug/l #	20
51) 4-Methyl-2-Pentanone	8.37	43	4028	8.347	ug/l #	73
56) Ethyl methacrylate	8.74	69	1339	2.146	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.74	63	60	1.282	ug/l	100
59) 2-Hexanone	9.60	43	9492	9.957	ug/l	83
64) Tetrachloroethene	8.27	164	1966	3.588	ug/l #	56
70) Styrene	10.88	104	1761	1.093	ug/l #	76
74) N-amyl acetate	11.44	43	3022	3.078	ug/l #	93
76) 1,2,3-Trichloropropane	11.86	75	794	1.540	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.95	75	457	1.490	ug/l	94
87) 1,3-Dichlorobenzene	12.54	146	1455	Below Cal		92
88) 1,4-Dichlorobenzene	12.63	146	1370	1.022	ug/l	68
91) 1,2-Dichlorobenzene	13.00	146	1418	1.041	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	368	2.429	ug/l	77
93) 1,2,4-Trichlorobenzene	14.26	180	1120	1.111	ug/l #	63
95) Naphthalene	14.50	128	4602	2.183	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.65	180	1346	1.410	ug/l	89

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
Data File : VF059431.D
Acq On : 5 Jul 2018 13:53
Operator : VA/AP
Sample : J3840-03RE
Misc : 7.03g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 06 02:04:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
Data File : VF059431.D
Acq On : 5 Jul 2018 13:53
Operator : VA/AP
Sample : J3840-03RE
Misc : 7.03g/5mL/MSVOA-F/SOIL
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Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 06 02:04:16 2018
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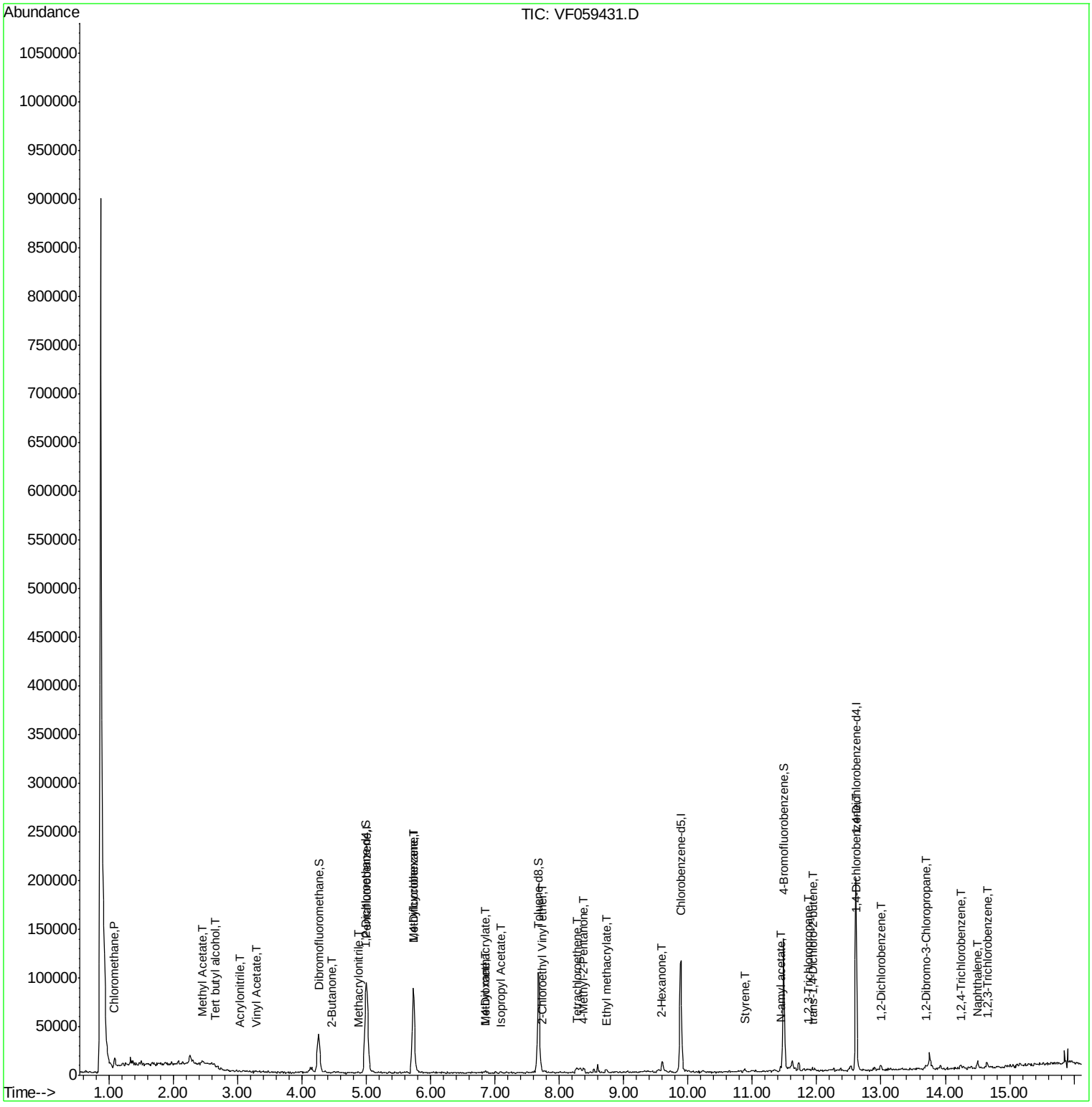
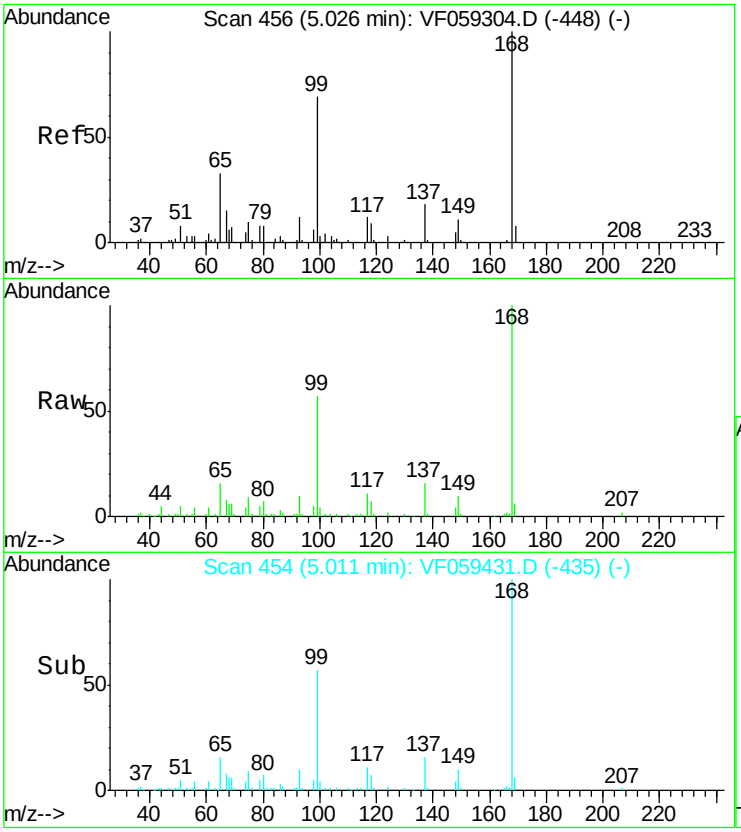
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration



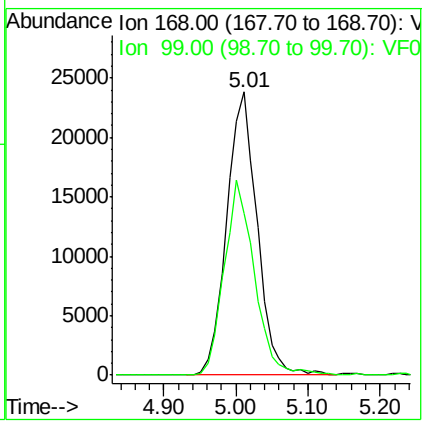


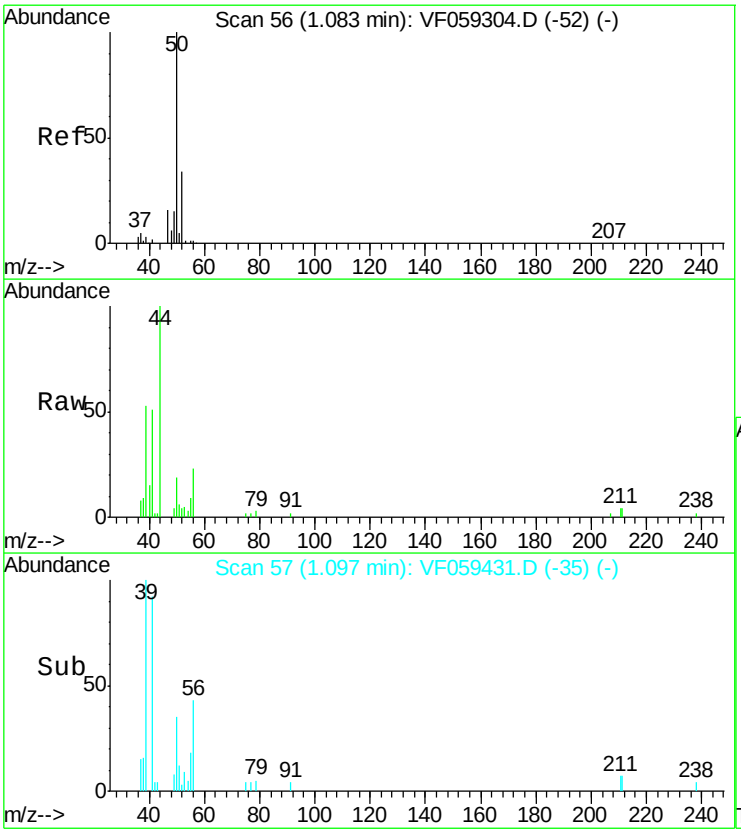
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 70200

Ion	Ratio	Lower	Upper
168	100		
99	57.1	54.9	82.3

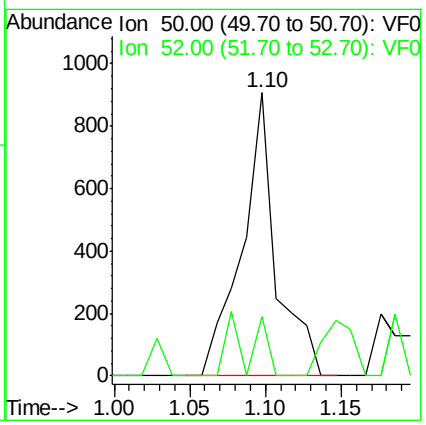


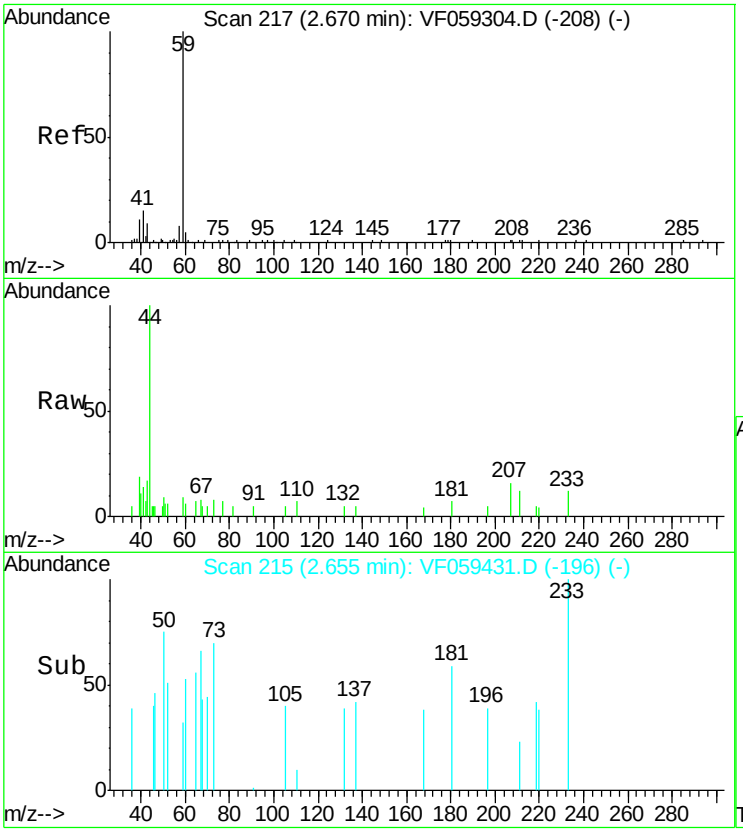


#3
Chloromethane
Concen: 3.316 ug/l
RT: 1.10 min Scan# 57
Delta R.T. 0.01 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 50 Resp: 1429

Ion	Ratio	Lower	Upper
50	100		
52	20.8	26.7	40.1#



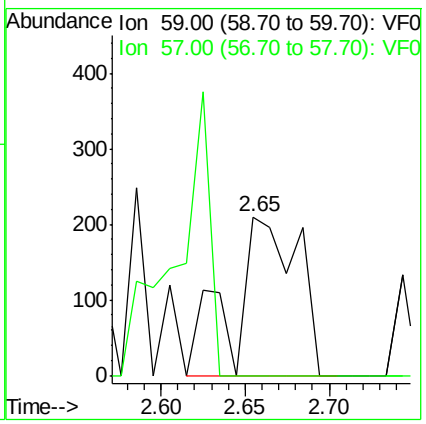


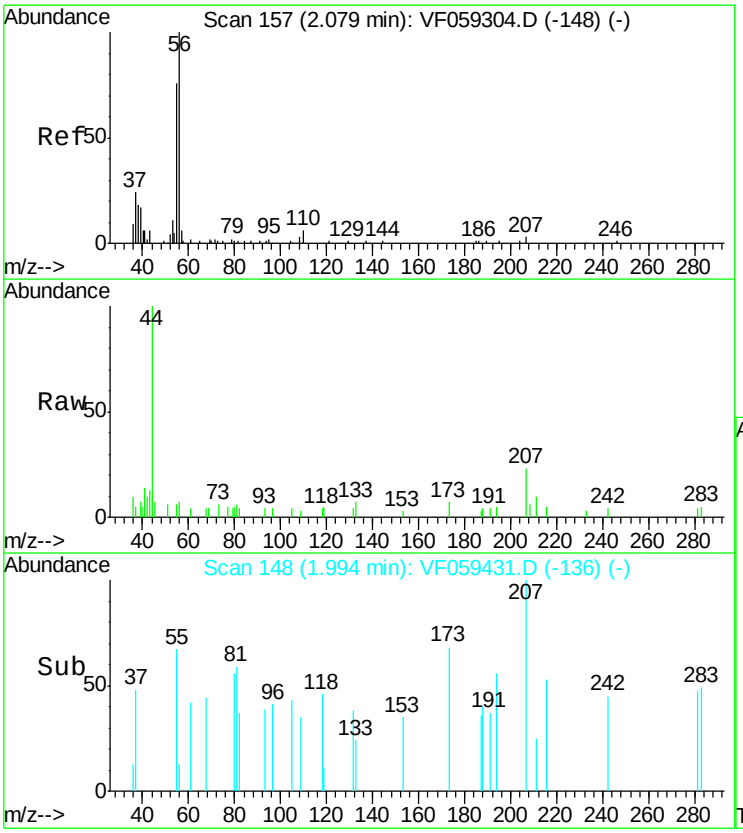
#11
Tert butyl alcohol
Concen: 9.374 ug/l
RT: 2.65 min Scan# 215
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 59 Resp: 566

Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.0	16.4#

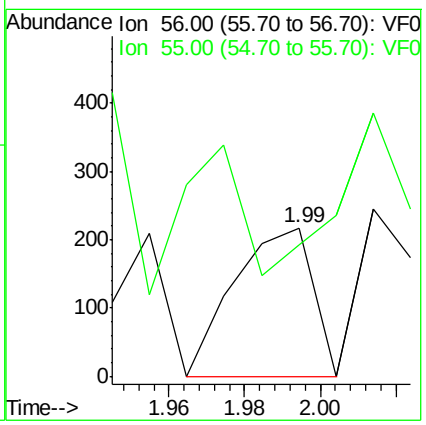


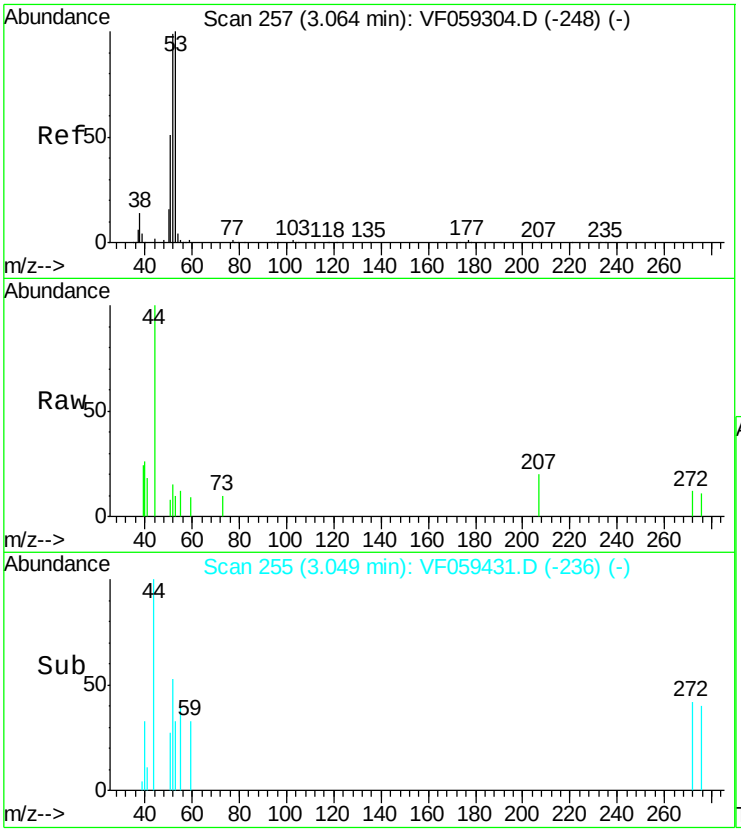


#13
Acrolein
Concen: Below Cal
RT: 1.99 min Scan# 148
Delta R.T. -0.08 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 56 Resp: 312

Ion	Ratio	Lower	Upper
56	100		
55	88.5	62.4	93.6



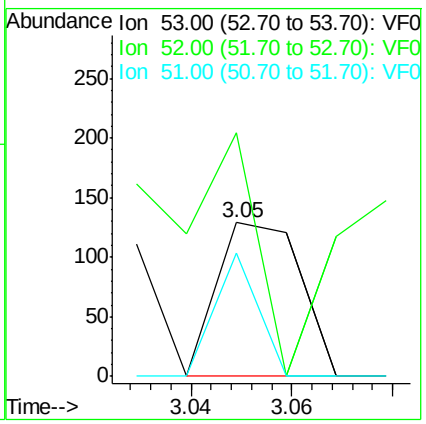


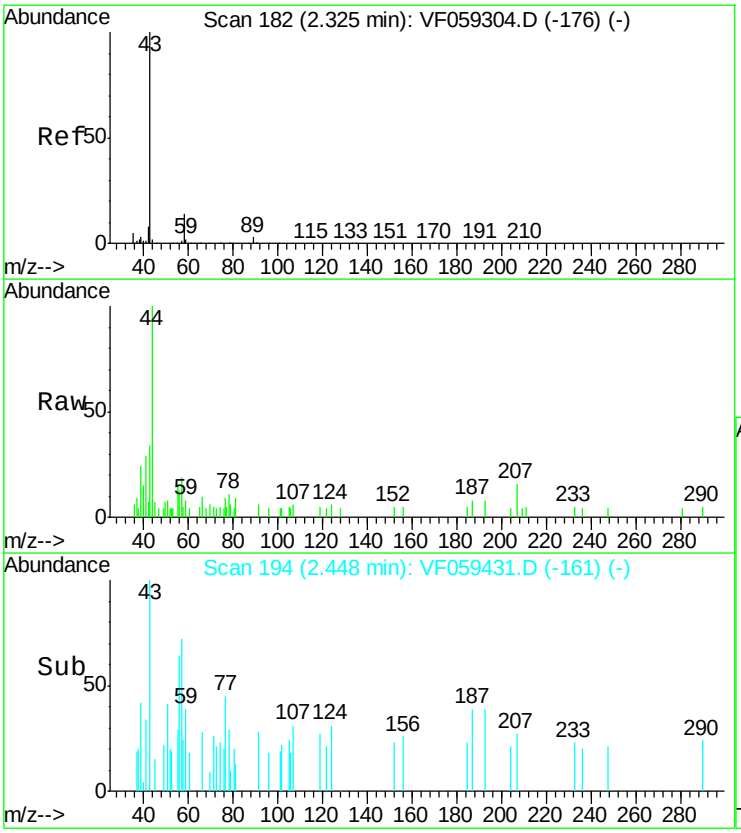
#15
Acrylonitrile
Concen: 1.392 ug/l
RT: 3.05 min Scan# 255
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 53 Resp: 148

Ion	Ratio	Lower	Upper
53	100		
52	158.1	79.2	118.8#
51	80.6	40.9	61.3#

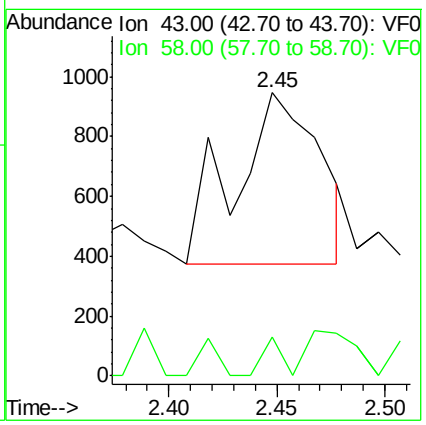


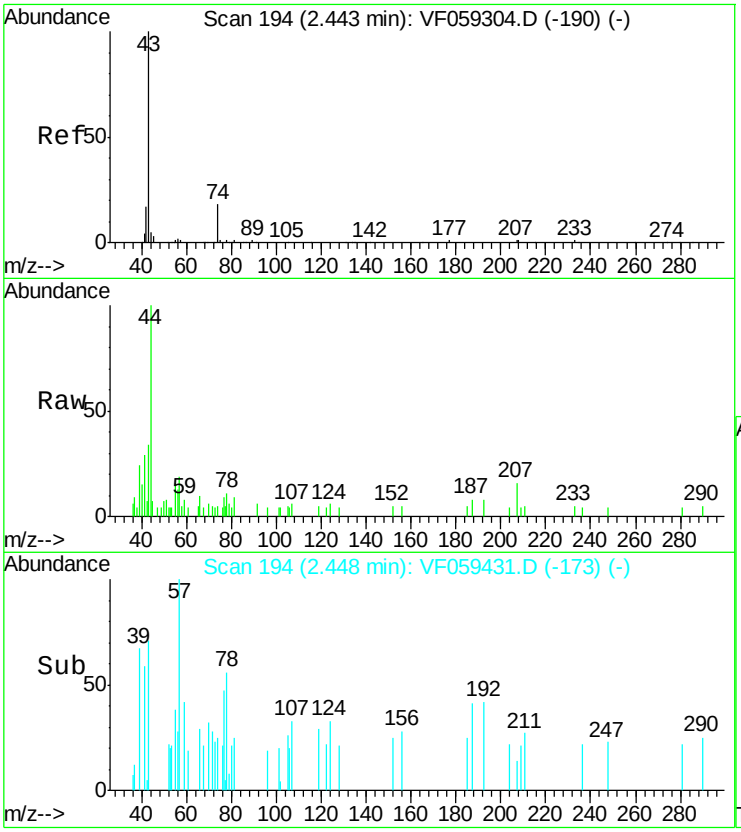


#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 194
Delta R.T. 0.12 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 43 Resp: 1551

Ion	Ratio	Lower	Upper
43	100		
58	13.8	11.4	17.0



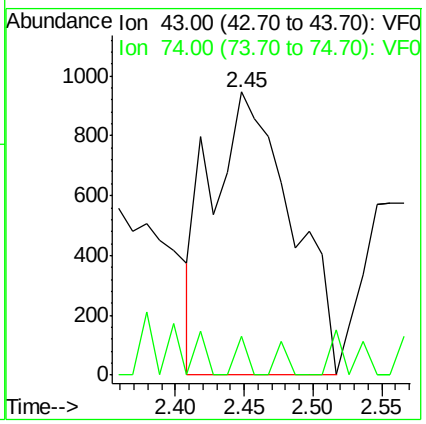


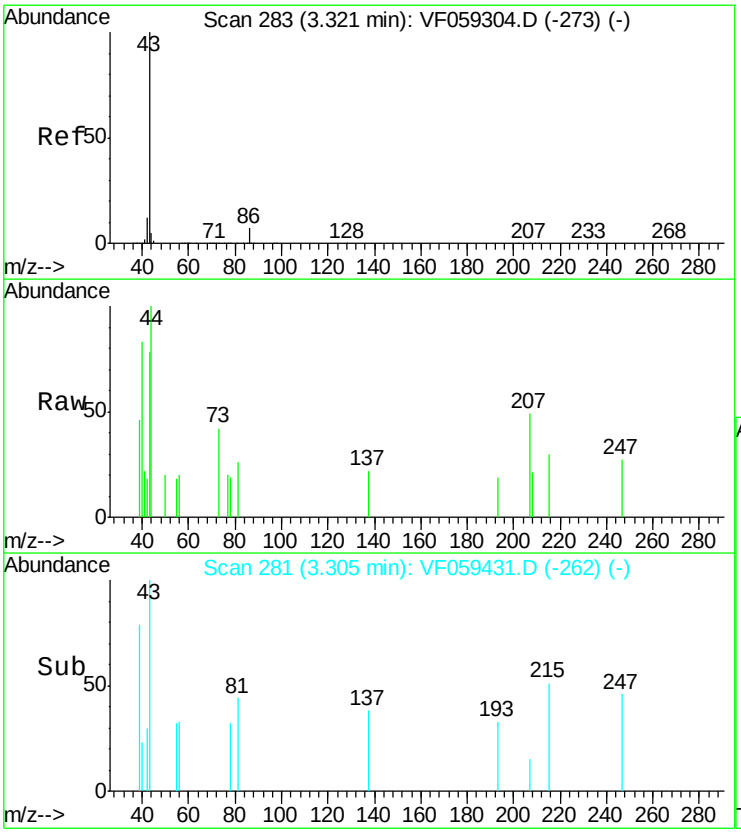
#18
Methyl Acetate
Concen: 8.512 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 3880

Ion	Ratio	Lower	Upper
43	100		
74	13.7	13.3	19.9

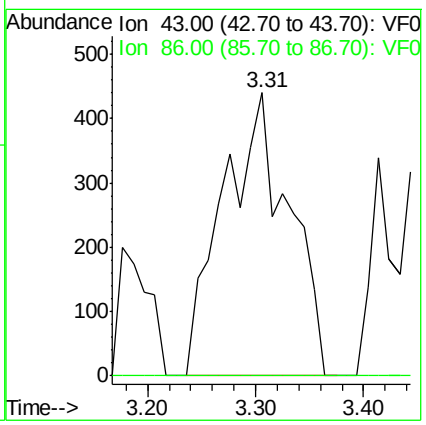


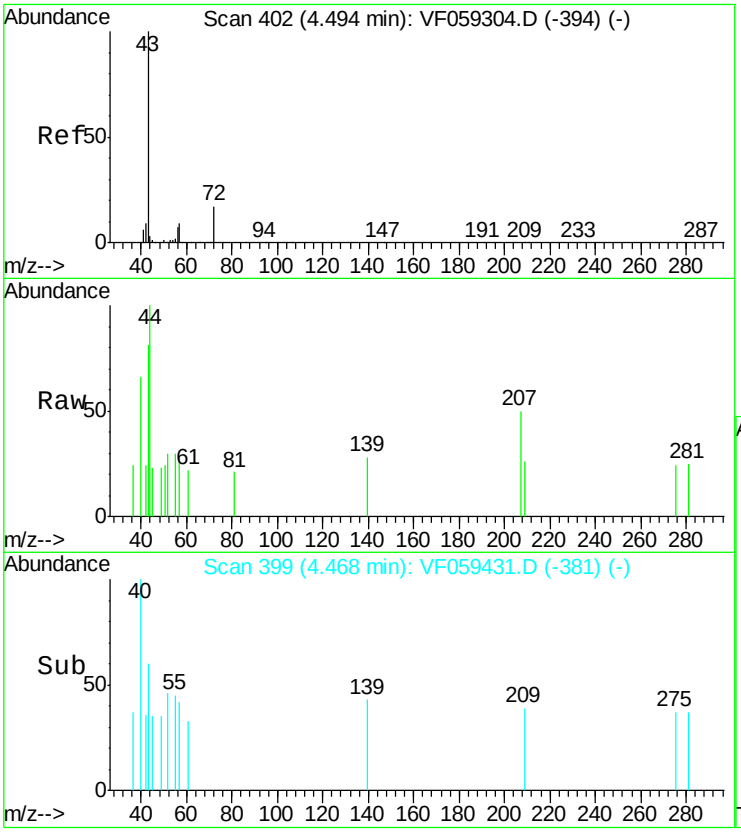


#23
Vinyl Acetate
Concen: 1.701 ug/l
RT: 3.31 min Scan# 281
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 43 Resp: 1864

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#



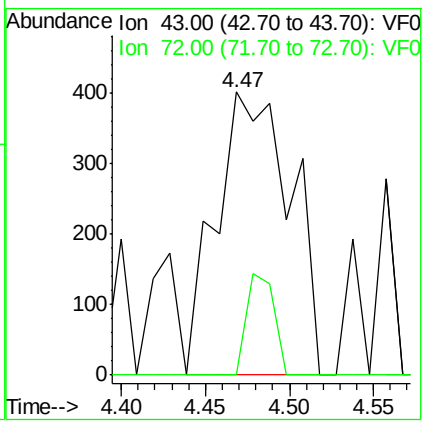


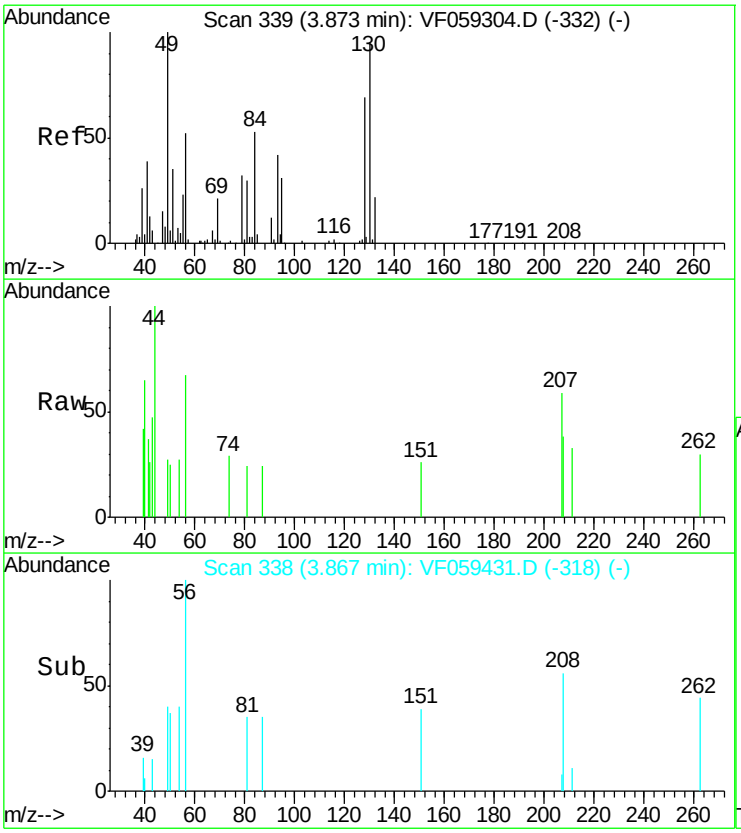
#25
2-Butanone
Concen: 1.792 ug/l
RT: 4.47 min Scan# 399
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 1240

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.4	21.6#

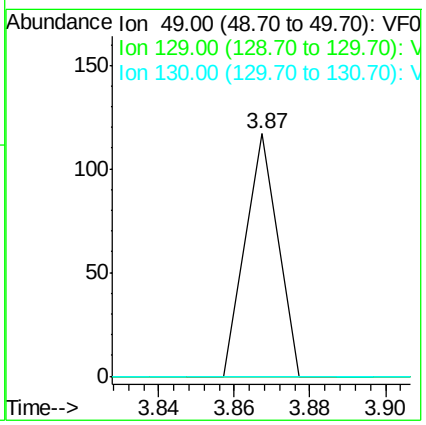


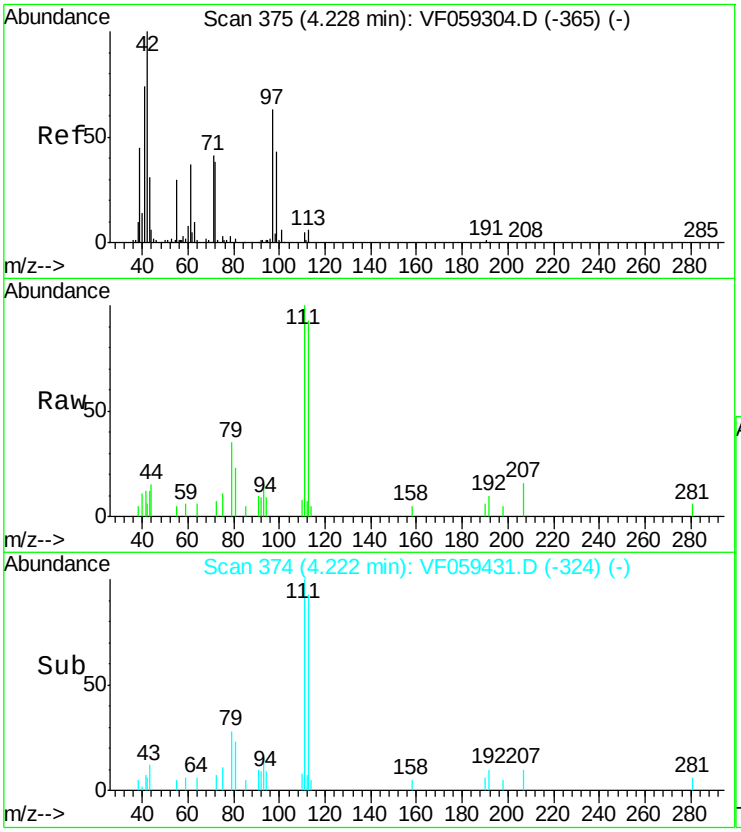


#28
Bromochloromethane
Concen: Below Cal
RT: 3.87 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 49 Resp: 69

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	0.0	75.1	112.7#



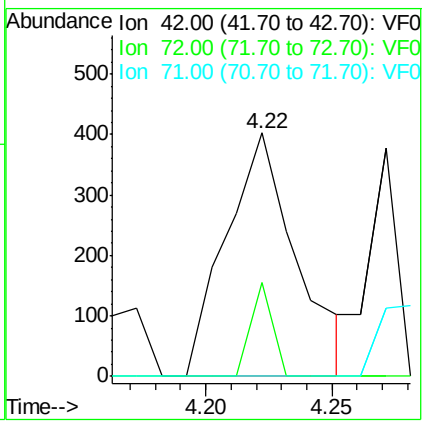


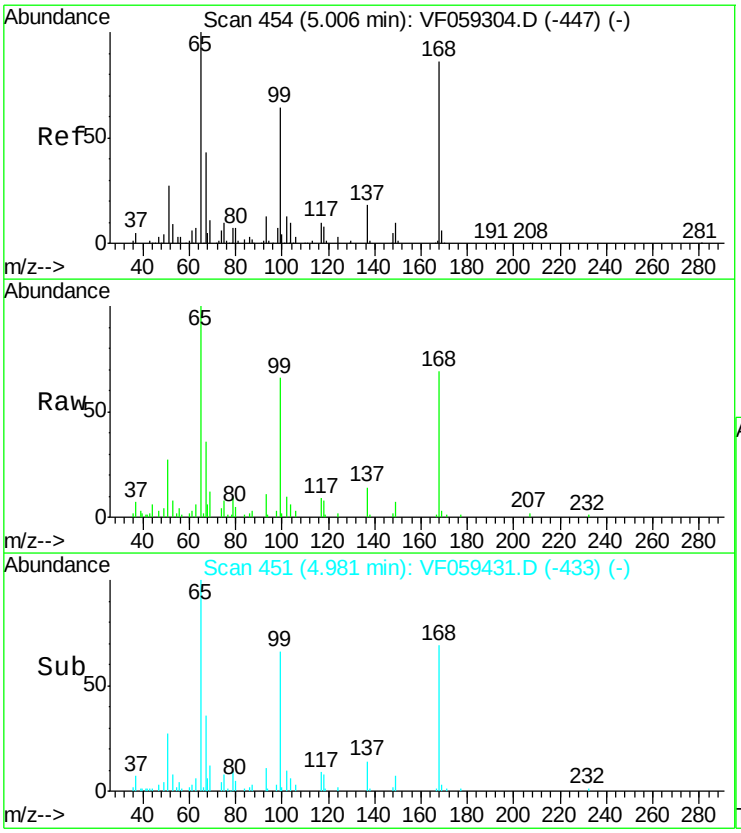
#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.22 min Scan# 374
Delta R.T. -0.00 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 782

Ion	Ratio	Lower	Upper
42	100		
72	11.8	30.5	45.7#
71	0.0	32.5	48.7#

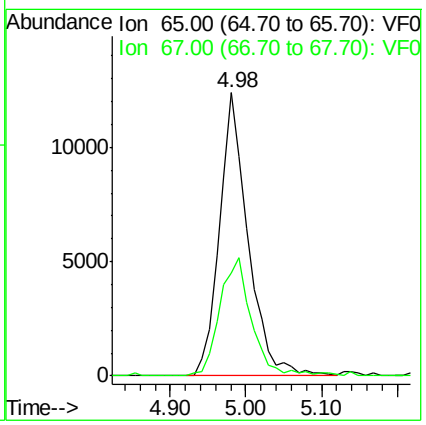


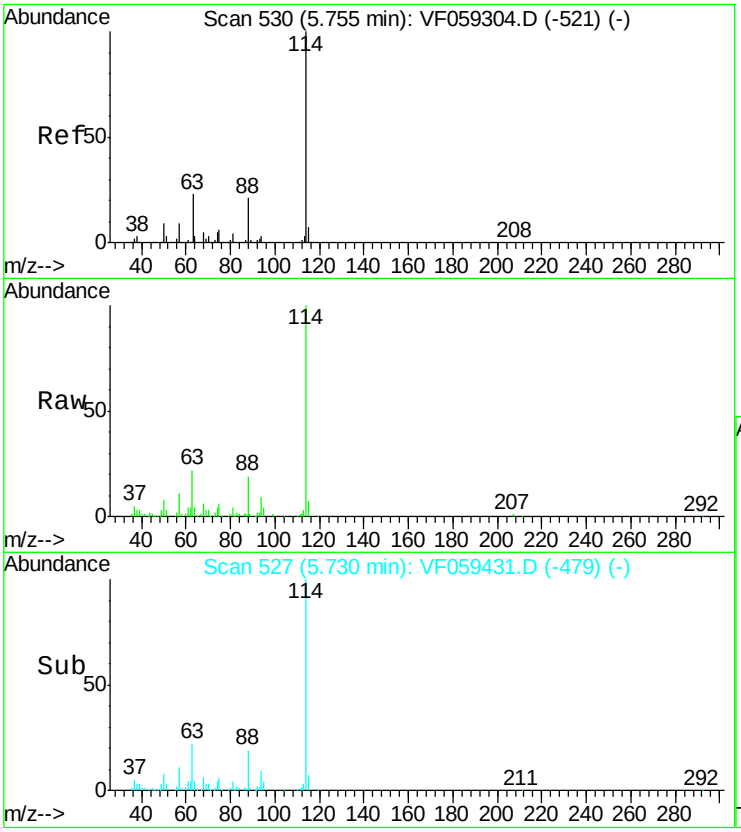


#33
1,2-Dichloroethane-d4
Concen: 35.758 ug/l
RT: 4.98 min Scan# 451
Delta R.T. -0.03 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 65 Resp: 32432

Ion	Ratio	Lower	Upper
65	100		
67	36.3	0.0	96.8



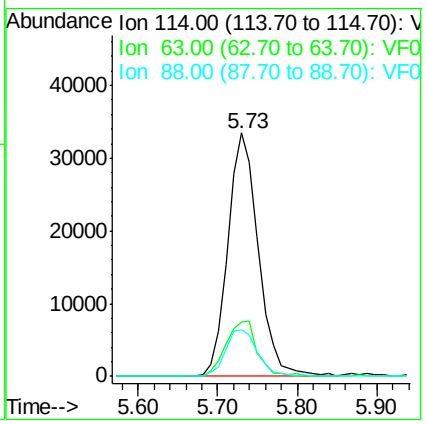


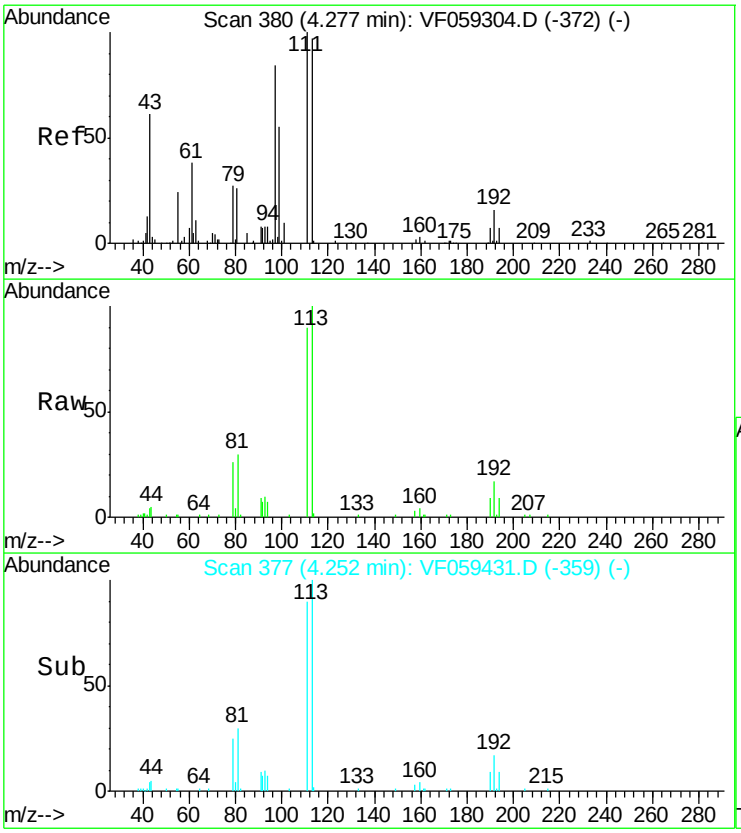
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.73 min Scan# 527
Delta R.T. -0.03 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:114 Resp: 89519

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.8
88	19.2	0.0	41.2

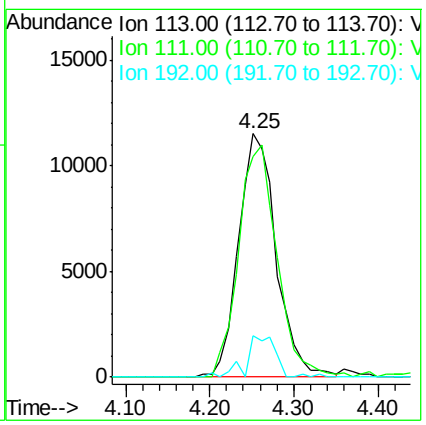


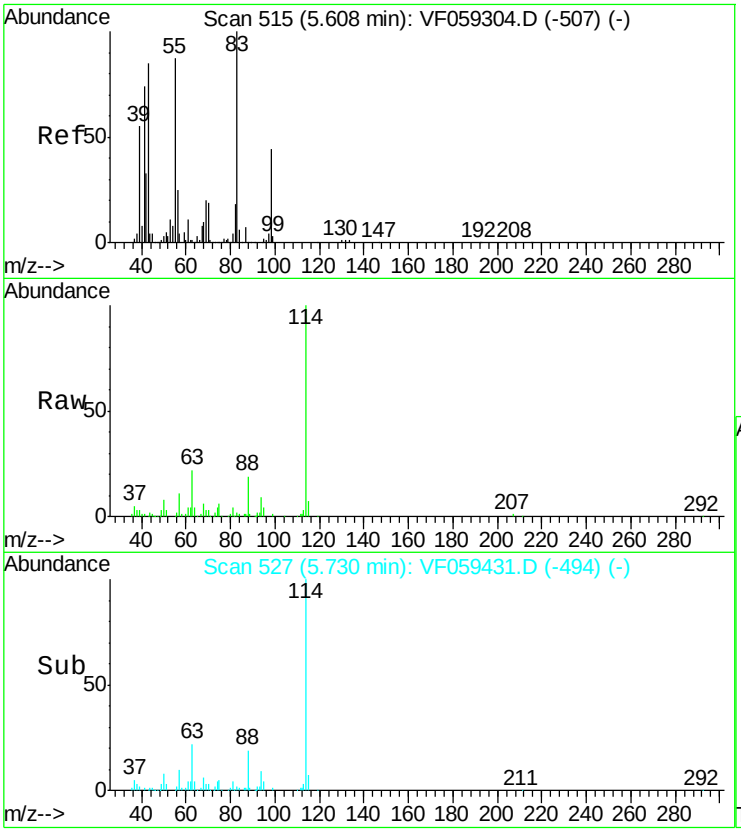


#35
Dibromofluoromethane
Concen: 55.006 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion:113 Resp: 35979

Ion	Ratio	Lower	Upper
113	100		
111	90.4	82.1	123.1
192	16.9	13.0	19.6



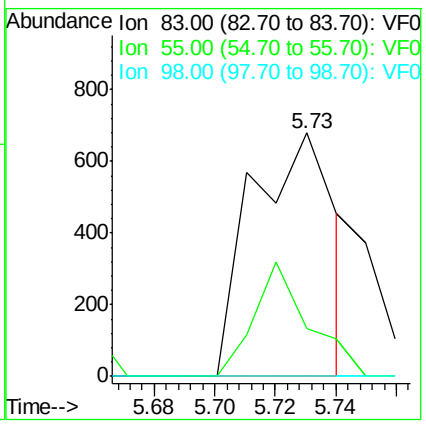


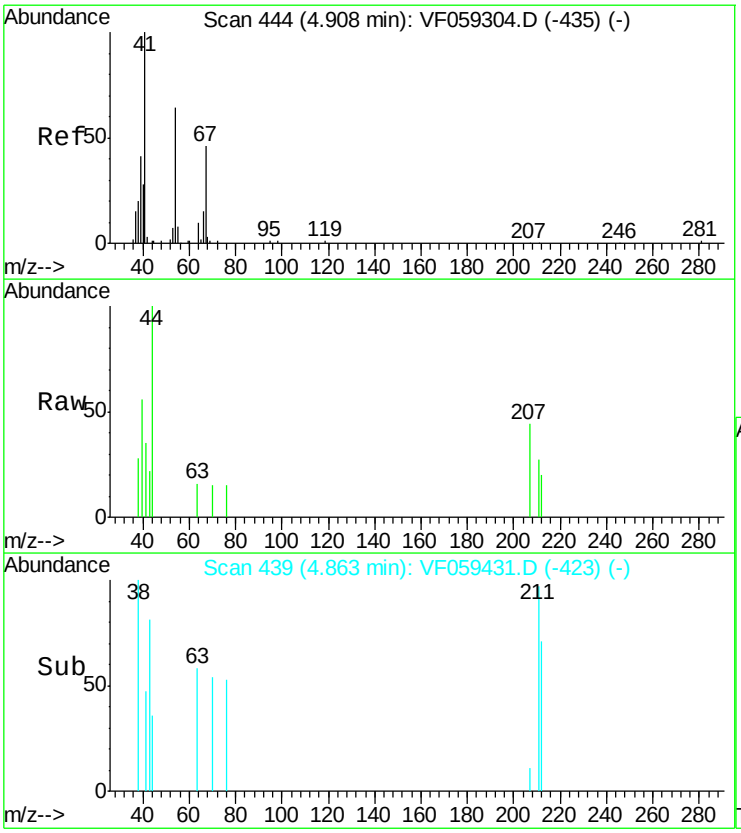
#39
Methylcyclohexane
Concen: 1.866 ug/l
RT: 5.73 min Scan# 527
Delta R.T. 0.12 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 83 Resp: 1293

Ion	Ratio	Lower	Upper
83	100		
55	19.7	69.2	103.8#
98	0.0	35.0	52.6#

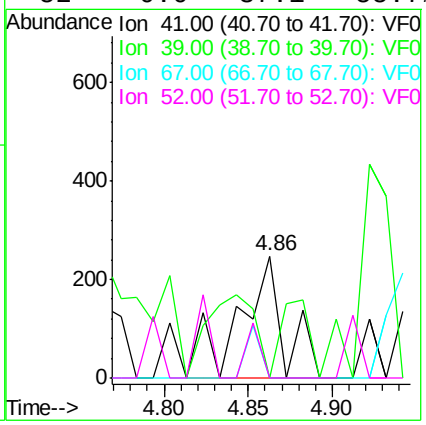


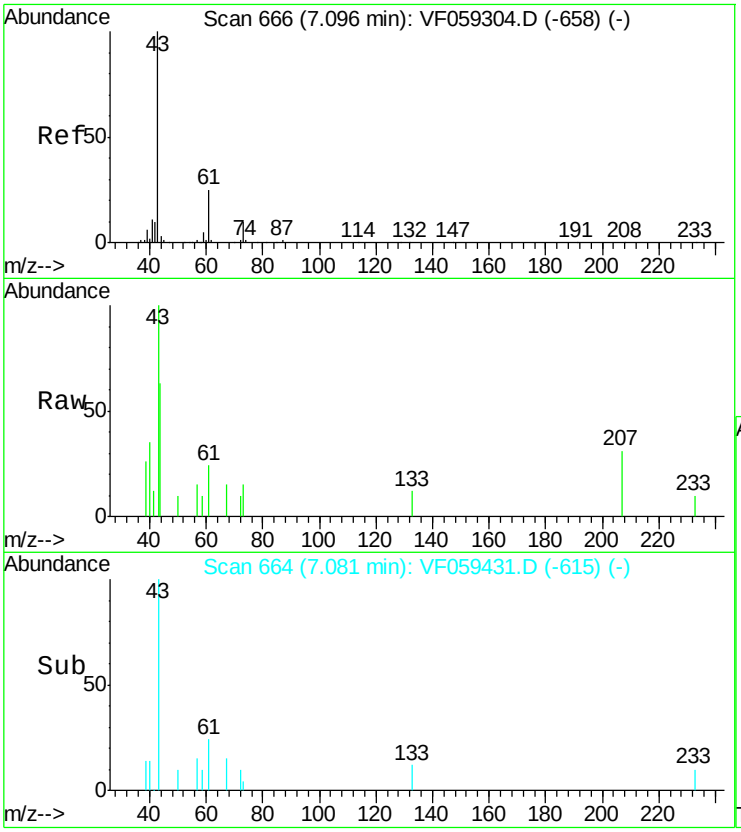


#41
Methacrylonitrile
Concen: 1.736 ug/l
RT: 4.86 min Scan# 439
Delta R.T. -0.04 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 41 Resp: 463

Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.0	75.0#
67	0.0	37.0	55.6#
52	0.0	37.1	55.7#



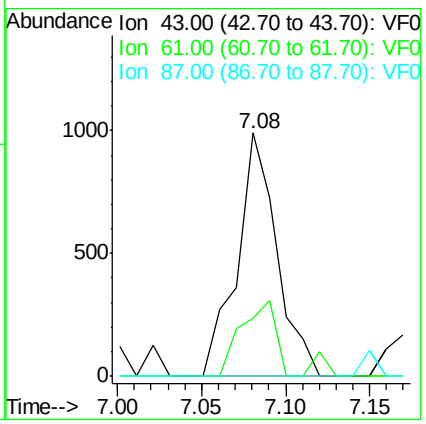


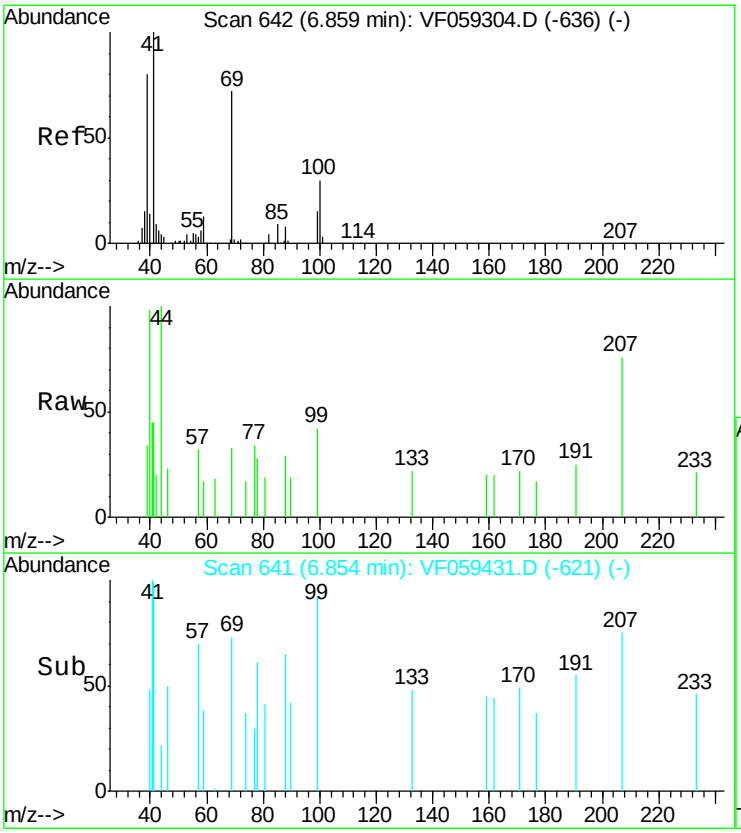
#43
Isopropyl Acetate
Concen: 2.492 ug/l
RT: 7.08 min Scan# 664
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 1623

Ion	Ratio	Lower	Upper
43	100		
61	24.0	19.7	29.5
87	0.0	0.5	0.7#

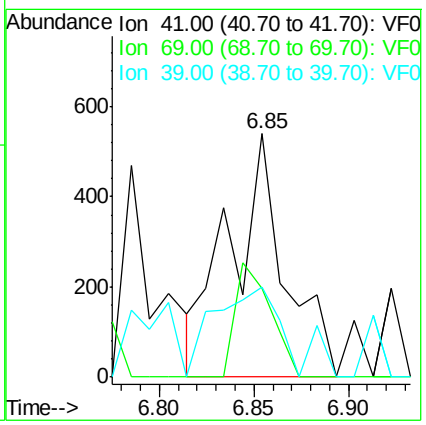


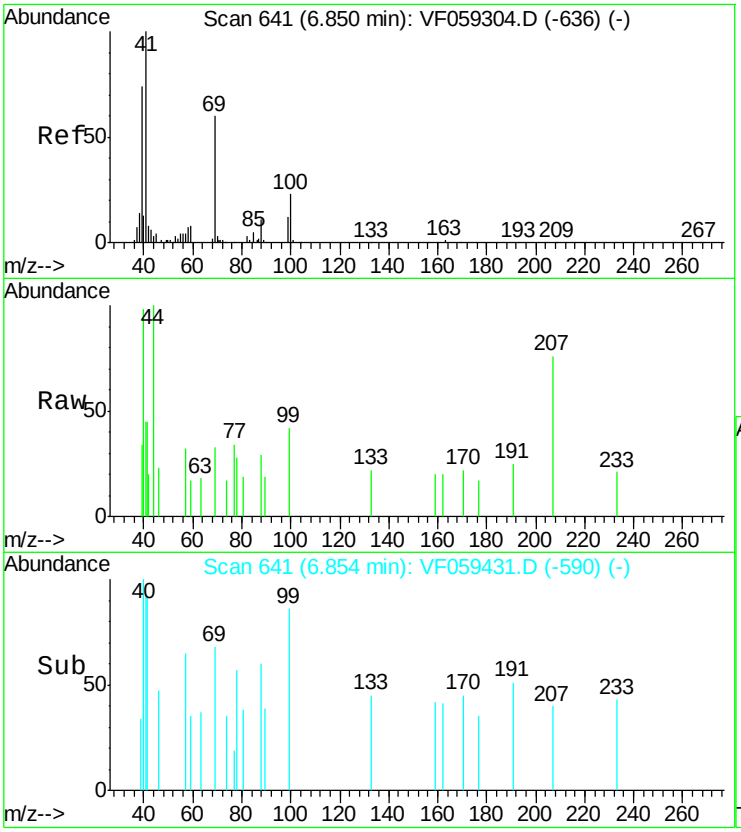


#48
Methyl methacrylate
Concen: 2.501 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 41 Resp: 1092

Ion	Ratio	Lower	Upper
41	100		
69	36.7	57.3	85.9#
39	37.2	64.4	96.6#



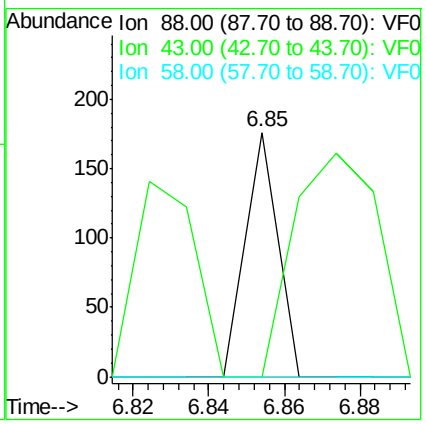


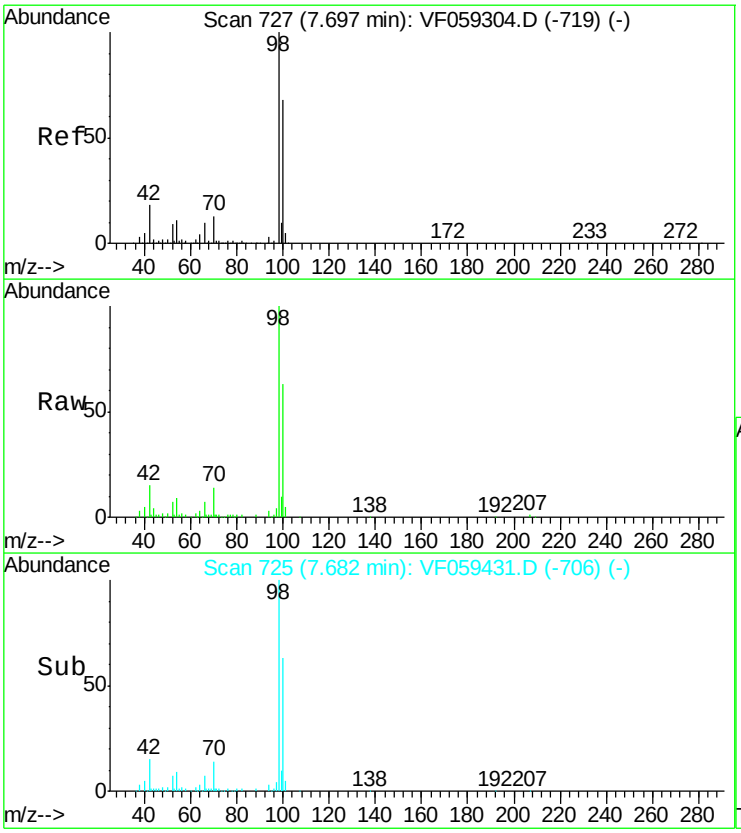
#49
1,4-Dioxane
Concen: 2.194 ug/l
RT: 6.85 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 88 Resp: 104

Ion	Ratio	Lower	Upper
88	100		
43	0.0	50.6	75.8#
58	0.0	46.6	69.8#

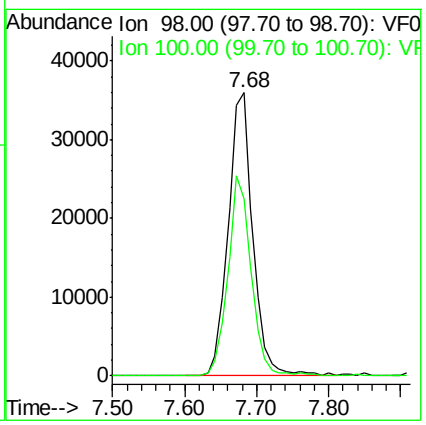


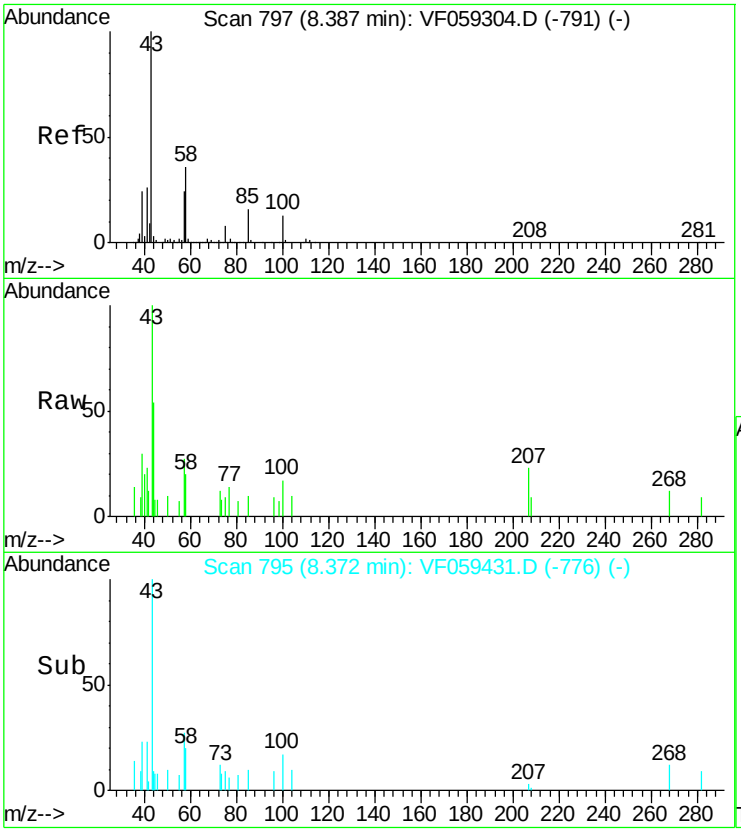


#50
Toluene-d8
Concen: 52.757 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 98 Resp: 85437

Ion	Ratio	Lower	Upper
98	100		
100	62.8	54.6	82.0



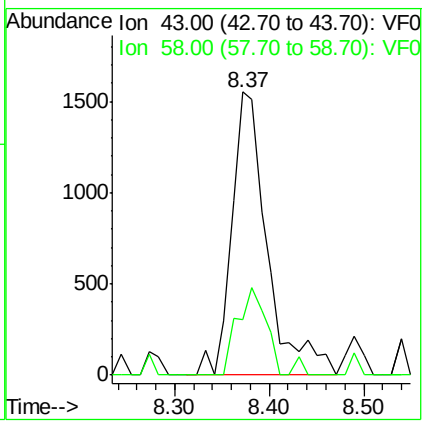


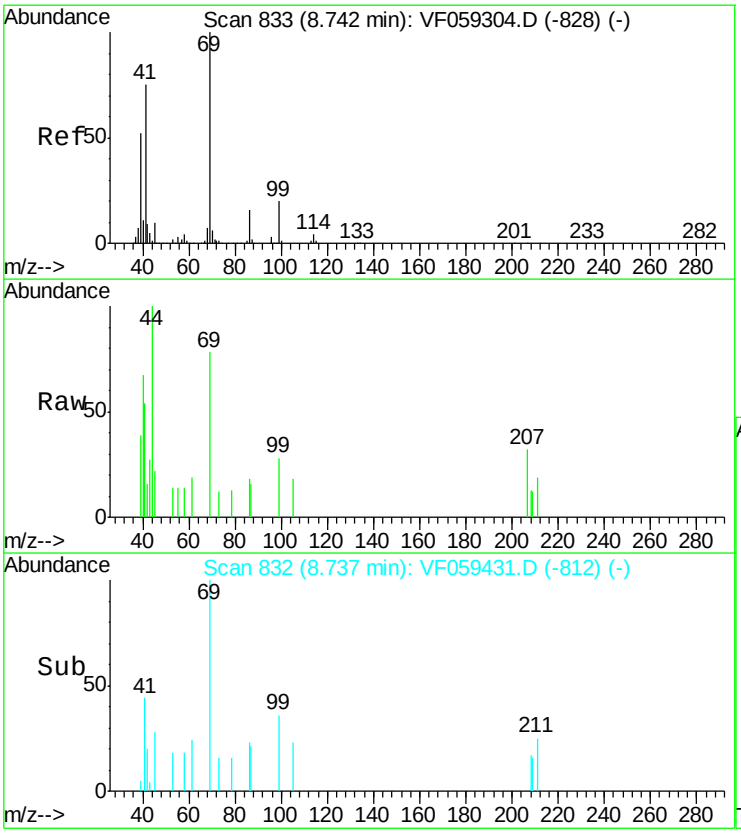
#51
4-Methyl-2-Pentanone
Concen: 8.347 ug/l
RT: 8.37 min Scan# 795
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 4028

Ion	Ratio	Lower	Upper
43	100		
58	19.7	28.4	42.6#

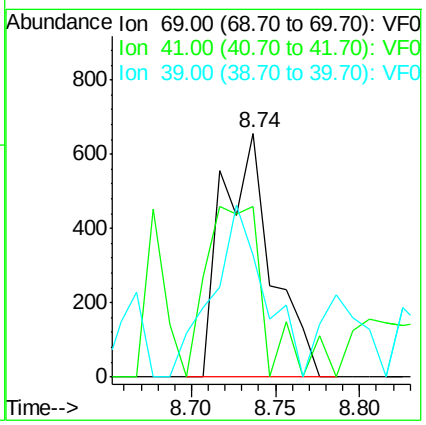


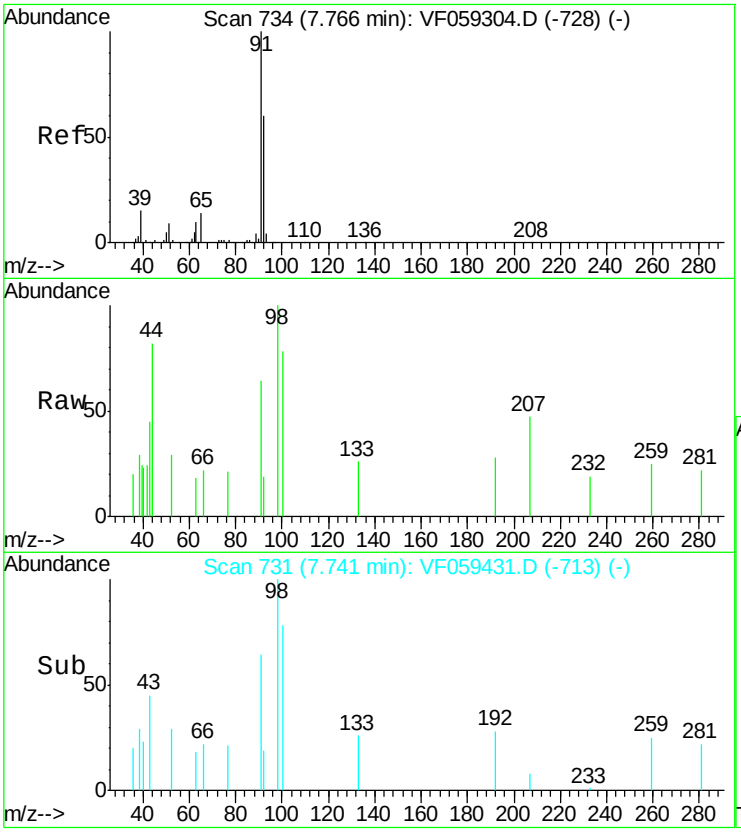


#56
Ethyl methacrylate
Concen: 2.146 ug/l
RT: 8.74 min Scan# 832
Delta R.T. -0.01 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 69 Resp: 1339

Ion	Ratio	Lower	Upper
69	100		
41	70.0	60.3	90.5
39	50.0	42.2	63.4



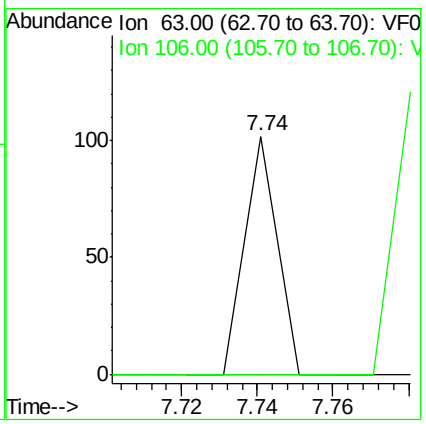


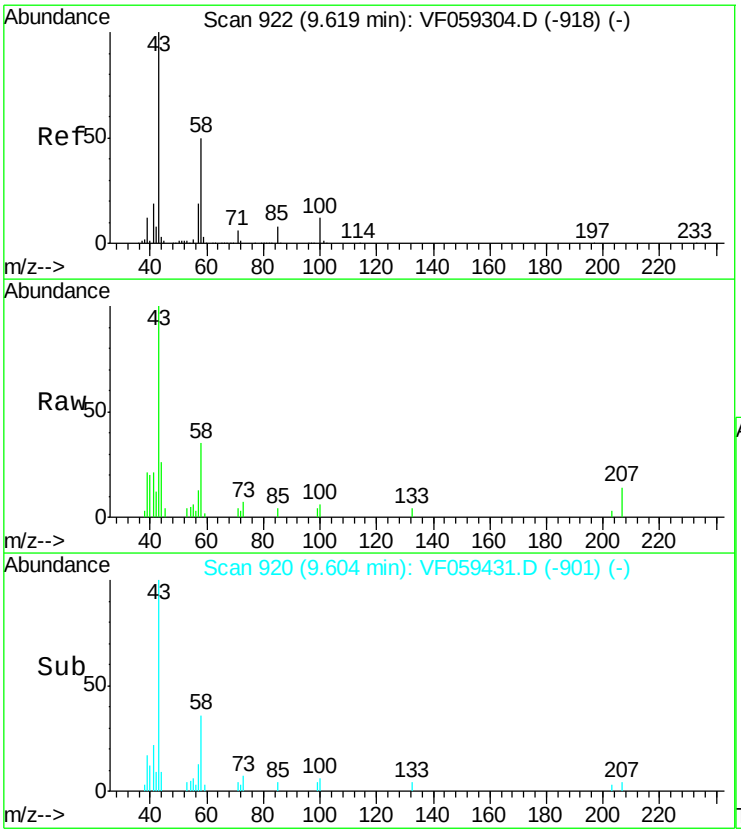
#58
2-Chloroethyl Vinyl ether
Concen: 1.282 ug/l
RT: 7.74 min Scan# 731
Delta R.T. -0.03 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 63 Resp: 60

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

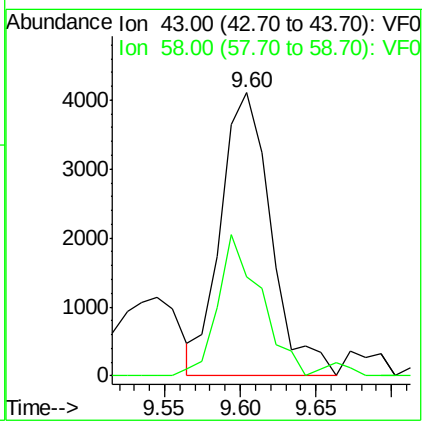


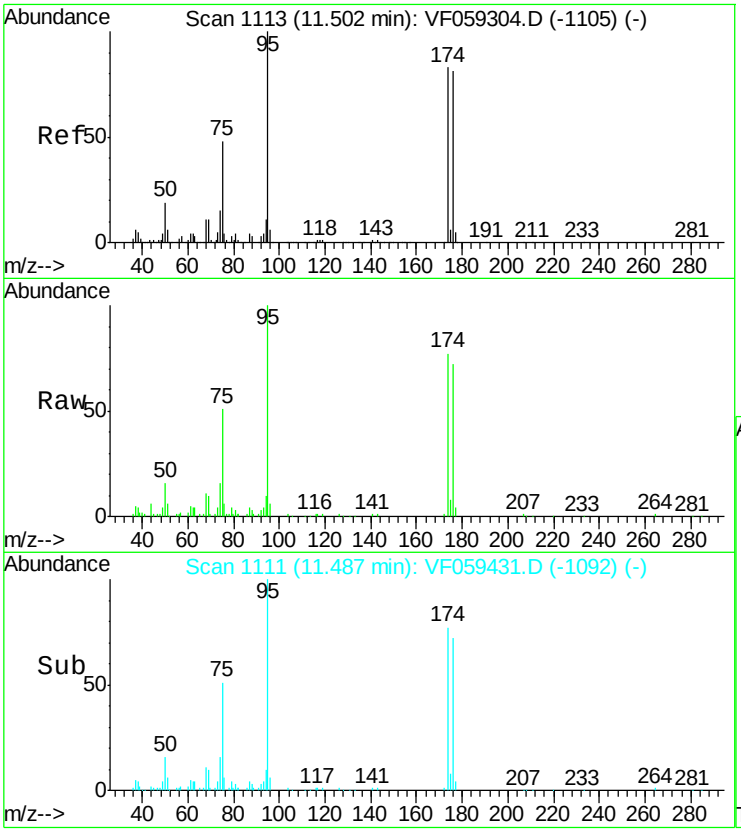


#59
2-Hexanone
Concen: 9.957 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.01 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 43 Resp: 9492

Ion	Ratio	Lower	Upper
43	100		
58	35.1	23.3	69.9



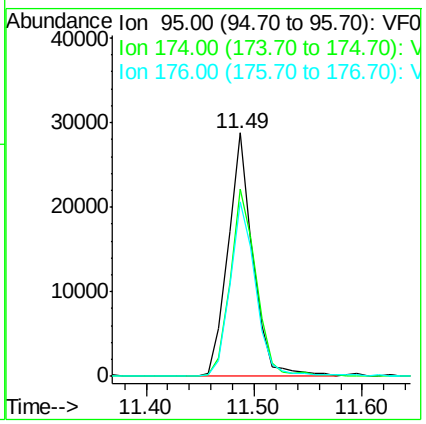


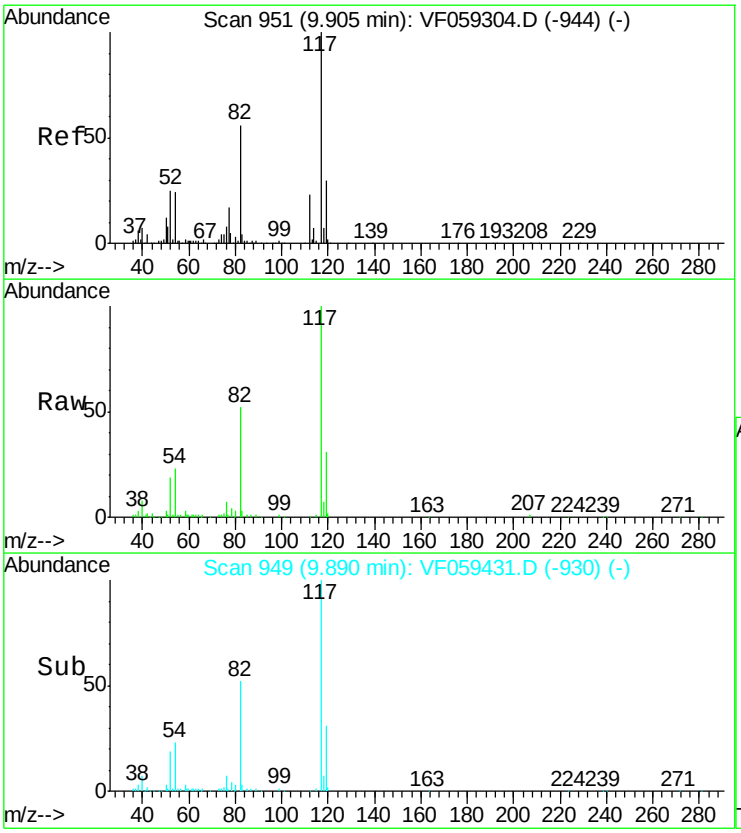
#62
4-Bromofluorobenzene
Concen: 50.383 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 95 Resp: 46026

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	165.2
176	71.6	0.0	161.0

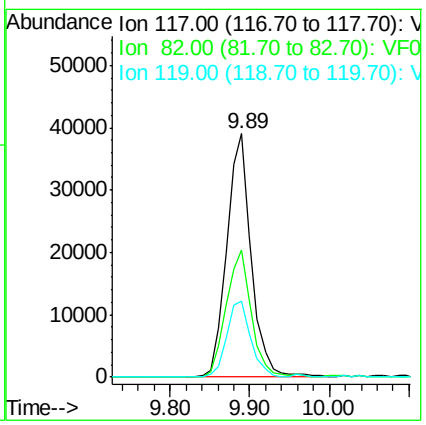


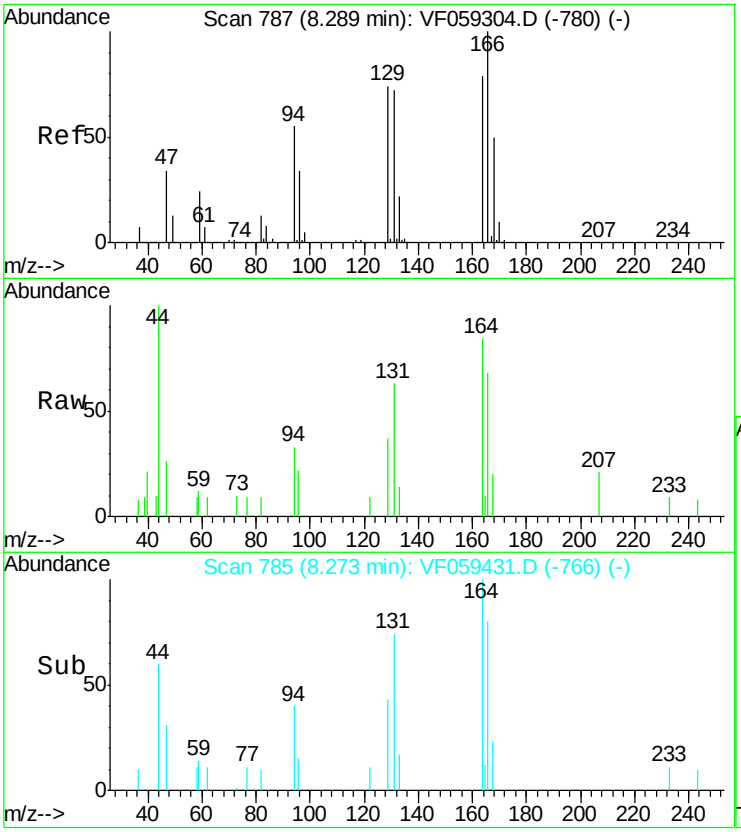


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion:117 Resp: 84480

Ion	Ratio	Lower	Upper
117	100		
82	52.3	44.6	66.8
119	31.0	24.1	36.1



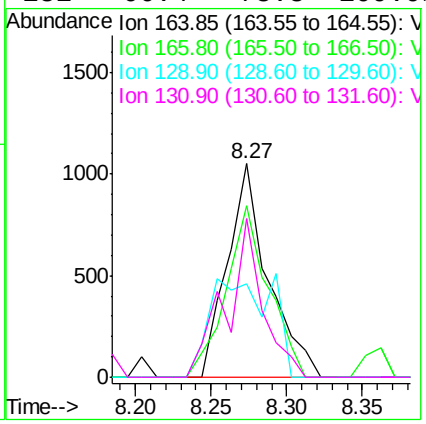


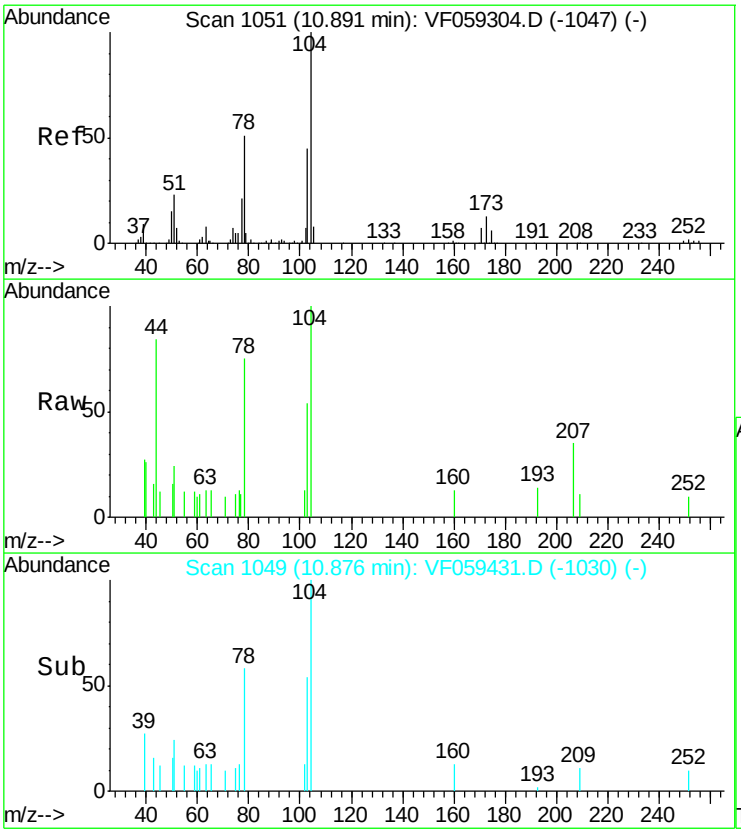
#64
Tetrachloroethene
Concen: 3.588 ug/l
RT: 8.27 min Scan# 785
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:164 Resp: 1966

Ion	Ratio	Lower	Upper
164	100		
166	71.9	101.1	151.7#
129	38.9	75.0	112.4#
131	66.4	73.3	109.9#

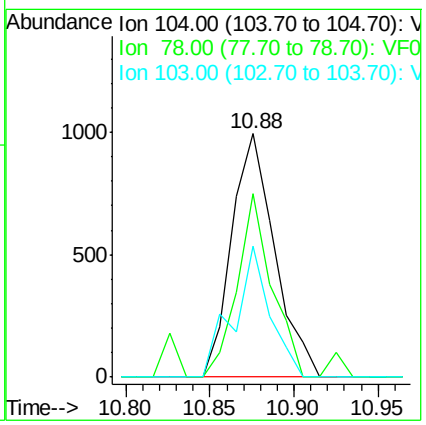


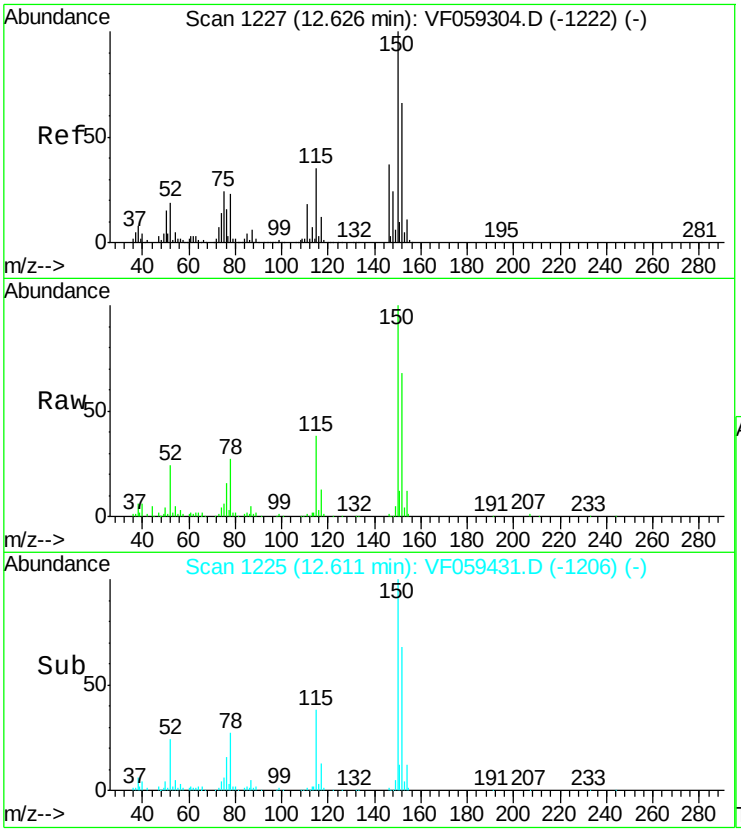


#70
Styrene
Concen: 1.093 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion:104 Resp: 1761

Ion	Ratio	Lower	Upper
104	100		
78	75.4	40.9	61.3#
103	53.7	36.5	54.7



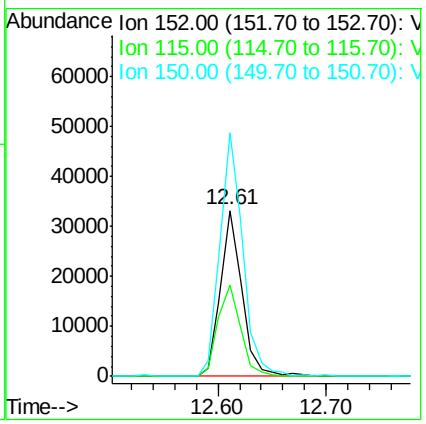


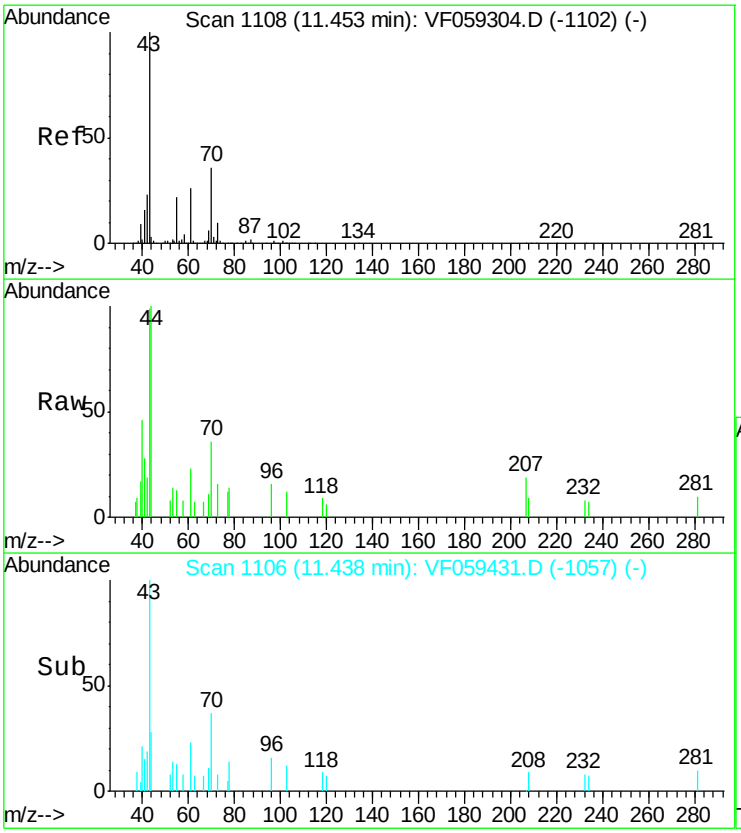
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:152 Resp: 46443

Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.1	81.3
150	146.8	0.0	305.2

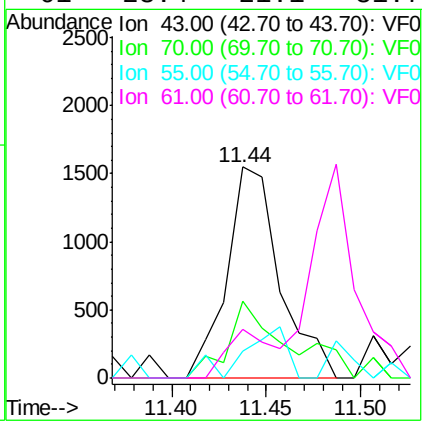


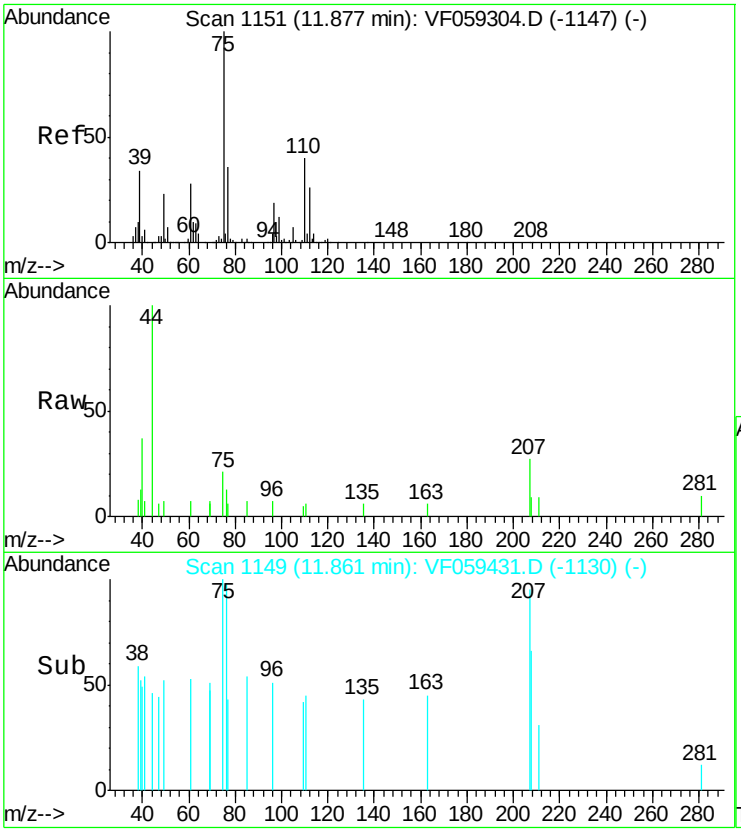


#74
N-amyl acetate
Concen: 3.078 ug/l
RT: 11.44 min Scan# 1106
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 43 Resp: 3022

Ion	Ratio	Lower	Upper
43	100		
70	36.7	28.8	43.2
55	12.8	17.4	26.0#
61	23.4	21.1	31.7



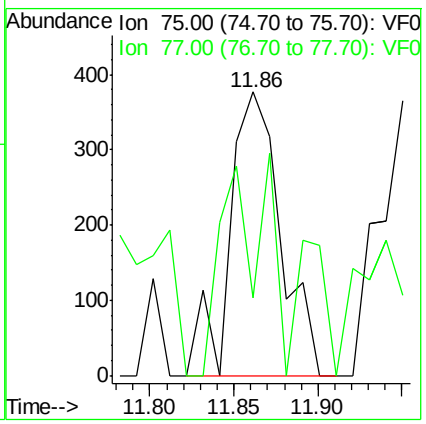


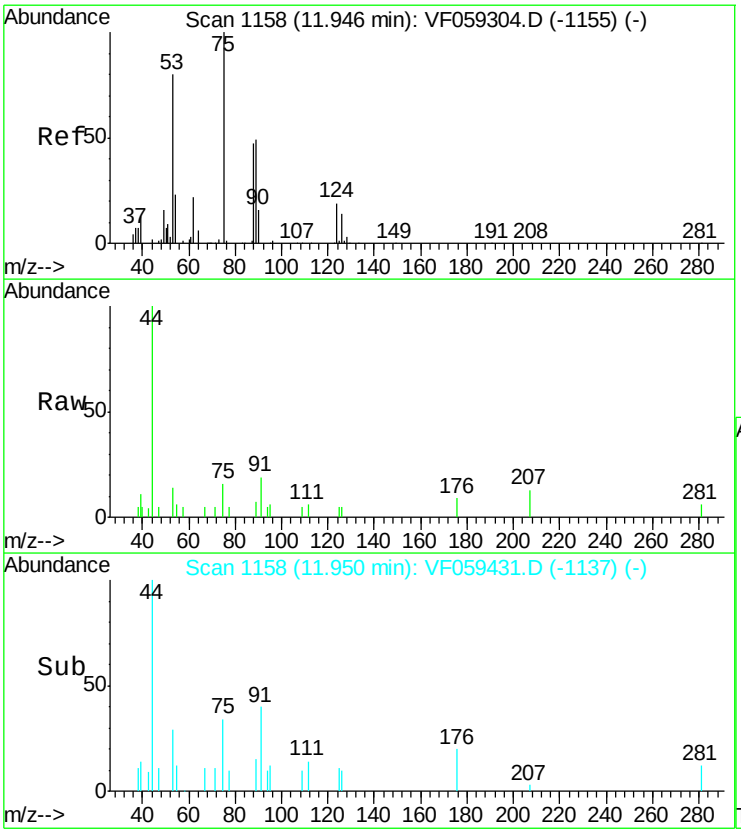
#76
1,2,3-Trichloropropane
Concen: 1.540 ug/l
RT: 11.86 min Scan# 1149
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 75 Resp: 794

Ion	Ratio	Lower	Upper
75	100		
77	27.3	18.0	54.0

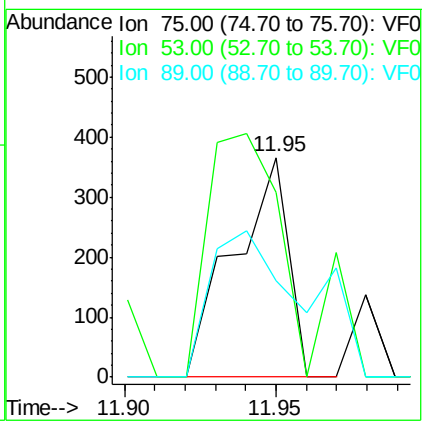


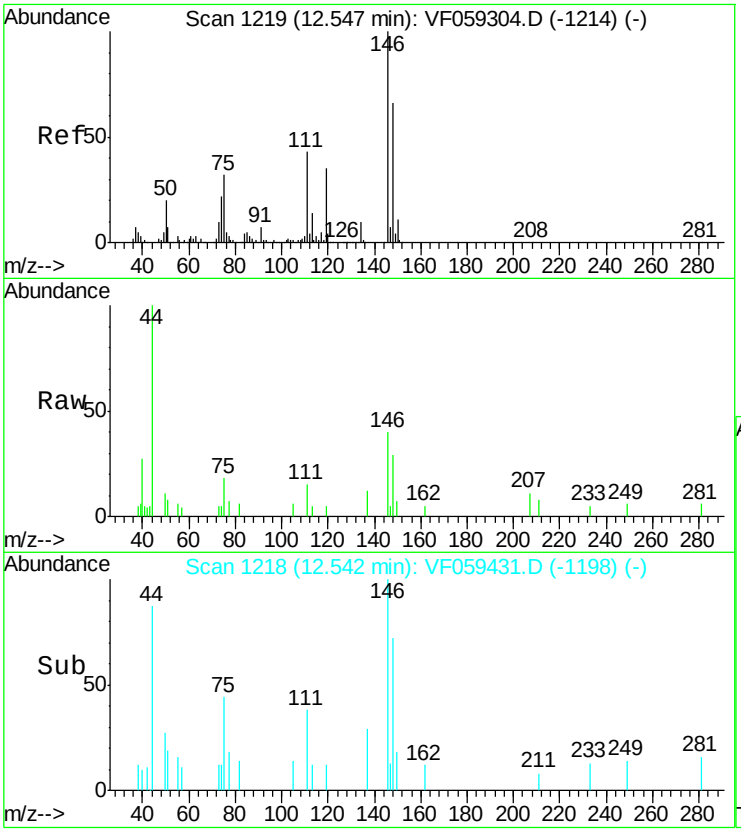


#81
trans-1,4-Dichloro-2-butene
Concen: 1.490 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 75 Resp: 457

Ion	Ratio	Lower	Upper
75	100		
53	83.9	68.8	103.2
89	43.7	42.0	63.0



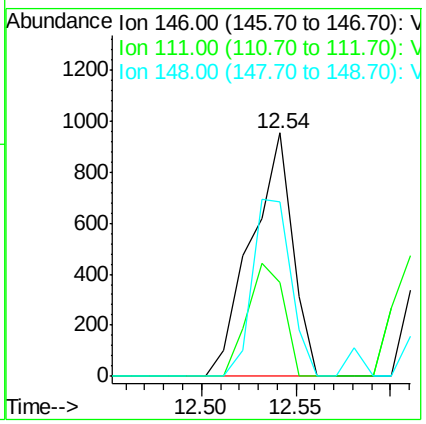


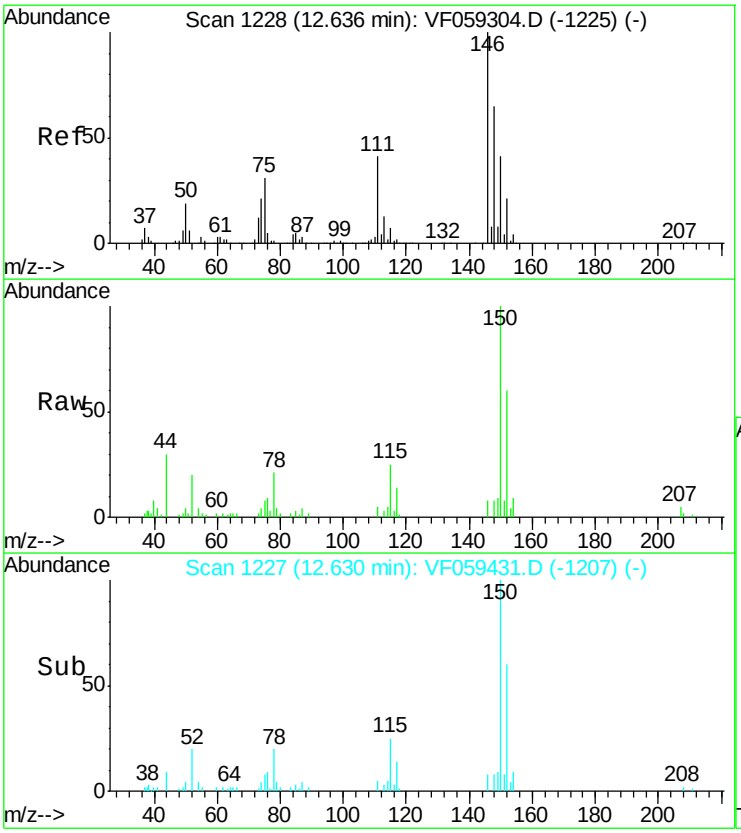
#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.54 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:146 Resp: 1455

Ion	Ratio	Lower	Upper
146	100		
111	38.4	21.4	64.2
148	71.9	32.8	98.4

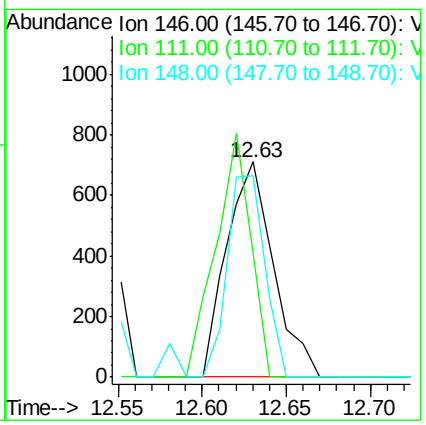


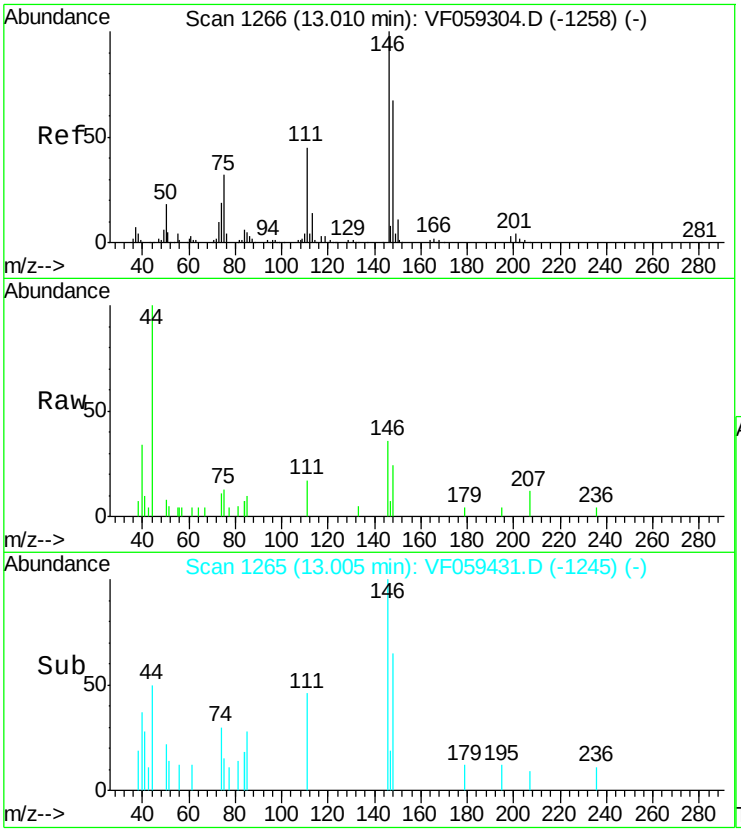


#88
1,4-Dichlorobenzene
Concen: 1.022 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion:146 Resp: 1370

Ion	Ratio	Lower	Upper
146	100		
111	57.7	20.7	62.1
148	93.7	32.8	98.3



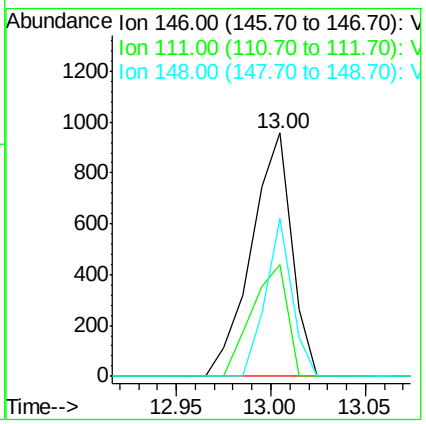


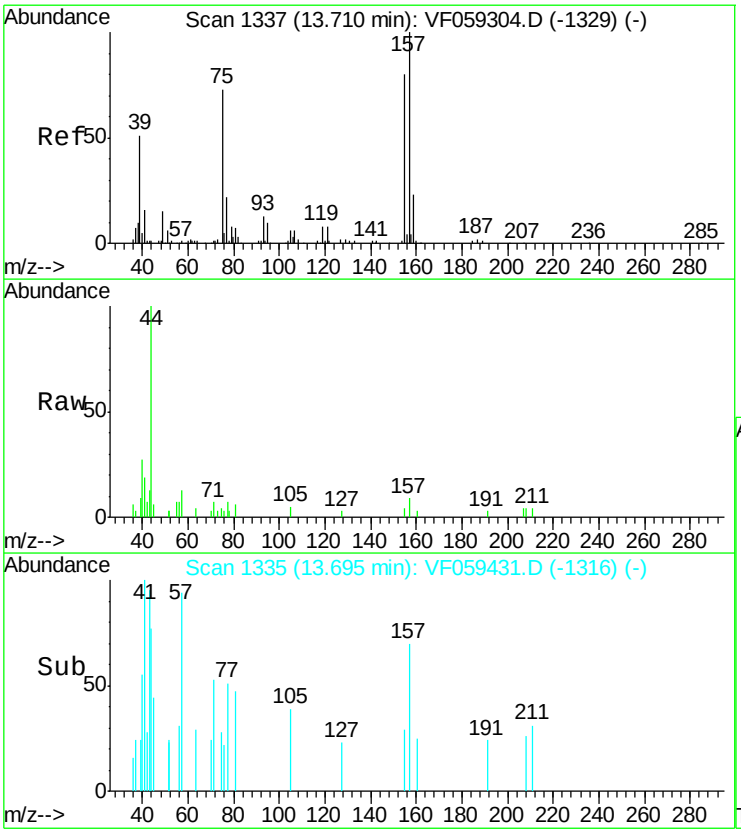
#91
1,2-Dichlorobenzene
Concen: 1.041 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:146 Resp: 1418

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.7	68.0
148	65.0	33.5	100.4

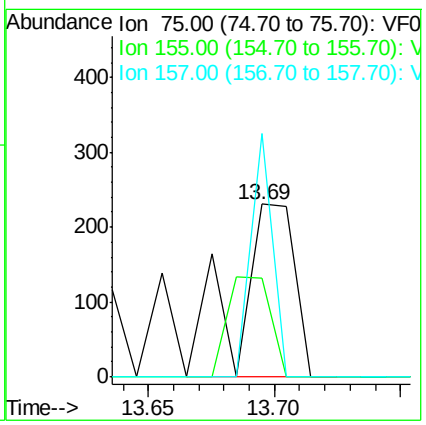


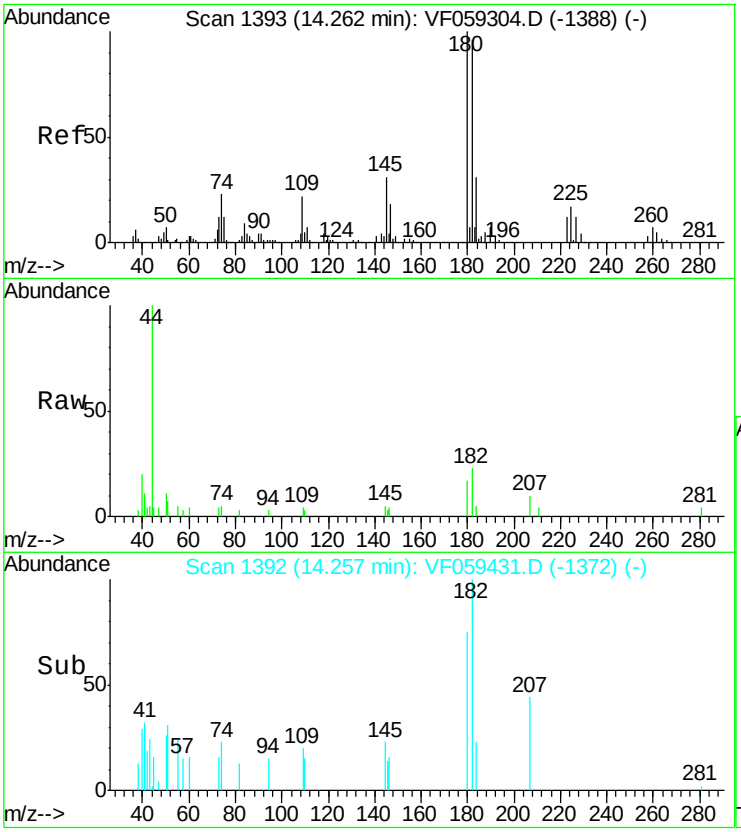


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.429 ug/l
RT: 13.69 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion: 75 Resp: 368

Ion	Ratio	Lower	Upper
75	100		
155	57.1	54.6	163.8
157	140.7	68.7	205.9



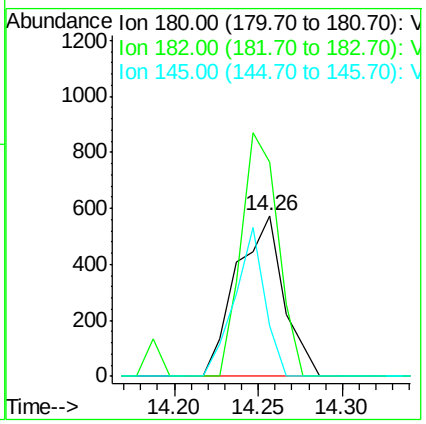


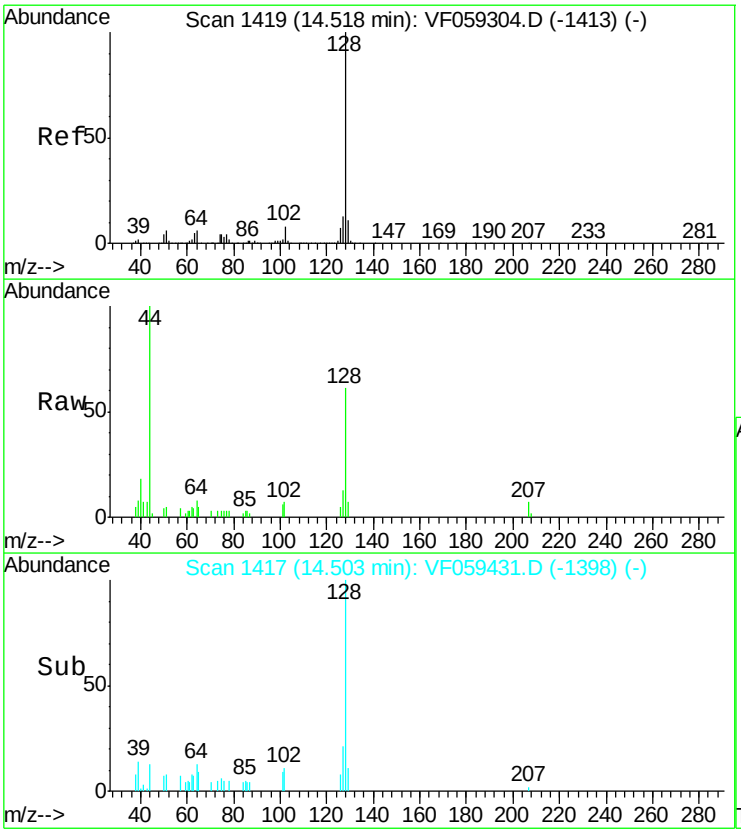
#93
1,2,4-Trichlorobenzene
Concen: 1.111 ug/l
RT: 14.26 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:180 Resp: 1120

Ion	Ratio	Lower	Upper
180	100		
182	133.4	48.1	144.3
145	49.3	15.3	45.8#

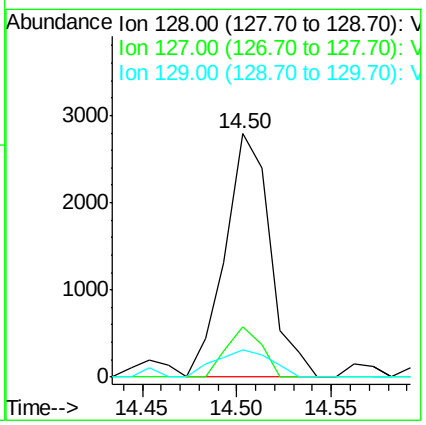


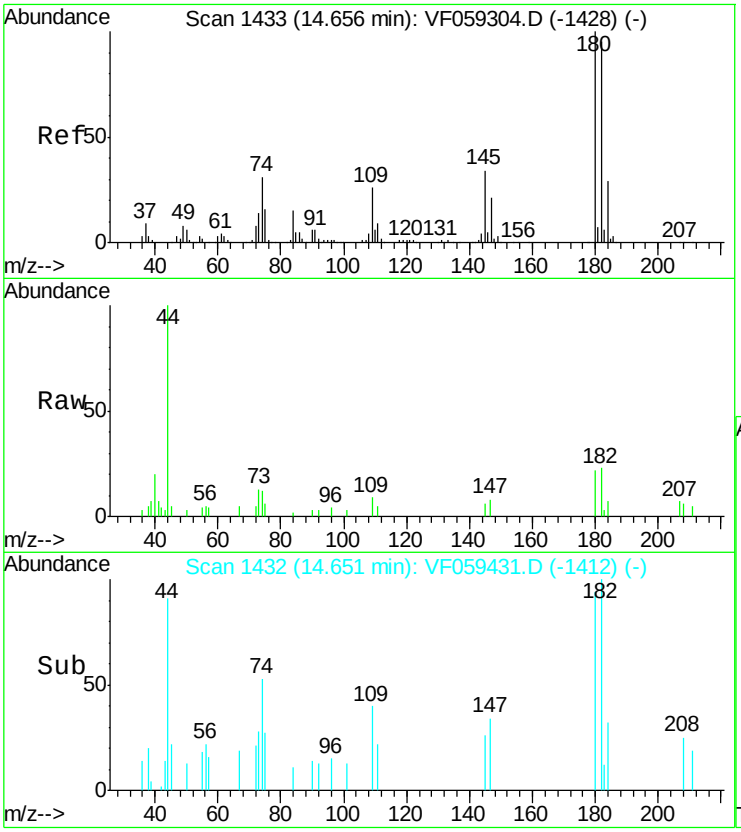


#95
Naphthalene
Concen: 2.183 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Tgt Ion:128 Resp: 4602

Ion	Ratio	Lower	Upper
128	100		
127	20.7	10.1	15.1#
129	11.2	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 1.410 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VF059431.D
Acq: 5 Jul 2018 13:53

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:180 Resp: 1346

Ion	Ratio	Lower	Upper
180	100		
182	105.8	47.5	142.5
145	27.0	17.0	50.9