Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF071818\
Data File : VF059525.D
Acq On : 18 Jul 2018 21:16
Operator : VA/AP
Sample : J4012-01RE
Misc : 5.04g/5mL/MSVOA_F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FS-RT-4917RE

Quant Time: Jul 19 01:35:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-5.05
34) 1,4-Difluorobenzene	5.50	114	63	50.00	ug/l	-0.29
63) Chlorobenzene-d5	9.29	117	65	50.00	ug/l	-0.64
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.64
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.17	65	61	0.00	ug/l	0.14
Spiked Amount 50.000			Recovery =	0.00%		
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
50) Toluene-d8	7.45	98	62	45.11	ug/l	-0.28
Spiked Amount 50.000			Recovery =	90.22%		
62) 4-Bromofluorobenzene	10.90	95	62	85.99	ug/l	-0.62
Spiked Amount 50.000			Recovery =	171.98%		
Target Compounds						Qvalue
36) 1,1-Dichloropropene	4.31	75	73	115.77	ug/l #	45
37) Ethyl Acetate	4.16	43	149	489.08	ug/l #	41
38) Carbon Tetrachloride	3.96	117	130	179.90	ug/l #	12
40) Benzene	4.58	78	70	57.22	ug/l #	51
41) Methacrylonitrile	4.70	41	108	597.23	ug/l #	50
42) 1,2-Dichloroethane	4.81	62	64	79.65	ug/l	85
43) Isopropyl Acetate	6.79	43	321	708.42	ug/l #	51
45) 1,2-Dichloropropane	5.97	63	76	223.82	ug/l #	42
47) Bromodichloromethane	6.11	83	85	106.79	ug/l #	25
48) Methyl methacrylate	6.58	41	88	271.93	ug/l #	13
49) 1,4-Dioxane	6.32	88	70	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.04	43	75	233.50	ug/l #	40
52) Toluene	7.47	92	75	84.53	ug/l #	1
53) t-1,3-Dichloropropene	8.02	75	72	98.34	ug/l #	43
56) Ethyl methacrylate	8.37	69	76	178.27	ug/l #	31
57) 1,3-Dichloropropane	8.53	76	62	102.00	ug/l #	42
59) 2-Hexanone	9.22	43	119	490.22	ug/l #	30
60) Dibromochloromethane	8.50	129	76	131.18	ug/l #	12
61) 1,2-Dibromoethane	8.68	107	157	368.07	ug/l #	2
67) Ethyl Benzene	9.97	91	158	72.81	ug/l #	45
68) m/p-Xylenes	10.39	106	74	96.62	ug/l #	1
69) o-Xylene	10.68	106	62	76.03	ug/l #	1
71) Bromoform	10.96	173	67	173.72	ug/l #	27

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

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Operator : VA/AP
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Misc : 5.04g/5mL/MSVOA_F/SOIL
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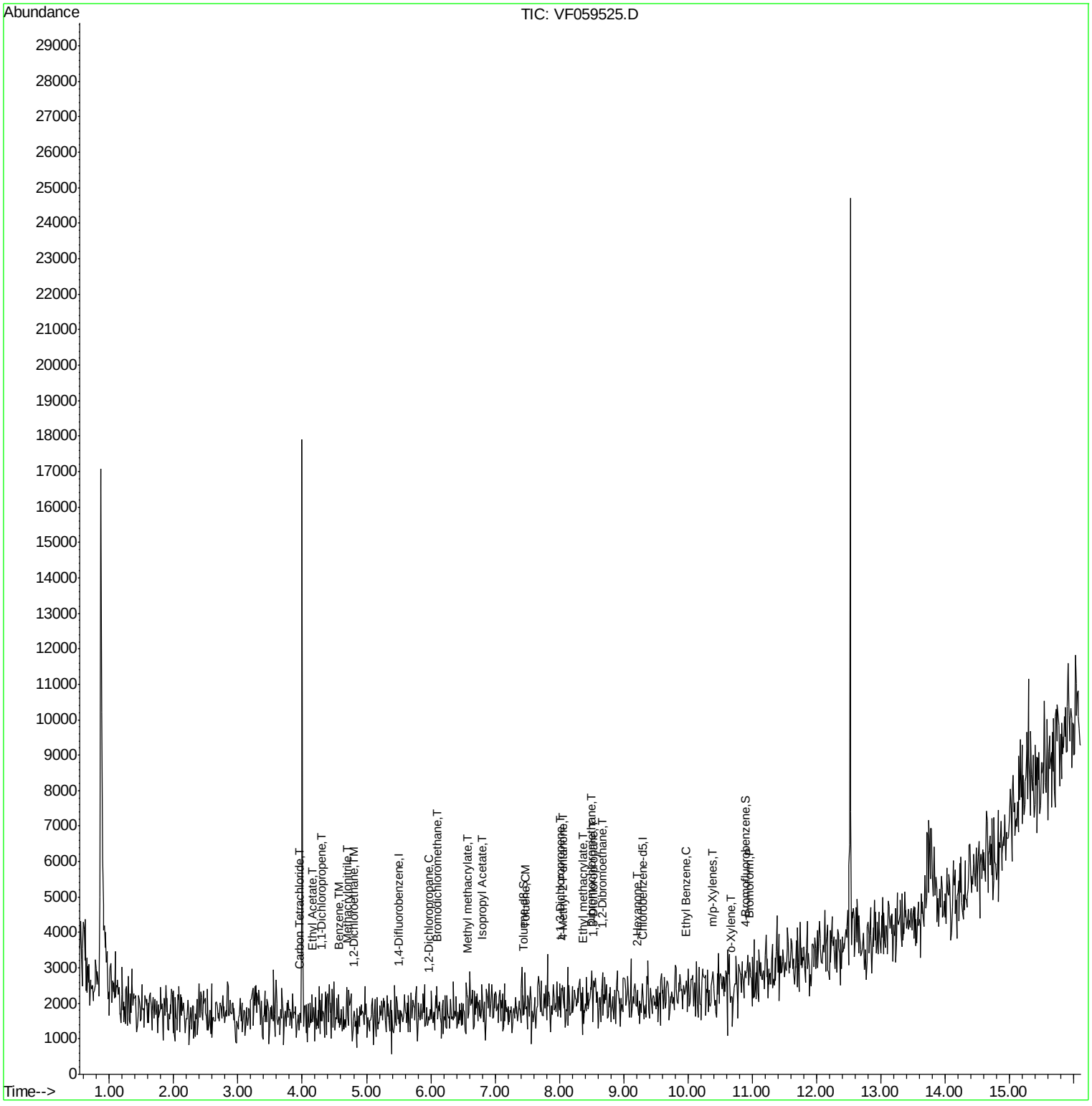
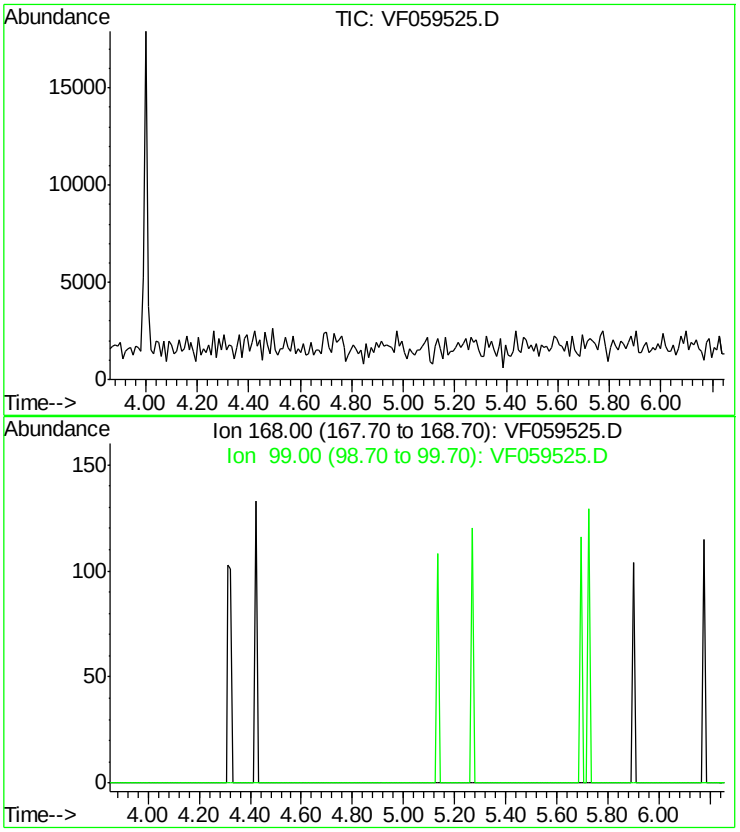
Instrument : MSVOA_F
ClientSampleId : FS-RT-4917RE

Quant Time: Jul 19 01:35:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





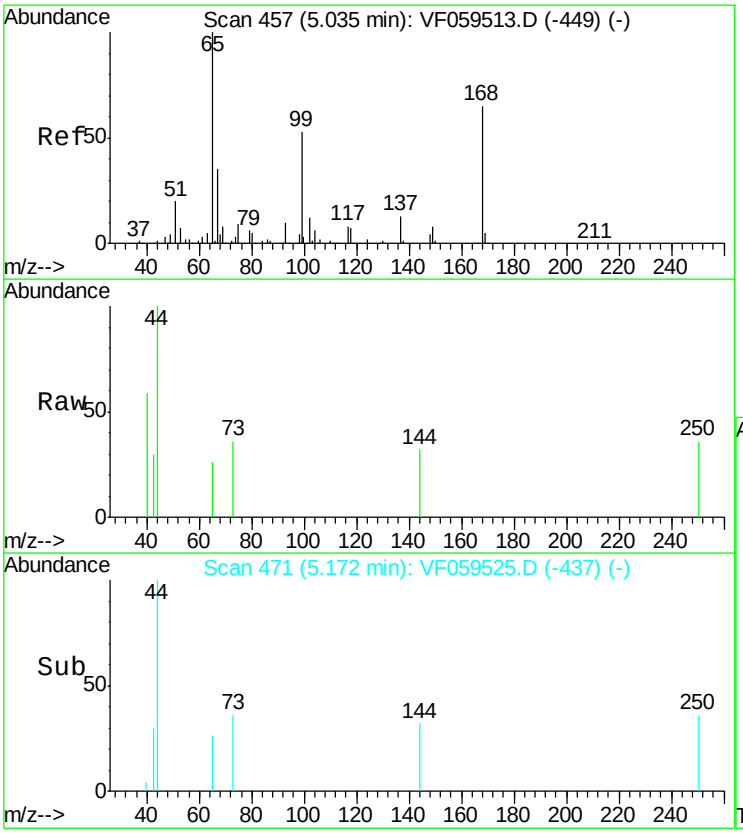
#1
Pentafluorobenzene
Concen: 0.00 ug/l
Expected RT: 5.05 min

Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 168

Sig	Exp Ratio
168	100
99	72.0

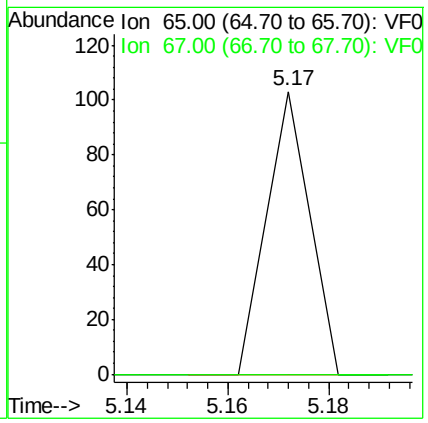
Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE

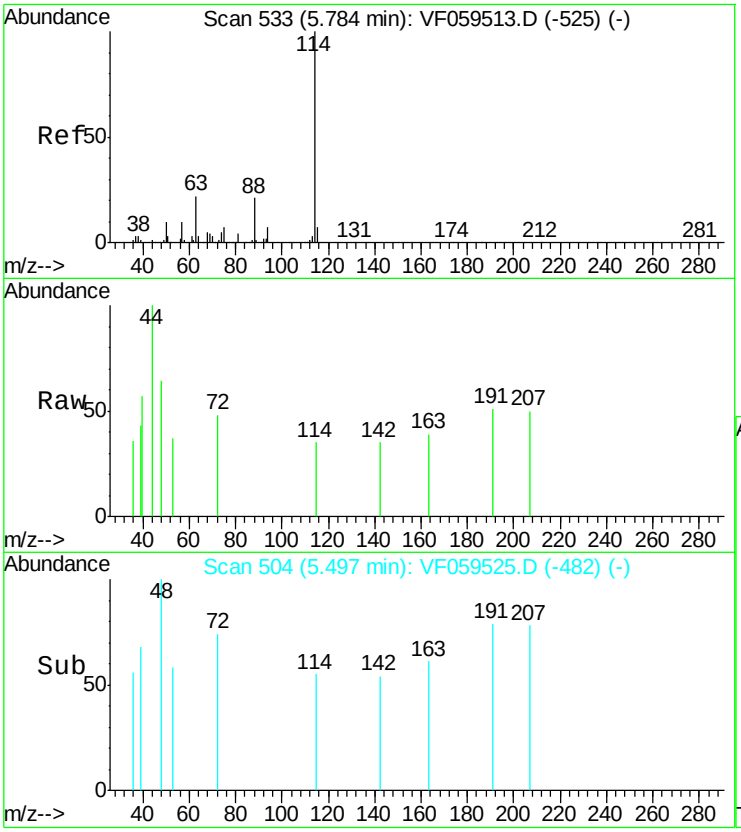


#33
1,2-Dichloroethane-d4
Concen: 0.00 ug/l
RT: 5.17 min Scan# 471
Delta R.T. 0.14 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 65 Resp: 61

Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	91.2



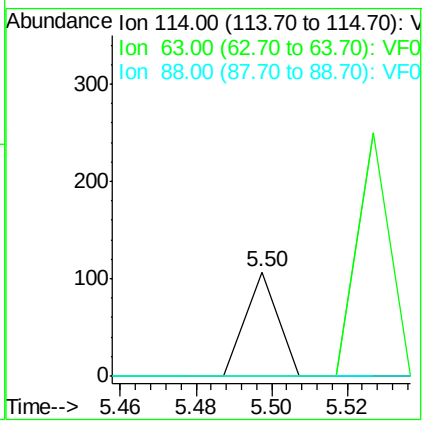


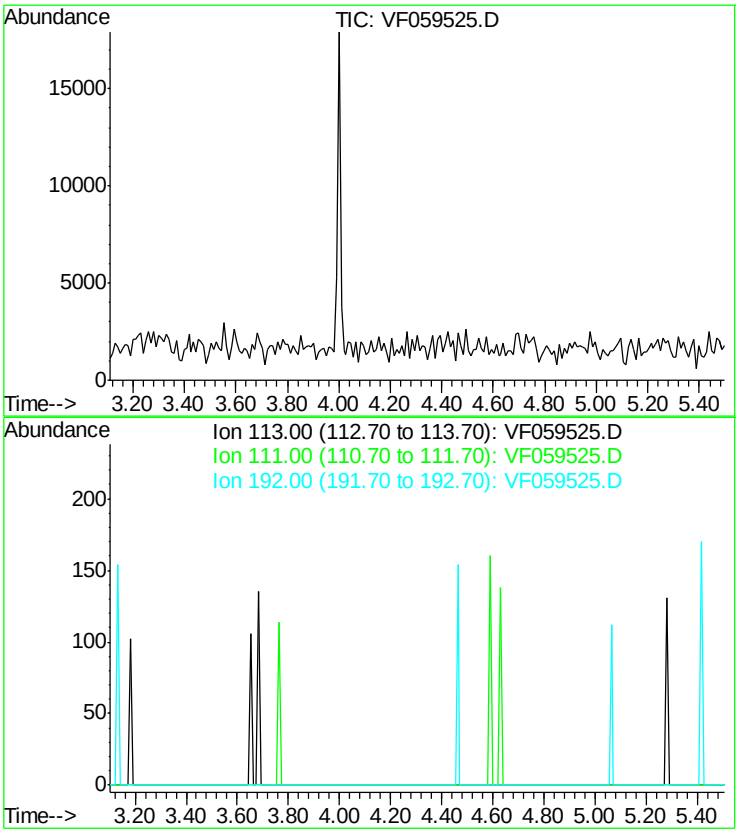
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.50 min Scan# 504
Delta R.T. -0.29 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE

Tgt Ion:114 Resp: 63

Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	44.8
88	0.0	0.0	42.6



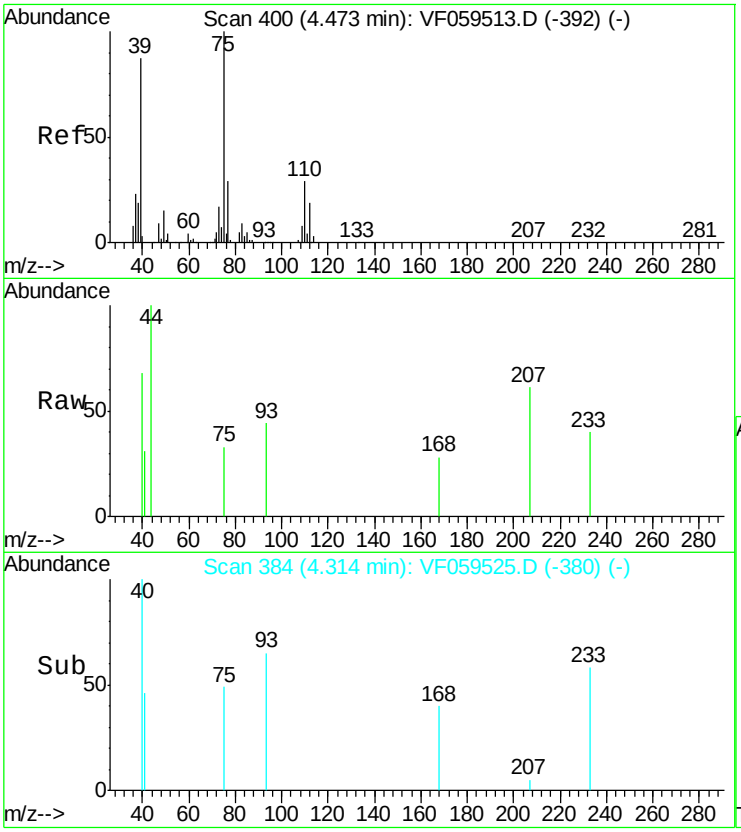


#35
Dibromofluoromethane
Concen: 0.00 ug/l
Expected RT: 4.31 min

Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	100.4
192	16.4

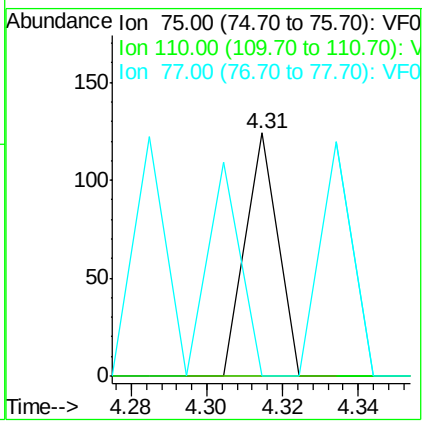


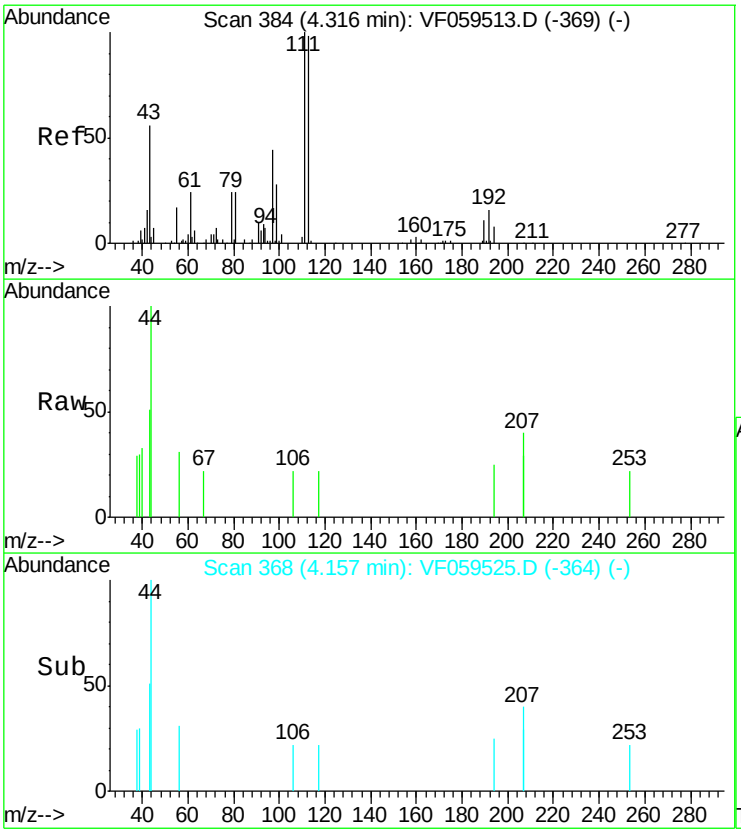
#36
1,1-Dichloropropene
Concen: 115.77 ug/l
RT: 4.31 min Scan# 384
Delta R.T. -0.16 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument : MSVOA_F
ClientSampleId : FS-RT-4917RE

Tgt Ion: 75 Resp: 73

Ion	Ratio	Lower	Upper
75	100		
110	0.0	14.6	43.8#
77	0.0	23.7	35.5#

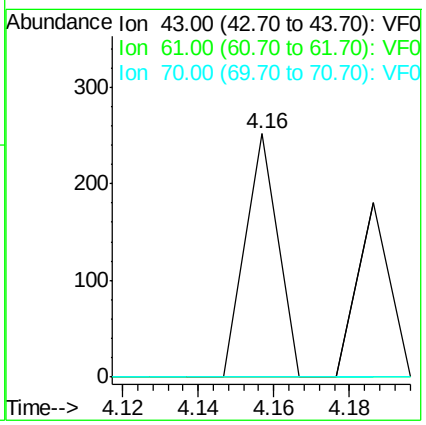


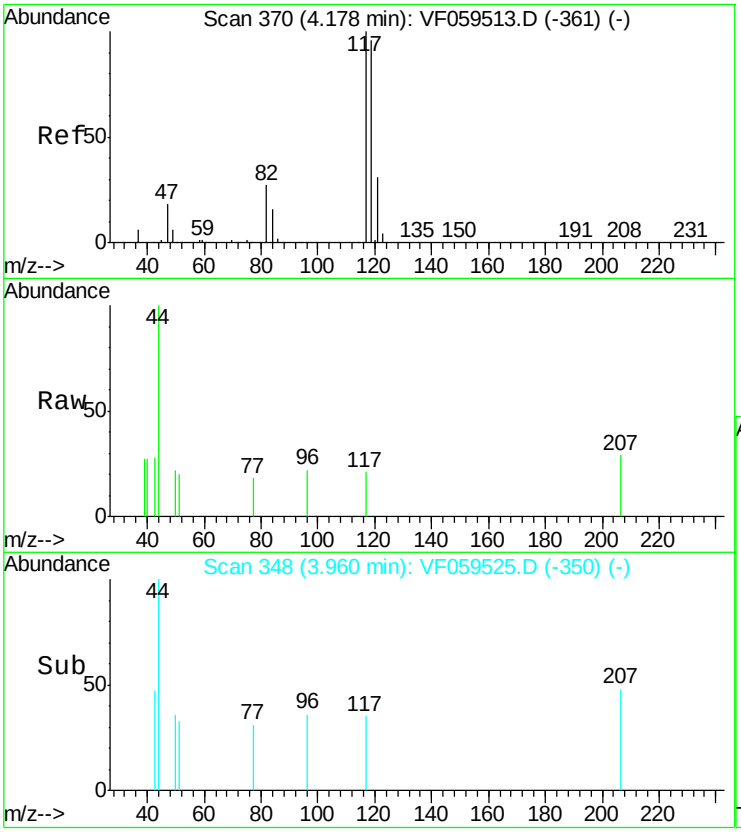


#37
Ethyl Acetate
Concen: 489.08 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.16 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 43 Resp: 149

Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#



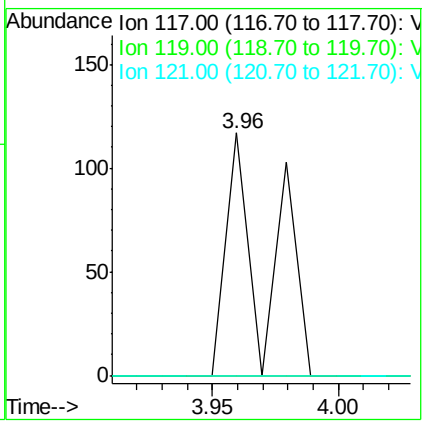


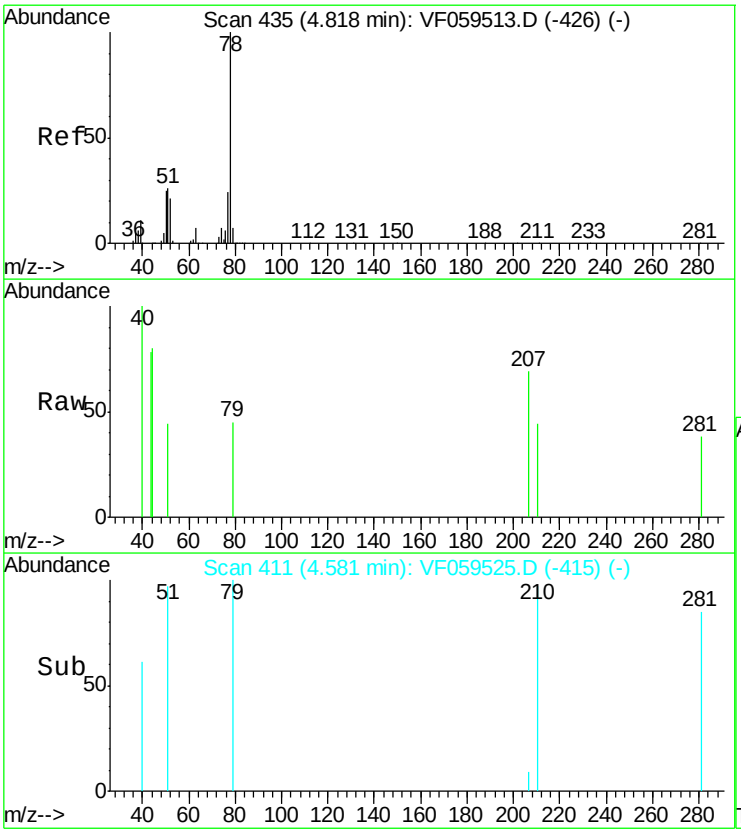
#38
Carbon Tetrachloride
Concen: 179.90 ug/l
RT: 3.96 min Scan# 348
Delta R.T. -0.22 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument : MSVOA_F
ClientSampleId : FS-RT-4917RE

Tgt Ion:117 Resp: 130

Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.6	116.4#
121	0.0	24.9	37.3#

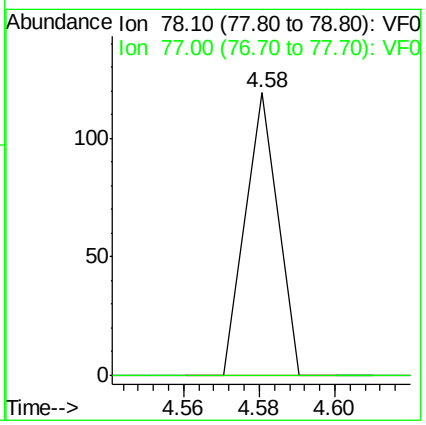


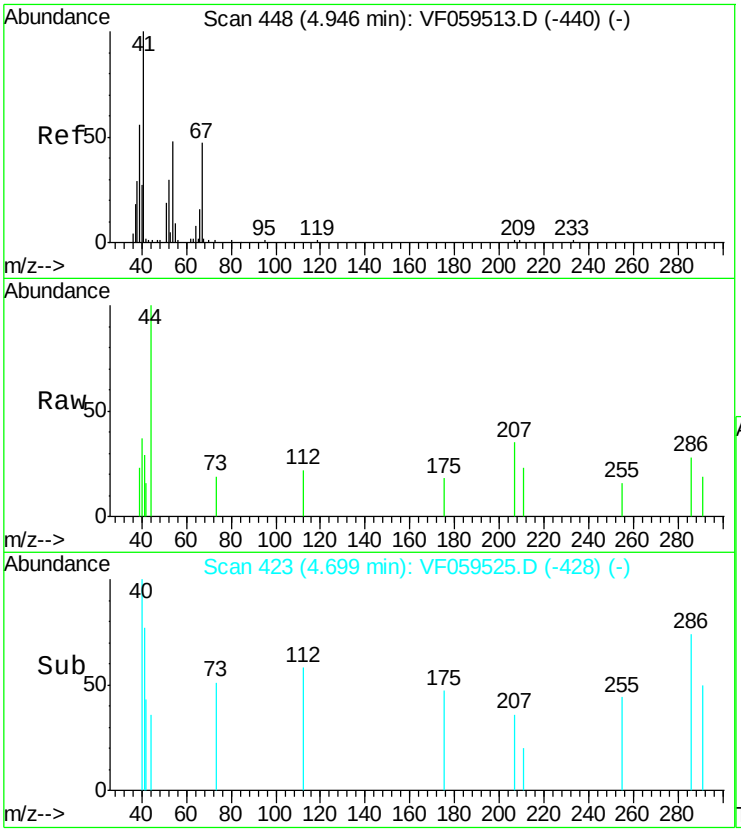


#40
Benzene
Concen: 57.22 ug/l
RT: 4.58 min Scan# 411
Delta R.T. -0.24 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 78 Resp: 70

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.4	29.0#



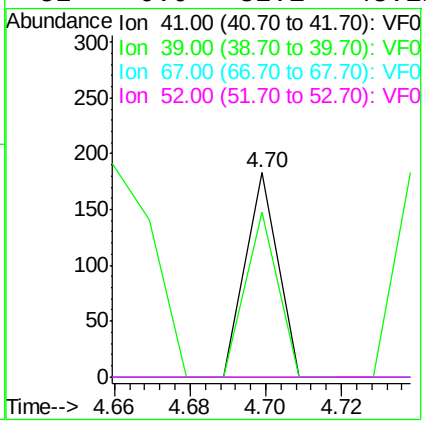


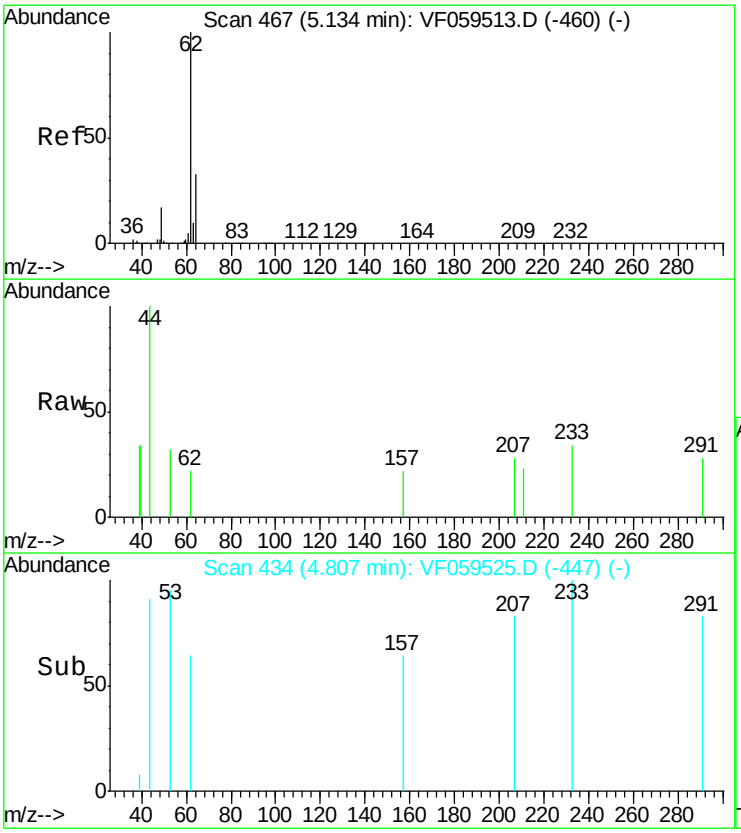
#41
Methacrylonitrile
Concen: 597.23 ug/l
RT: 4.70 min Scan# 423
Delta R.T. -0.25 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument : MSVOA_F
ClientSampleId : FS-RT-4917RE

Tgt Ion: 41 Resp: 108

Ion	Ratio	Lower	Upper
41	100		
39	80.9	49.4	74.0#
67	0.0	37.4	56.2#
52	0.0	32.1	48.1#

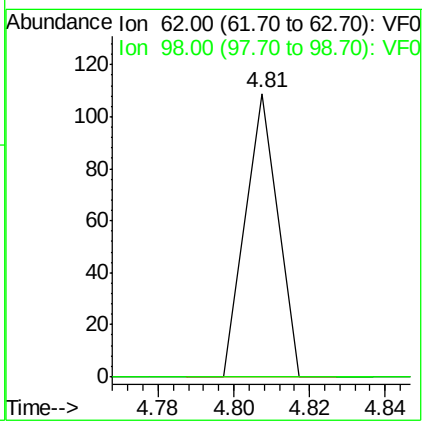


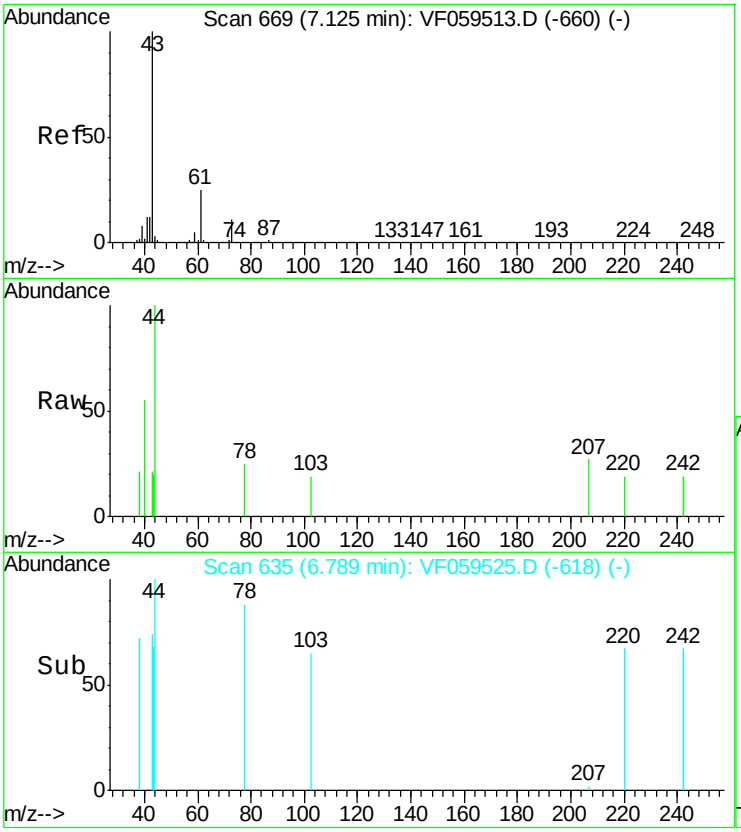


#42
1,2-Dichloroethane
Concen: 79.65 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.33 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 62 Resp: 64

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	9.6



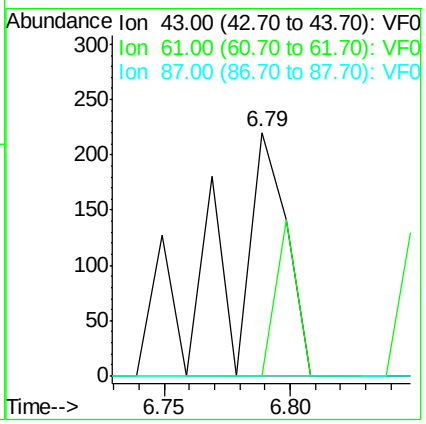


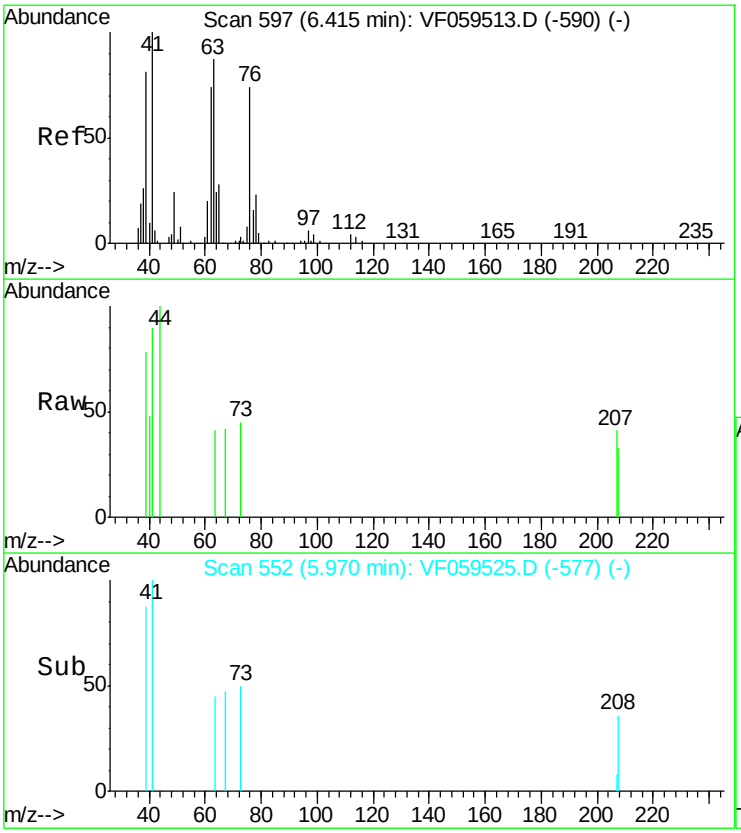
#43
Isopropyl Acetate
Concen: 708.42 ug/l
RT: 6.79 min Scan# 635
Delta R.T. -0.34 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE

Tgt Ion: 43 Resp: 321

Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	0.4	0.6#

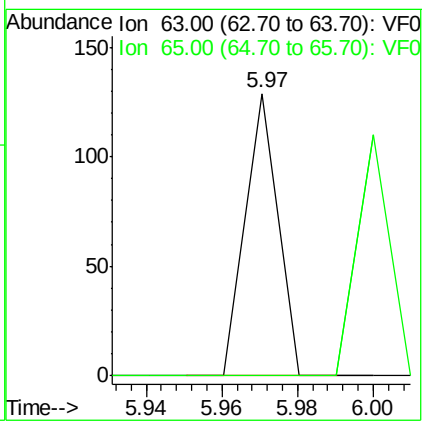


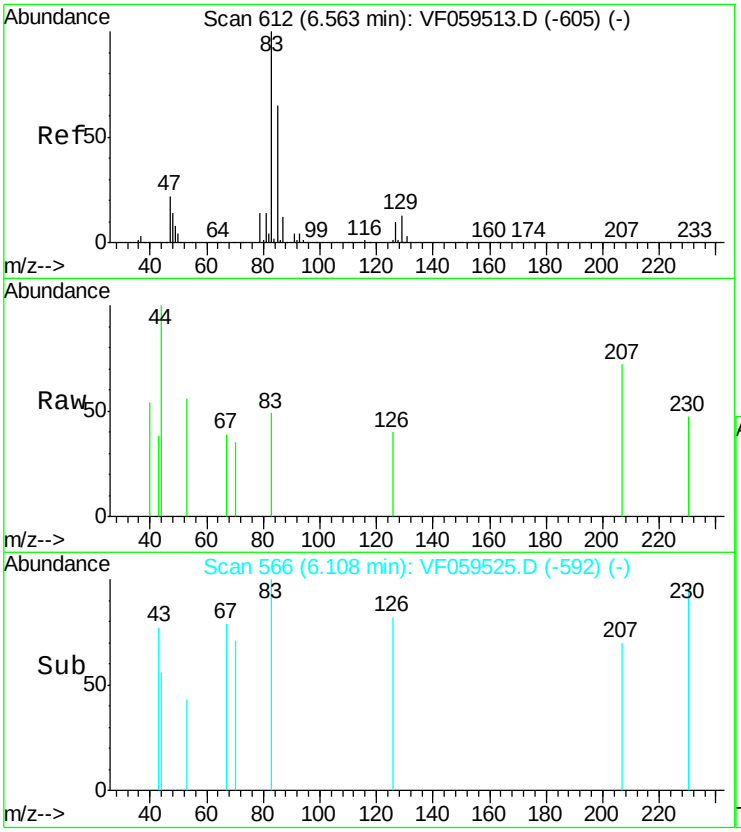


#45
1,2-Dichloropropane
Concen: 223.82 ug/l
RT: 5.97 min Scan# 552
Delta R.T. -0.44 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 63 Resp: 76

Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.1	39.1#



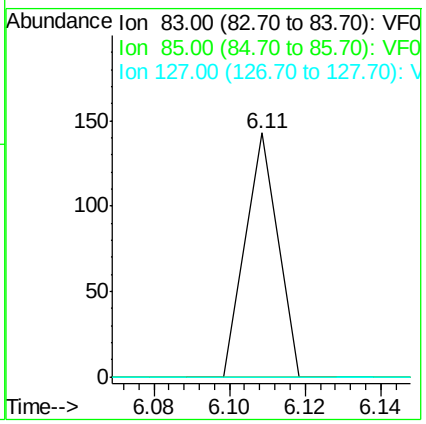


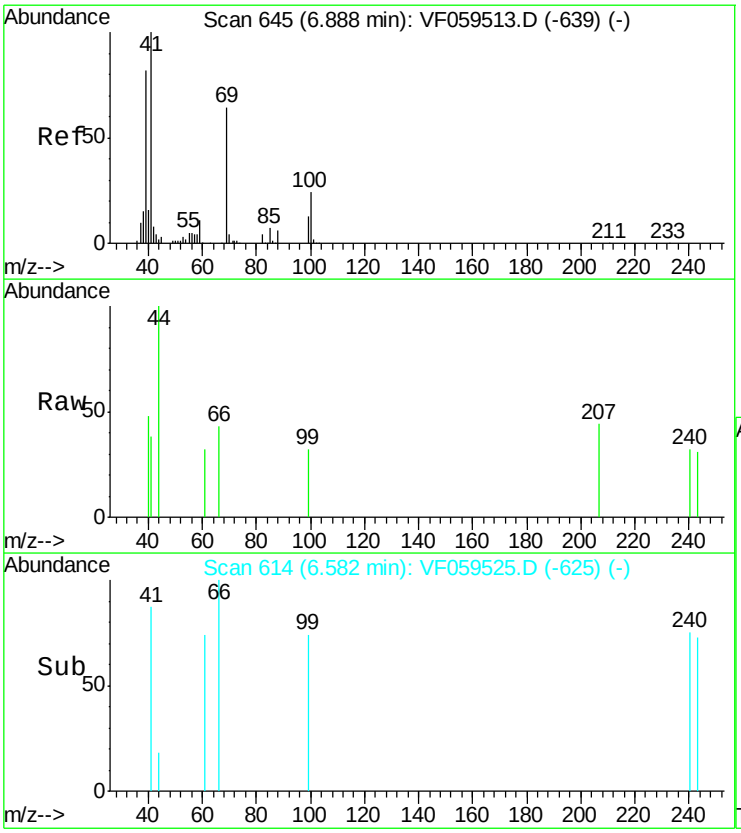
#47
Bromodichloromethane
Concen: 106.79 ug/l
RT: 6.11 min Scan# 566
Delta R.T. -0.45 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE

Tgt Ion: 83 Resp: 85

Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.4	78.6#
127	0.0	8.2	12.4#

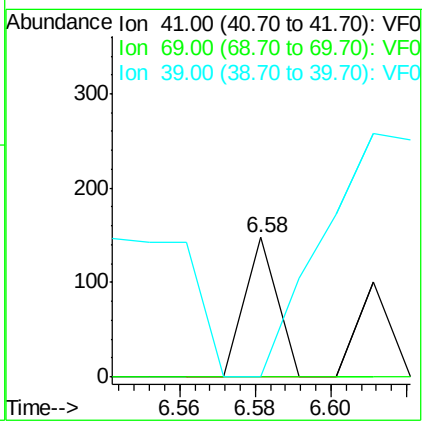


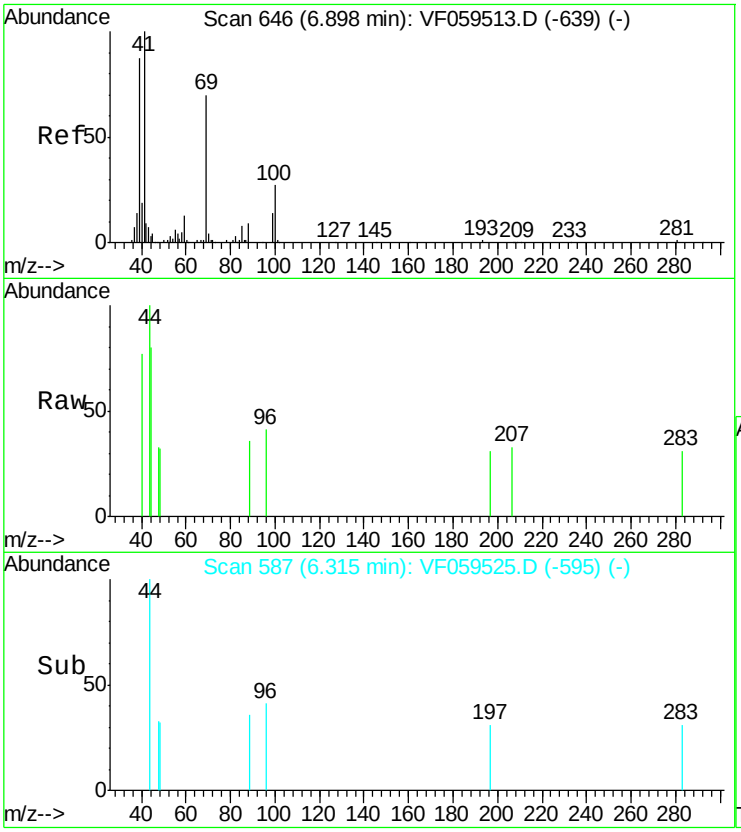


#48
Methyl methacrylate
Concen: 271.93 ug/l
RT: 6.58 min Scan# 614
Delta R.T. -0.31 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 41 Resp: 88

Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.3	76.9#
39	0.0	65.3	97.9#



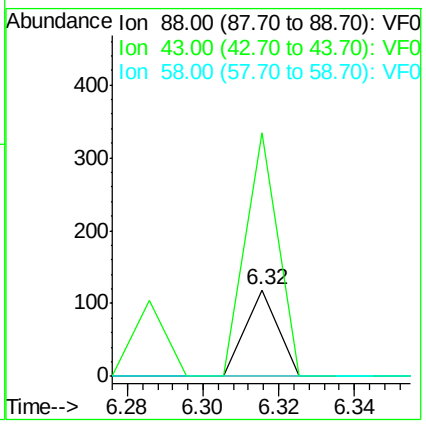


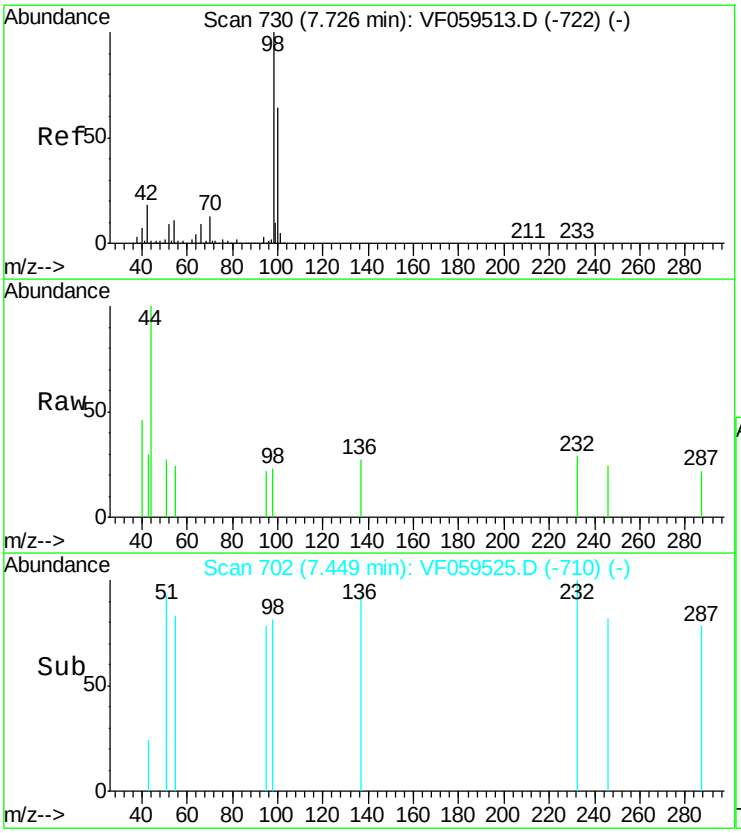
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.32 min Scan# 587
Delta R.T. -0.58 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument : MSVOA_F
ClientSampleId : FS-RT-4917RE

Tgt Ion: 88 Resp: 70

Ion	Ratio	Lower	Upper
88	100		
43	280.7	64.8	97.2#
58	0.0	44.1	66.1#

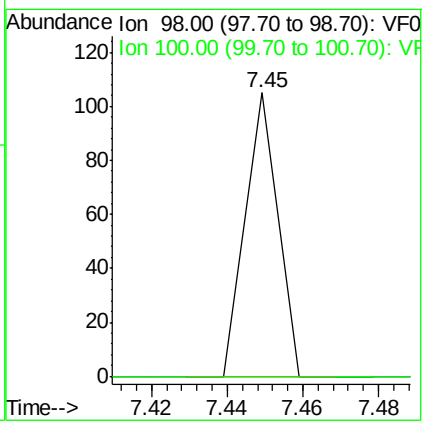


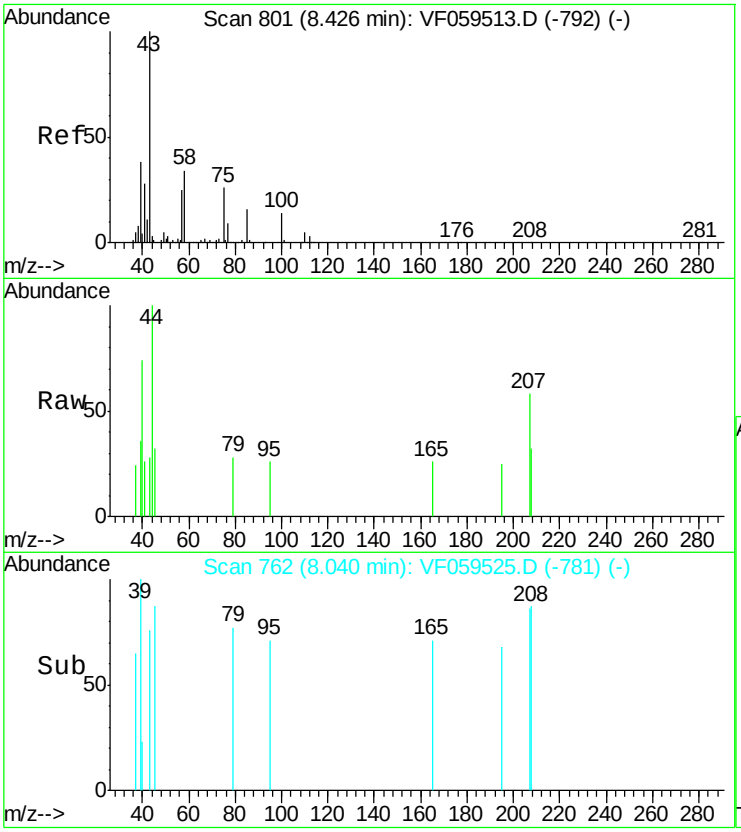


#50
Toluene-d8
Concen: 45.11 ug/l
RT: 7.45 min Scan# 702
Delta R.T. -0.28 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 98 Resp: 62

Ion	Ratio	Lower	Upper
98	100		
100	0.0	50.9	76.3#



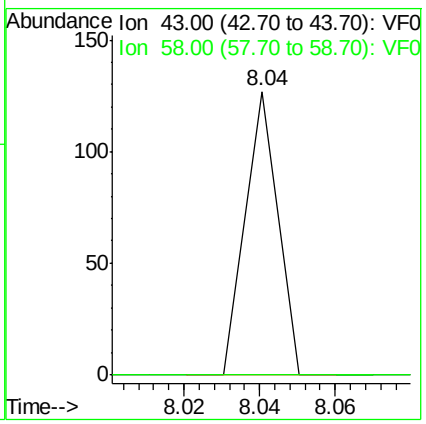


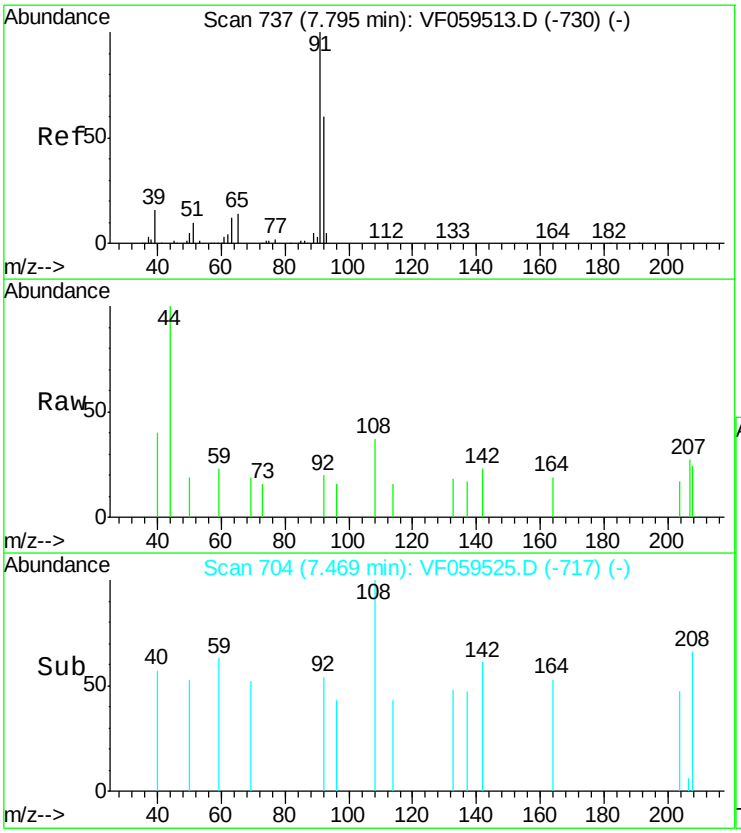
#51
4-Methyl-2-Pentanone
Concen: 233.50 ug/l
RT: 8.04 min Scan# 762
Delta R.T. -0.39 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE

Tgt Ion: 43 Resp: 75

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.4	41.2#

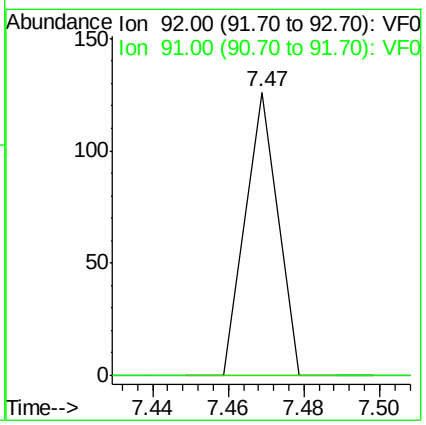


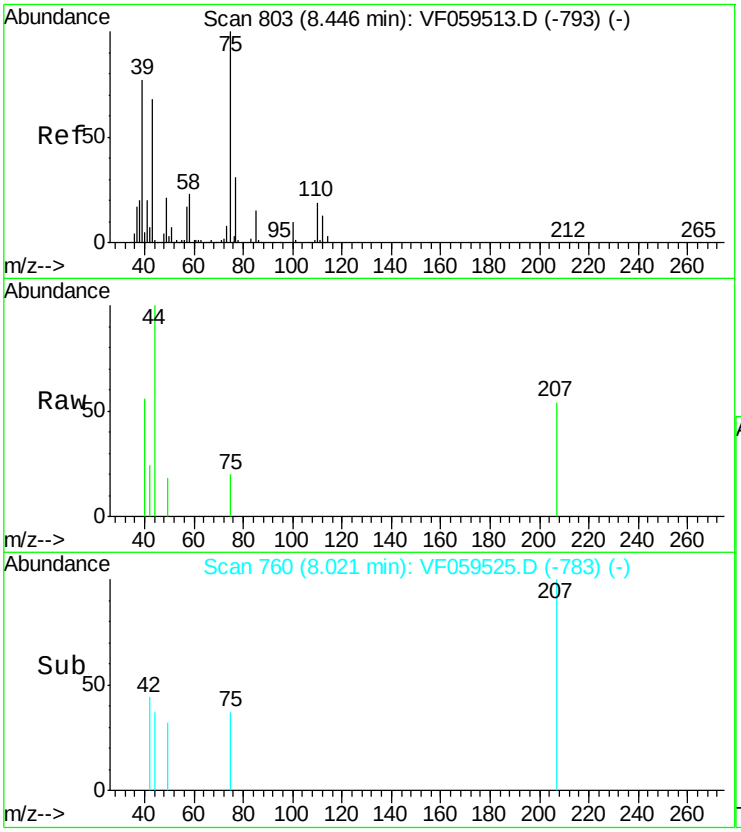


#52
Toluene
Concen: 84.53 ug/l
RT: 7.47 min Scan# 704
Delta R.T. -0.33 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 92 Resp: 75

Ion	Ratio	Lower	Upper
92	100		
91	0.0	134.2	201.4#



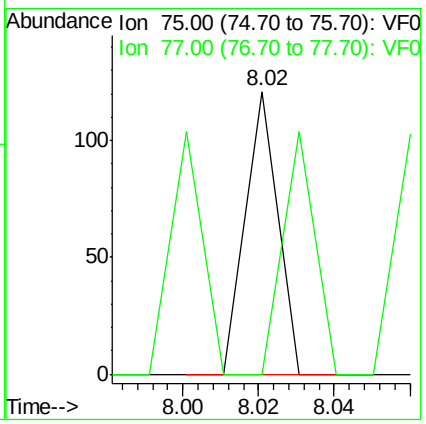


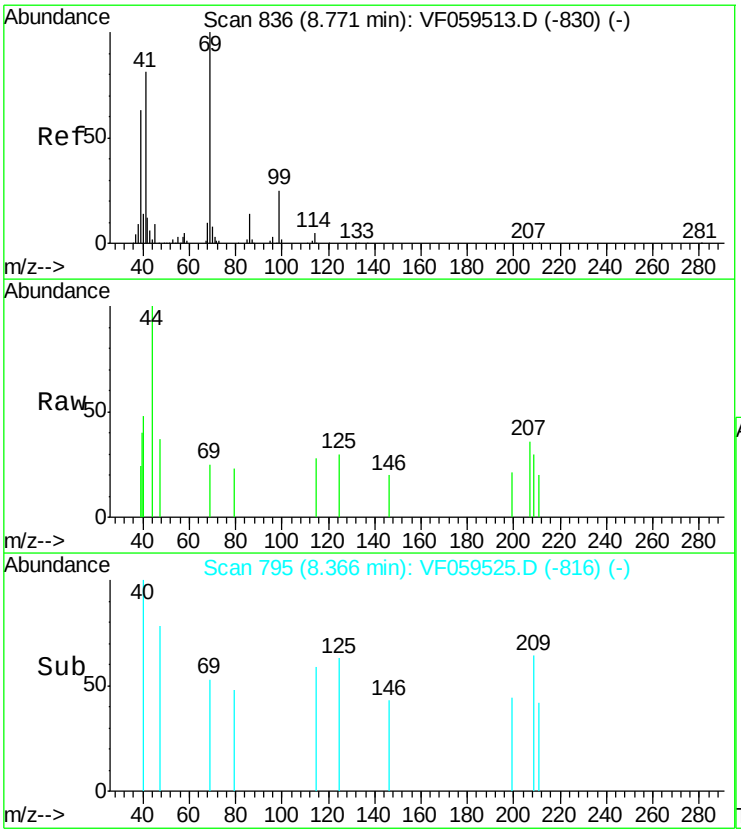
#53
t-1,3-Dichloropropene
Concen: 98.34 ug/l
RT: 8.02 min Scan# 760
Delta R.T. -0.42 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE

Tgt Ion: 75 Resp: 72

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.3	37.9#

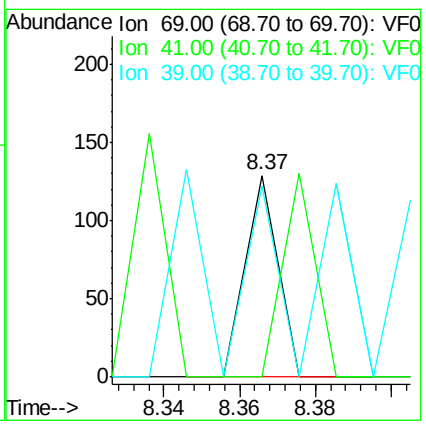


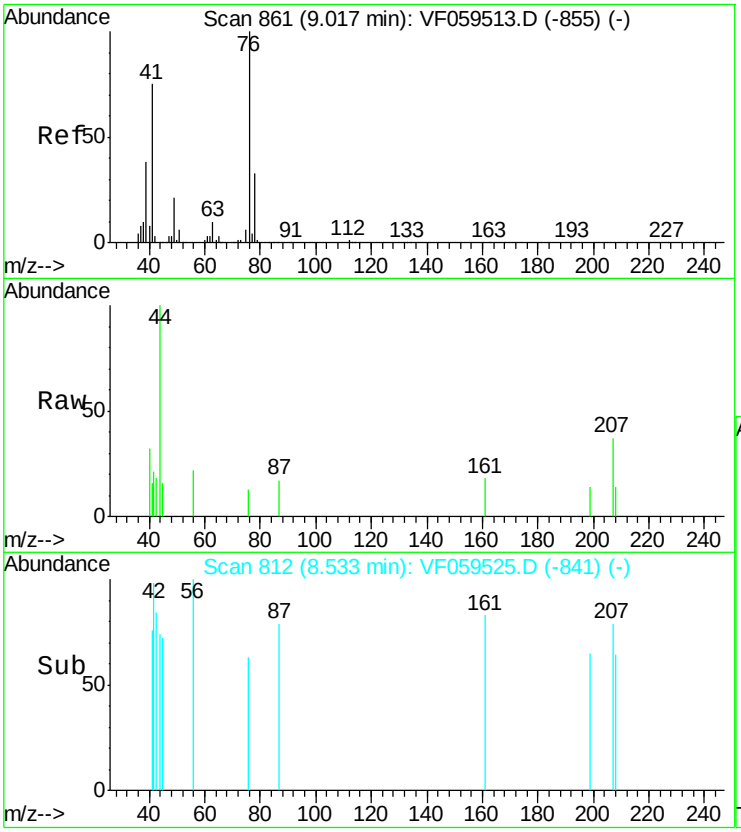


#56
Ethyl methacrylate
Concen: 178.27 ug/l
RT: 8.37 min Scan# 795
Delta R.T. -0.41 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 69 Resp: 76

Ion	Ratio	Lower	Upper
69	100		
41	0.0	65.4	98.2#
39	94.6	51.0	76.4#



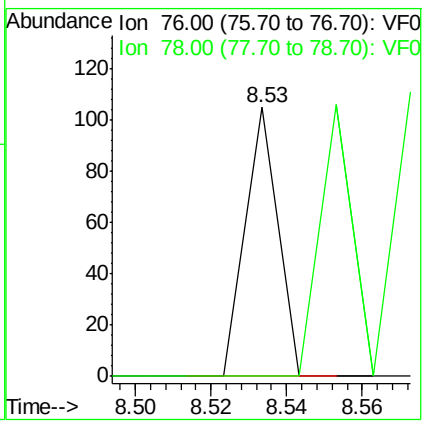


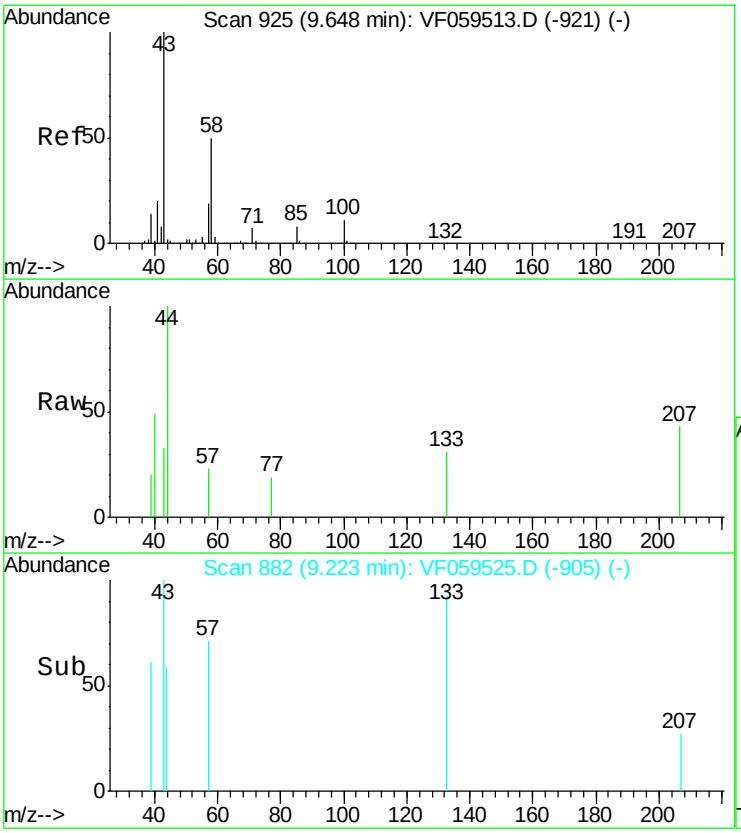
#57
1,3-Dichloropropane
Concen: 102.00 ug/l
RT: 8.53 min Scan# 812
Delta R.T. -0.48 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE

Tgt Ion: 76 Resp: 62

Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.4	39.6#

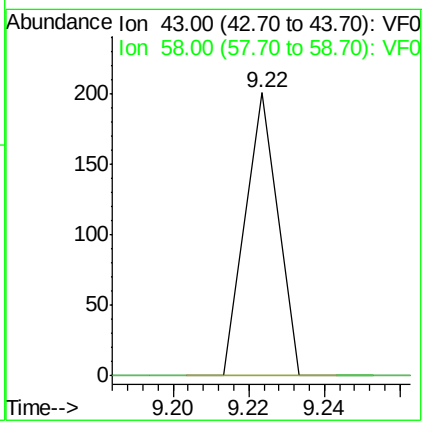


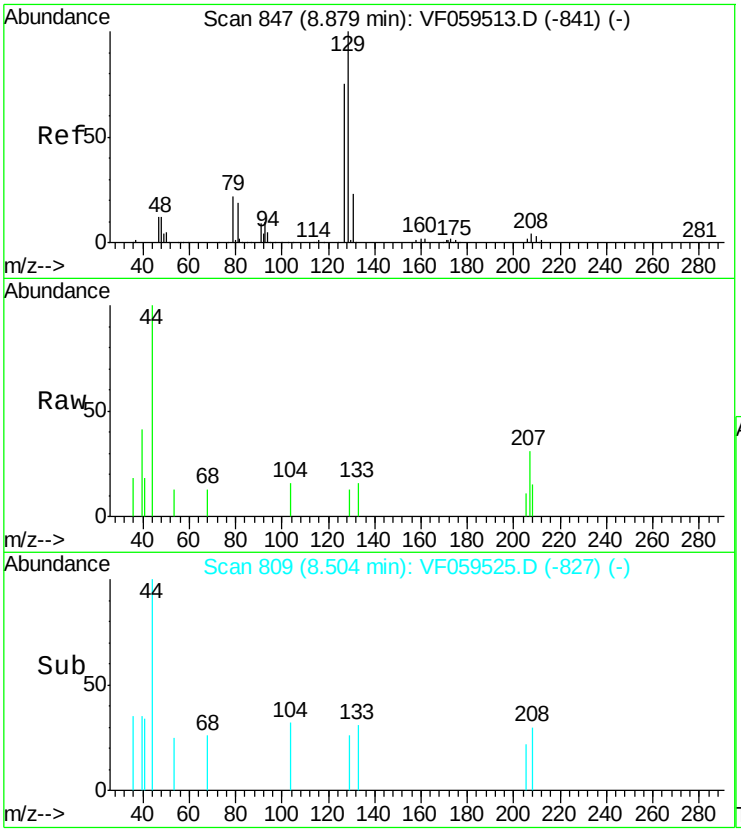


#59
2-Hexanone
Concen: 490.22 ug/l
RT: 9.22 min Scan# 882
Delta R.T. -0.42 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 43 Resp: 119

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.3	69.9#



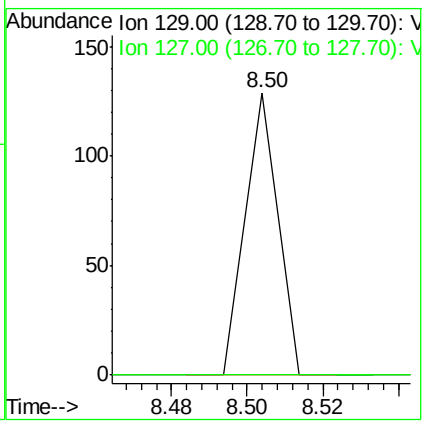


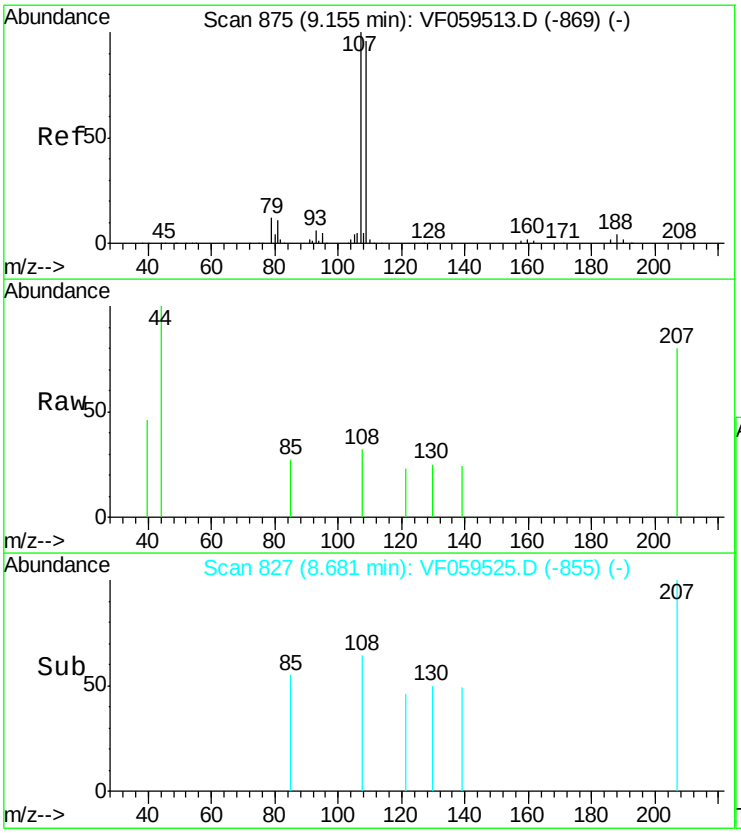
#60
Dibromochloromethane
Concen: 131.18 ug/l
RT: 8.50 min Scan# 809
Delta R.T. -0.38 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE

Tgt Ion:129 Resp: 76

Ion	Ratio	Lower	Upper
129	100		
127	0.0	37.6	112.8#

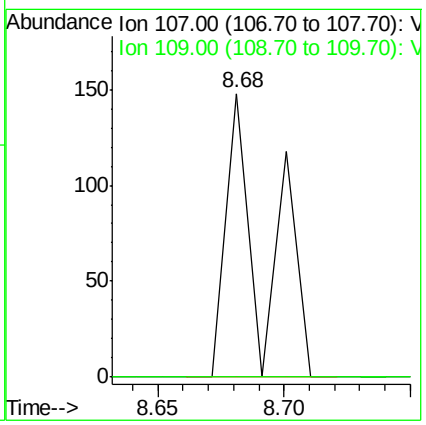


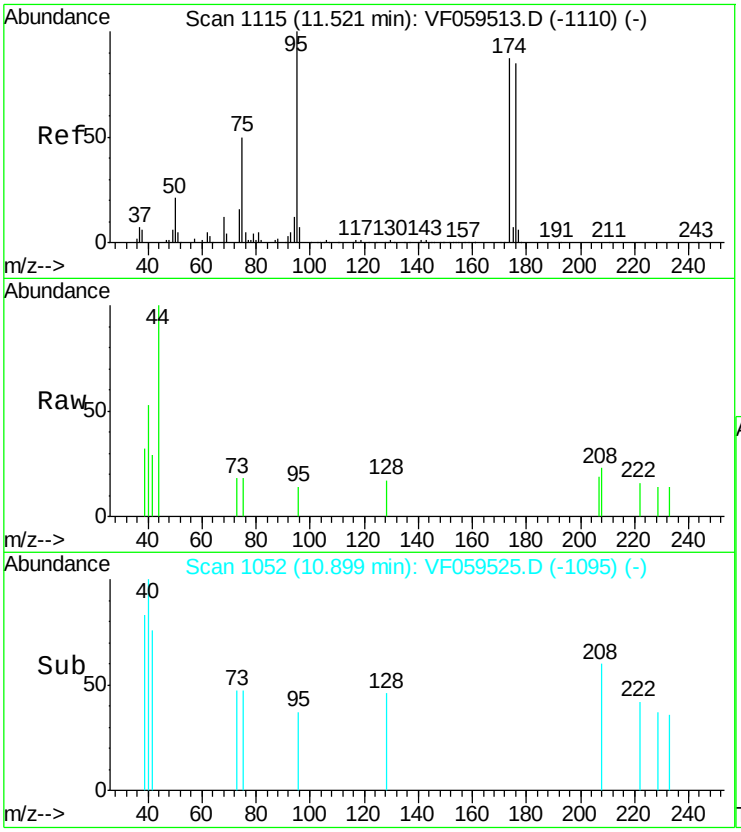


#61
1,2-Dibromoethane
Concen: 368.07 ug/l
RT: 8.68 min Scan# 827
Delta R.T. -0.47 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion:107 Resp: 157

Ion	Ratio	Lower	Upper
107	100		
109	0.0	76.5	114.7#



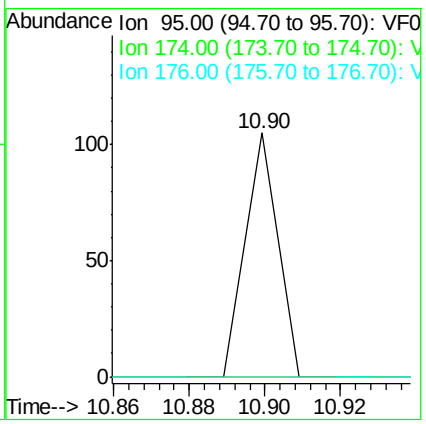


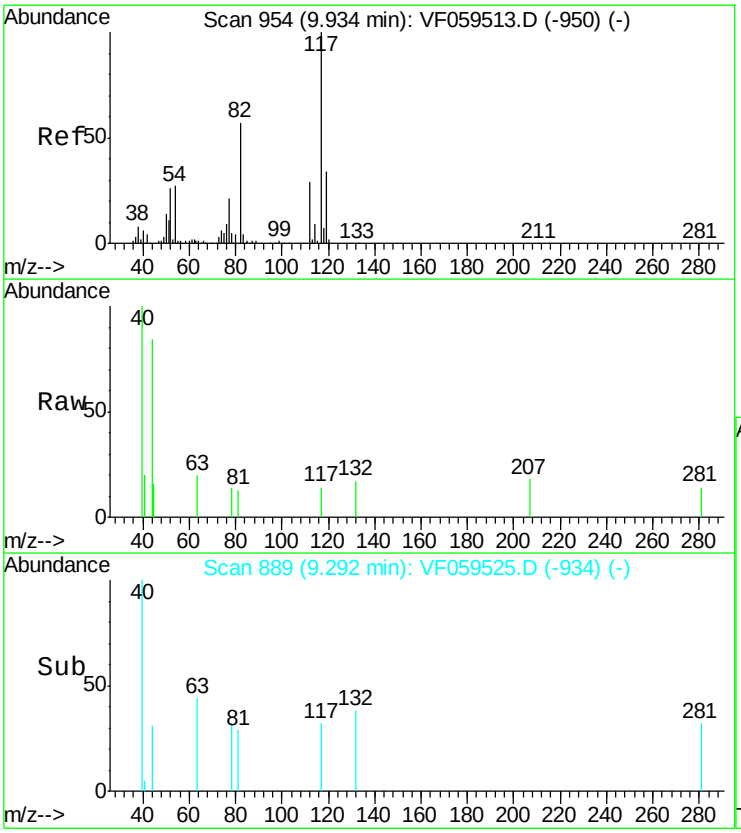
#62
4-Bromofluorobenzene
Concen: 85.99 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.62 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument : MSVOA_F
ClientSampleId : FS-RT-4917RE

Tgt Ion: 95 Resp: 62

Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	174.4
176	0.0	0.0	169.4

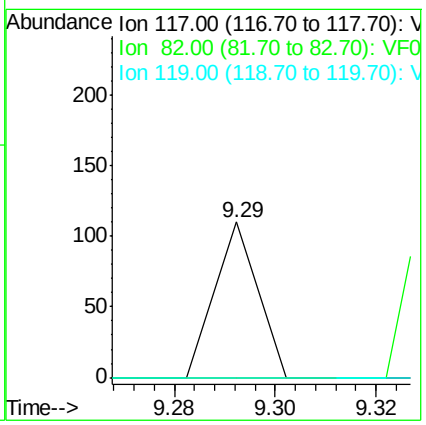


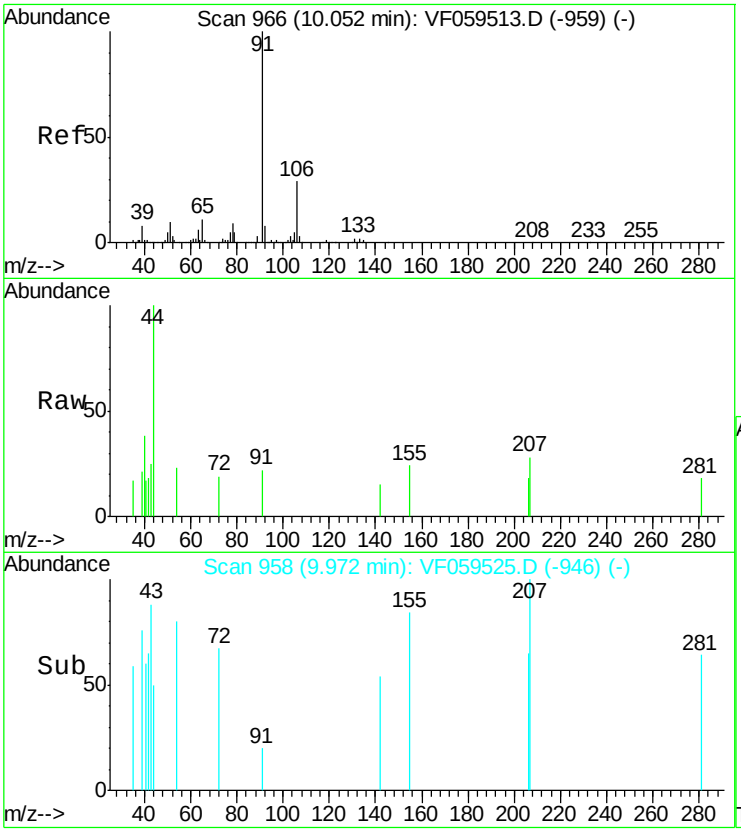


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.29 min Scan# 889
Delta R.T. -0.64 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion:117 Resp: 65

Ion	Ratio	Lower	Upper
117	100		
82	0.0	46.1	69.1#
119	0.0	27.2	40.8#



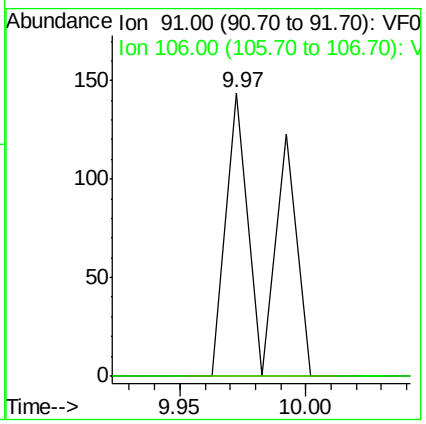


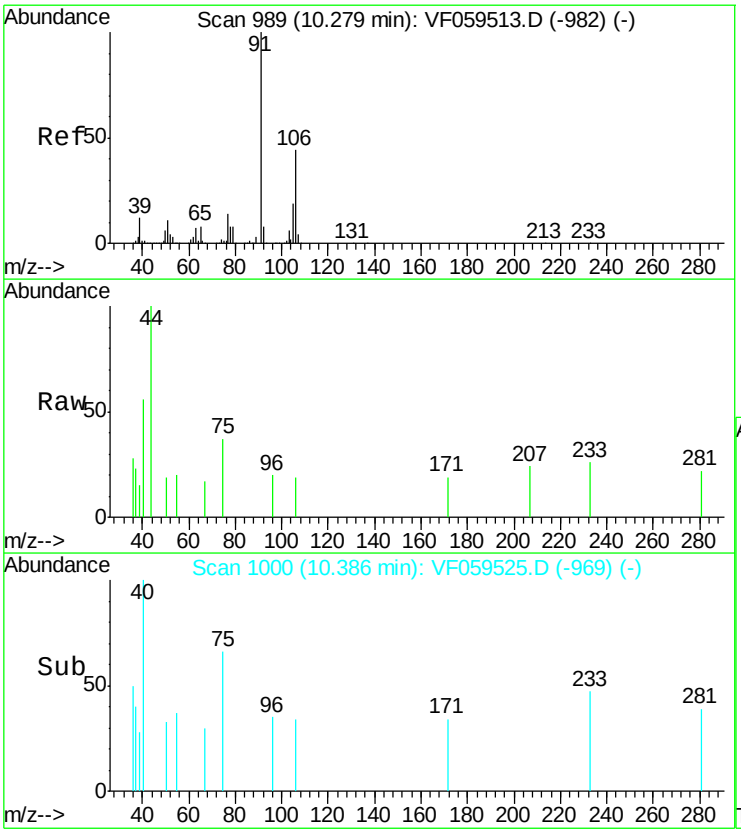
#67
Ethyl Benzene
Concen: 72.81 ug/l
RT: 9.97 min Scan# 958
Delta R.T. -0.08 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE

Tgt Ion: 91 Resp: 158

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.4	35.2#

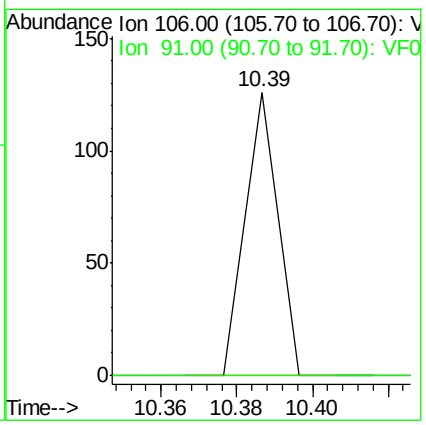


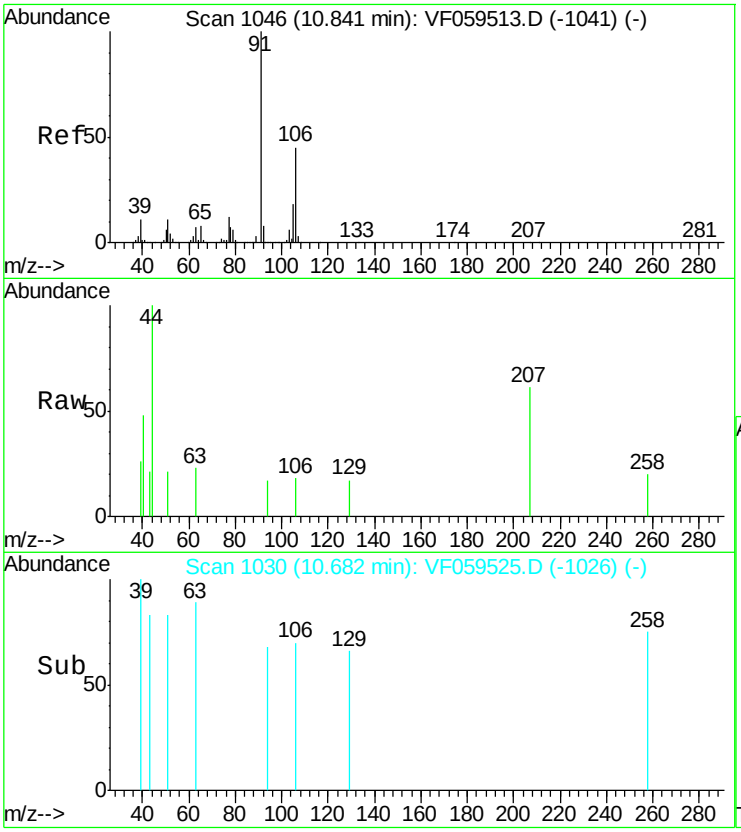


#68
m/p-Xylenes
Concen: 96.62 ug/l
RT: 10.39 min Scan# 1000
Delta R.T. 0.11 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion:106 Resp: 74

Ion	Ratio	Lower	Upper
106	100		
91	0.0	181.0	271.4#



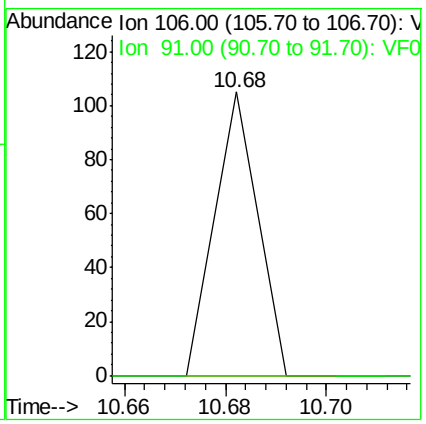


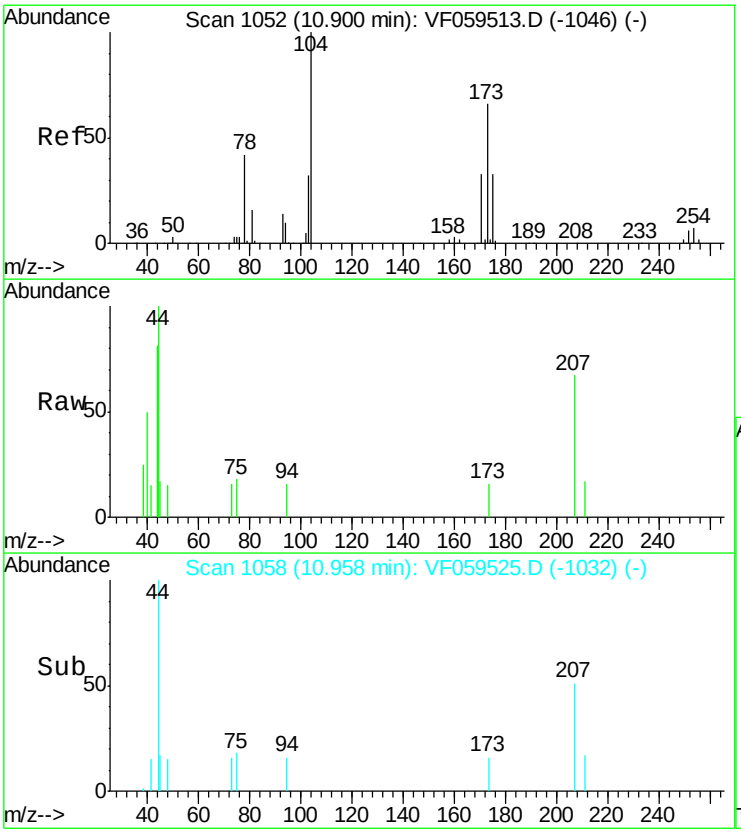
#69
o-Xylene
Concen: 76.03 ug/l
RT: 10.68 min Scan# 1030
Delta R.T. -0.16 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE

Tgt Ion:106 Resp: 62

Ion	Ratio	Lower	Upper
106	100		
91	0.0	112.3	336.9#

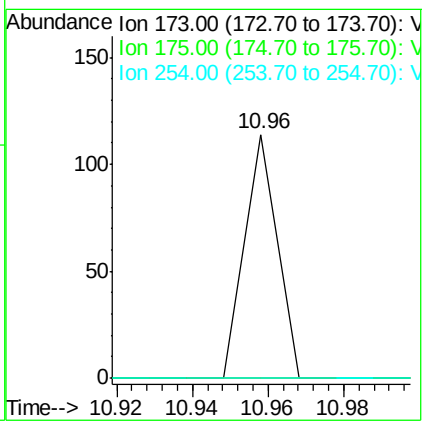


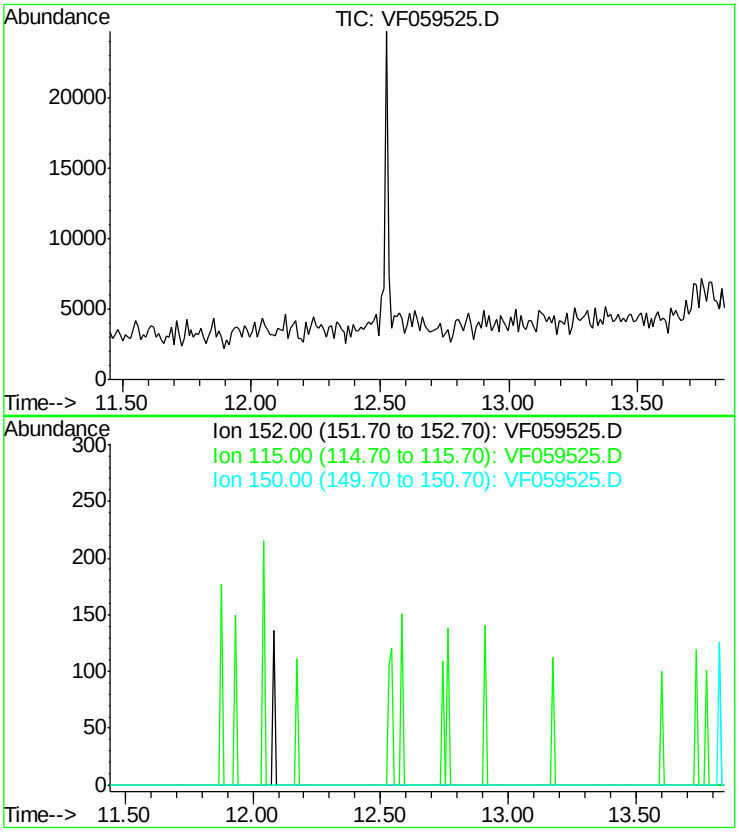


#71
Bromoform
Concen: 173.72 ug/l
RT: 10.96 min Scan# 1058
Delta R.T. 0.06 min
Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion:173 Resp: 67

Ion	Ratio	Lower	Upper
173	100		
175	0.0	25.3	75.8#
254	0.0	0.0	0.0





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

Lab File: VF059525.D
Acq: 18 Jul 2018 21:16

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	55.5
150	159.2

Instrument :
MSVOA_F
ClientSampleId :
FS-RT-4917RE