Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF071918\
Data File : VF059581.D
Acq On : 20 Jul 2018 3:20
Operator : VA/AP
Sample : J4062-13
Misc : 1.65g/5mL/MSVOA_F/SOIL
ALS Vial : 73 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Jul 20 07:10:43 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	5.62	114	84	50.00	ug/l	-0.17
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.93
72) 1,4-Dichlorobenzene-d4	12.60	152	60	50.00	ug/l	-0.05
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
35) Dibromofluoromethane	4.29	113	89	122.34	ug/l	-0.02
Spiked Amount 50.000			Recovery =	244.68%		
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
62) 4-Bromofluorobenzene	11.26	95	86	89.46	ug/l	-0.26
Spiked Amount 50.000			Recovery =	178.92%		
Target Compounds						Qvalue
37) Ethyl Acetate	4.19	43	225	554.771	ug/l #	41
39) Methylcyclohexane	5.60	83	127	199.033	ug/l #	56
40) Benzene	4.67	78	77	47.206	ug/l #	51
41) Methacrylonitrile	4.70	41	90	373.268	ug/l #	27
43) Isopropyl Acetate	6.93	43	140	231.725	ug/l #	51
45) 1,2-Dichloropropane	6.35	63	189	417.461	ug/l #	42
46) Dibromomethane	6.23	93	61	147.949	ug/l #	3
48) Methyl methacrylate	6.75	41	62	143.689	ug/l #	13
51) 4-Methyl-2-Pentanone	8.17	43	203	474.008	ug/l #	40
53) t-1,3-Dichloropropene	8.16	75	69	70.680	ug/l #	43
54) cis-1,3-Dichloropropene	7.25	75	66	67.899	ug/l #	74
56) Ethyl methacrylate	8.61	69	162	284.998	ug/l #	13
57) 1,3-Dichloropropane	8.78	76	60	74.029	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.49	63	74	1474.567	ug/l	100
59) 2-Hexanone	9.39	43	63	194.646	ug/l #	30
61) 1,2-Dibromoethane	9.04	107	68	119.563	ug/l #	2
74) N-amyl acetate	11.46	43	68	56.080	ug/l #	48
76) 1,2,3-Trichloropropane	11.87	75	62	91.942	ug/l #	38
78) n-propylbenzene	11.83	91	88	20.263	ug/l #	53
79) 2-Chlorotoluene	11.83	91	88	32.896	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.96	105	72	22.695	ug/l #	29
81) trans-1,4-Dichloro-2-buten	11.94	75	88	285.676	ug/l #	6
82) 4-Chlorotoluene	12.12	91	85	28.358	ug/l #	46
83) tert-Butylbenzene	12.19	119	102	33.499	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.24	105	72	22.059	ug/l #	31
85) sec-Butylbenzene	12.40	105	65	16.786	ug/l #	56
86) p-Isopropyltoluene	12.53	119	64	18.996	ug/l #	50
89) n-Butylbenzene	12.96	91	130	41.229	ug/l #	30
90) Hexachloroethane	12.85	117	84	109.759	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	13.73	75	64	342.095	ug/l #	8
95) Naphthalene	14.56	128	70	31.848	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.64	180	94	98.330	ug/l #	60

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
Data File : VF059581.D
Acq On : 20 Jul 2018 3:20
Operator : VA/AP
Sample : J4062-13
Misc : 1.65g/5mL/MSVOA F/SOIL
ALS Vial : 73 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 20 07:10:43 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)

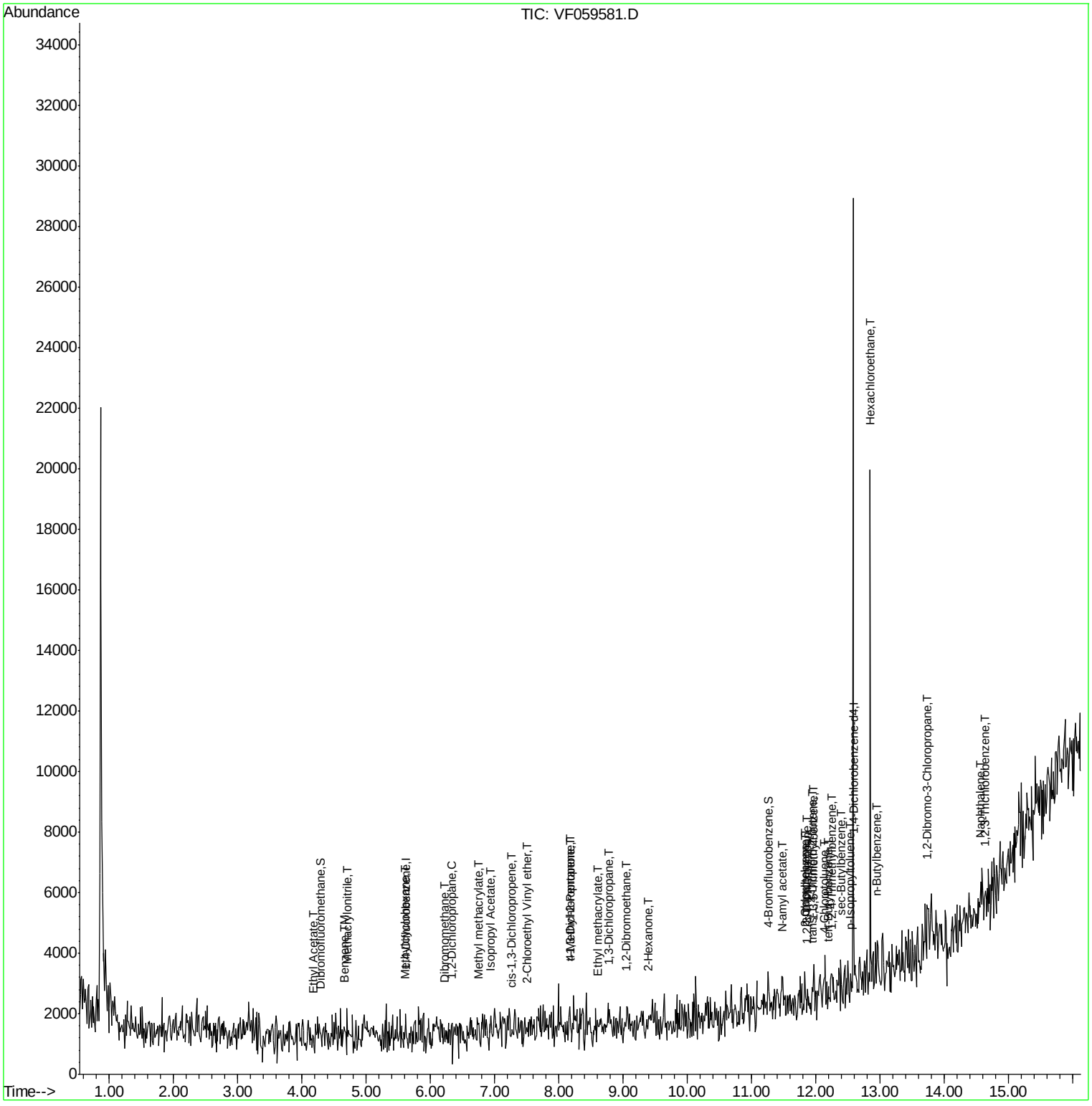
(#) = qualifier out of range (m) = manual integration (+) = signals summed

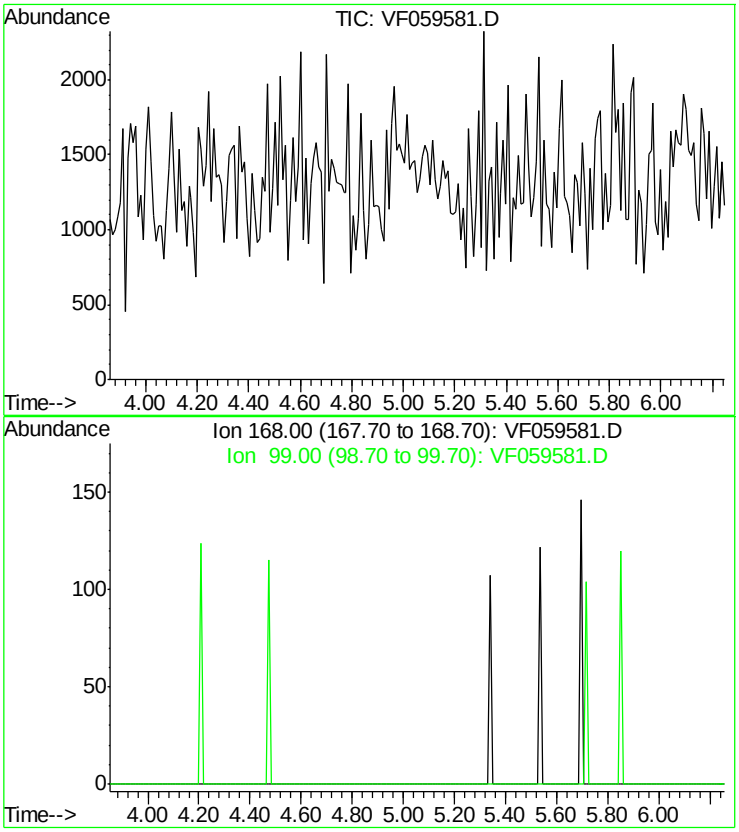
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
Data File : VF059581.D
Acq On : 20 Jul 2018 3:20
Operator : VA/AP
Sample : J4062-13
Misc : 1.65g/5mL/MSVOA F/SOIL
ALS Vial : 73 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 20 07:10:43 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





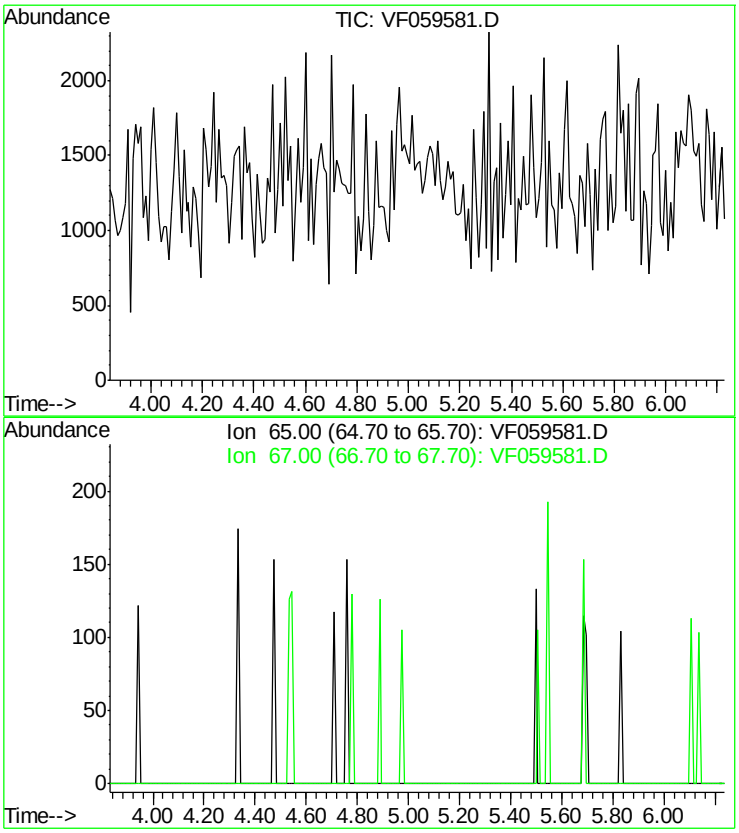
#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 5.05 min

Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 168

Sig	Exp Ratio
168	100
99	72.0

Instrument :
MSVOA_F
ClientSampleId :

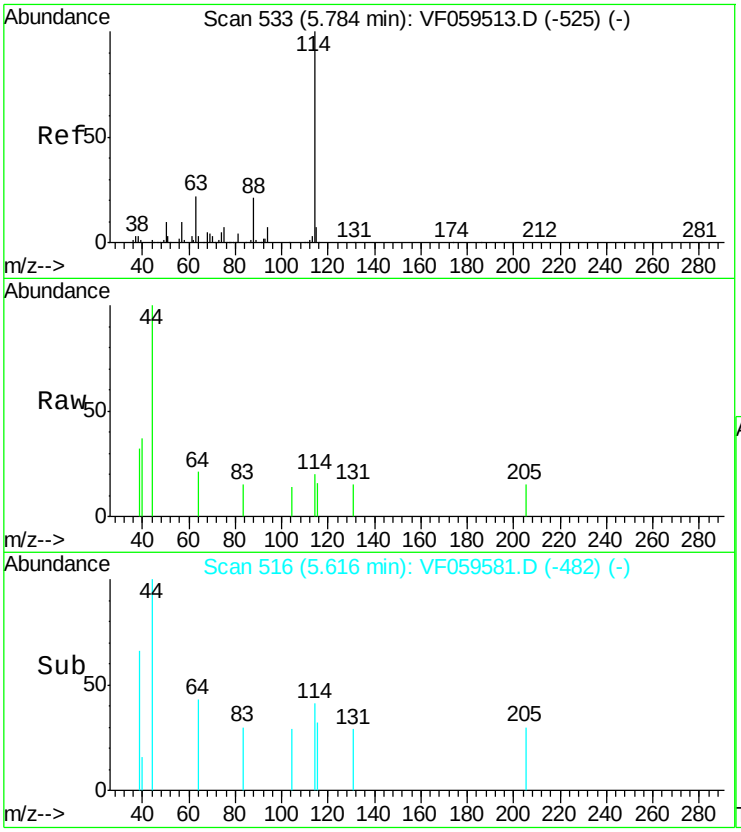


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.04 min

Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	45.6

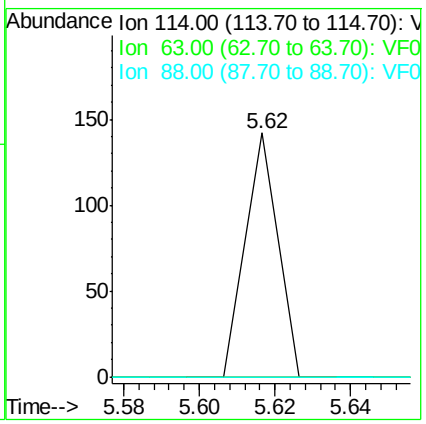


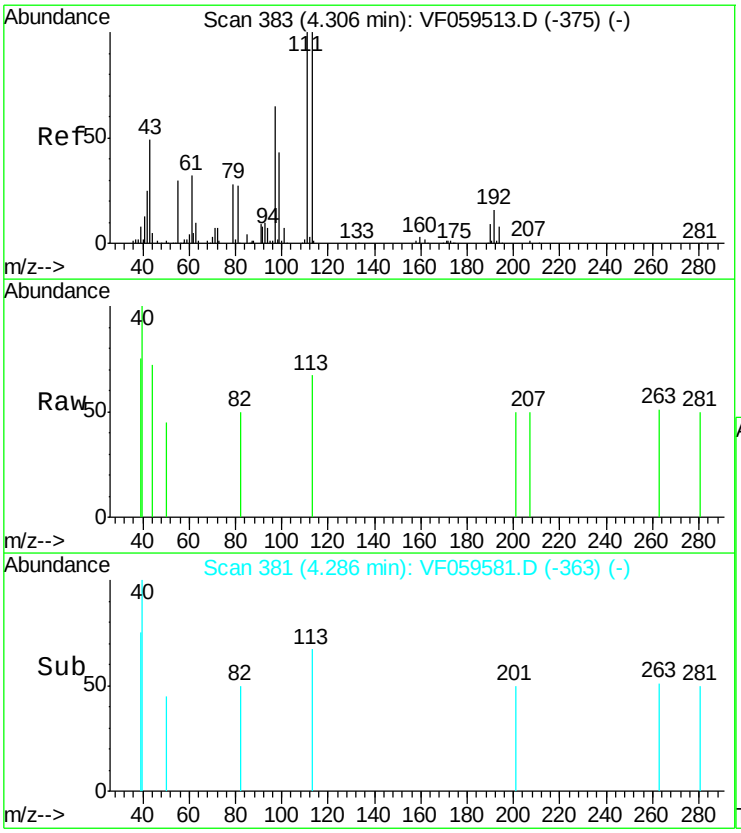
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.17 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:114 Resp: 84

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

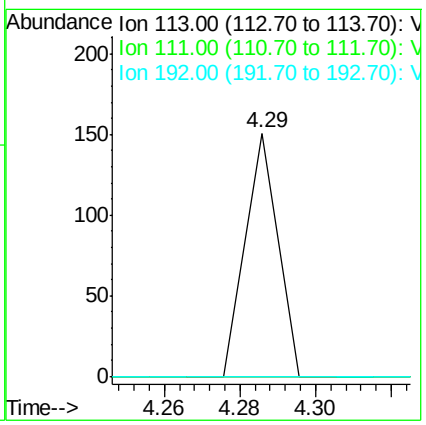


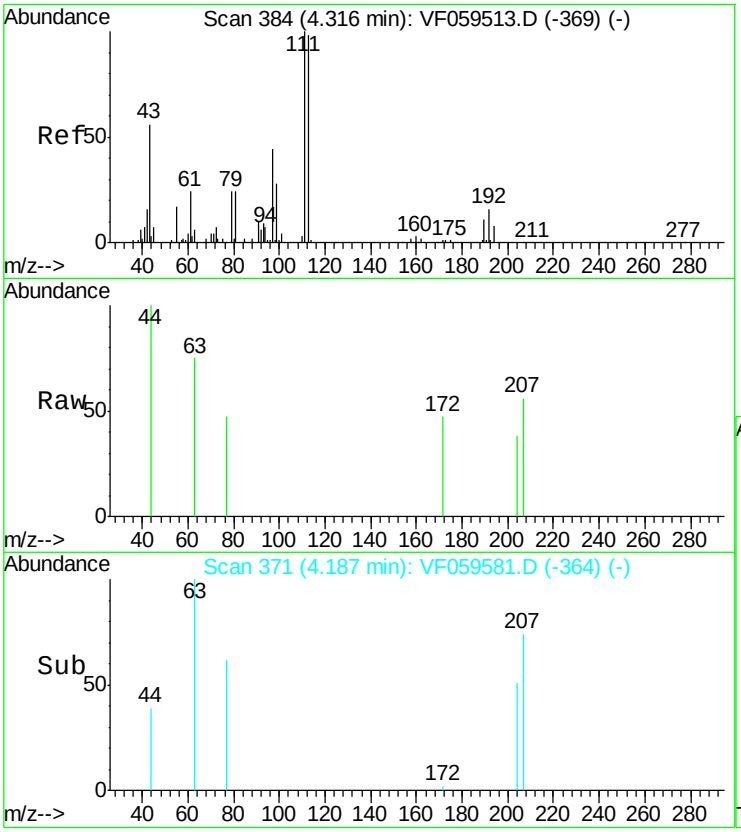


#35
Dibromofluoromethane
Concen: 122.336 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion:113 Resp: 89

Ion	Ratio	Lower	Upper
113	100		
111	0.0	80.3	120.5#
192	0.0	13.1	19.7#



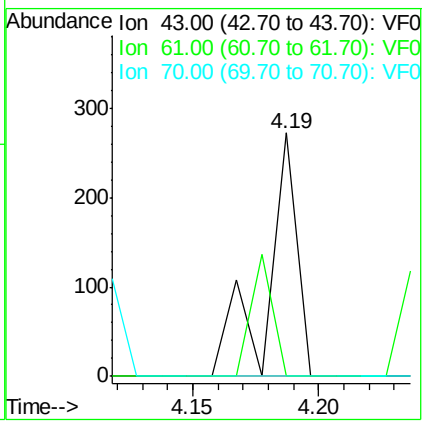


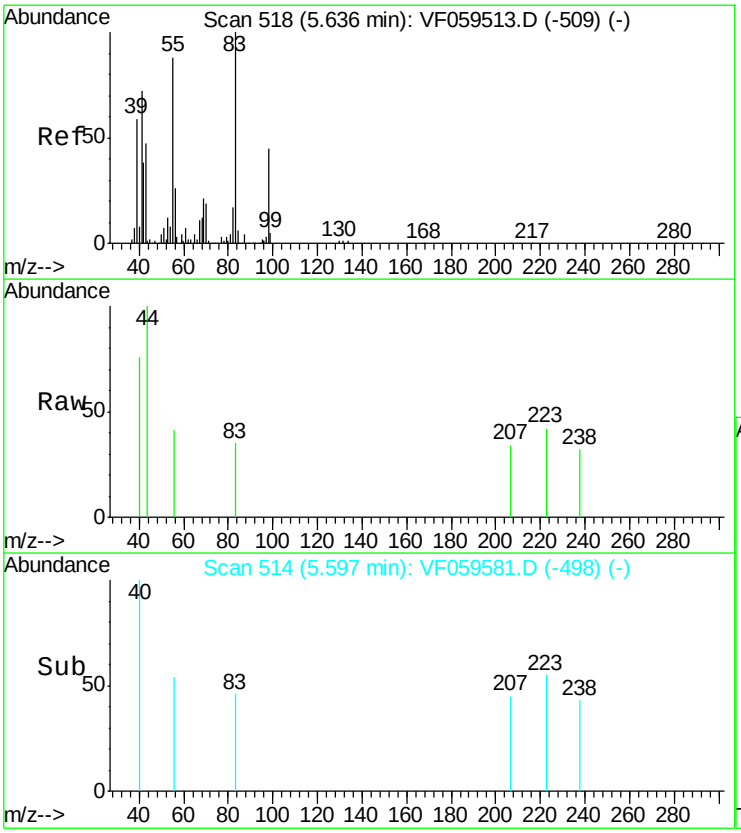
#37
Ethyl Acetate
Concen: 554.771 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.13 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 225

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

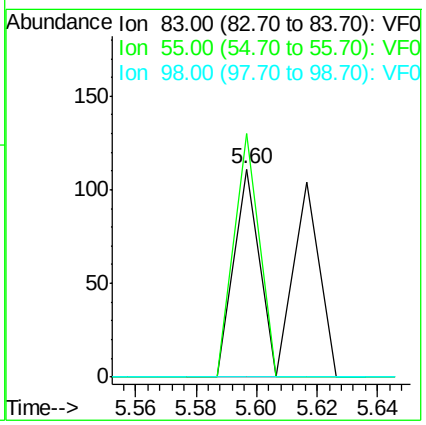


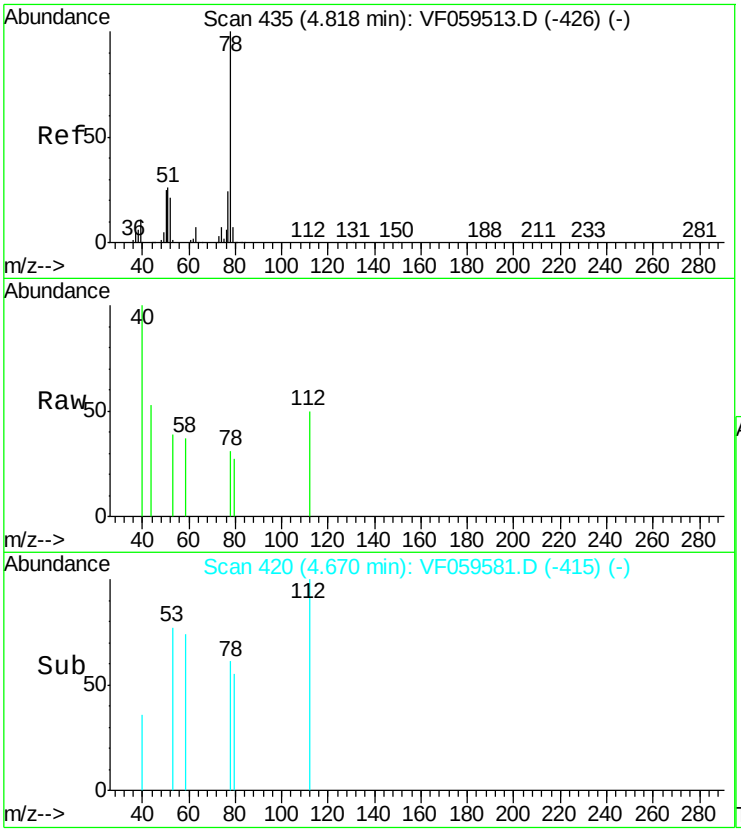


#39
Methylcyclohexane
Concen: 199.033 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.04 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 83 Resp: 127

Ion	Ratio	Lower	Upper
83	100		
55	117.1	70.2	105.4#
98	0.0	36.2	54.2#



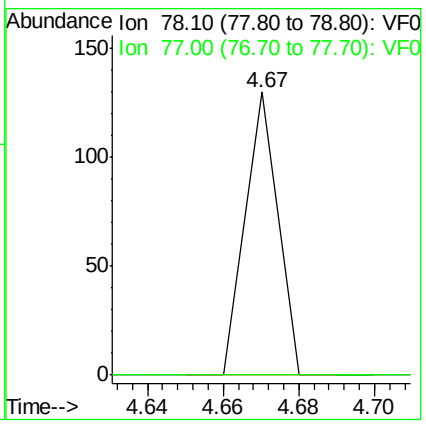


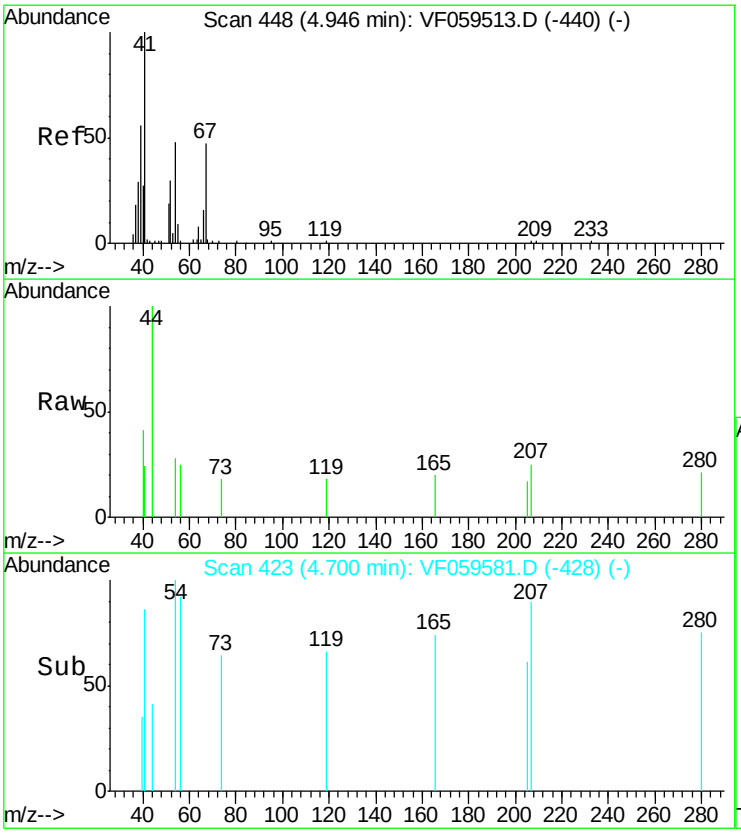
#40
Benzene
Concen: 47.206 ug/l
RT: 4.67 min Scan# 420
Delta R.T. -0.15 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 78 Resp: 77

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.4	29.0#

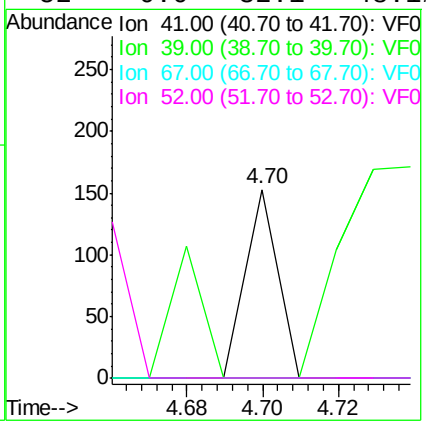


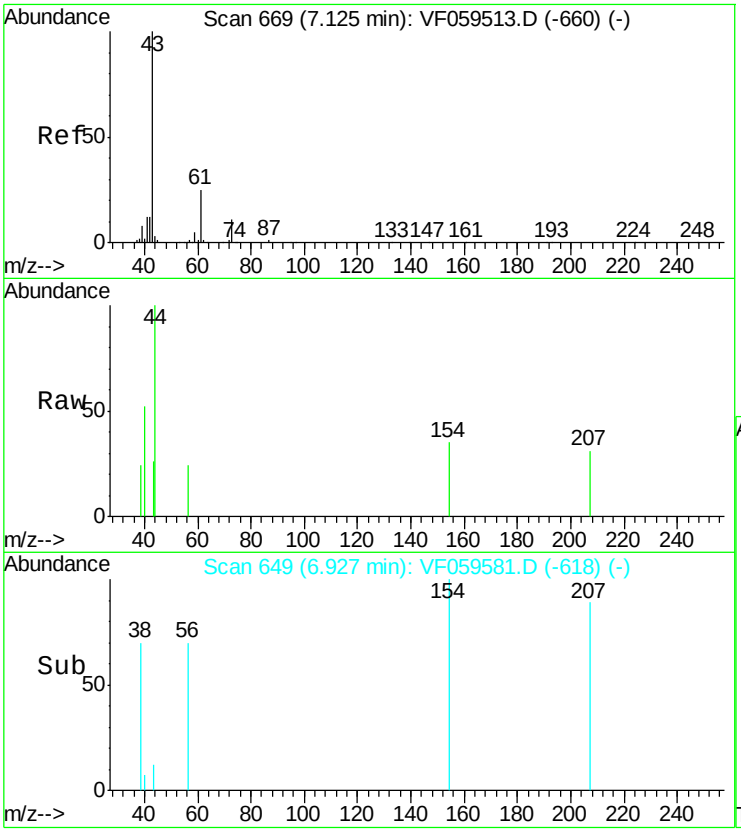


#41
Methacrylonitrile
Concen: 373.268 ug/l
RT: 4.70 min Scan# 423
Delta R.T. -0.25 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 41 Resp: 90

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



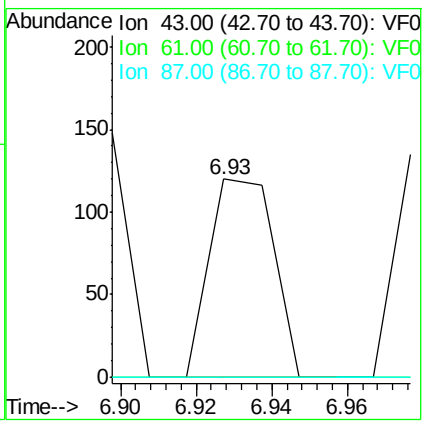


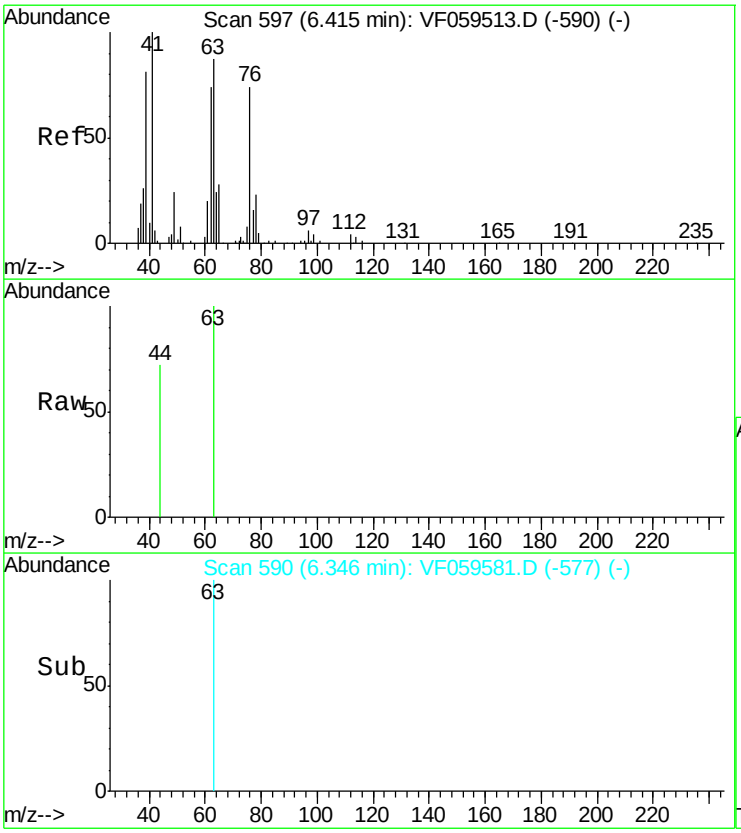
#43
Isopropyl Acetate
Concen: 231.725 ug/l
RT: 6.93 min Scan# 649
Delta R.T. -0.20 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 140

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

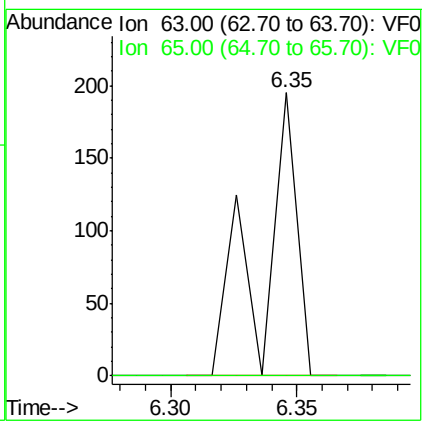


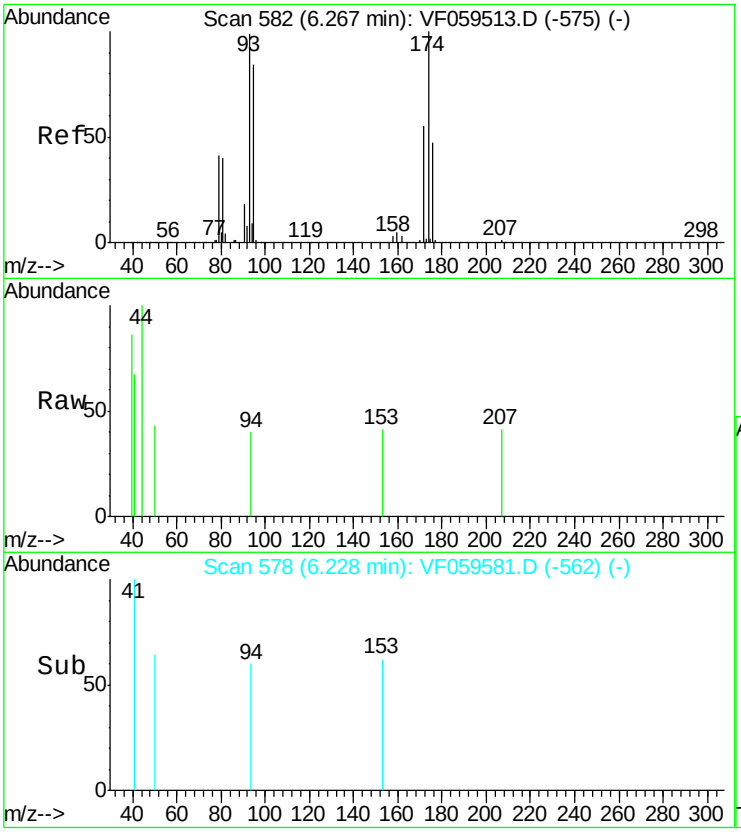


#45
1,2-Dichloropropane
Concen: 417.461 ug/l
RT: 6.35 min Scan# 590
Delta R.T. -0.07 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 63 Resp: 189

Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.1	39.1#



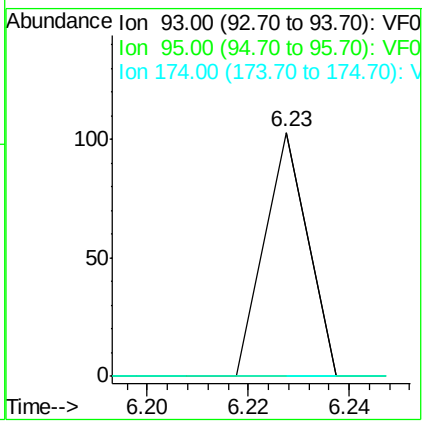


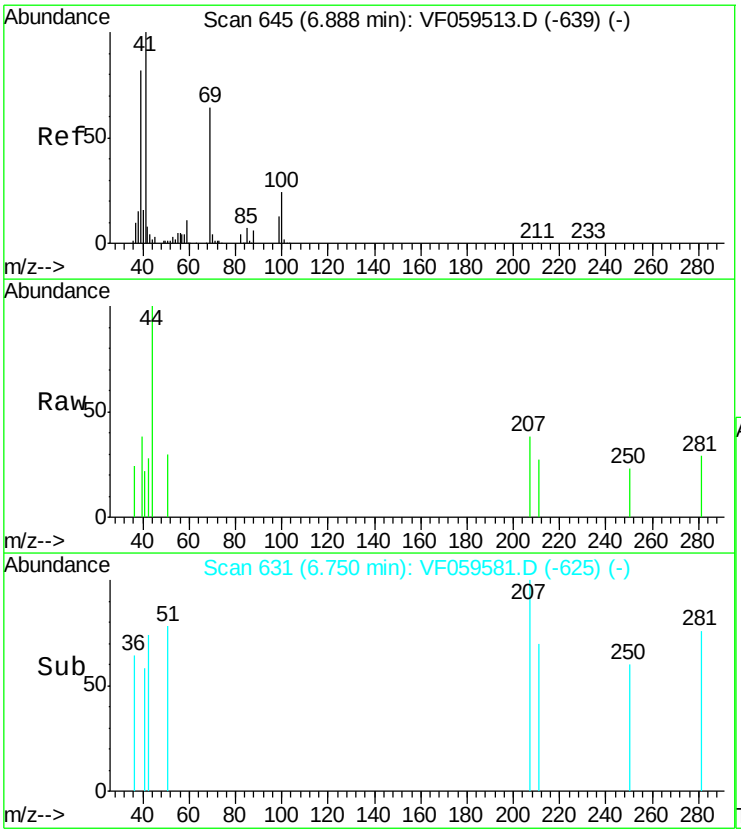
#46
Dibromomethane
Concen: 147.949 ug/l
RT: 6.23 min Scan# 578
Delta R.T. -0.04 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 93 Resp: 61

Ion	Ratio	Lower	Upper
93	100		
95	0.0	68.3	102.5#
174	0.0	81.2	121.8#

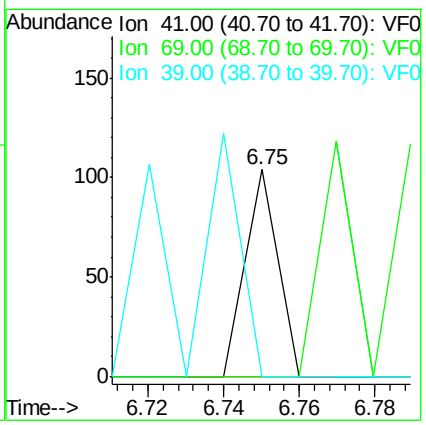


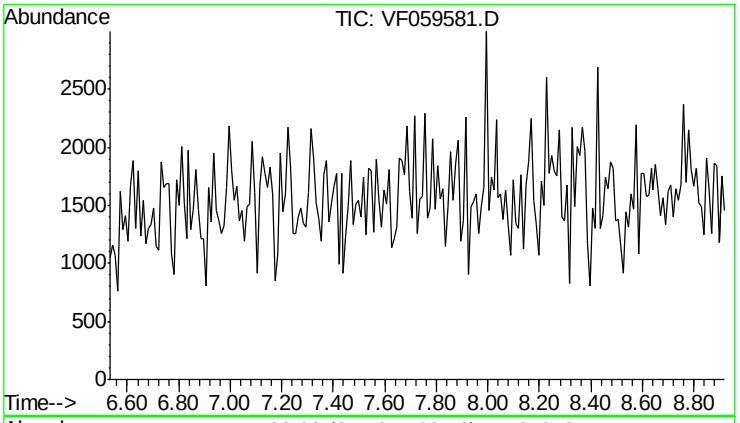


#48
Methyl methacrylate
Concen: 143.689 ug/l
RT: 6.75 min Scan# 631
Delta R.T. -0.14 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 41 Resp: 62

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





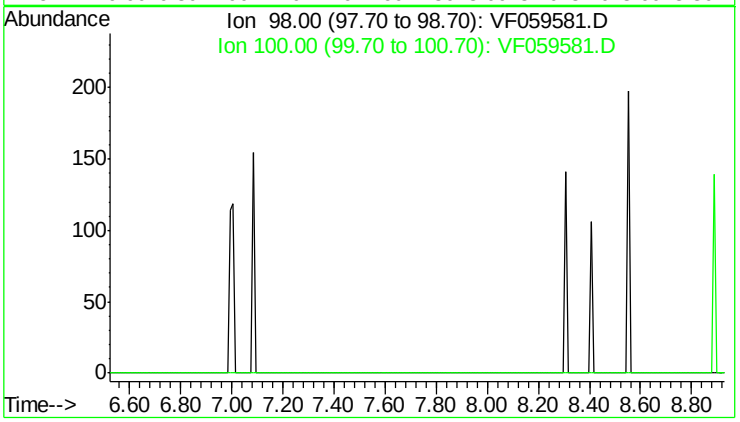
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.73 min

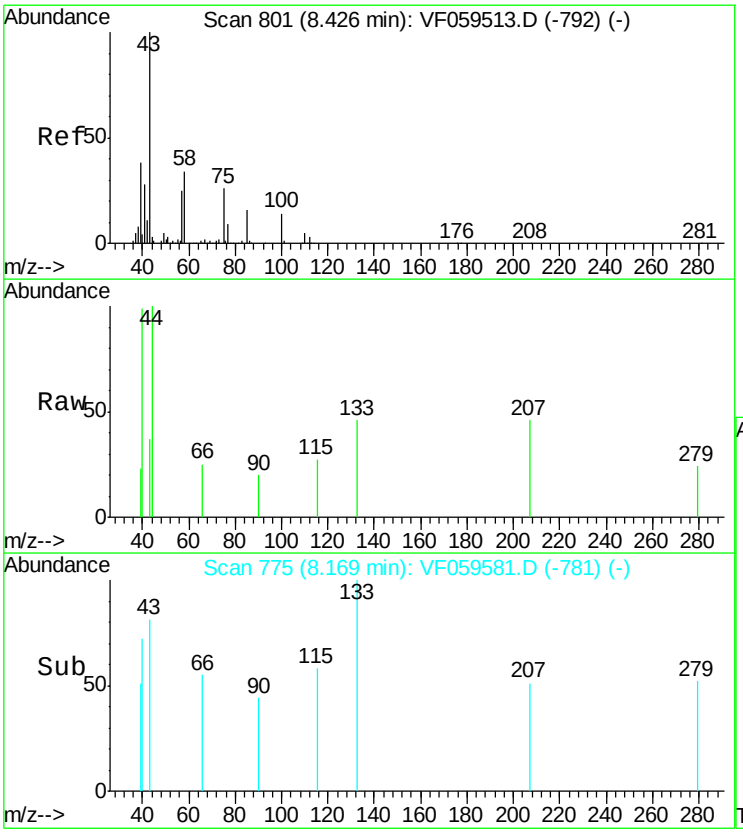
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	63.6

Instrument :
MSVOA_F
ClientSampleId :

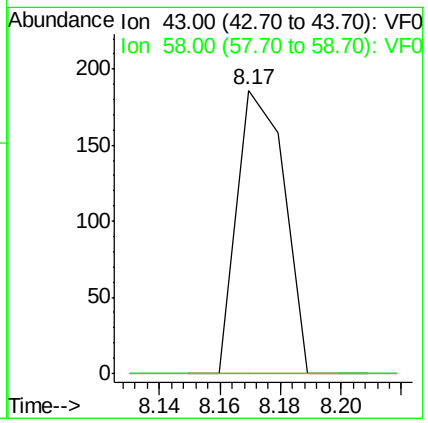


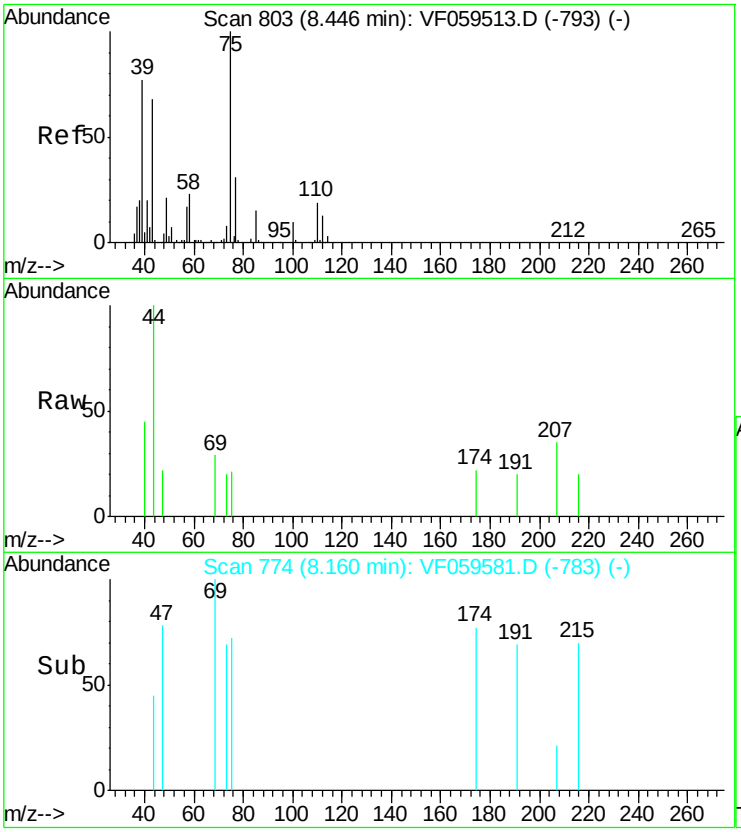


#51
4-Methyl-2-Pentanone
Concen: 474.008 ug/l
RT: 8.17 min Scan# 775
Delta R.T. -0.26 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 43 Resp: 203

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.4	41.2#



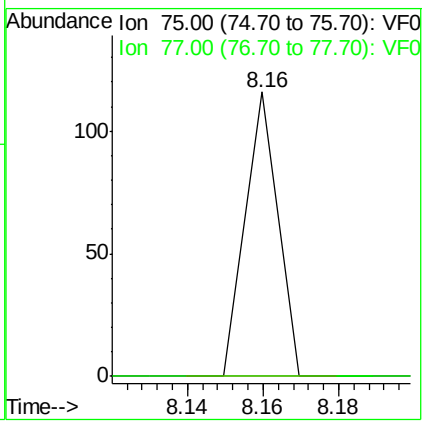


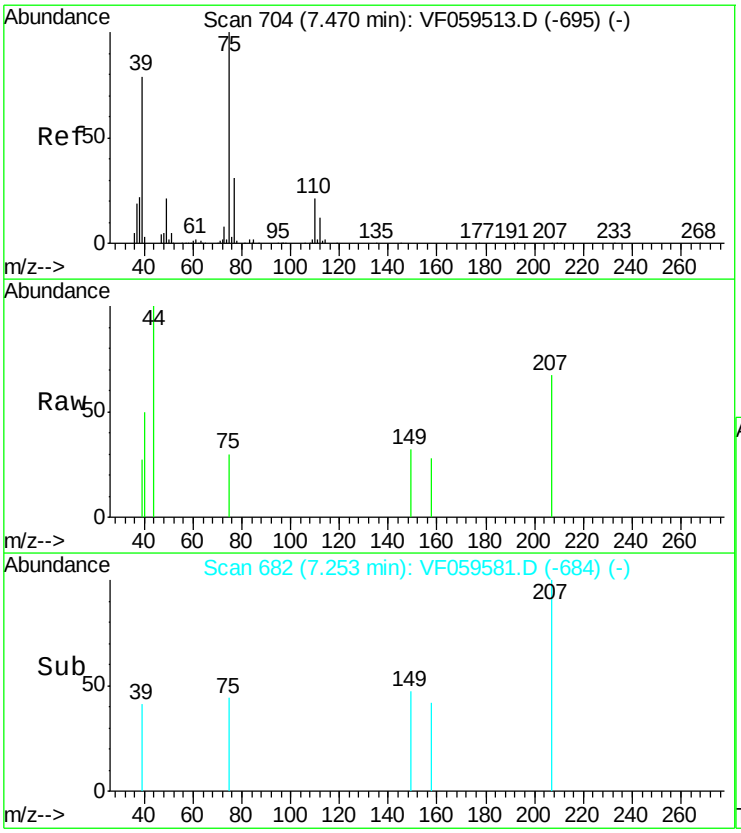
#53
t-1,3-Dichloropropene
Concen: 70.680 ug/l
RT: 8.16 min Scan# 774
Delta R.T. -0.29 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 75 Resp: 69

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.3	37.9#

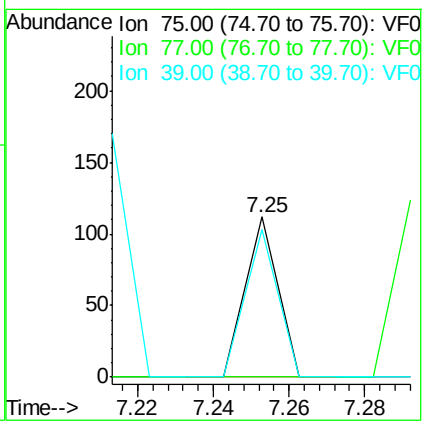


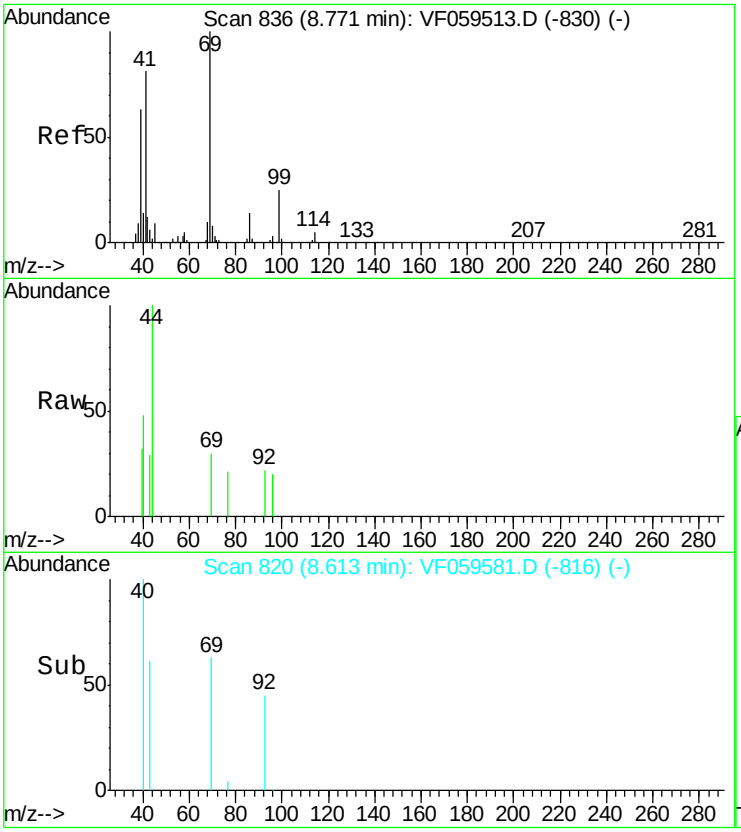


#54
cis-1,3-Dichloropropene
Concen: 67.899 ug/l
RT: 7.25 min Scan# 682
Delta R.T. -0.22 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 75 Resp: 66

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#
39	92.0	63.8	95.6



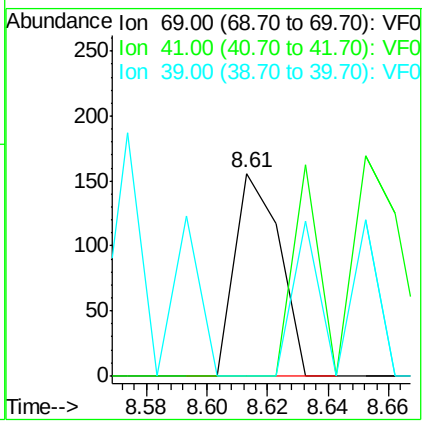


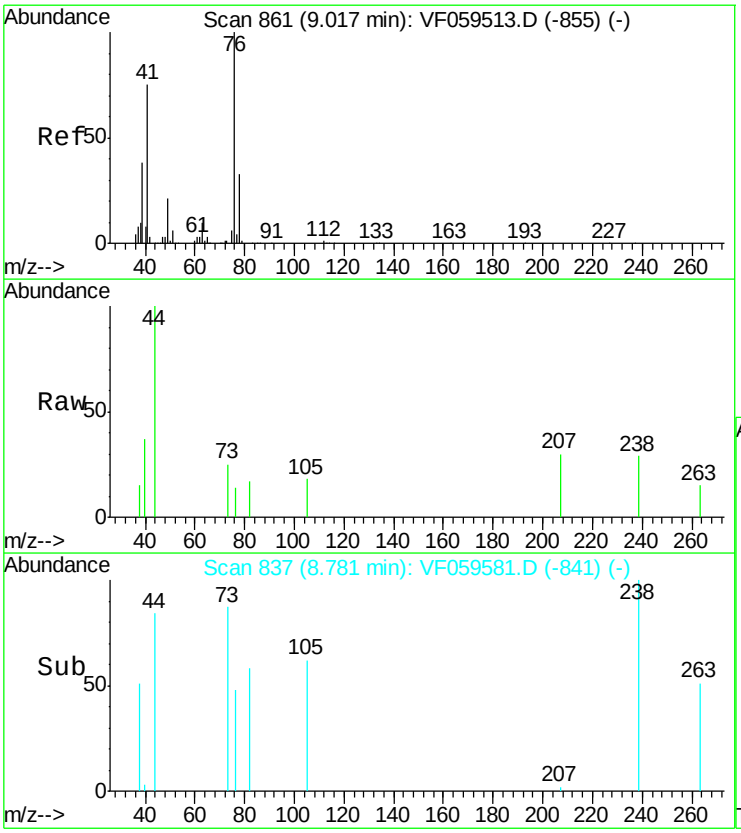
#56
Ethyl methacrylate
Concen: 284.998 ug/l
RT: 8.61 min Scan# 820
Delta R.T. -0.16 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 69 Resp: 162

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

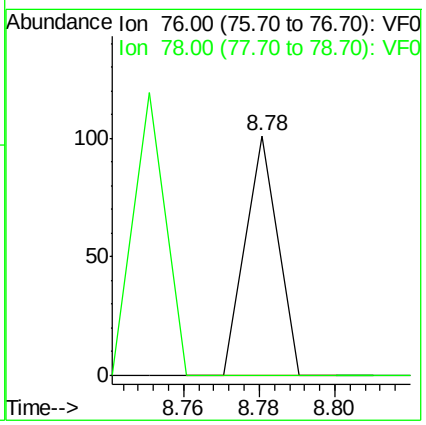


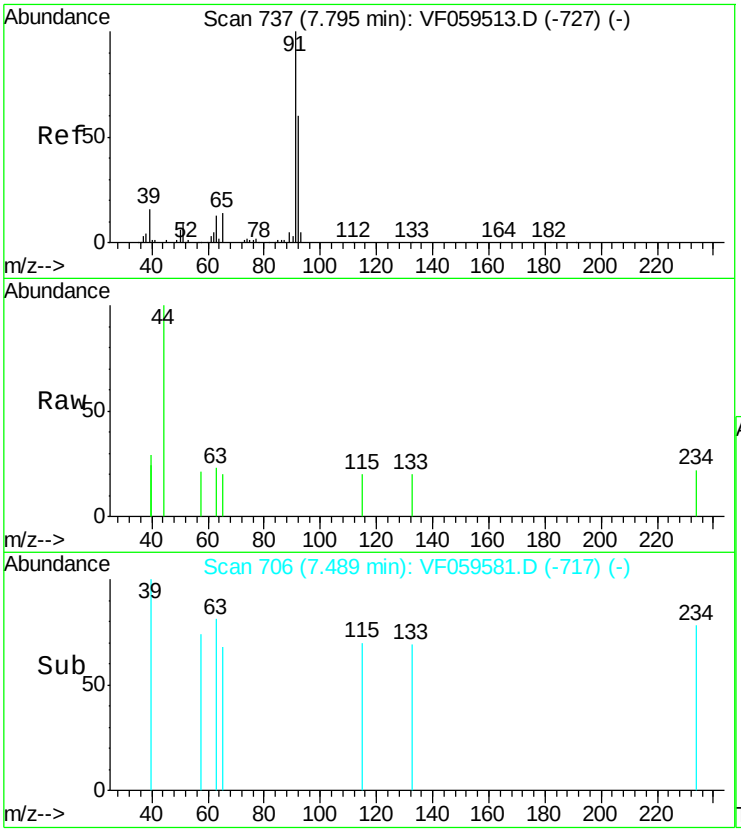


#57
1,3-Dichloropropane
Concen: 74.029 ug/l
RT: 8.78 min Scan# 837
Delta R.T. -0.24 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 76 Resp: 60

Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.4	39.6#



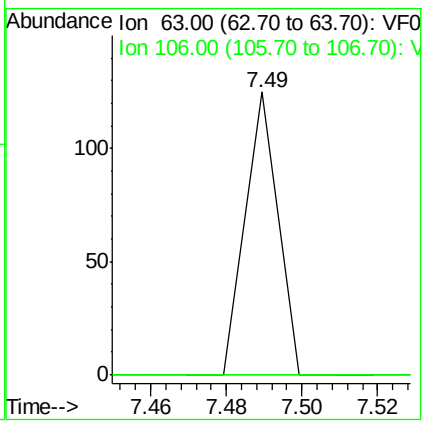


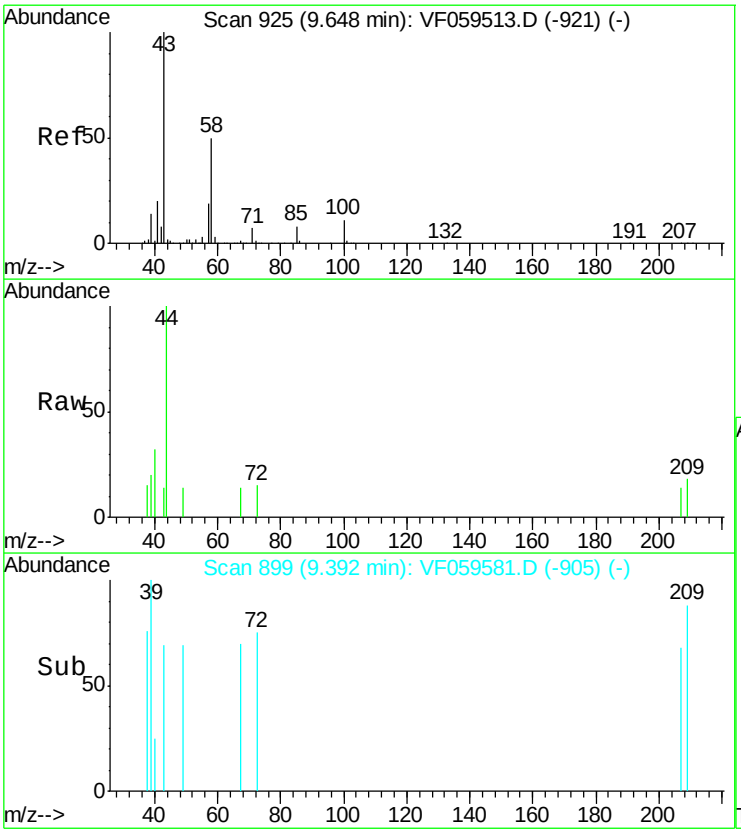
#58
2-Chloroethyl Vinyl ether
Concen: 1474.567 ug/l
RT: 7.49 min Scan# 706
Delta R.T. -0.31 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 63 Resp: 74

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

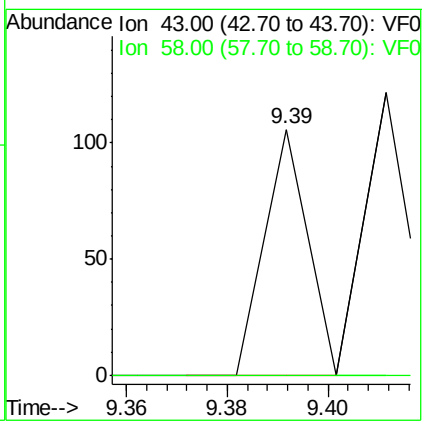


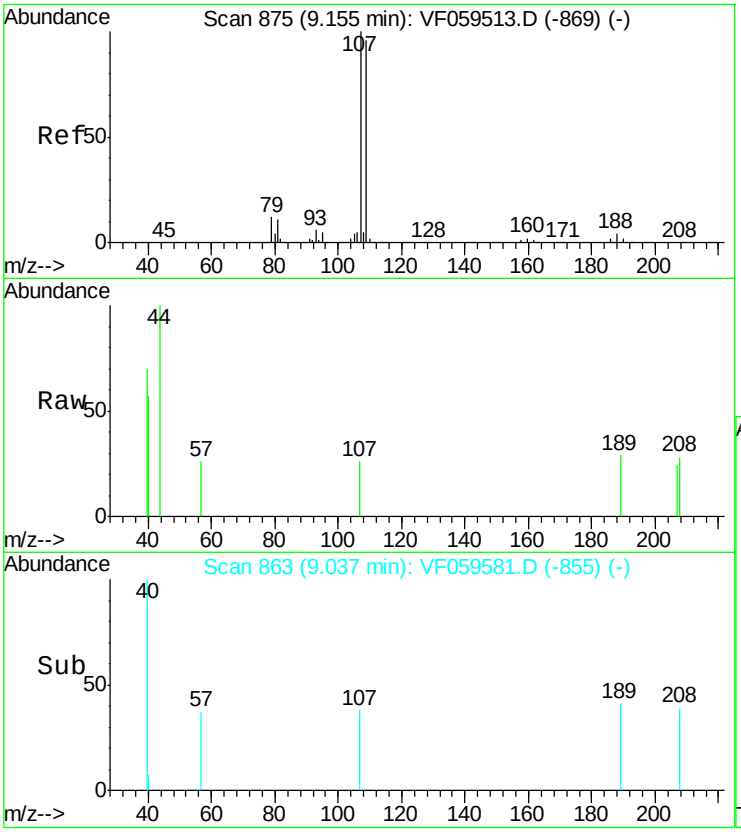


#59
2-Hexanone
Concen: 194.646 ug/l
RT: 9.39 min Scan# 899
Delta R.T. -0.26 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 43 Resp: 63

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.3	69.9#



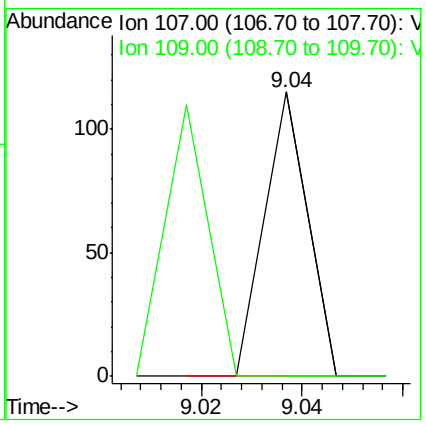


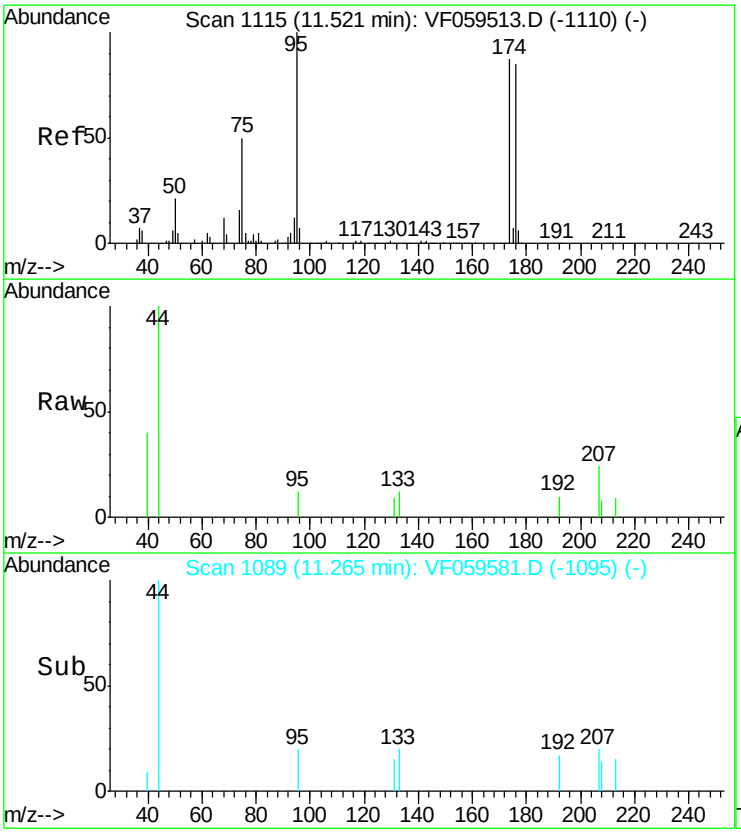
#61
1,2-Dibromoethane
Concen: 119.563 ug/l
RT: 9.04 min Scan# 863
Delta R.T. -0.12 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:107 Resp: 68

Ion	Ratio	Lower	Upper
107	100		
109	0.0	76.5	114.7#

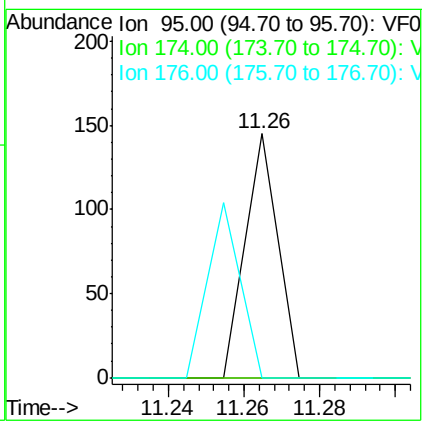


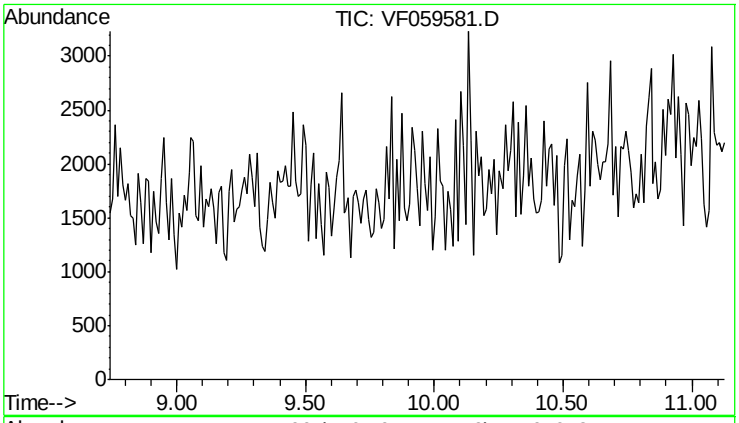


#62
4-Bromofluorobenzene
Concen: 89.458 ug/l
RT: 11.26 min Scan# 1089
Delta R.T. -0.26 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 95 Resp: 86

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





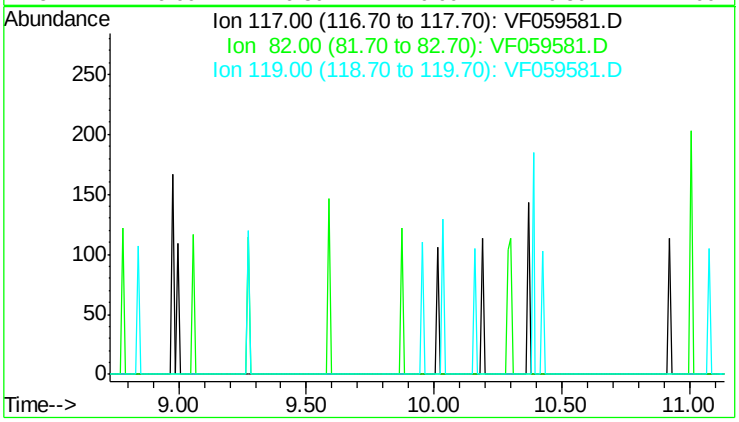
#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 9.93 min

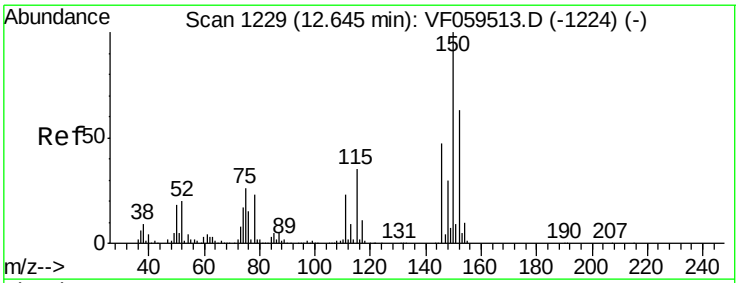
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

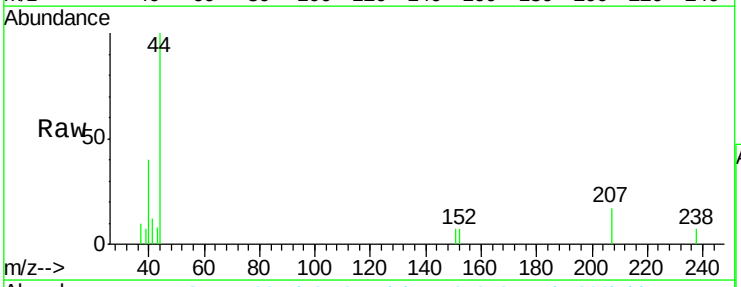
Instrument :
MSVOA_F
ClientSampleId :

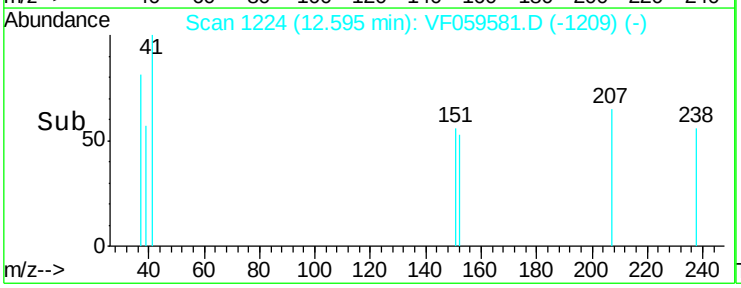
Tgt Ion: 117

Sig	Exp Ratio
117	100
82	57.6
119	34.0





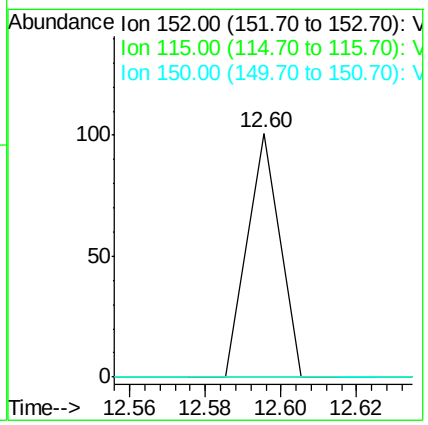


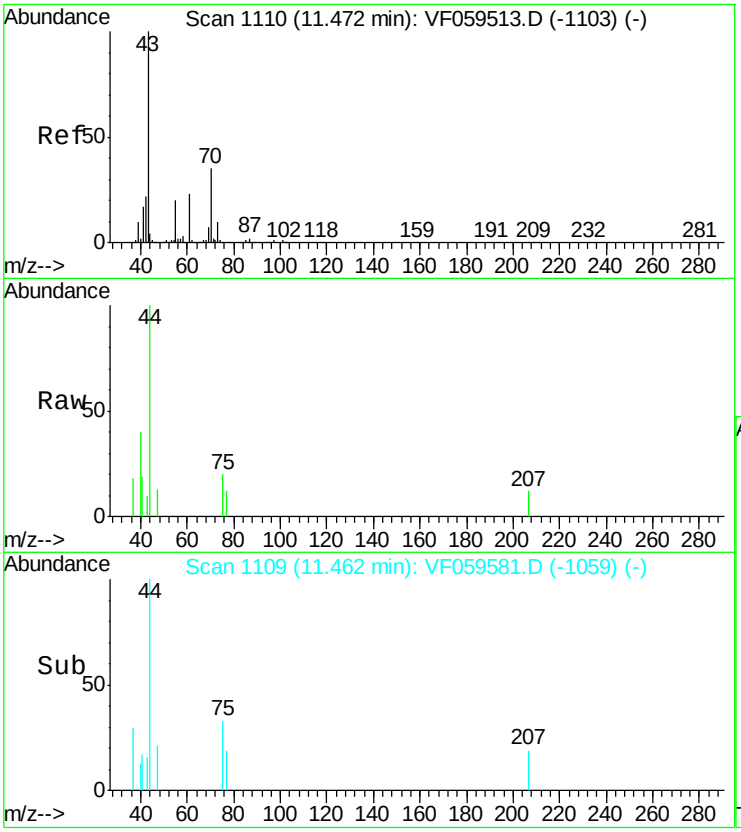


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.05 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion:152 Resp: 60

Ion	Ratio	Lower	Upper
152	100		
115	0.0	27.8	83.3#
150	0.0	0.0	318.4



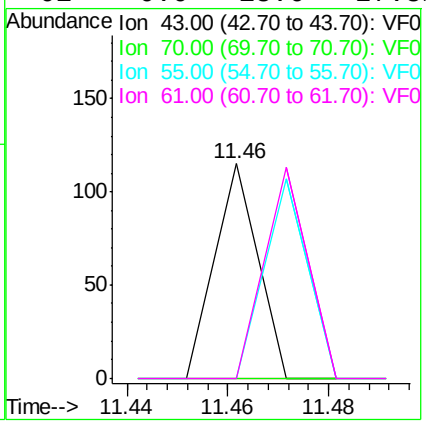


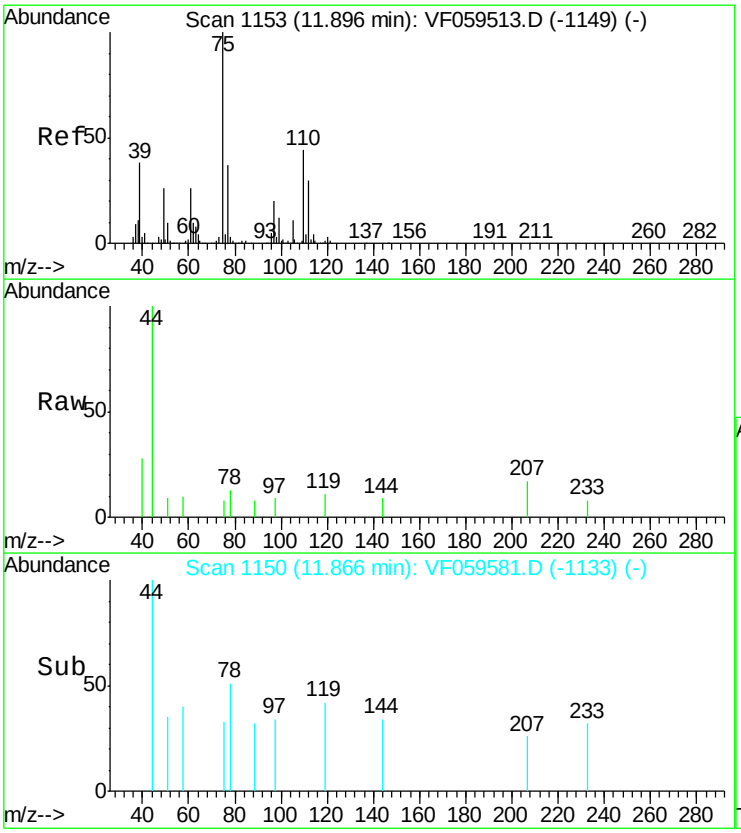
#74
N-amyl acetate
Concen: 56.080 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 68

Ion	Ratio	Lower	Upper
43	100		
70	0.0	27.9	41.9#
55	0.0	16.2	24.2#
61	0.0	18.6	27.8#

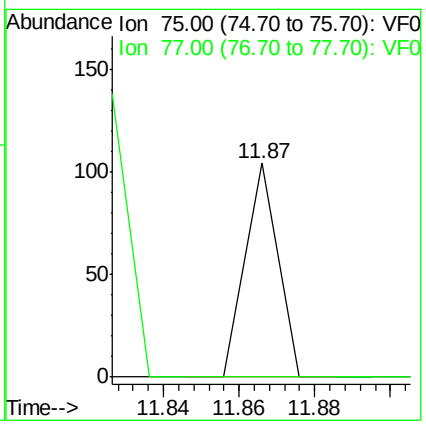


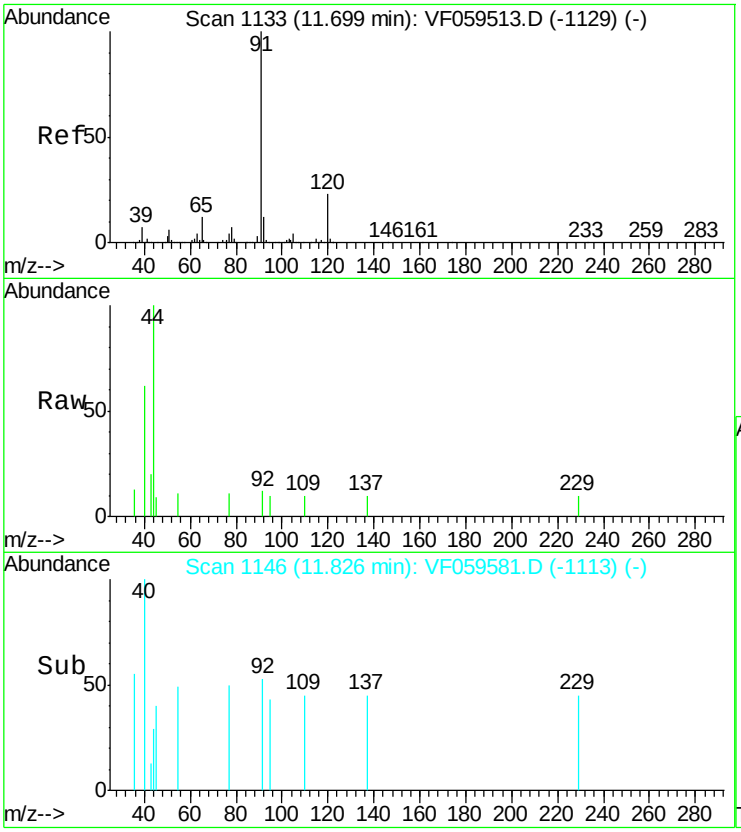


#76
1,2,3-Trichloropropane
Concen: 91.942 ug/l
RT: 11.87 min Scan# 1150
Delta R.T. -0.03 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 75 Resp: 62

Ion	Ratio	Lower	Upper
75	100		
77	0.0	18.7	56.1#



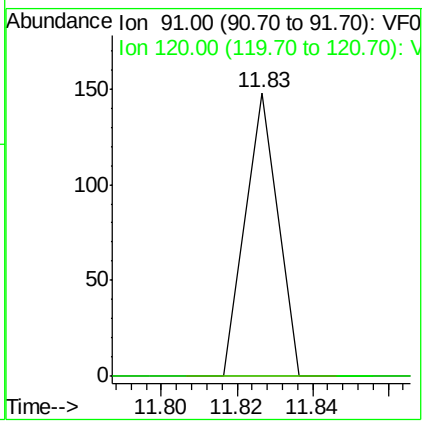


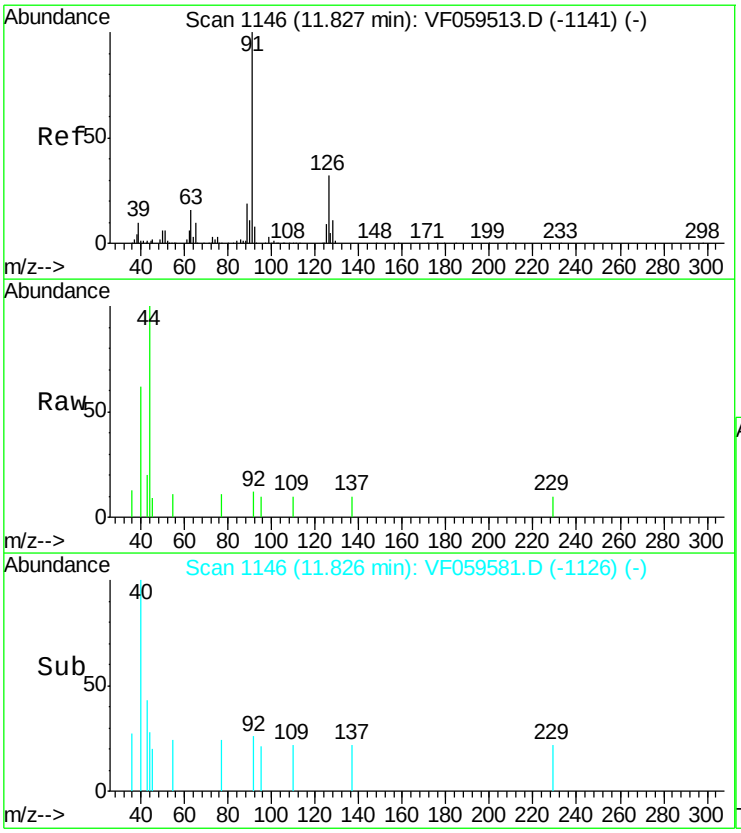
#78
n-propylbenzene
Concen: 20.263 ug/l
RT: 11.83 min Scan# 1146
Delta R.T. 0.13 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 91 Resp: 88

Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.3	33.9#

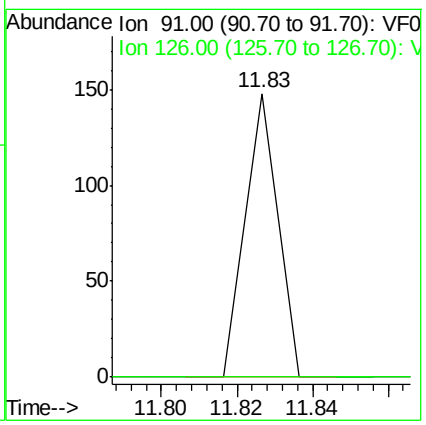


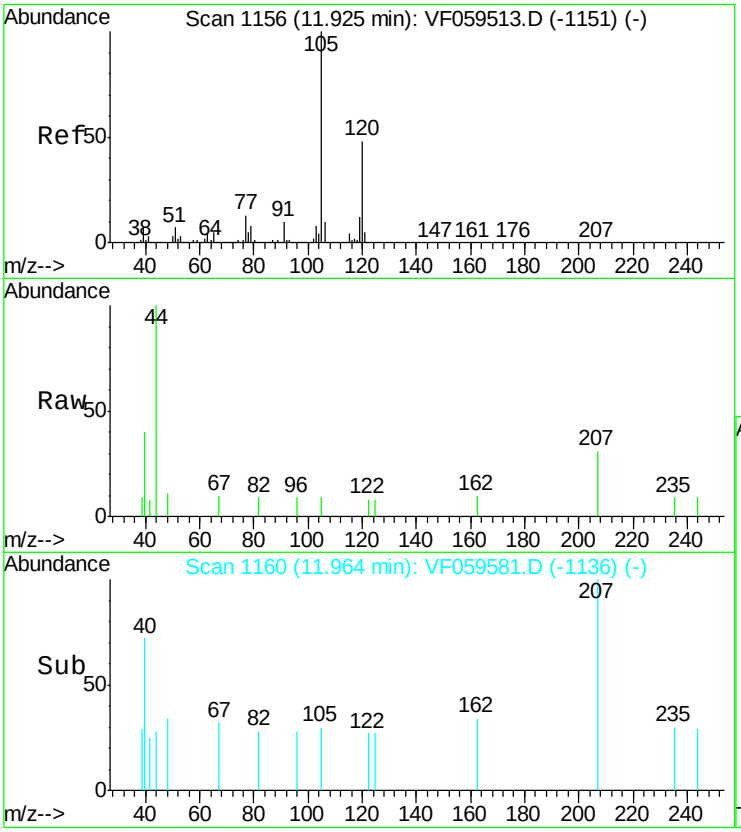


#79
2-Chlorotoluene
Concen: 32.896 ug/l
RT: 11.83 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 91 Resp: 88

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.7	47.1#



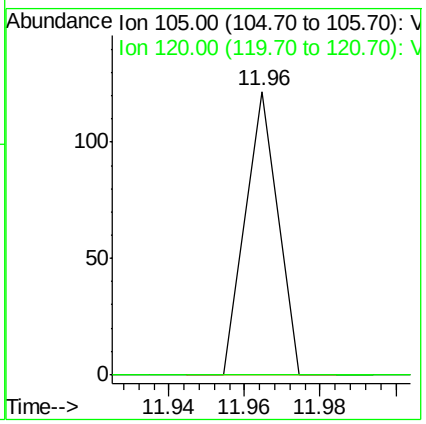


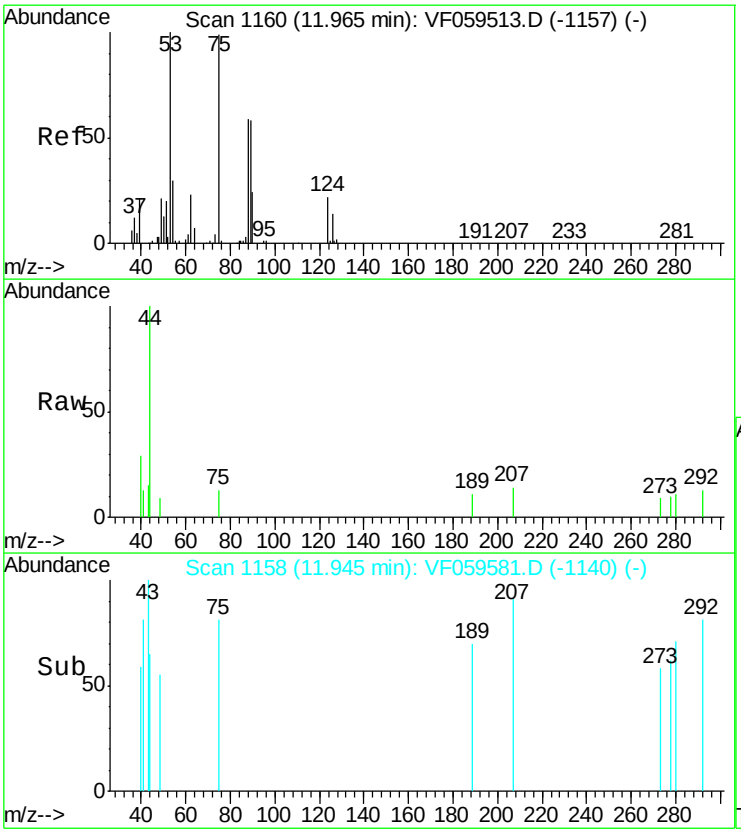
#80
1,3,5-Trimethylbenzene
Concen: 22.695 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. 0.04 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 72

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.1	72.4#

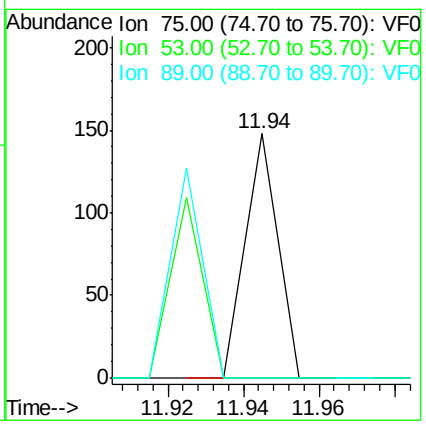


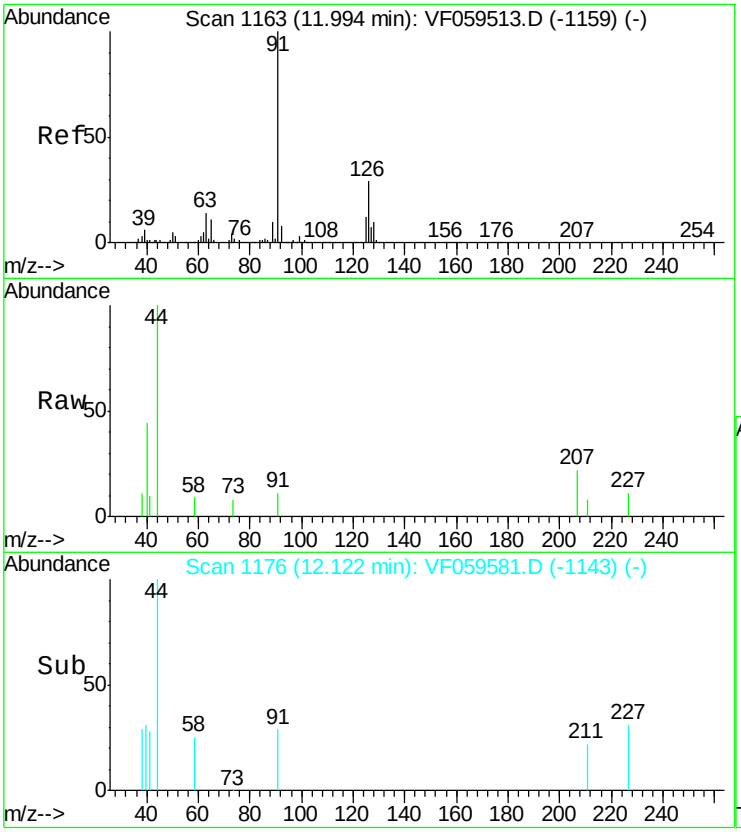


#81
trans-1,4-Dichloro-2-butene
Concen: 285.676 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. -0.02 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 75 Resp: 88

Ion	Ratio	Lower	Upper
75	100		
53	0.0	84.6	127.0#
89	0.0	48.2	72.4#



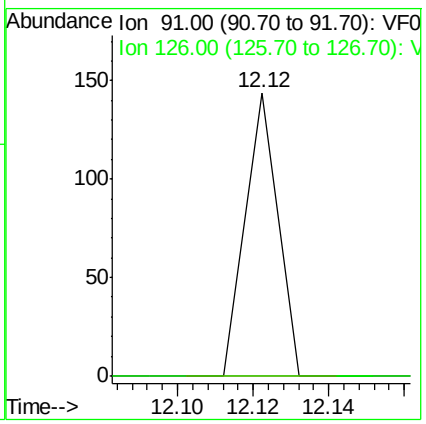


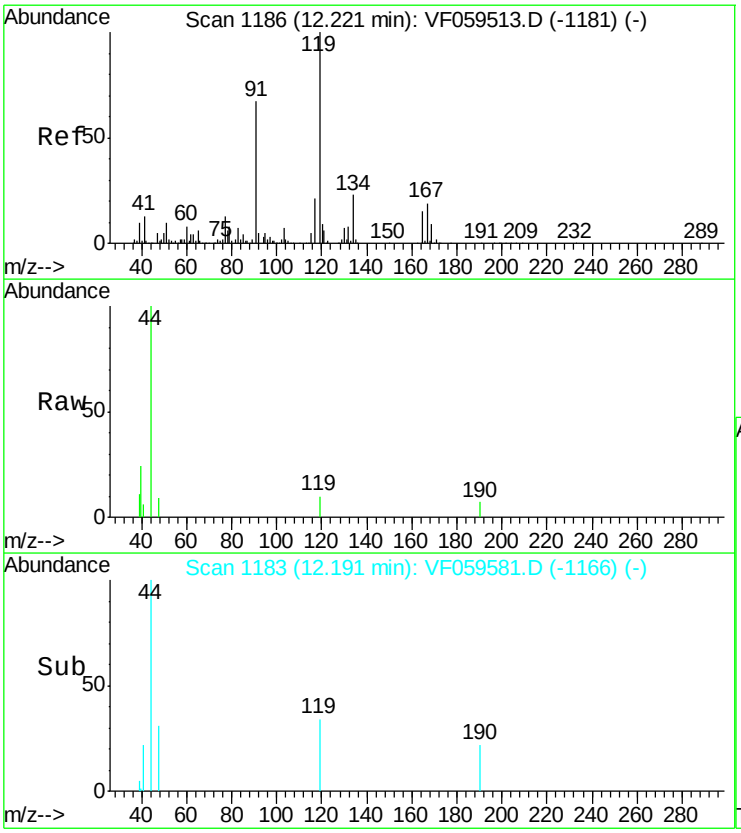
#82
4-Chlorotoluene
Concen: 28.358 ug/l
RT: 12.12 min Scan# 1176
Delta R.T. 0.13 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 91 Resp: 85

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.4	43.4#

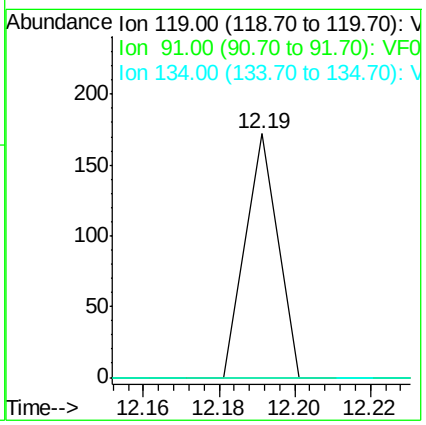


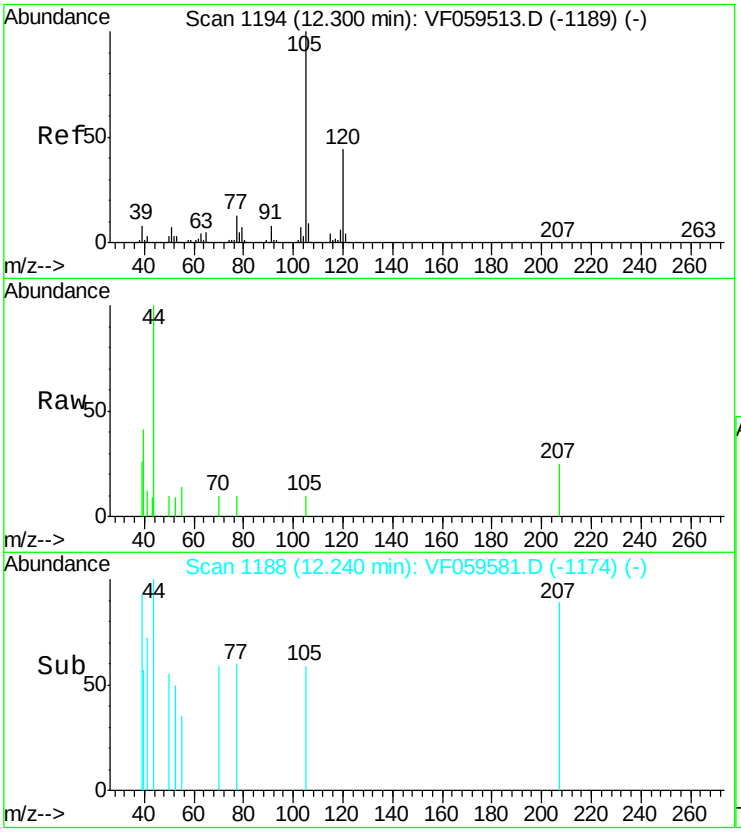


#83
tert-Butylbenzene
Concen: 33.499 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.03 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion:119 Resp: 102

Ion	Ratio	Lower	Upper
119	100		
91	0.0	33.5	100.5#
134	0.0	11.3	33.8#



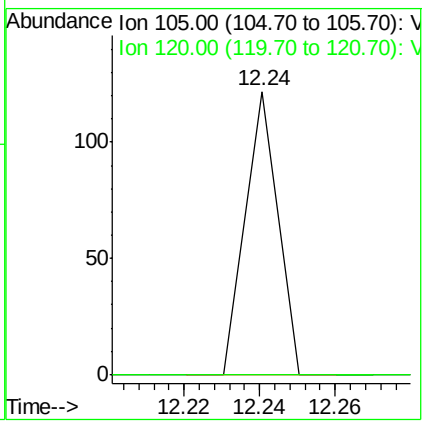


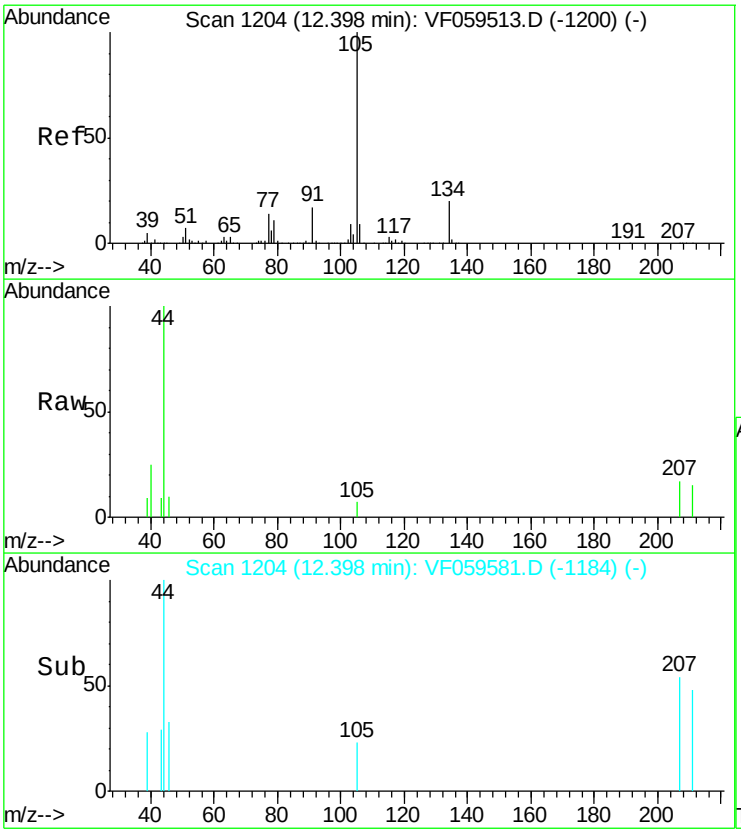
#84
1,2,4-Trimethylbenzene
Concen: 22.059 ug/l
RT: 12.24 min Scan# 1188
Delta R.T. -0.06 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 72

Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.5	67.5#

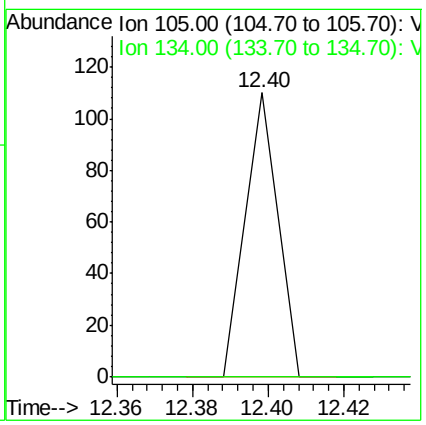


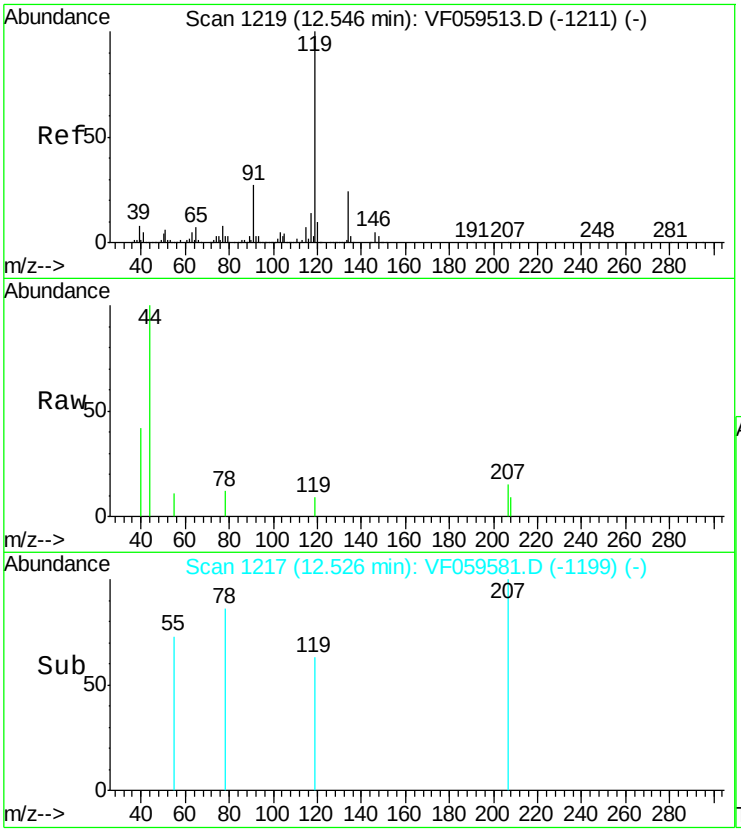


#85
sec-Butylbenzene
Concen: 16.786 ug/l
RT: 12.40 min Scan# 1204
Delta R.T. -0.00 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion:105 Resp: 65

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.1	30.1#



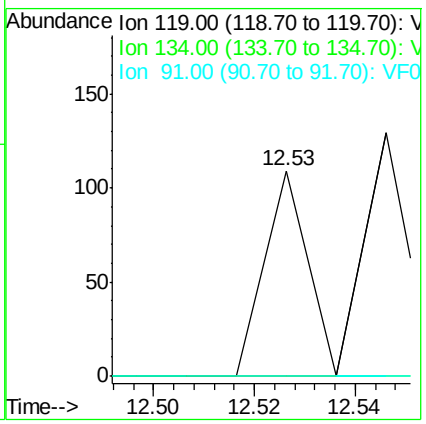


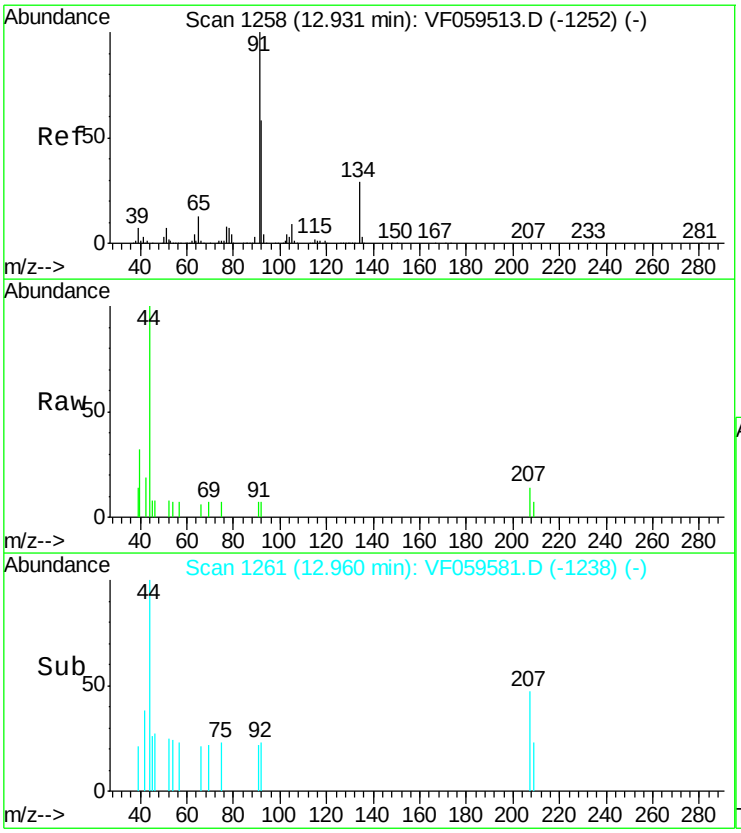
#86
p-Isopropyltoluene
Concen: 18.996 ug/l
RT: 12.53 min Scan# 1217
Delta R.T. -0.02 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:119 Resp: 64

Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.0	36.0#
91	0.0	13.5	40.4#

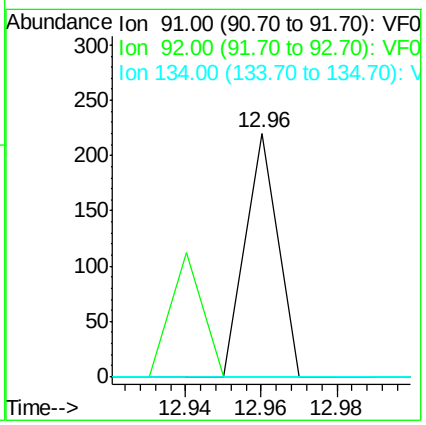


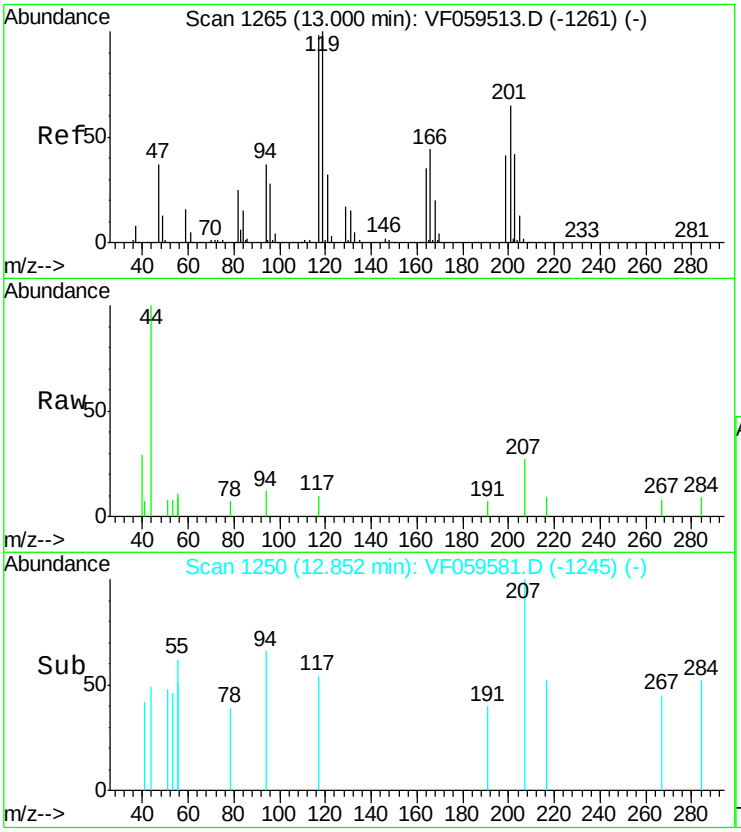


#89
n-Butylbenzene
Concen: 41.229 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. 0.03 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 91 Resp: 130

Ion	Ratio	Lower	Upper
91	100		
92	0.0	29.1	87.3#
134	0.0	14.3	42.9#



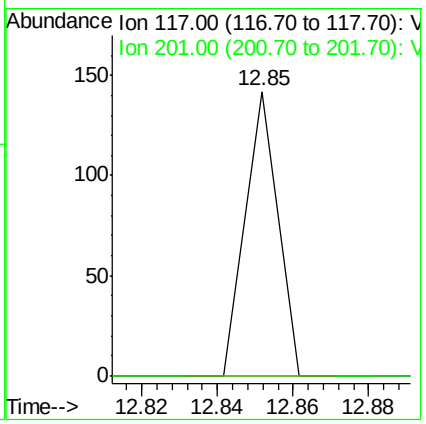


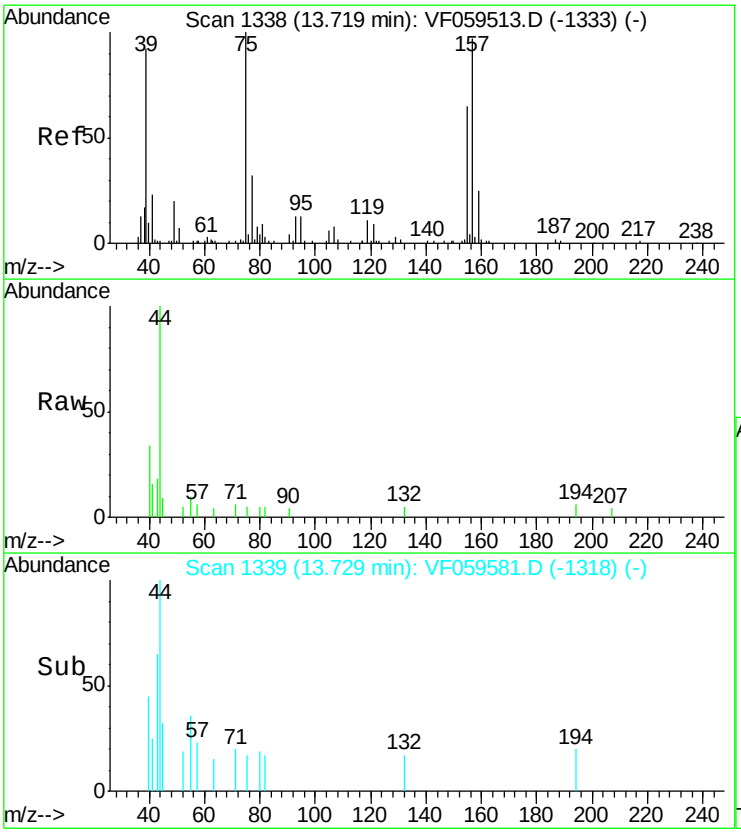
#90
Hexachloroethane
Concen: 109.759 ug/l
RT: 12.85 min Scan# 1250
Delta R.T. -0.15 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 84

Ion	Ratio	Lower	Upper
117	100		
201	0.0	32.6	98.0#

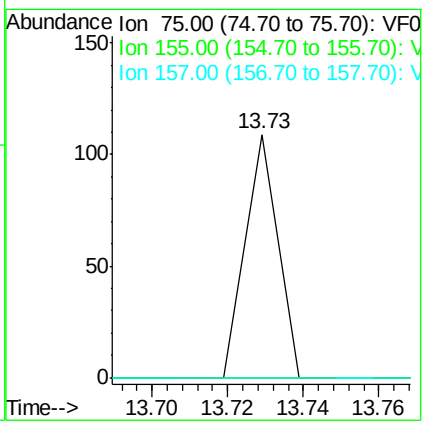


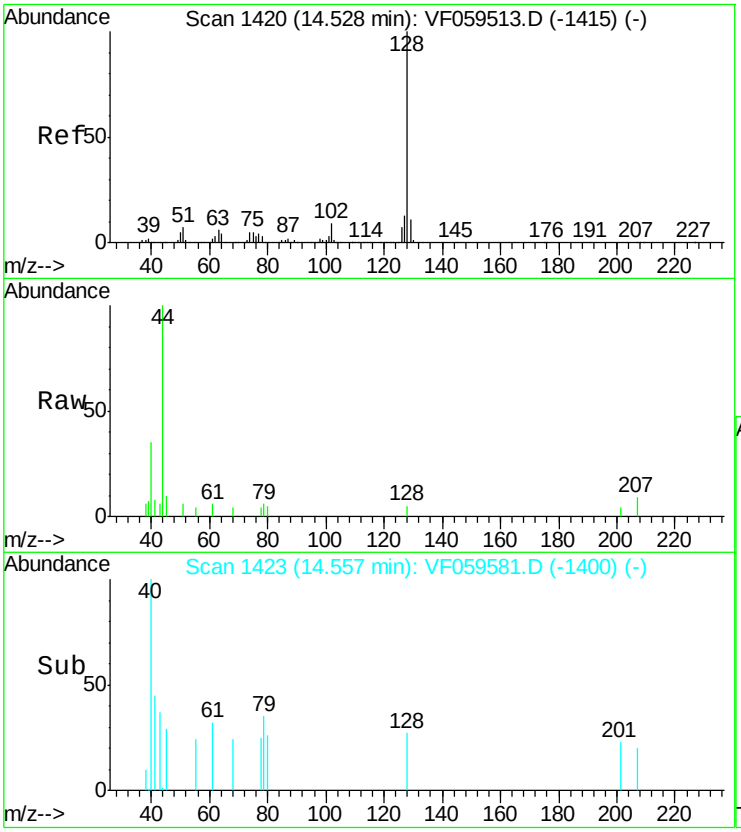


#92
1,2-Dibromo-3-Chloropropane
Concen: 342.095 ug/l
RT: 13.73 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion: 75 Resp: 64

Ion	Ratio	Lower	Upper
75	100		
155	0.0	32.8	98.3#
157	0.0	48.5	145.5#



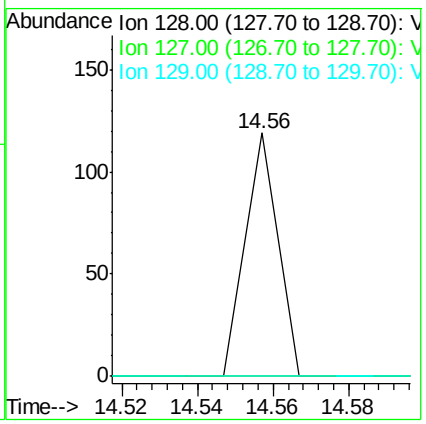


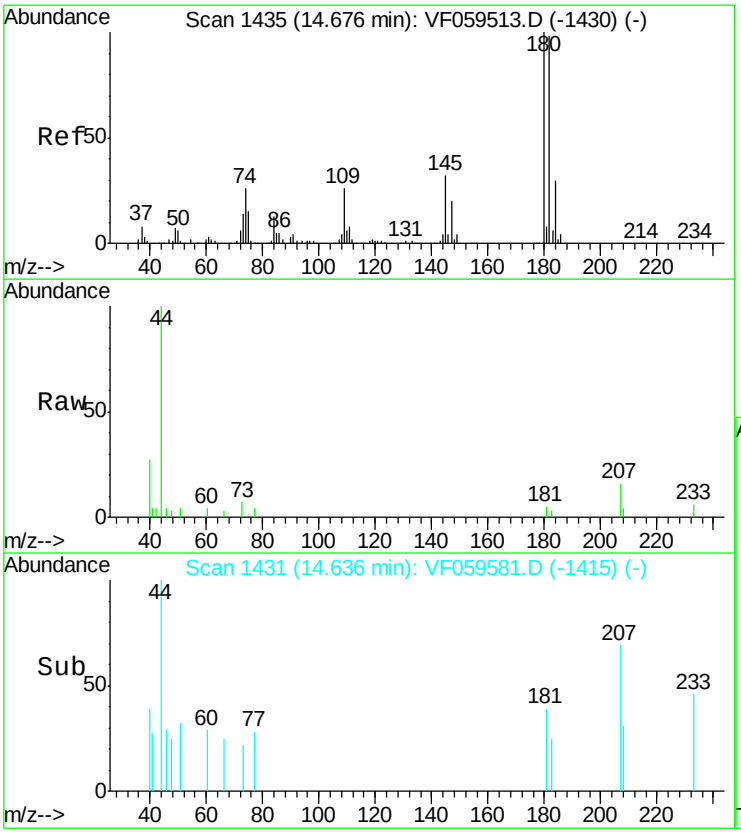
#95
Naphthalene
Concen: 31.848 ug/l
RT: 14.56 min Scan# 1423
Delta R.T. 0.03 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 70

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	9.0	13.4#





#96
1,2,3-Trichlorobenzene
Concen: 98.330 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.04 min
Lab File: VF059581.D
Acq: 20 Jul 2018 3:20

Tgt Ion:180 Resp: 94

Ion	Ratio	Lower	Upper
180	100		
182	63.5	48.8	146.4
145	0.0	16.2	48.6#