Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
Data File : VF060148.D
Acq On : 28 Aug 2018 14:27
Operator : VA/AP
Sample : J4270-03
Misc : 6.68g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Quant Time: Aug 28 14:55:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	61	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.78
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.93
72) 1,4-Dichlorobenzene-d4	12.63	152	69	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.97	65	60	71.87	ug/l	-0.06
Spiked Amount 50.000			Recovery = 143.74%			
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery = 0.00%			
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery = 0.00%			
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
3) Chloromethane	1.08	50	90	182.457	ug/l #	40
6) Chloroethane	1.42	64	671	3413.829	ug/l #	45
10) Methyl Iodide	1.92	142	73	104.905	ug/l #	26
12) 1,1-Dichloroethene	1.86	96	107	275.935	ug/l #	1
13) Acrolein	2.04	56	75	2499.335	ug/l #	8
14) Allyl chloride	2.17	41	105	152.465	ug/l #	1
15) Acrylonitrile	3.04	53	79	901.344	ug/l #	11
16) Acetone	2.35	43	88	401.062	ug/l #	63
18) Methyl Acetate	2.38	43	69	196.101	ug/l #	60
20) Methylene Chloride	2.14	84	67	167.051	ug/l #	1
22) Diisopropyl ether	3.01	45	75	48.634	ug/l #	38
23) Vinyl Acetate	3.27	43	85	104.045	ug/l #	80
25) 2-Butanone	4.51	43	59	207.012	ug/l #	58
27) cis-1,2-Dichloroethene	3.75	96	63	102.466	ug/l	1
29) Tetrahydrofuran	4.24	42	61	566.880	ug/l #	37
31) Cyclohexane	3.83	56	60	82.656	ug/l #	14
74) N-amyl acetate	11.47	43	97	75.136	ug/l #	49
76) 1,2,3-Trichloropropane	12.02	75	63	89.561	ug/l #	40
78) n-propylbenzene	11.63	91	63	12.290	ug/l #	54
79) 2-Chlorotoluene	11.78	91	72	23.886	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.02	75	63	195.744	ug/l #	29
82) 4-Chlorotoluene	12.00	91	59	18.028	ug/l #	41
83) tert-Butylbenzene	12.23	119	64	18.134	ug/l #	32
84) 1,2,4-Trimethylbenzene	12.38	105	73	18.976	ug/l #	30
85) sec-Butylbenzene	12.38	105	73	14.858	ug/l #	58
88) 1,4-Dichlorobenzene	12.76	146	88	42.398	ug/l #	24
89) n-Butylbenzene	12.93	91	60	15.151	ug/l #	30
90) Hexachloroethane	13.15	117	59	64.412	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.85	75	74	399.218	ug/l #	1
95) Naphthalene	14.49	128	139	53.975	ug/l #	69

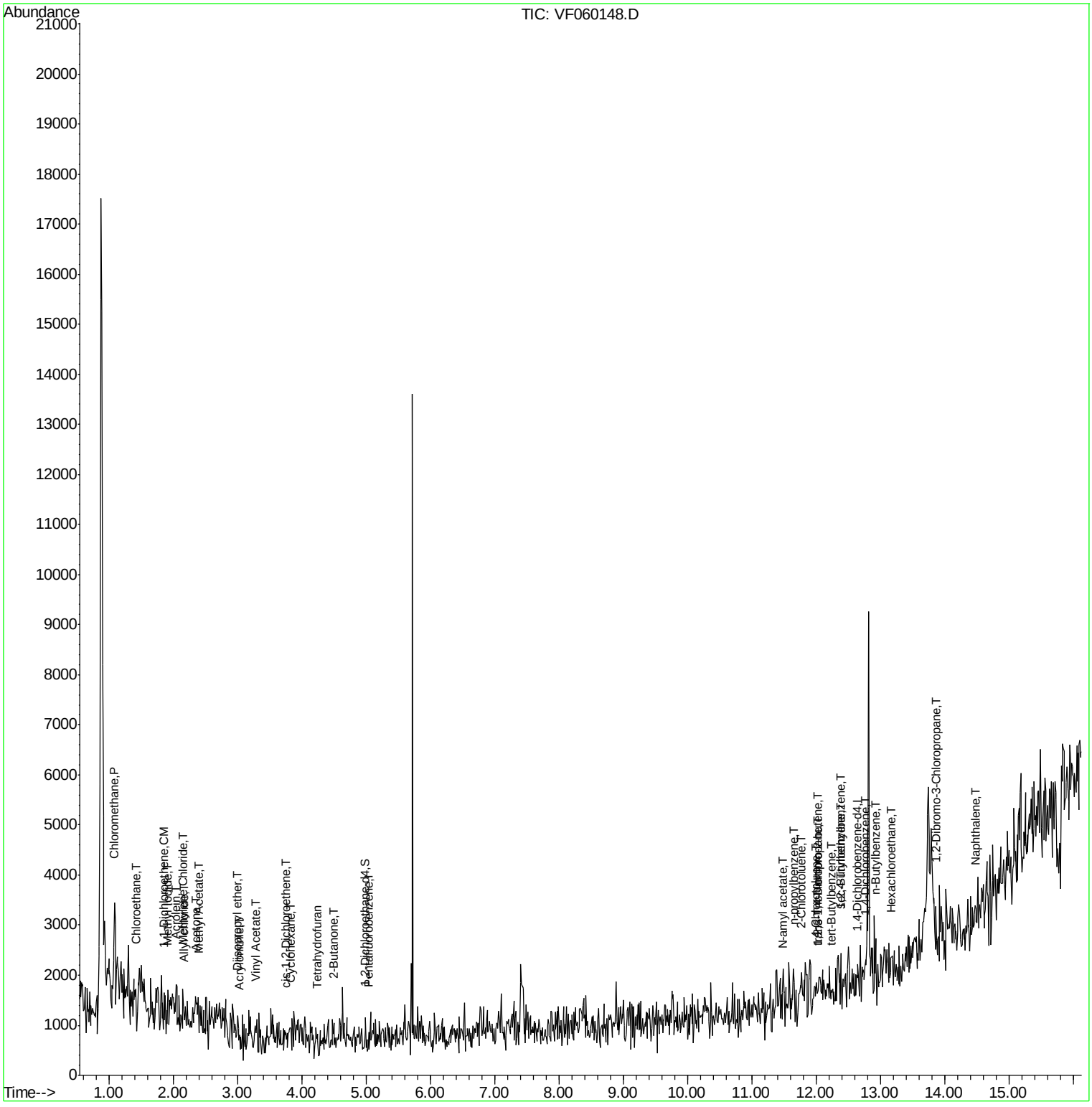
(#) = qualifier out of range (m) = manual integration (+) = signals summed

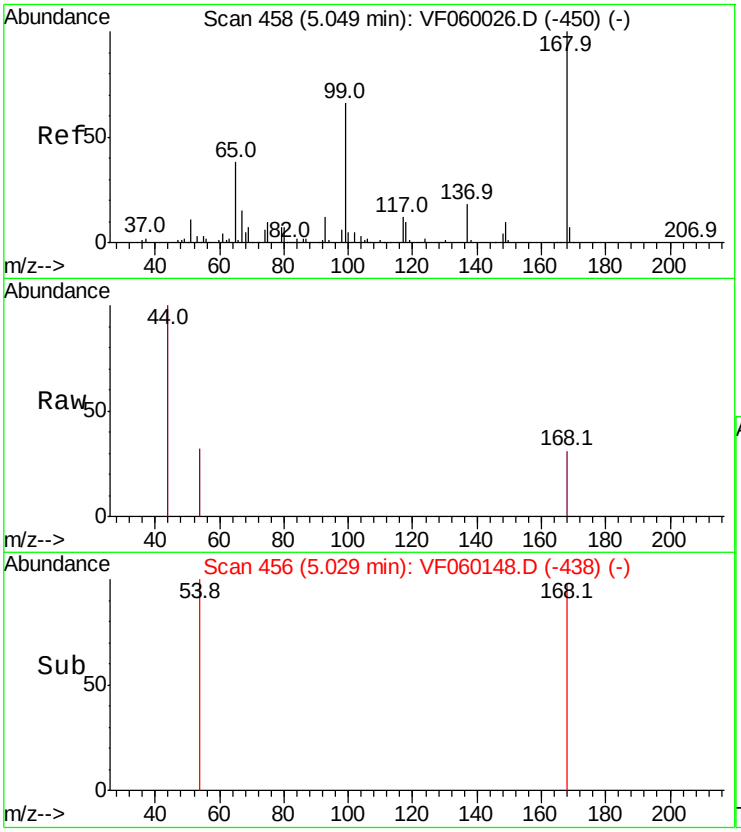
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
Data File : VF060148.D
Acq On : 28 Aug 2018 14:27
Operator : VA/AP
Sample : J4270-03
Misc : 6.68g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
BU-01-082318

Quant Time: Aug 28 14:55:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration



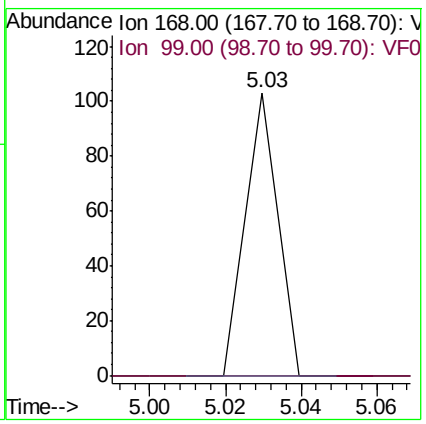


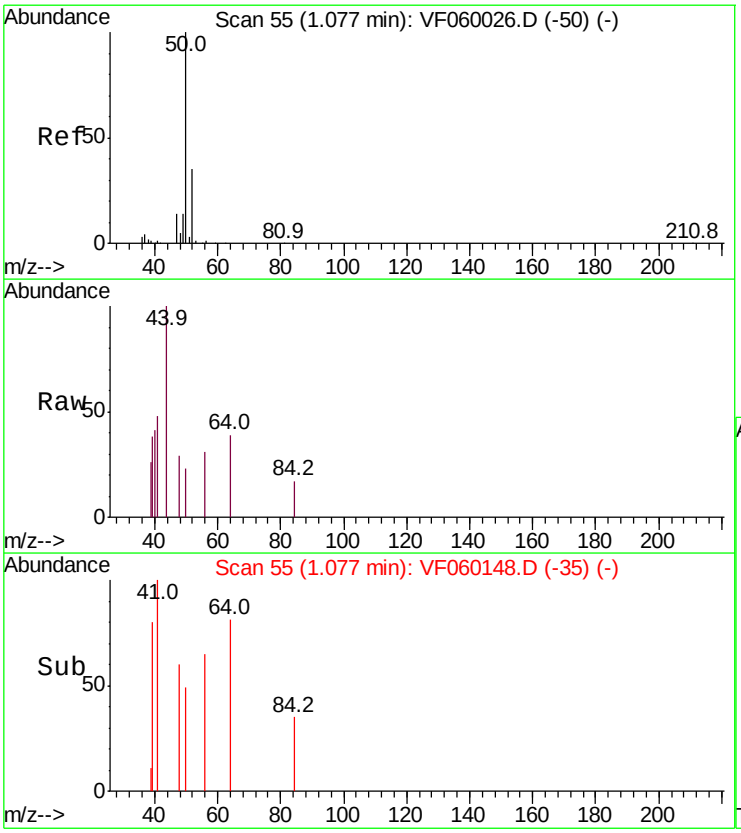
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.02 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :
BU-01-082318

Tgt Ion:168 Resp: 61

Ion	Ratio	Lower	Upper
168	100		
99	0.0	52.6	79.0#

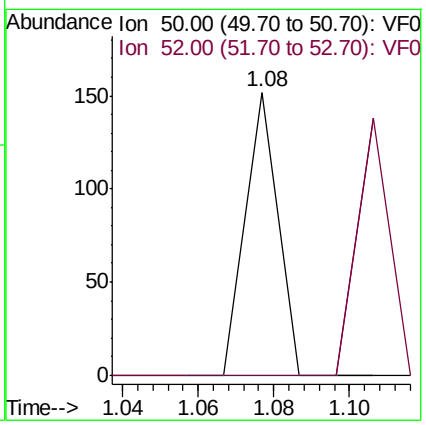


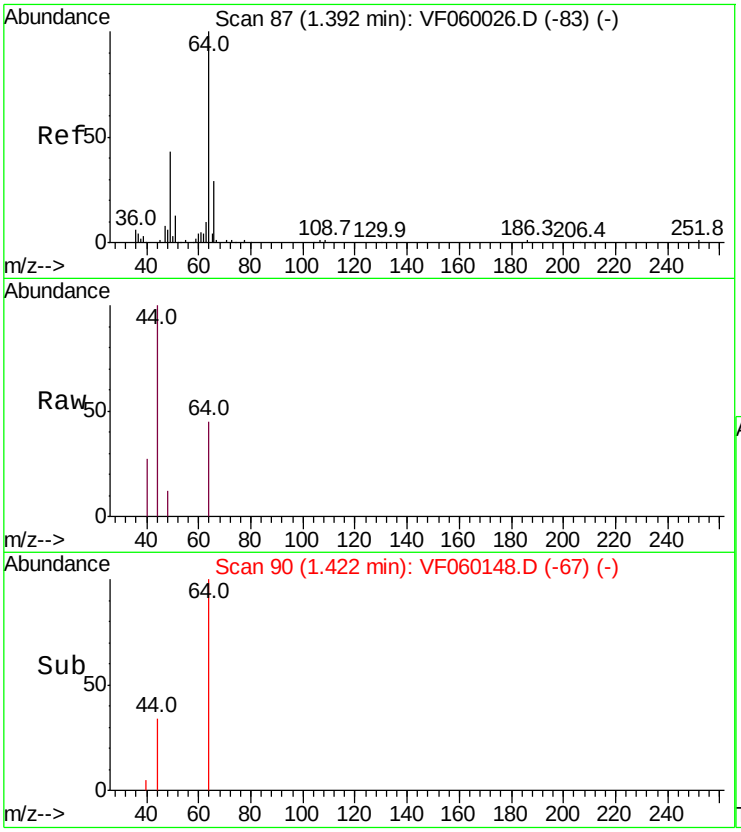


#3
Chloromethane
Concen: 182.457 ug/l
RT: 1.08 min Scan# 55
Delta R.T. 0.00 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 50 Resp: 90

Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.6	41.4#



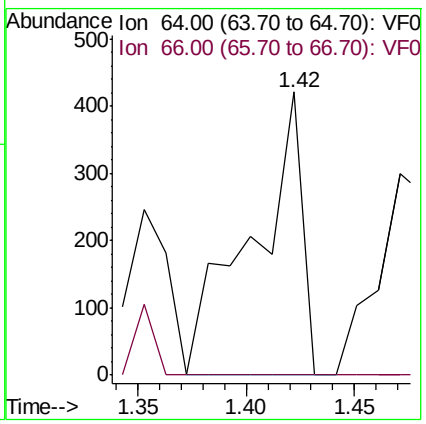


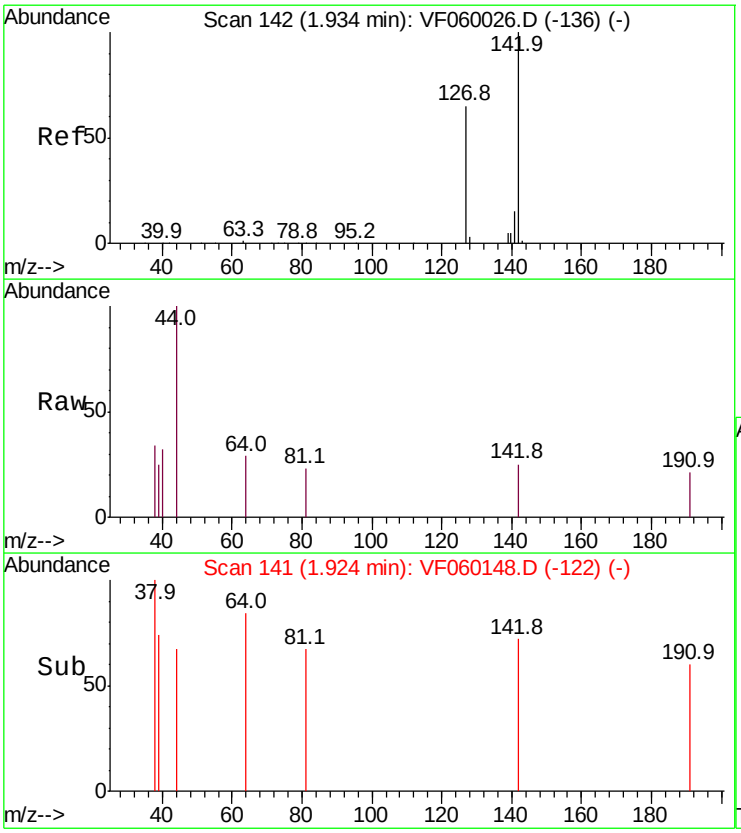
#6
Chloroethane
Concen: 3413.829 ug/l
RT: 1.42 min Scan# 90
Delta R.T. 0.03 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Tgt Ion: 64 Resp: 671

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.1	36.1#

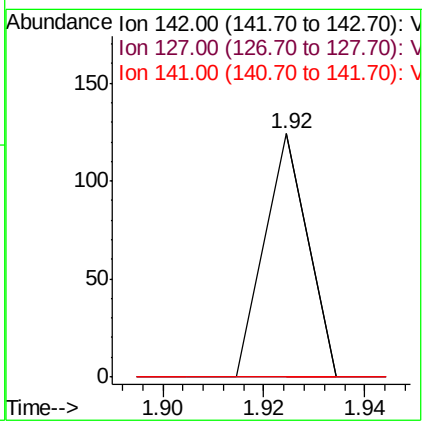


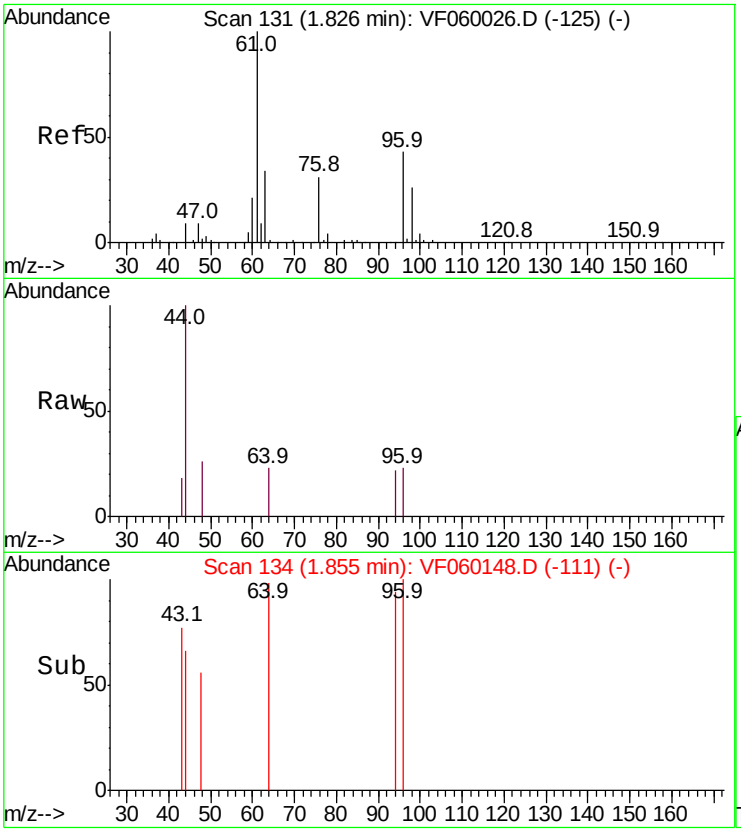


#10
Methyl Iodide
Concen: 104.905 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion:142 Resp: 73

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



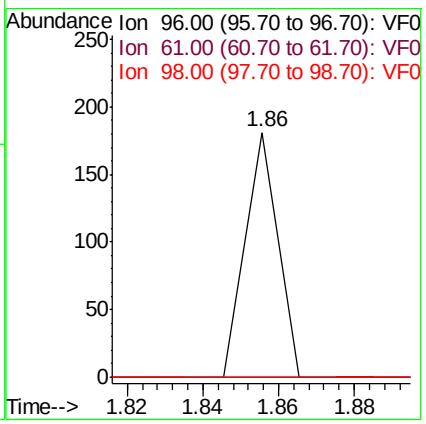


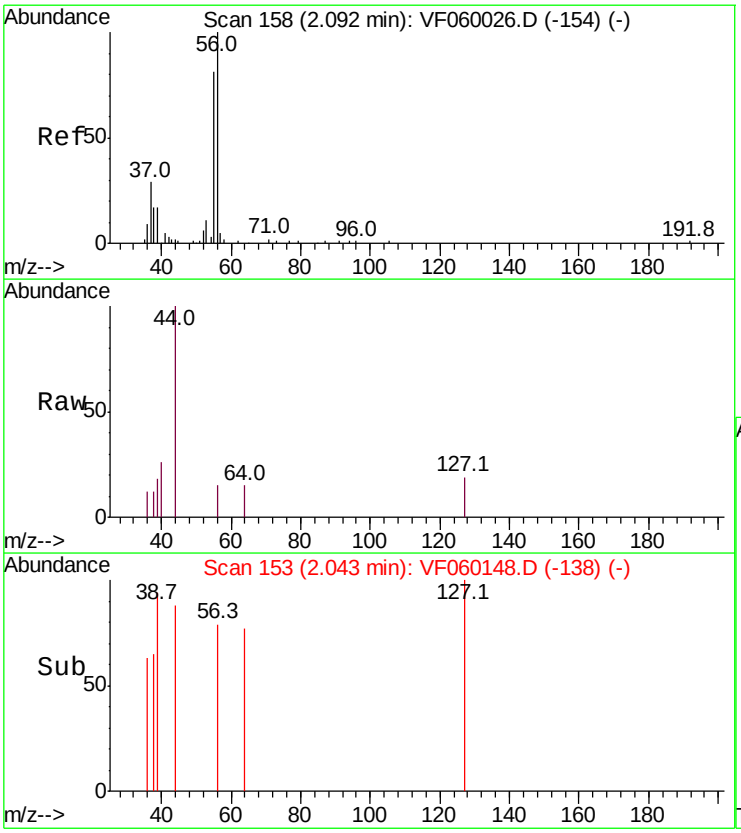
#12
1,1-Dichloroethene
Concen: 275.935 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.03 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Tgt Ion: 96 Resp: 107

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

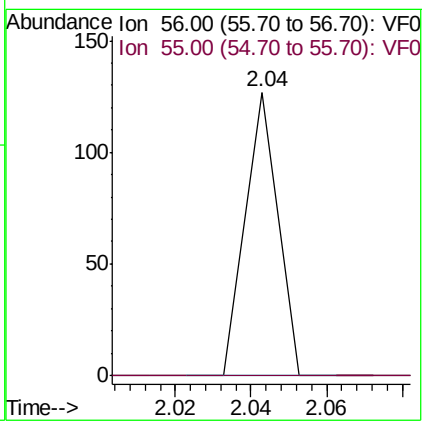


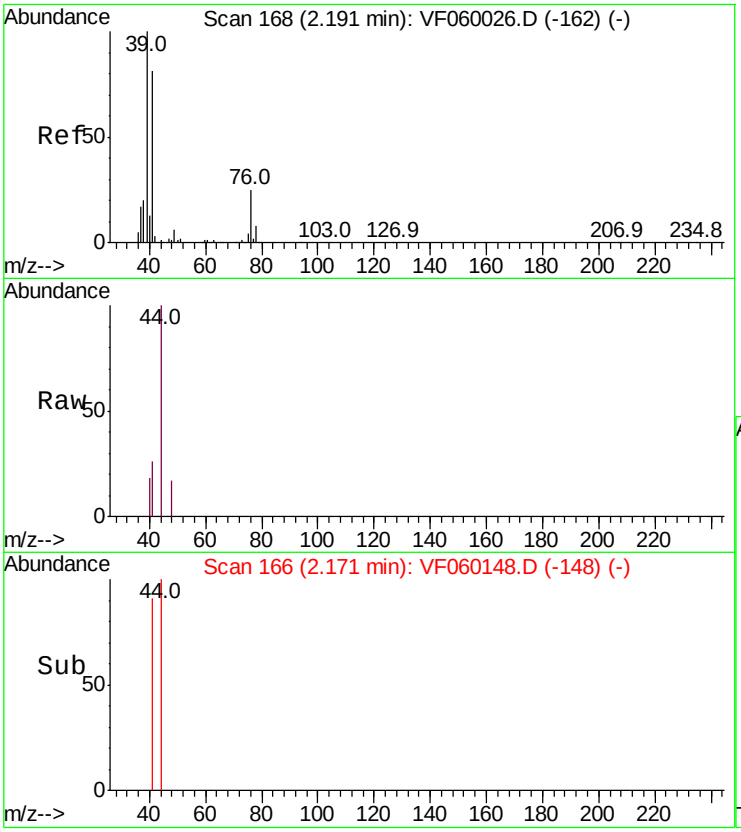


#13
Acrolein
Concen: 2499.335 ug/l
RT: 2.04 min Scan# 153
Delta R.T. -0.05 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 56 Resp: 75

Ion	Ratio	Lower	Upper
56	100		
55	0.0	65.6	98.4#



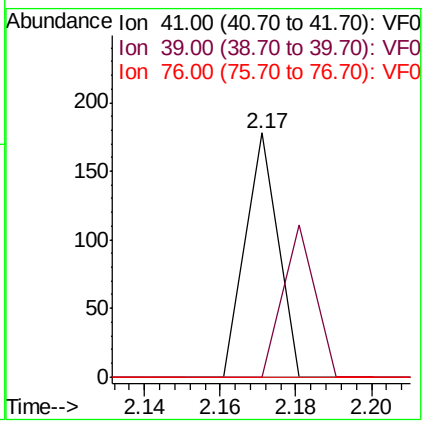


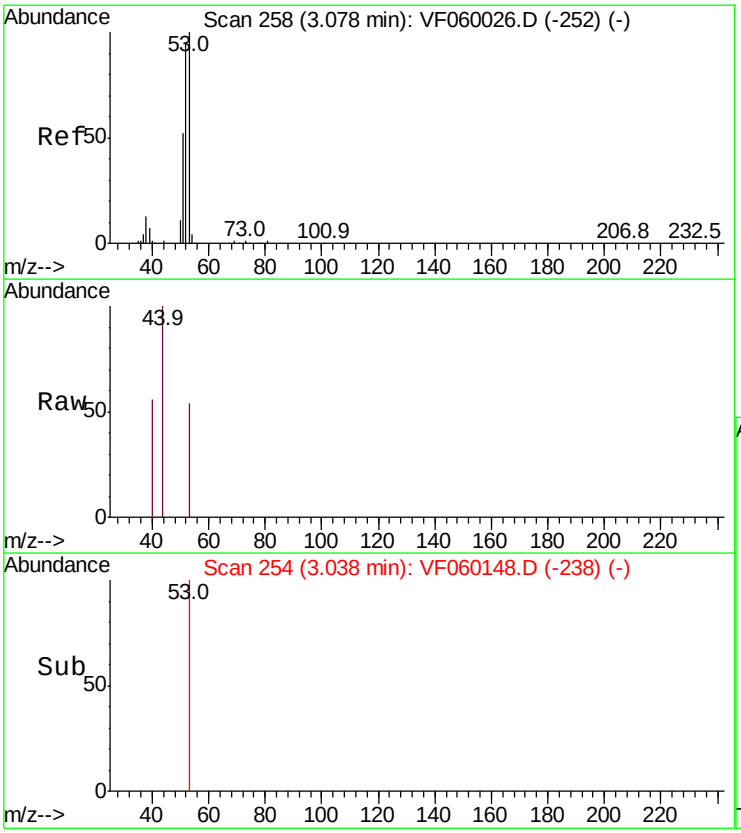
#14
Allyl chloride
Concen: 152.465 ug/l
RT: 2.17 min Scan# 166
Delta R.T. -0.02 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :
BU-01-082318

Tgt Ion: 41 Resp: 105

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

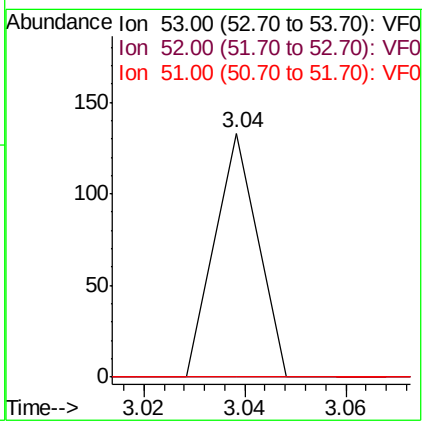


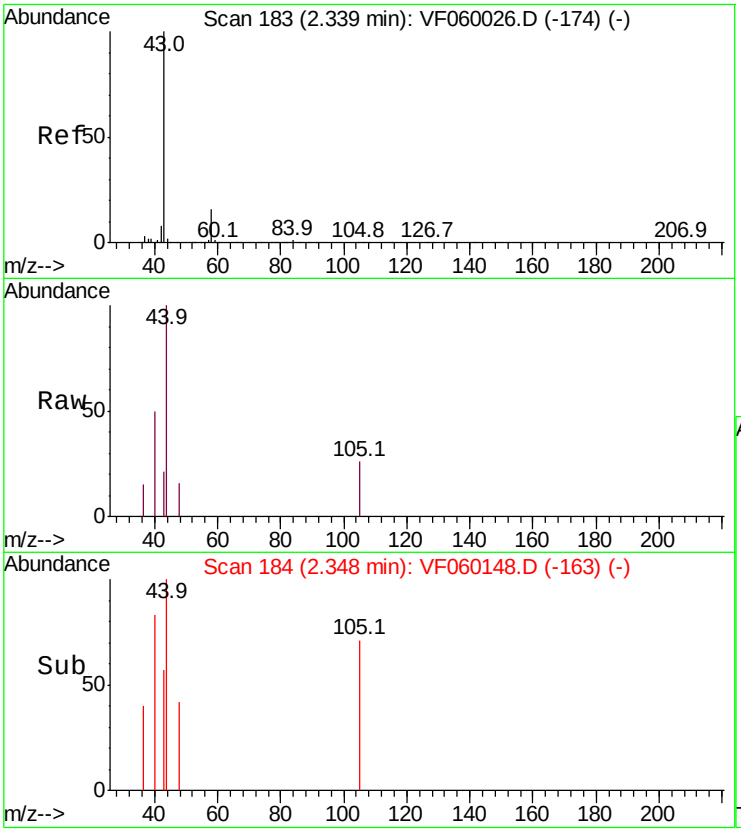


#15
Acrylonitrile
Concen: 901.344 ug/l
RT: 3.04 min Scan# 254
Delta R.T. -0.04 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 53 Resp: 79

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



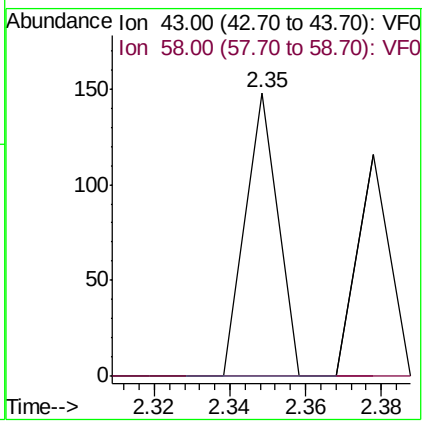


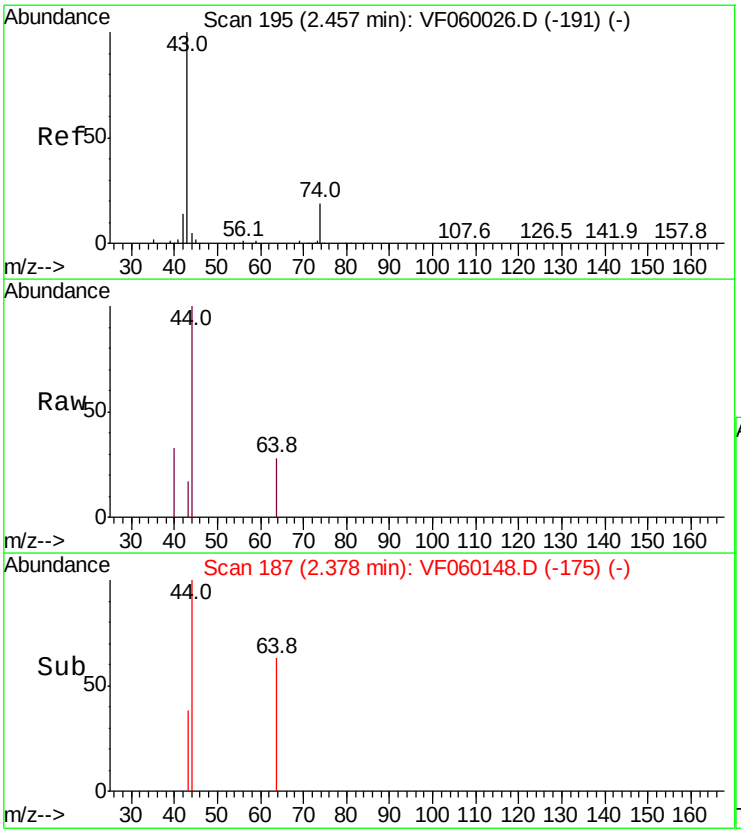
#16
Acetone
Concen: 401.062 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :
BU-01-082318

Tgt Ion: 43 Resp: 88

Ion	Ratio	Lower	Upper
43	100		
58	0.0	12.6	19.0#

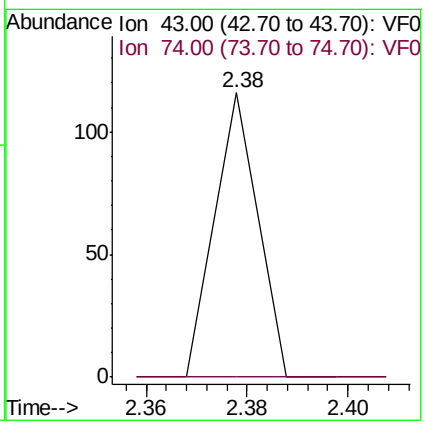


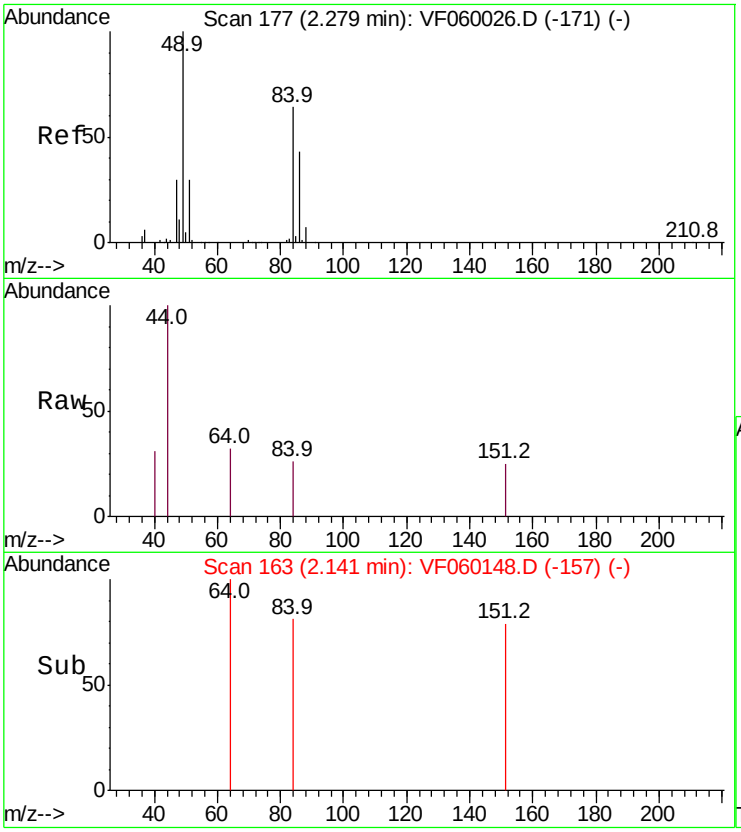


#18
Methyl Acetate
Concen: 196.101 ug/l
RT: 2.38 min Scan# 187
Delta R.T. -0.08 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 43 Resp: 69

Ion	Ratio	Lower	Upper
43	100		
74	0.0	13.8	20.6#



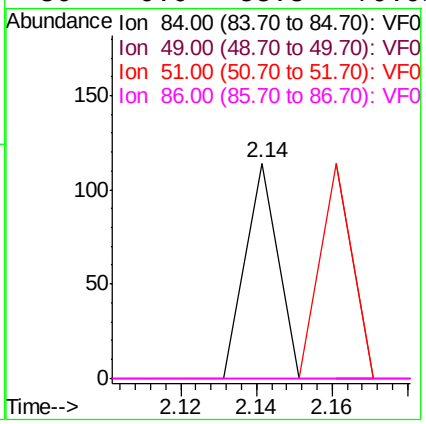


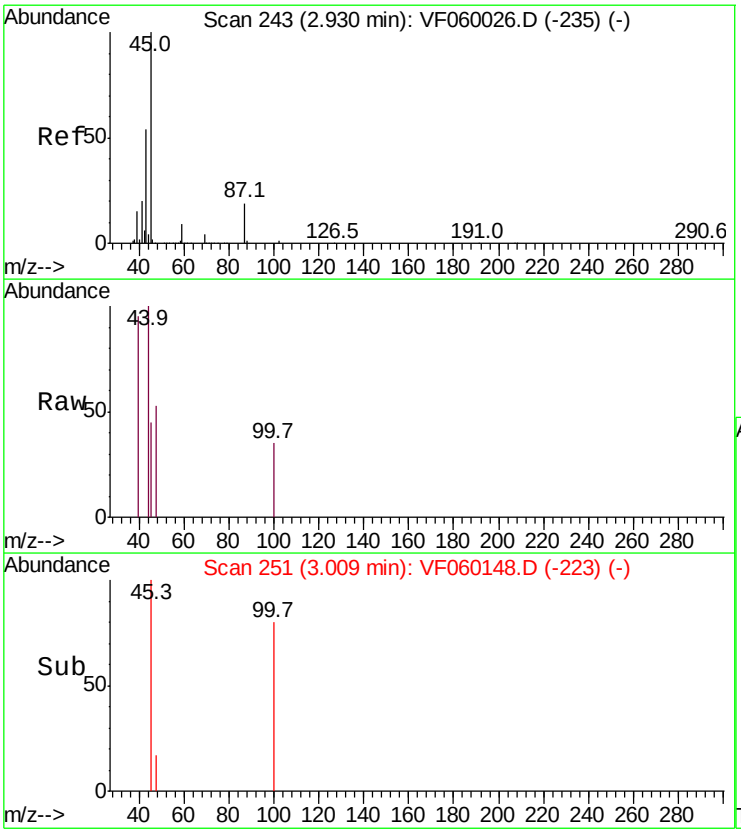
#20
Methylene Chloride
Concen: 167.051 ug/l
RT: 2.14 min Scan# 163
Delta R.T. -0.14 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Tgt Ion: 84 Resp: 67

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

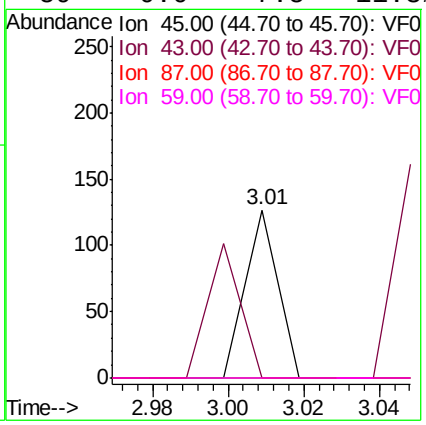


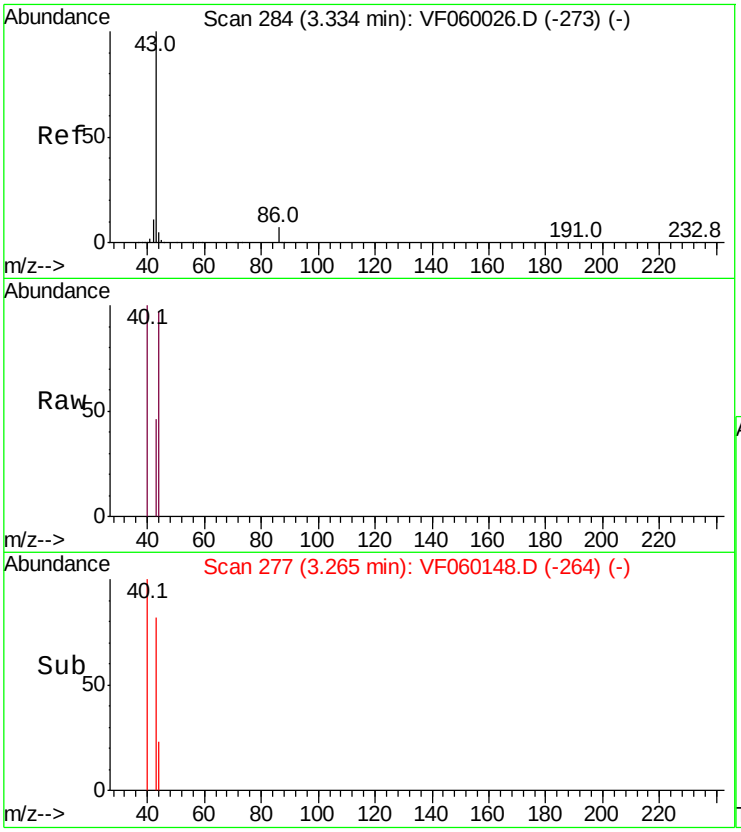


#22
Diisopropyl ether
Concen: 48.634 ug/l
RT: 3.01 min Scan# 251
Delta R.T. 0.08 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 45 Resp: 75

Ion	Ratio	Lower	Upper
45	100		
43	0.0	43.4	65.2#
87	0.0	15.4	23.2#
59	0.0	7.5	11.3#



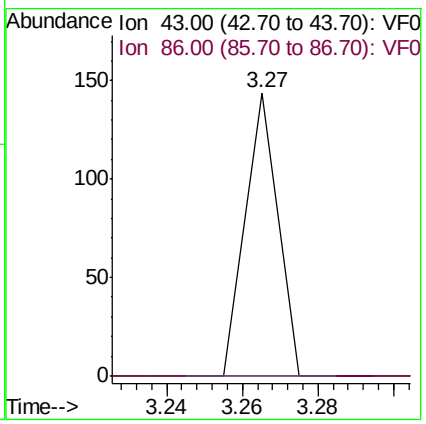


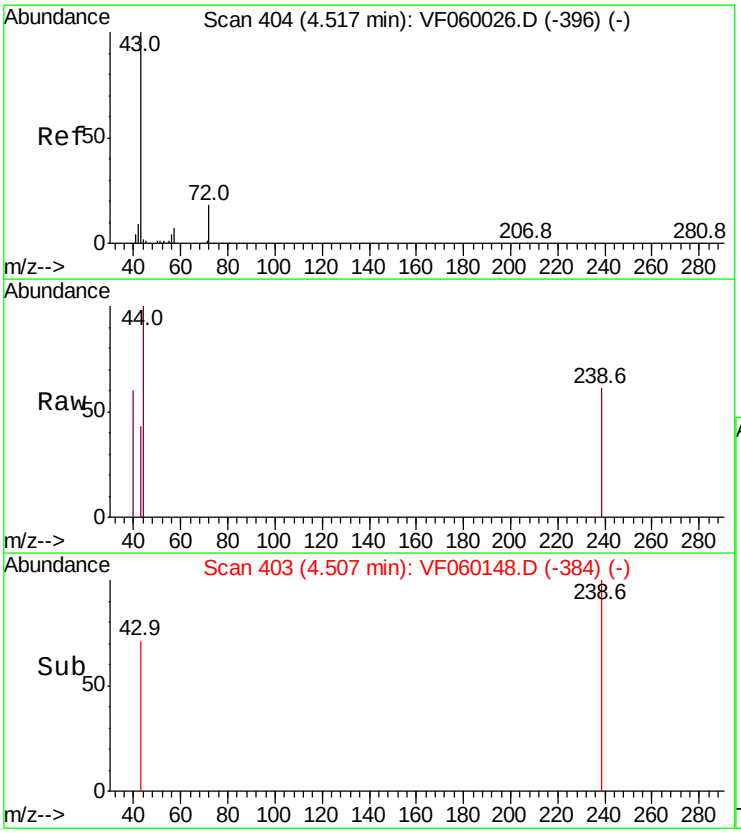
#23
Vinyl Acetate
Concen: 104.045 ug/l
RT: 3.27 min Scan# 277
Delta R.T. -0.07 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Tgt Ion: 43 Resp: 85

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#

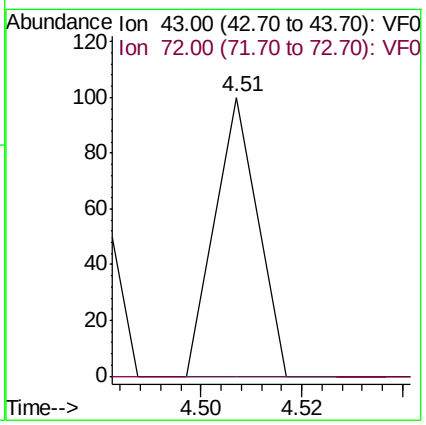


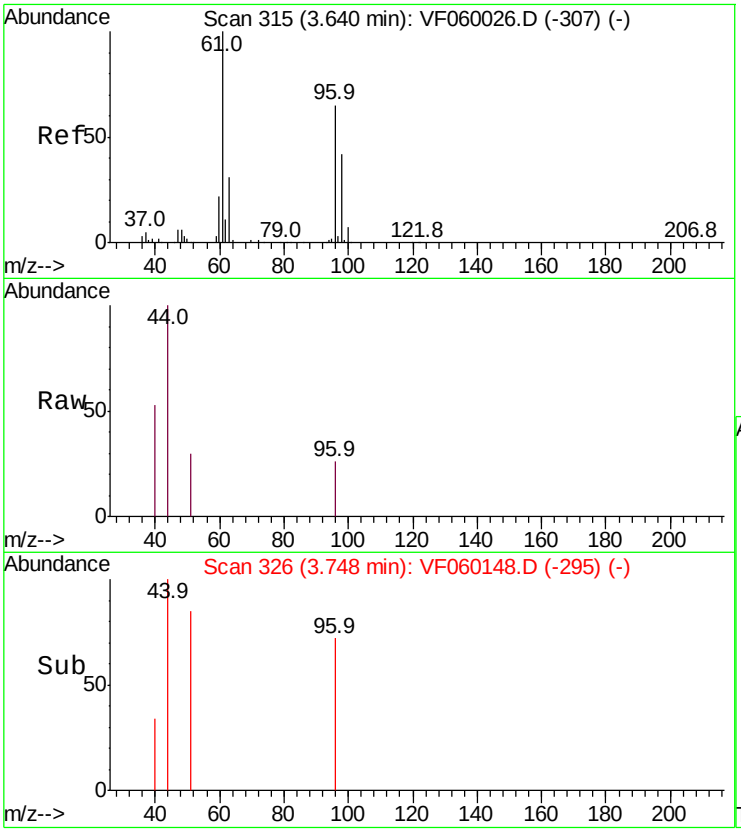


#25
2-Butanone
Concen: 207.012 ug/l
RT: 4.51 min Scan# 403
Delta R.T. -0.01 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 43 Resp: 59

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.0	22.6#



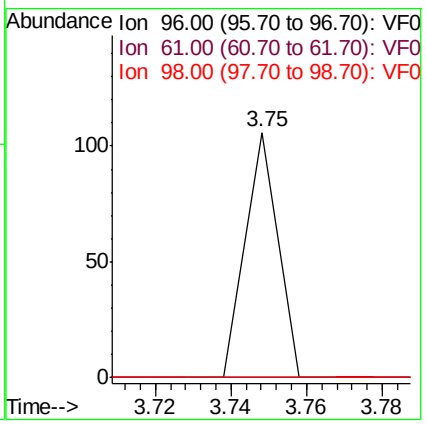


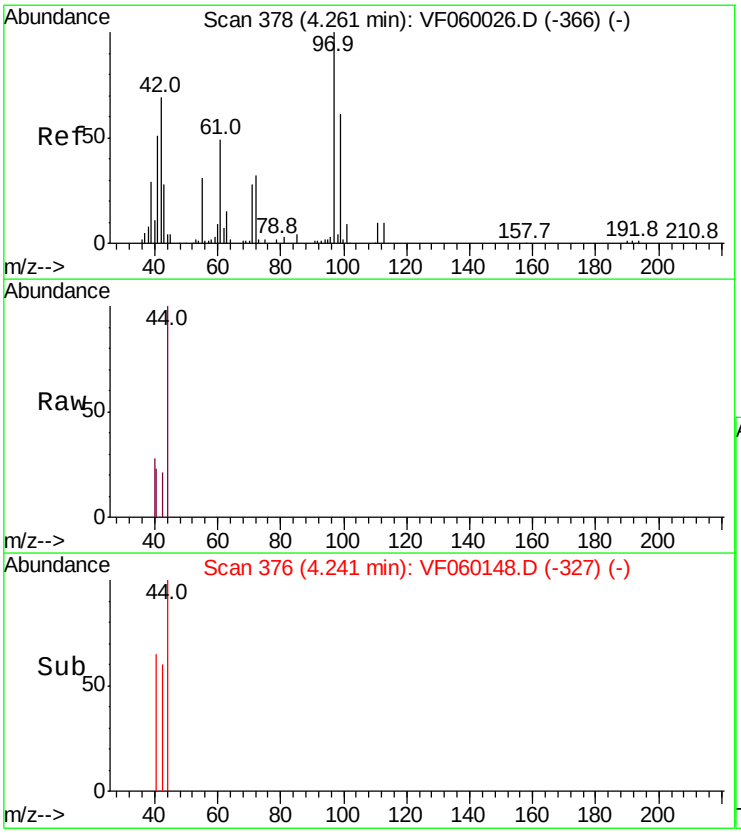
#27
cis-1,2-Dichloroethene
Concen: 102.466 ug/l
RT: 3.75 min Scan# 326
Delta R.T. 0.11 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :
BU-01-082318

Tgt Ion: 96 Resp: 63

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	307.6
98	0.0	0.0	128.4

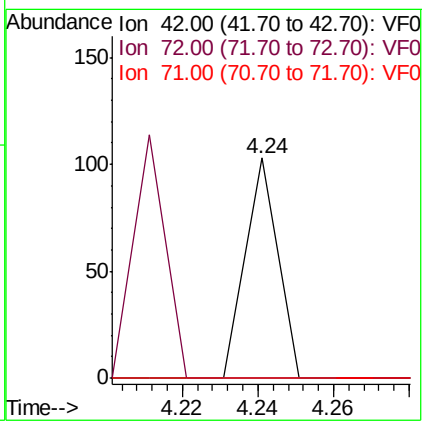


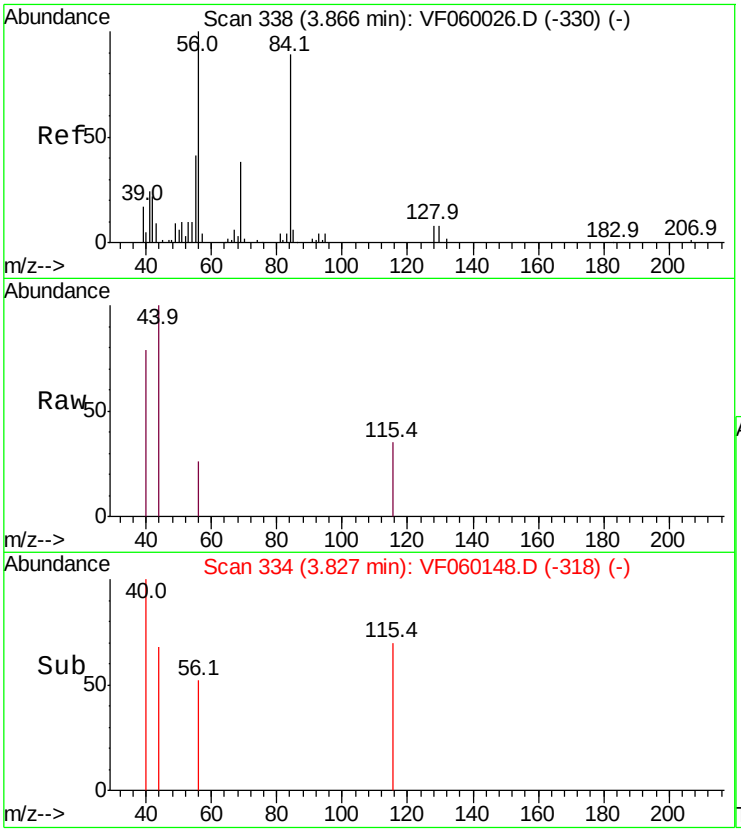


#29
Tetrahydrofuran
Concen: 566.880 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 42 Resp: 61

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



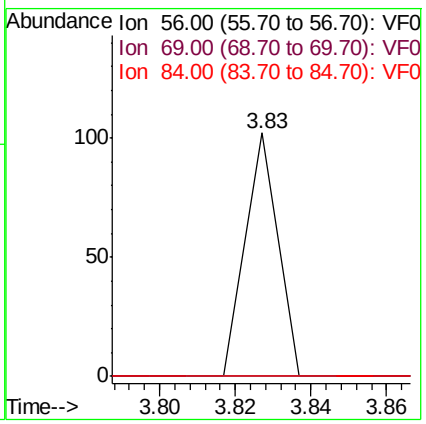


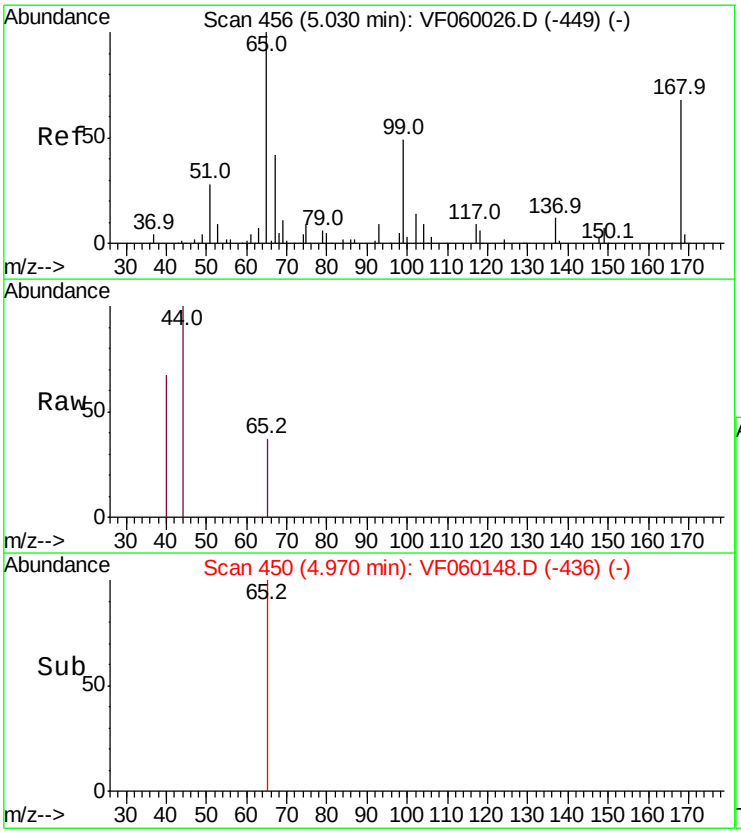
#31
Cyclohexane
Concen: 82.656 ug/l
RT: 3.83 min Scan# 334
Delta R.T. -0.04 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Tgt Ion: 56 Resp: 60

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

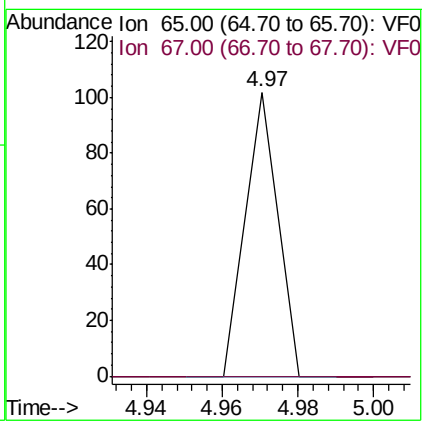


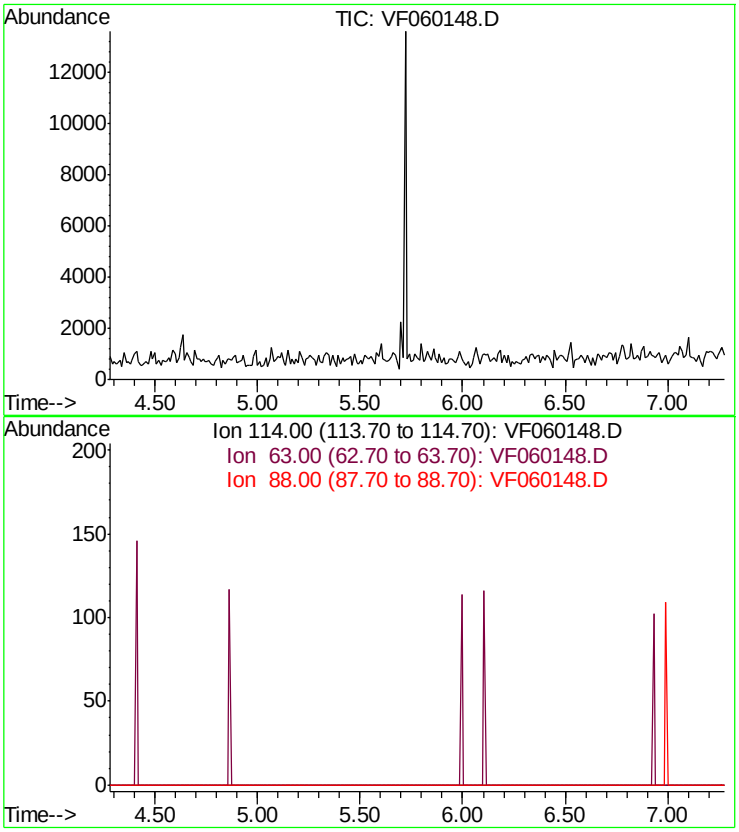


#33
1,2-Dichloroethane-d4
Concen: 71.868 ug/l
RT: 4.97 min Scan# 450
Delta R.T. -0.06 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 65 Resp: 60

Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	92.0





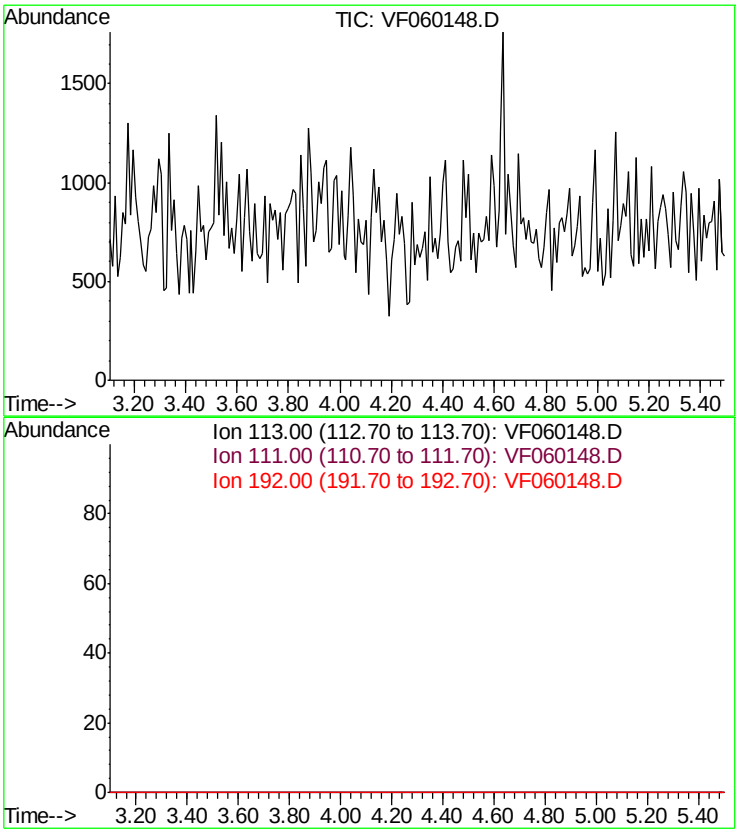
#34
1,4-Difluorobenzene
Concen: 0.000 ug/l
Expected RT: 5.78 min

Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 114

Sig	Exp Ratio
114	100
63	20.2
88	19.3

Instrument :
MSVOA_F
ClientSampleId :
BU-01-082318

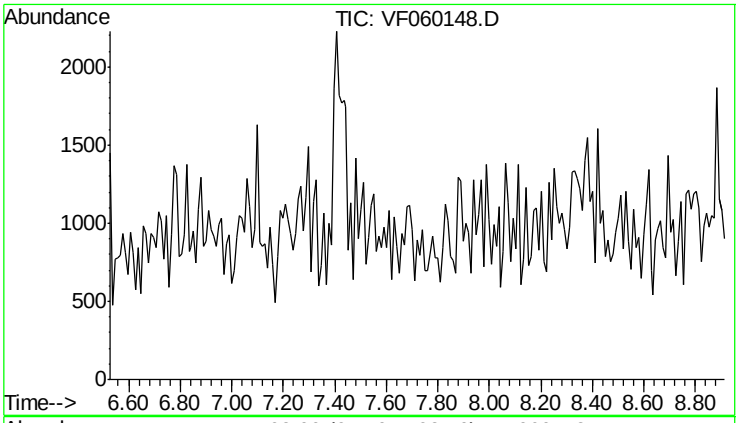


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.30 min

Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	103.4
192	16.2



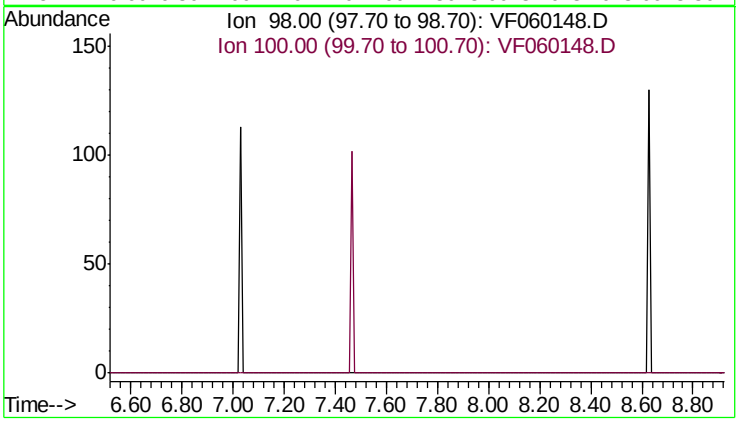
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.72 min

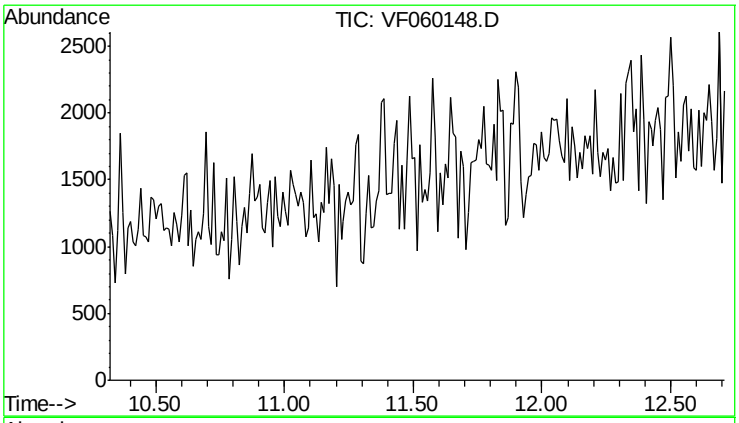
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :
BU-01-082318

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	66.5



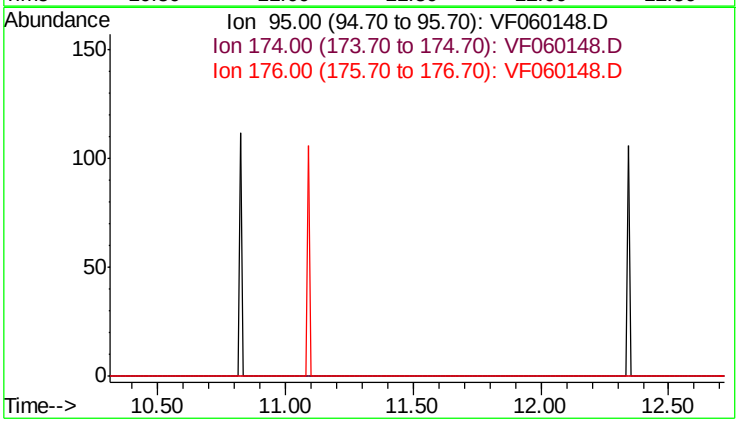


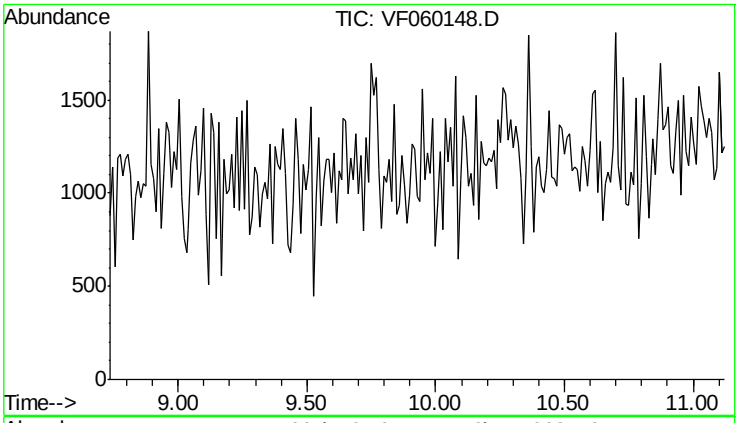
#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.52 min

Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	79.2
176	76.5





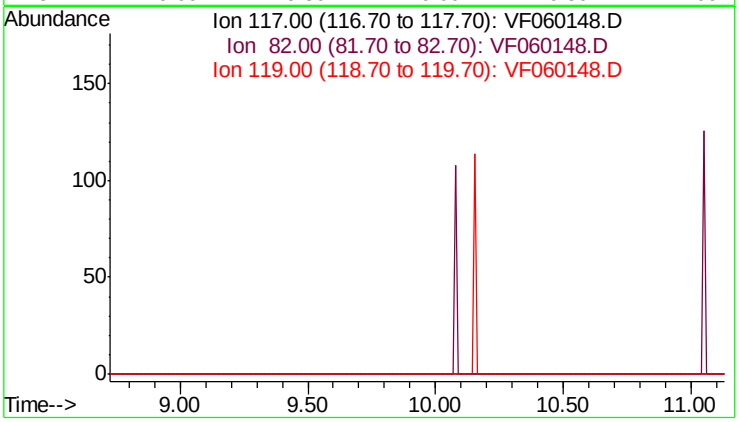
#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 9.93 min

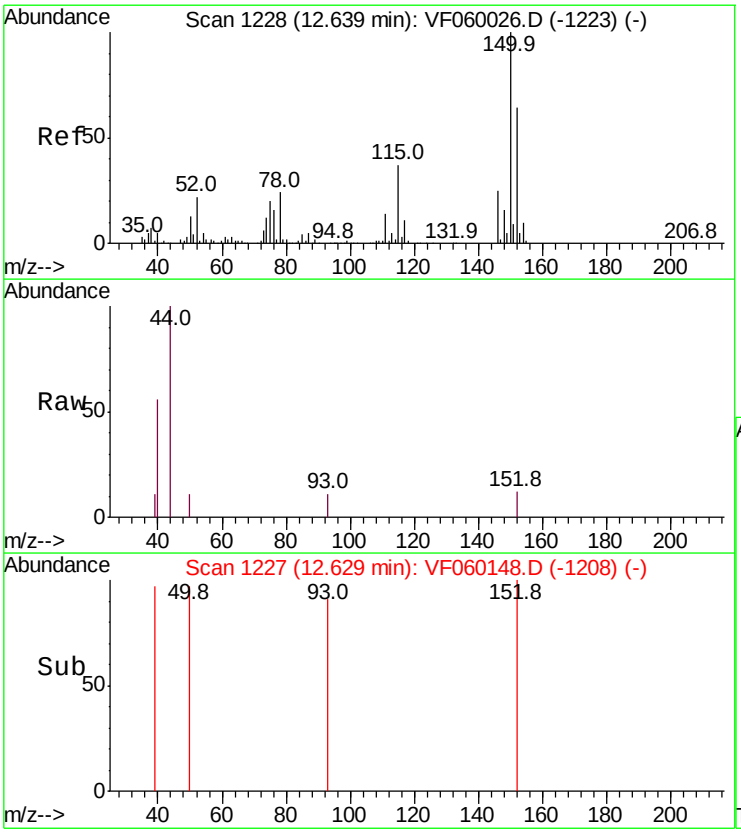
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :
BU-01-082318

Tgt Ion: 117

Sig	Exp Ratio
117	100
82	54.5
119	32.0

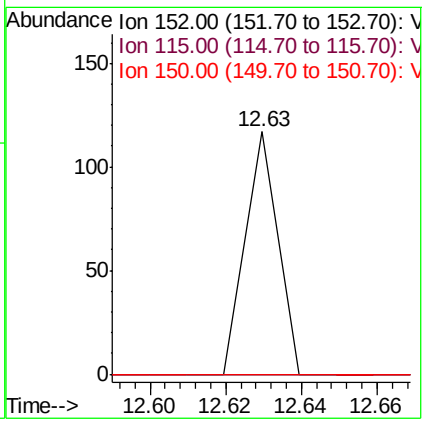


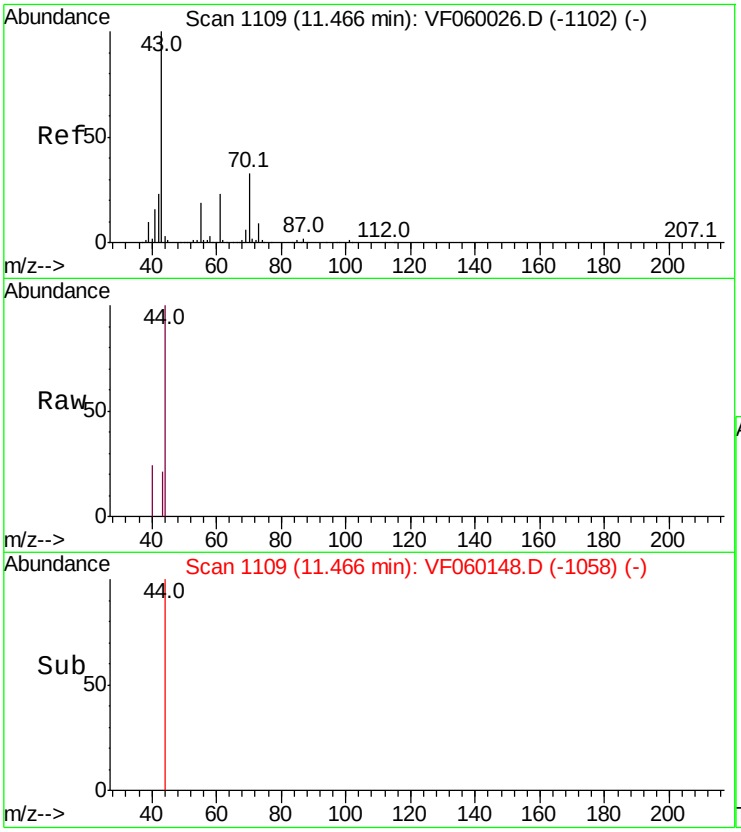


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion:152 Resp: 69

Ion	Ratio	Lower	Upper
152	100		
115	0.0	28.6	85.9#
150	0.0	0.0	312.0



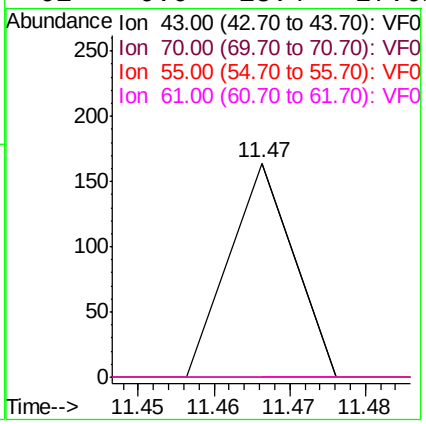


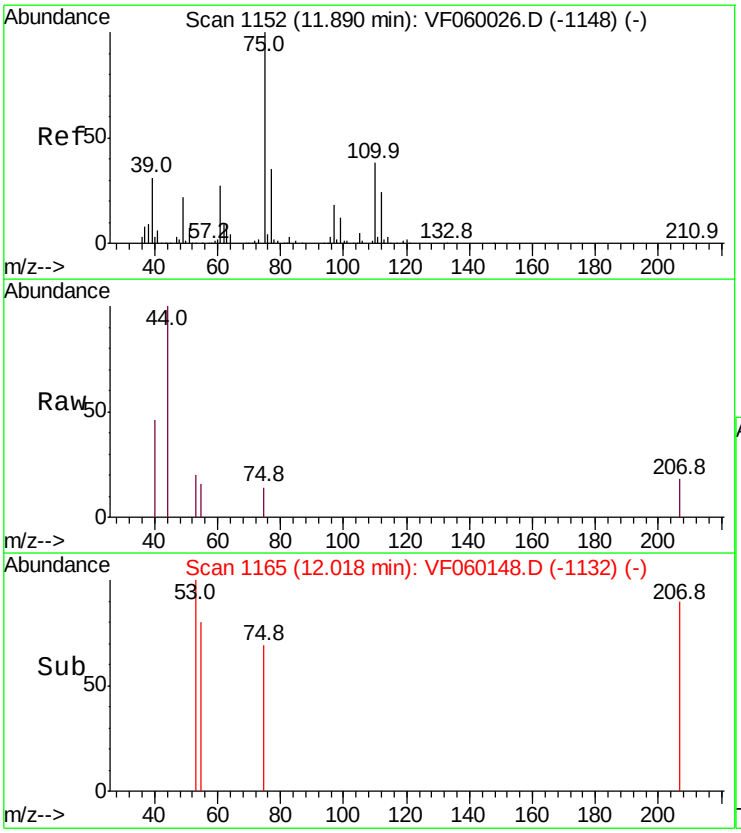
#74
N-amyl acetate
Concen: 75.136 ug/l
RT: 11.47 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Tgt Ion: 43 Resp: 97

Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.4	39.6#
55	0.0	15.0	22.4#
61	0.0	18.4	27.6#

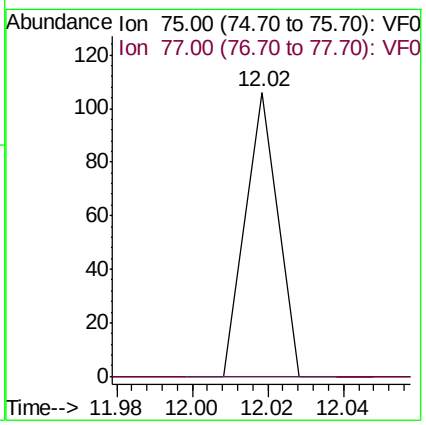


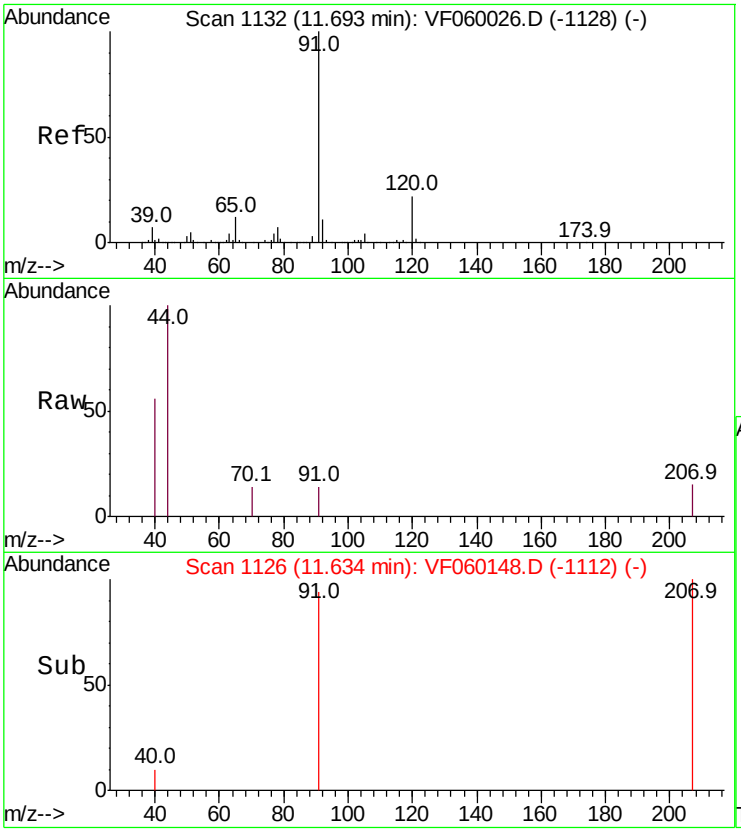


#76
1,2,3-Trichloropropane
Concen: 89.561 ug/l
RT: 12.02 min Scan# 1165
Delta R.T. 0.13 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 75 Resp: 63

Ion	Ratio	Lower	Upper
75	100		
77	0.0	17.3	52.0#



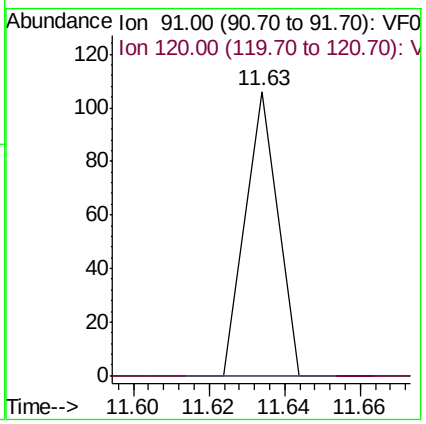


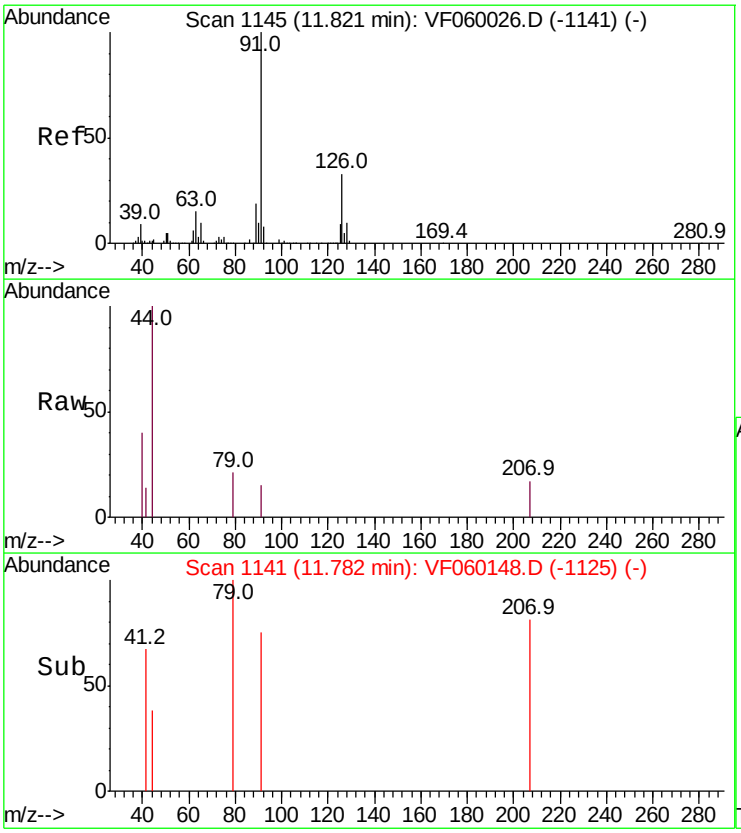
#78
n-propylbenzene
Concen: 12.290 ug/l
RT: 11.63 min Scan# 1126
Delta R.T. -0.06 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Tgt Ion: 91 Resp: 63

Ion	Ratio	Lower	Upper
91	100		
120	0.0	10.9	32.7#

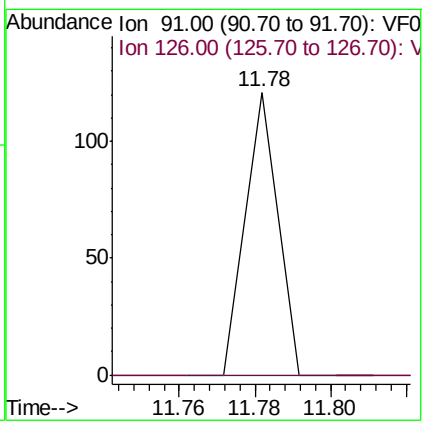


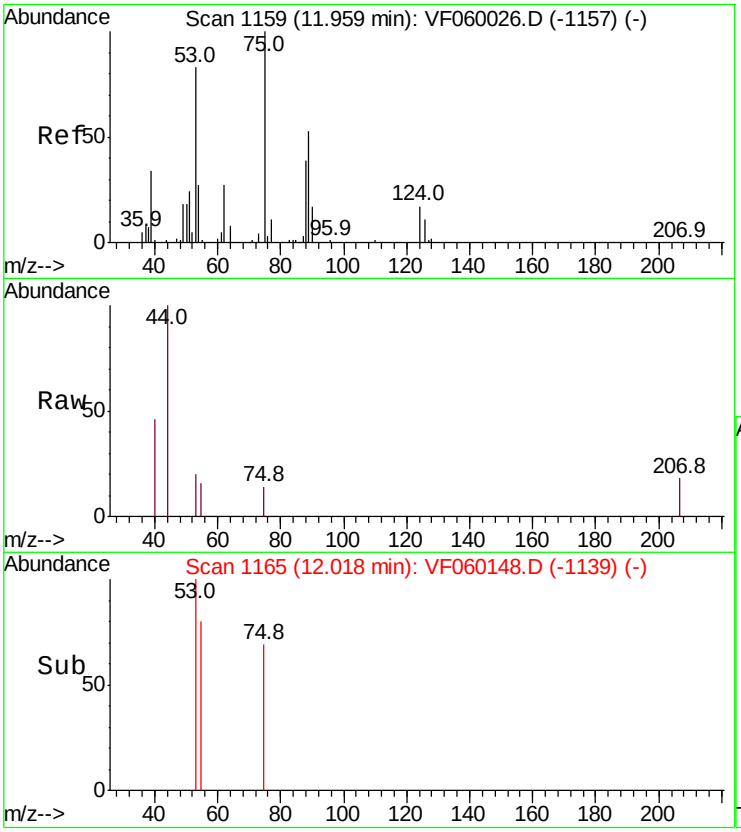


#79
2-Chlorotoluene
Concen: 23.886 ug/l
RT: 11.78 min Scan# 1141
Delta R.T. -0.04 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 91 Resp: 72

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.6	49.7#



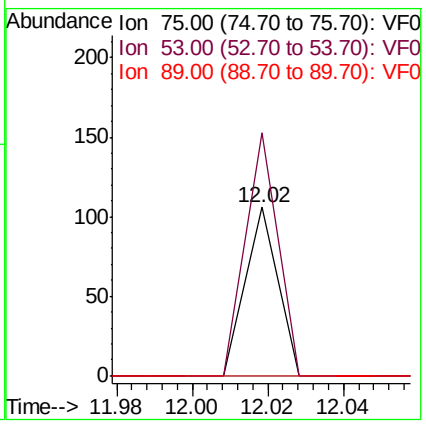


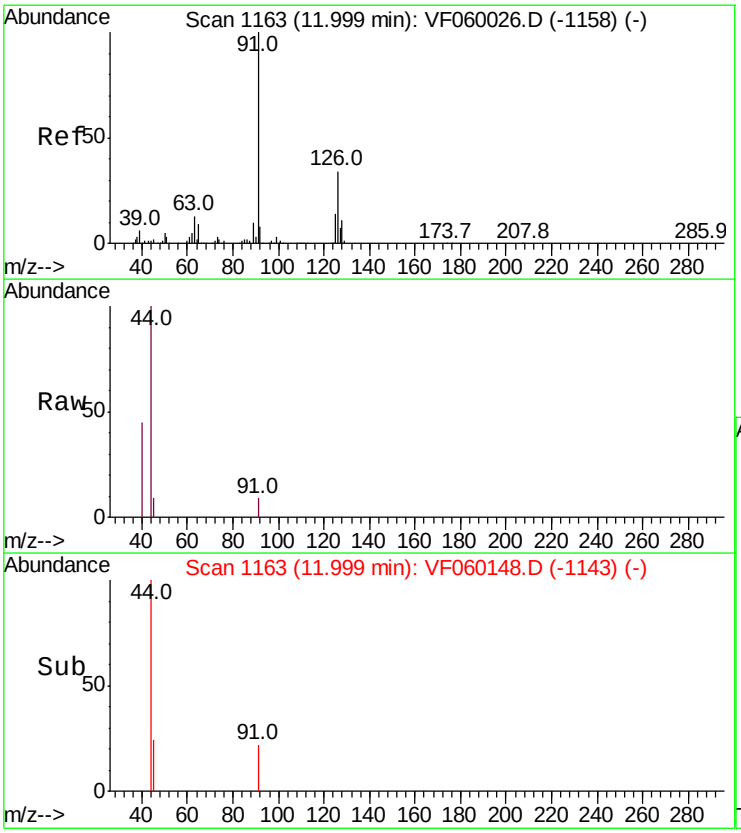
#81
trans-1,4-Dichloro-2-butene
Concen: 195.744 ug/l
RT: 12.02 min Scan# 1165
Delta R.T. 0.06 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Tgt Ion: 75 Resp: 63

Ion	Ratio	Lower	Upper
75	100		
53	144.3	66.2	99.4#
89	0.0	42.8	64.2#

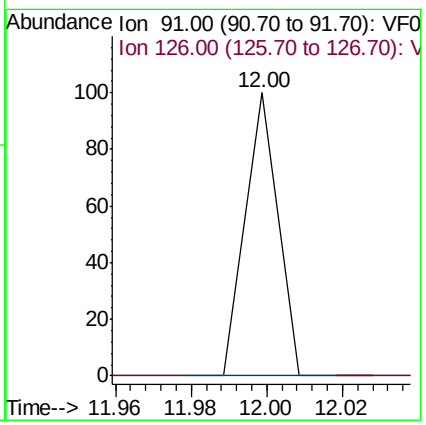


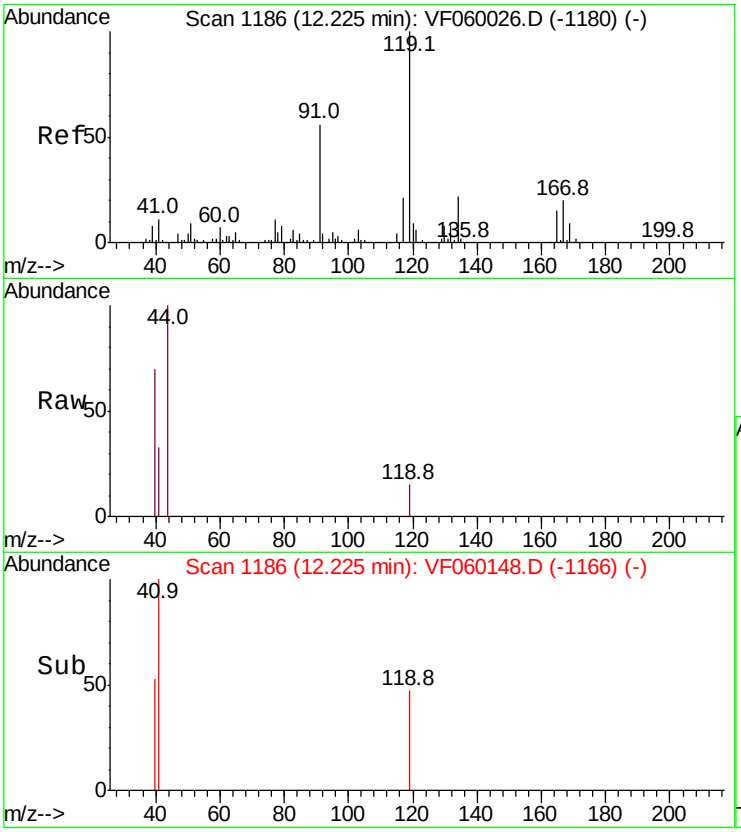


#82
4-Chlorotoluene
Concen: 18.028 ug/l
RT: 12.00 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion: 91 Resp: 59

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.0	50.9#



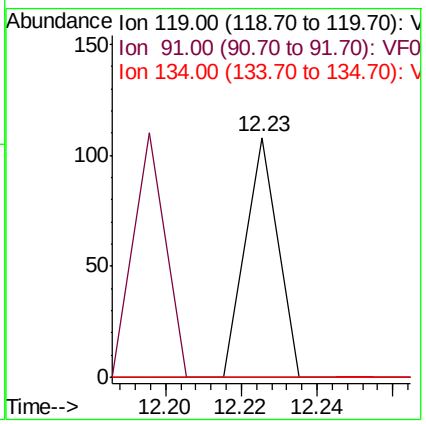


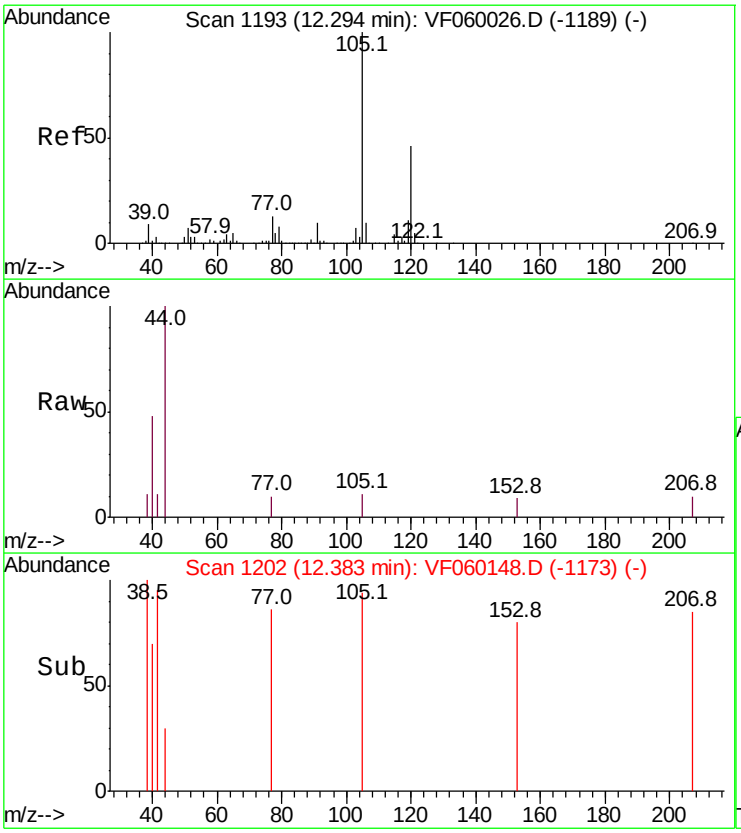
#83
tert-Butylbenzene
Concen: 18.134 ug/l
RT: 12.23 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Tgt Ion:119 Resp: 64

Ion	Ratio	Lower	Upper
119	100		
91	0.0	28.1	84.3#
134	0.0	11.1	33.3#

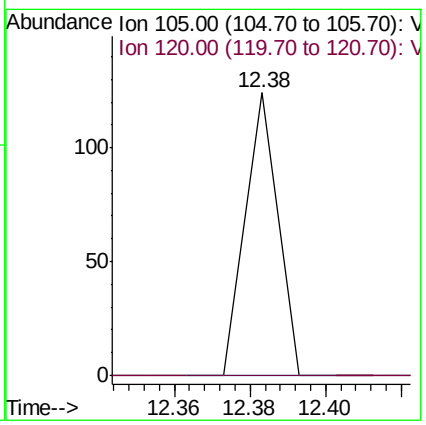


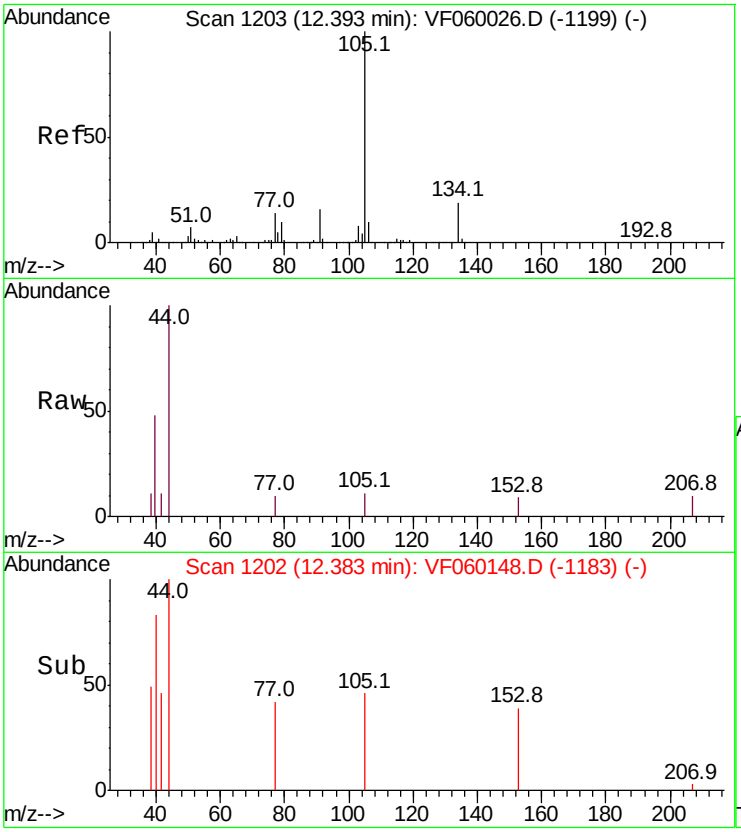


#84
1,2,4-Trimethylbenzene
Concen: 18.976 ug/l
RT: 12.38 min Scan# 1202
Delta R.T. 0.09 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion:105 Resp: 73

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.3	69.8#



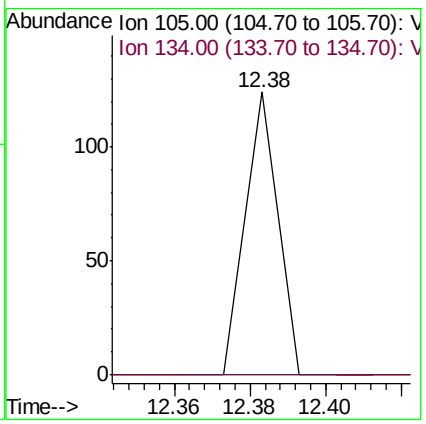


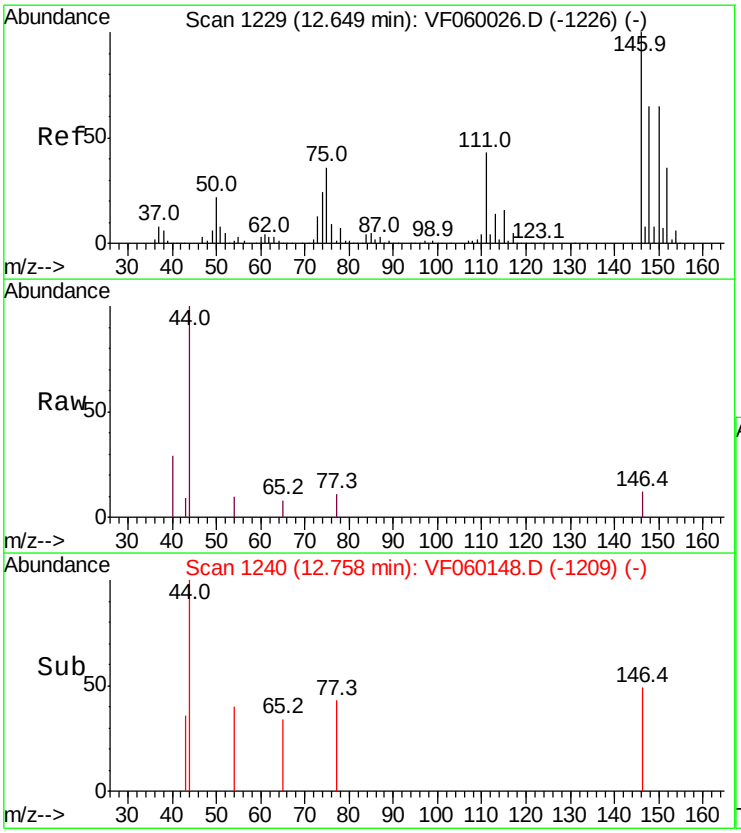
#85
sec-Butylbenzene
Concen: 14.858 ug/l
RT: 12.38 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :
BU-01-082318

Tgt Ion:105 Resp: 73

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.3	27.9#

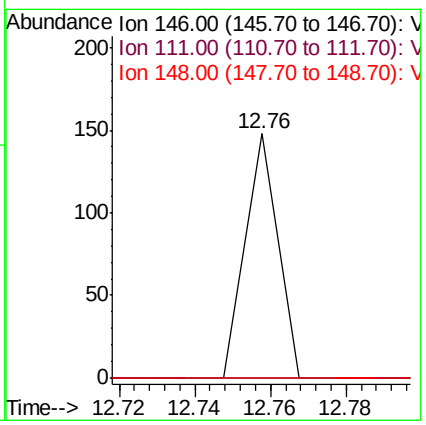


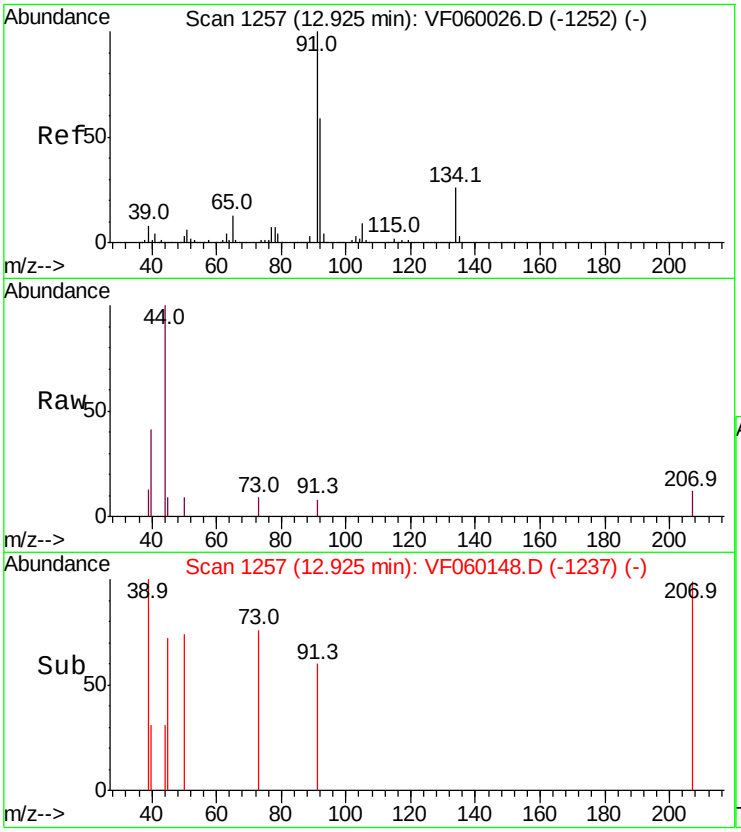


#88
1,4-Dichlorobenzene
Concen: 42.398 ug/l
RT: 12.76 min Scan# 1240
Delta R.T. 0.11 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion:146 Resp: 88

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.6	64.8#
148	0.0	32.3	96.8#



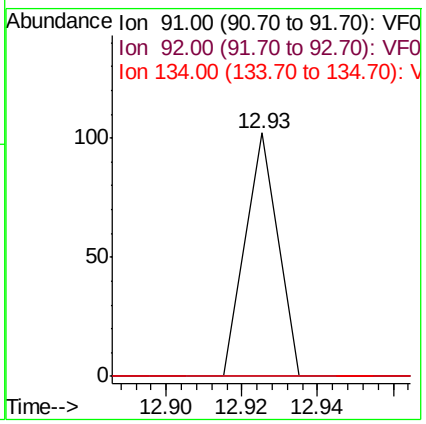


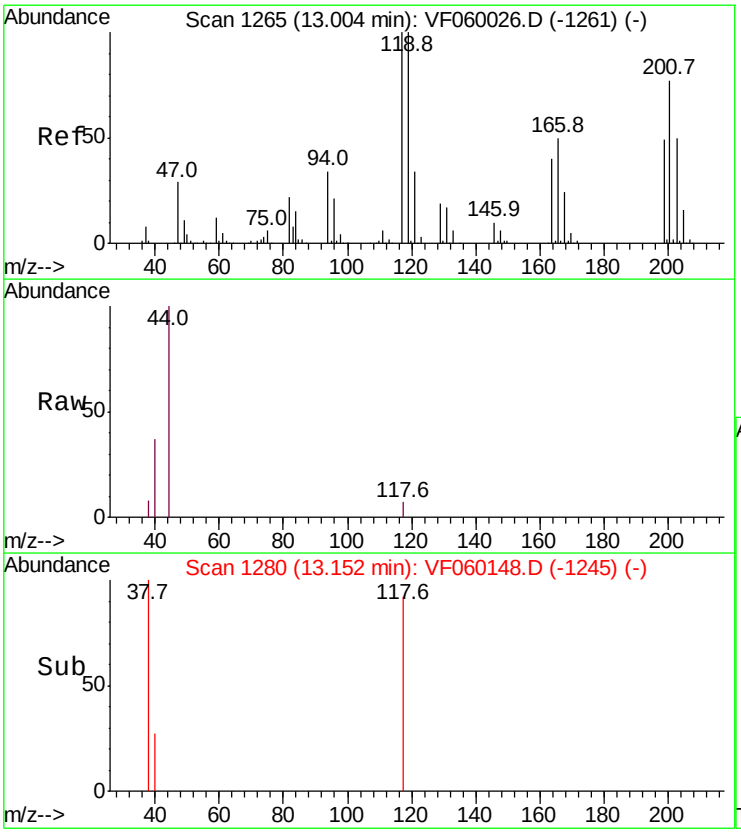
#89
n-Butylbenzene
Concen: 15.151 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument : MSVOA_F
ClientSampleId : BU-01-082318

Tgt Ion: 91 Resp: 60

Ion	Ratio	Lower	Upper
91	100		
92	0.0	29.3	87.9#
134	0.0	12.8	38.3#

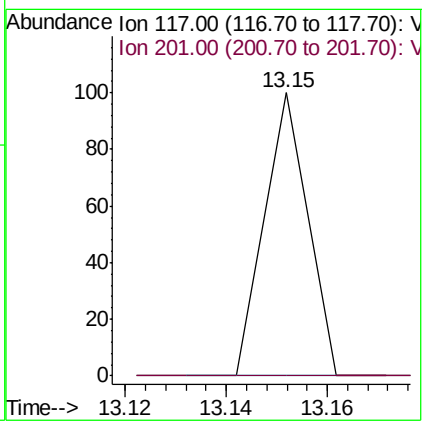


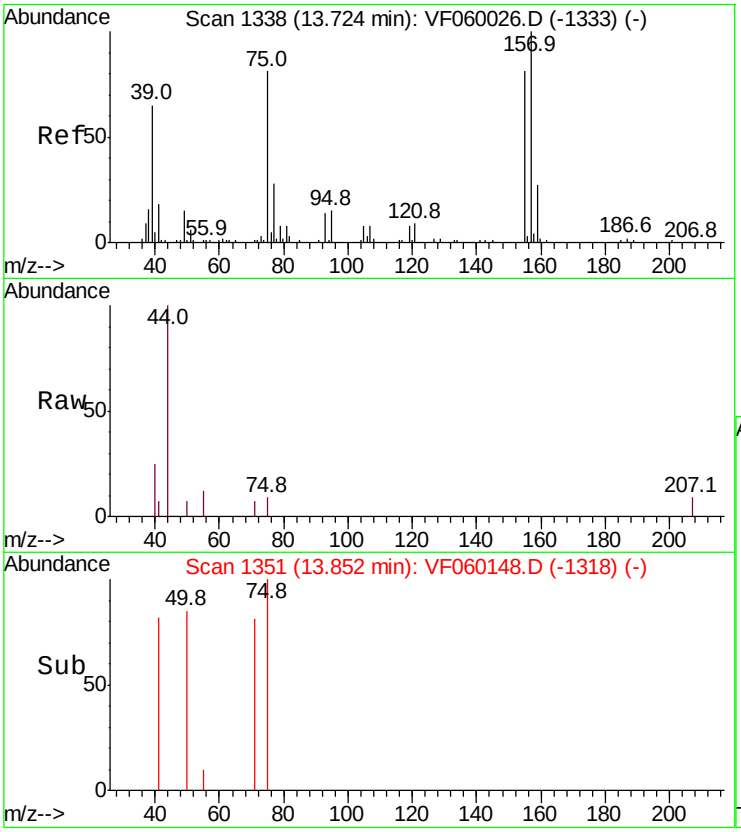


#90
Hexachloroethane
Concen: 64.412 ug/l
RT: 13.15 min Scan# 1280
Delta R.T. 0.15 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion:117 Resp: 59

Ion	Ratio	Lower	Upper
117	100		
201	0.0	38.6	115.8#



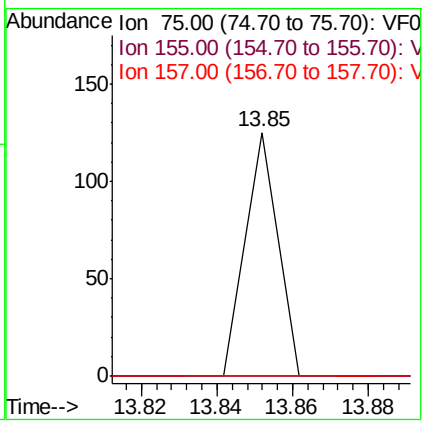


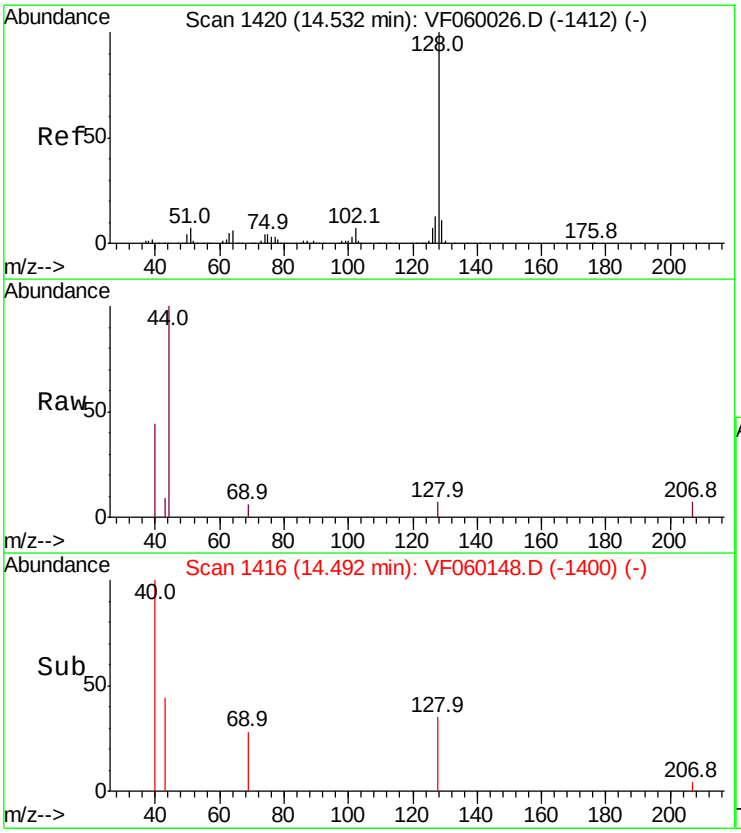
#92
1,2-Dibromo-3-Chloropropane
Concen: 399.218 ug/l
RT: 13.85 min Scan# 1351
Delta R.T. 0.13 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Instrument :
MSVOA_F
ClientSampleId :
BU-01-082318

Tgt Ion: 75 Resp: 74

Ion	Ratio	Lower	Upper
75	100		
155	0.0	49.8	149.3#
157	0.0	61.6	184.7#





#95
Naphthalene
Concen: 53.975 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.04 min
Lab File: VF060148.D
Acq: 28 Aug 2018 14:27

Tgt Ion:128 Resp: 139

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.5	12.7#