Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051219\
Data File : VF062507.D
Acq On : 12 May 2019 17:09
Operator : FY/SY
Sample : K2734-09
Misc : 5.69g/5mL/MSVOA_F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P026-SS012-1218-01

Quant Time: May 13 04:47:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	64803	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	128277	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	79159	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	29741	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	86347	140.99	ug/l	0.03
Spiked Amount 50.000			Recovery = 281.98%			
35) Dibromofluoromethane	4.33	113	82201	80.43	ug/l	0.03
Spiked Amount 50.000			Recovery = 160.86%			
50) Toluene-d8	7.73	98	63040	25.48	ug/l	0.03
Spiked Amount 50.000			Recovery = 50.96%			
62) 4-Bromofluorobenzene	11.51	95	23718	21.25	ug/l	0.02
Spiked Amount 50.000			Recovery = 42.50%			
Target Compounds						Qvalue
3) Chloromethane	1.18	50	599	1.211	ug/l #	42
5) Bromomethane	1.44	94	893	Below Cal	#	21
8) Diethyl Ether	1.73	74	602	3.887	ug/l	76
11) Tert butyl alcohol	2.72	59	871	25.165	ug/l #	79
13) Acrolein	2.10	56	254	Below Cal	#	13
14) Allyl chloride	2.20	41	654	1.490	ug/l #	81
15) Acrylonitrile	3.10	53	800	12.202	ug/l #	2
16) Acetone	2.36	43	8166	65.915	ug/l #	70
18) Methyl Acetate	2.47	43	937	1.083	ug/l #	58
19) Methyl tert-butyl Ether	2.57	73	2319	2.261	ug/l #	61
20) Methylene Chloride	2.34	84	2361	5.267	ug/l	92
21) trans-1,2-Dichloroethene	2.45	96	511	1.080	ug/l #	12
25) 2-Butanone	4.56	43	590	3.791	ug/l #	60
26) 2,2-Dichloropropane	3.79	77	801	1.730	ug/l	88
29) Tetrahydrofuran	4.29	42	1166	16.300	ug/l #	77
37) Ethyl Acetate	4.31	43	666	Below Cal	#	67
38) Carbon Tetrachloride	4.16	117	60	Below Cal	#	14
39) Methylcyclohexane	5.80	83	2366	2.141	ug/l #	40
48) Methyl methacrylate	6.93	41	428	1.208	ug/l #	26
49) 1,4-Dioxane	6.93	88	179	36.546	ug/l #	16
51) 4-Methyl-2-Pentanone	8.44	43	1232	3.244	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.46	63	172	1.140	ug/l #	42
74) N-amyl acetate	11.46	43	431	1.139	ug/l #	56
81) trans-1,4-Dichloro-2-buten	11.95	75	193	2.438	ug/l #	44
92) 1,2-Dibromo-3-Chloropropan	13.67	75	193	3.121	ug/l #	1

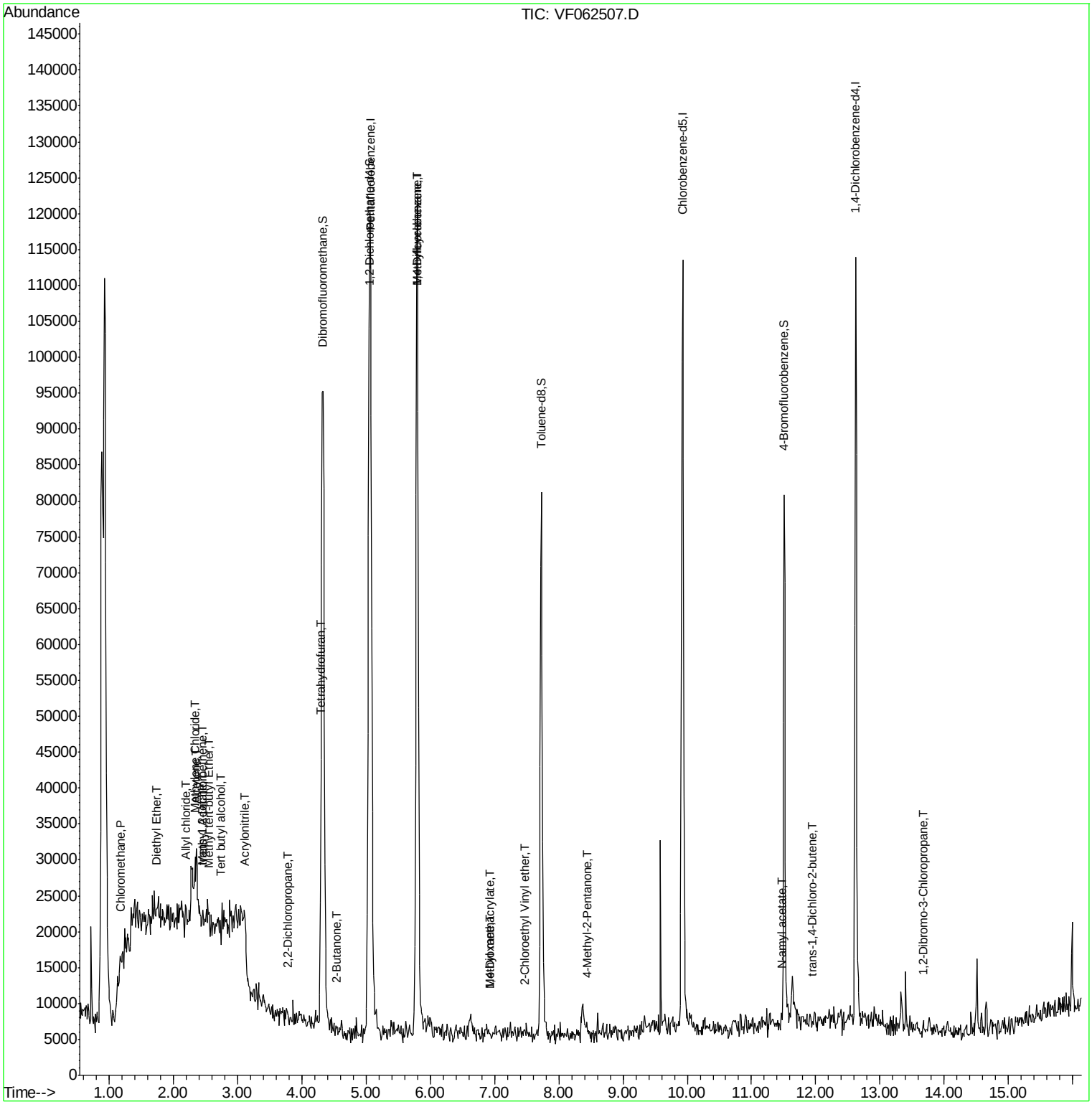
(#) = qualifier out of range (m) = manual integration (+) = signals summed

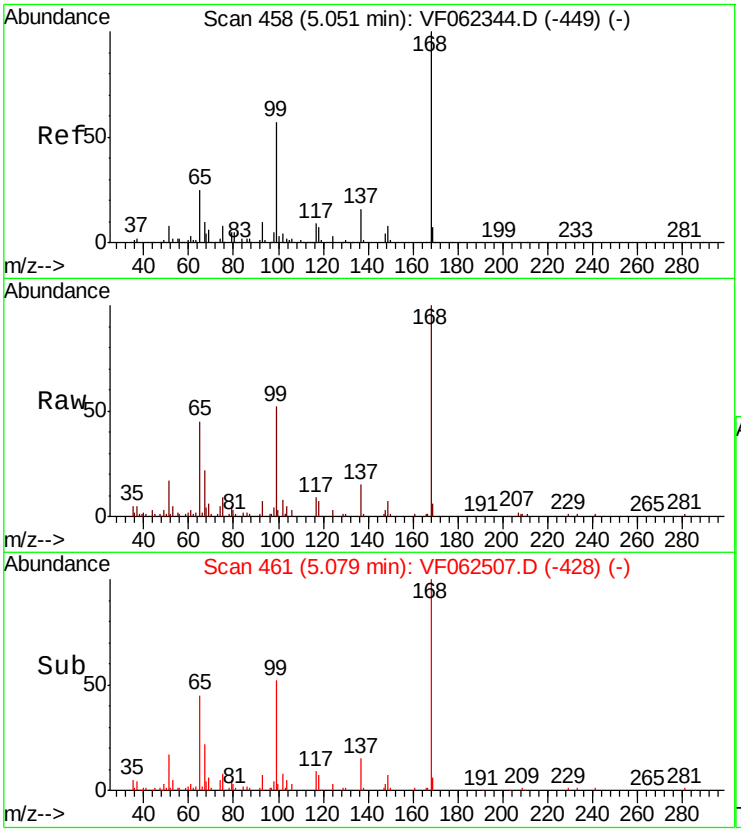
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
Data File : VF062507.D
Acq On : 12 May 2019 17:09
Operator : FY/SY
Sample : K2734-09
Misc : 5.69g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Quant Time: May 13 04:47:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration



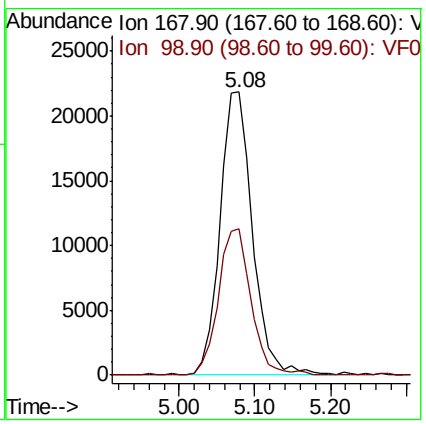


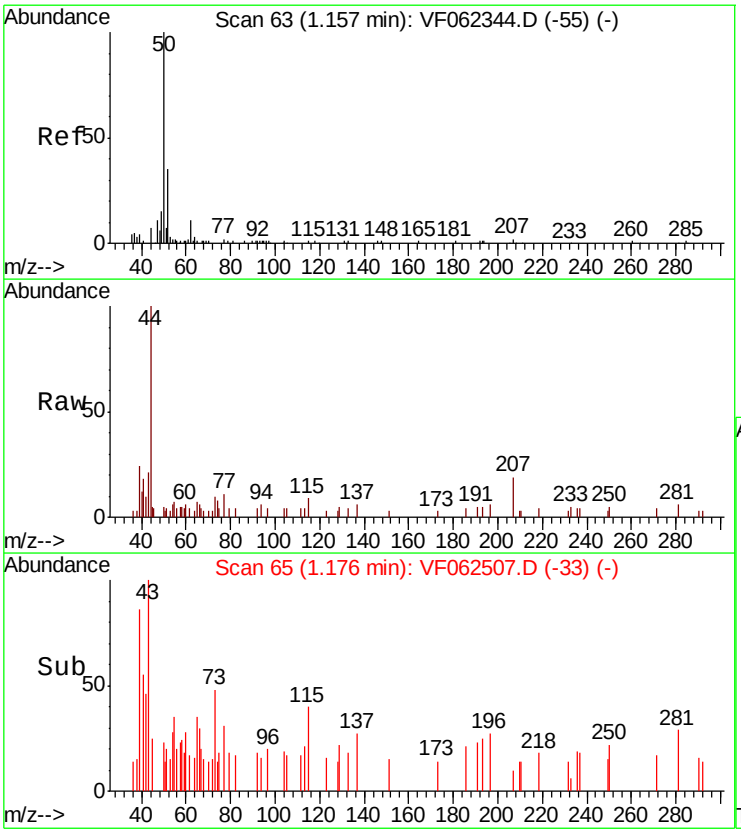
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.08 min Scan# 461
Delta R.T. 0.03 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion:168 Resp: 64803

Ion	Ratio	Lower	Upper
168	100		
99	51.9	45.9	68.9

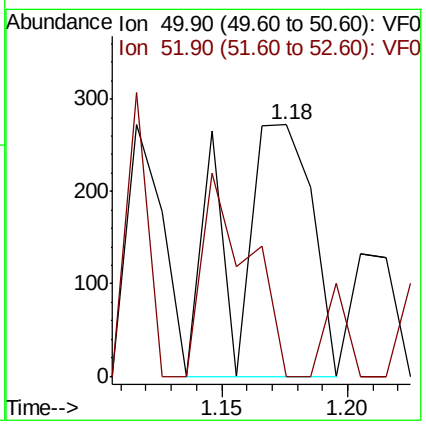


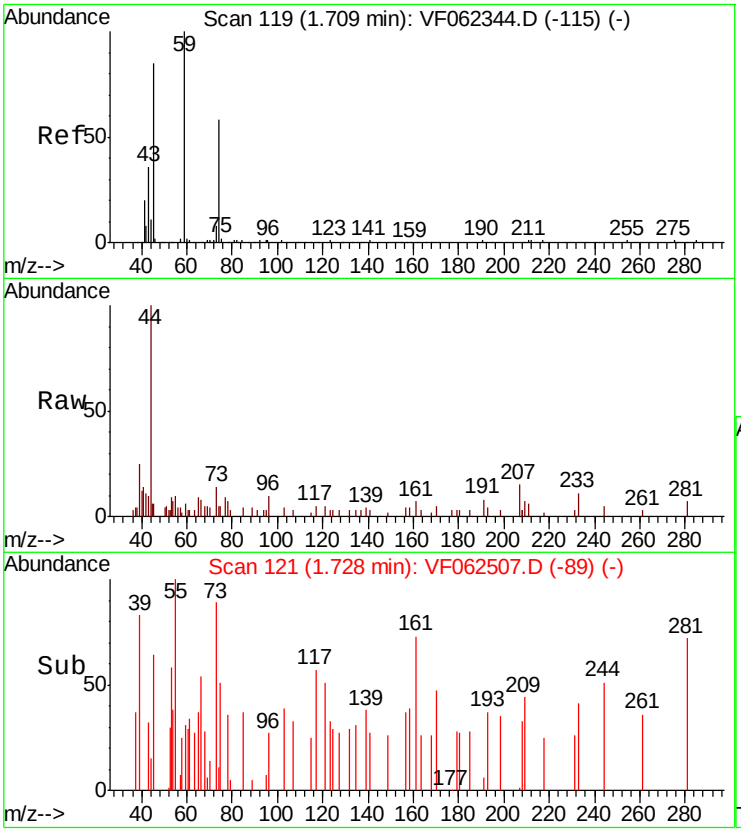


#3
Chloromethane
Concen: 1.211 ug/l
RT: 1.18 min Scan# 65
Delta R.T. 0.02 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 50 Resp: 599

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.1	39.1#



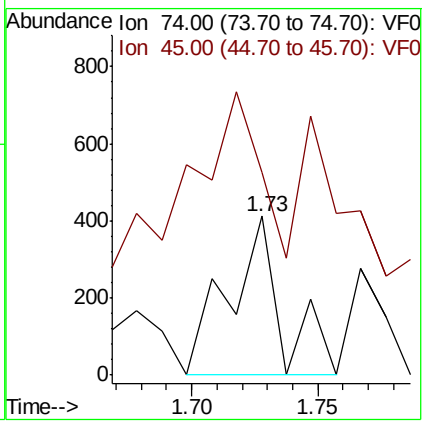


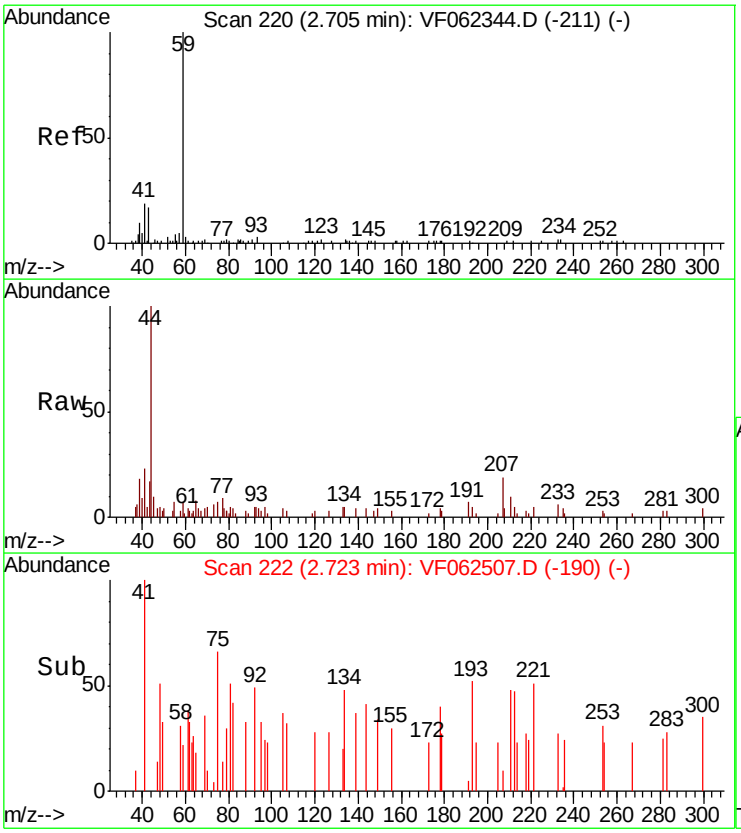
#8
Diethyl Ether
Concen: 3.887 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.02 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion: 74 Resp: 602

Ion	Ratio	Lower	Upper
74	100		
45	117.6	73.9	221.6

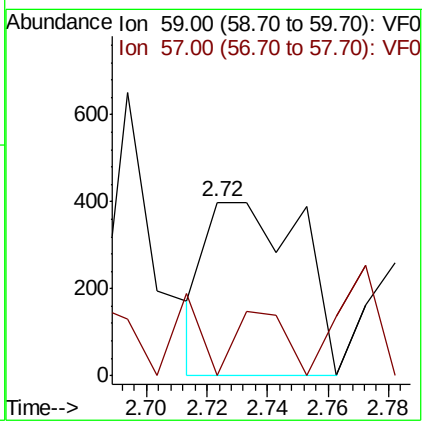


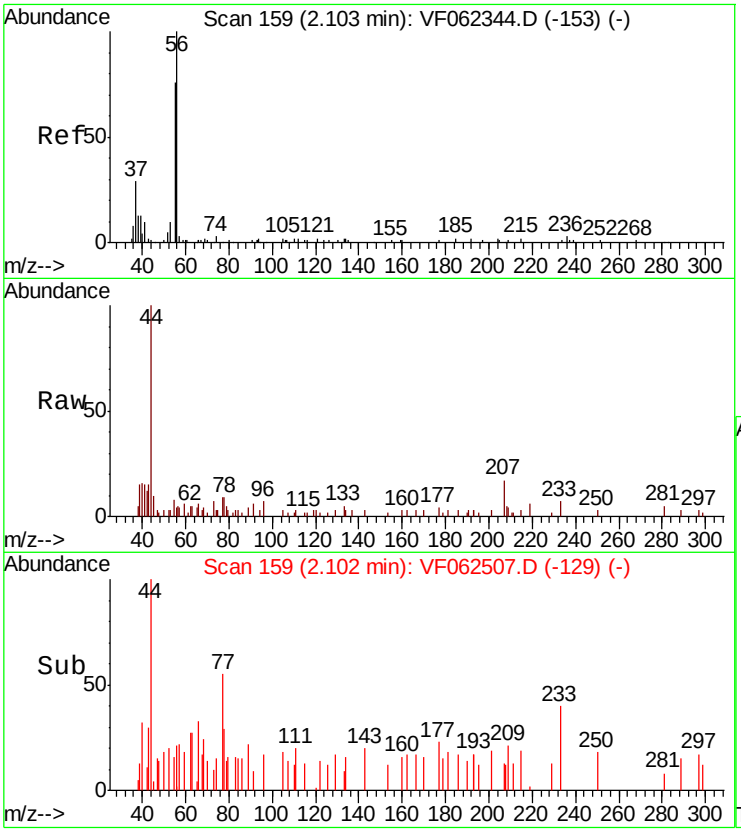


#11
Tert butyl alcohol
Concen: 25.165 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 59 Resp: 871

Ion	Ratio	Lower	Upper
59	100		
57	19.5	9.3	13.9#



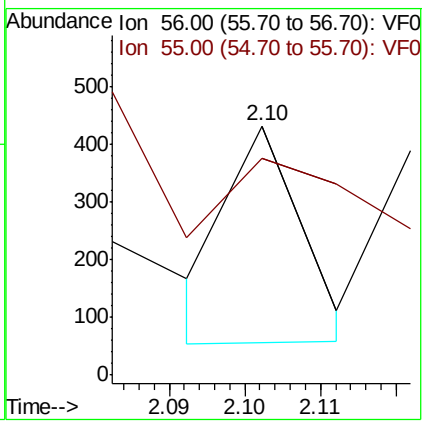


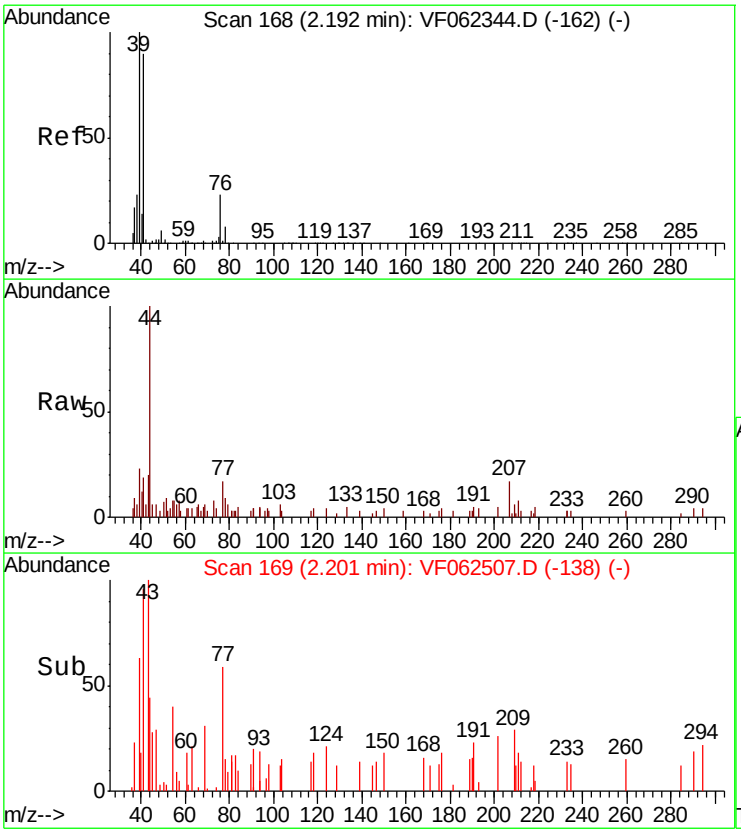
#13
Acrolein
Concen: Below Cal
RT: 2.10 min Scan# 159
Delta R.T. -0.00 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion: 56 Resp: 254

Ion	Ratio	Lower	Upper
56	100		
55	0.0	58.4	87.6#

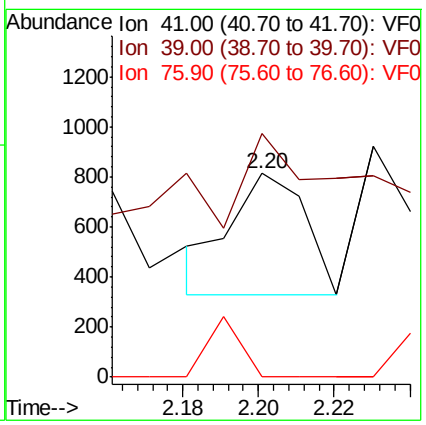


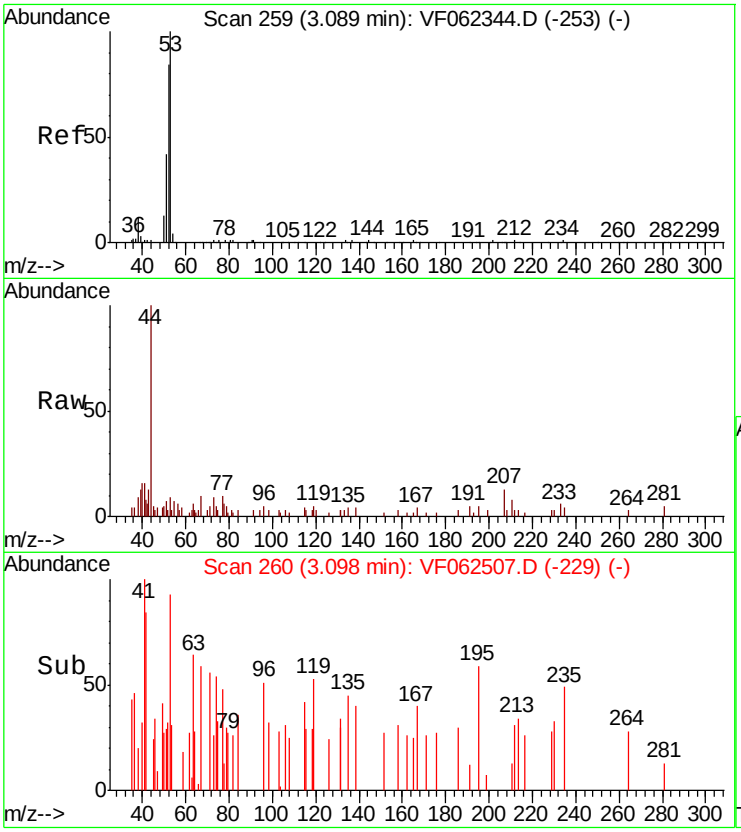


#14
Allyl chloride
Concen: 1.490 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 41 Resp: 654

Ion	Ratio	Lower	Upper
41	100		
39	90.5	90.8	136.2#
76	22.0	22.2	33.4#



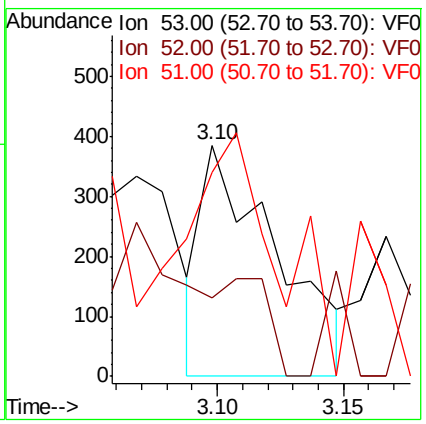


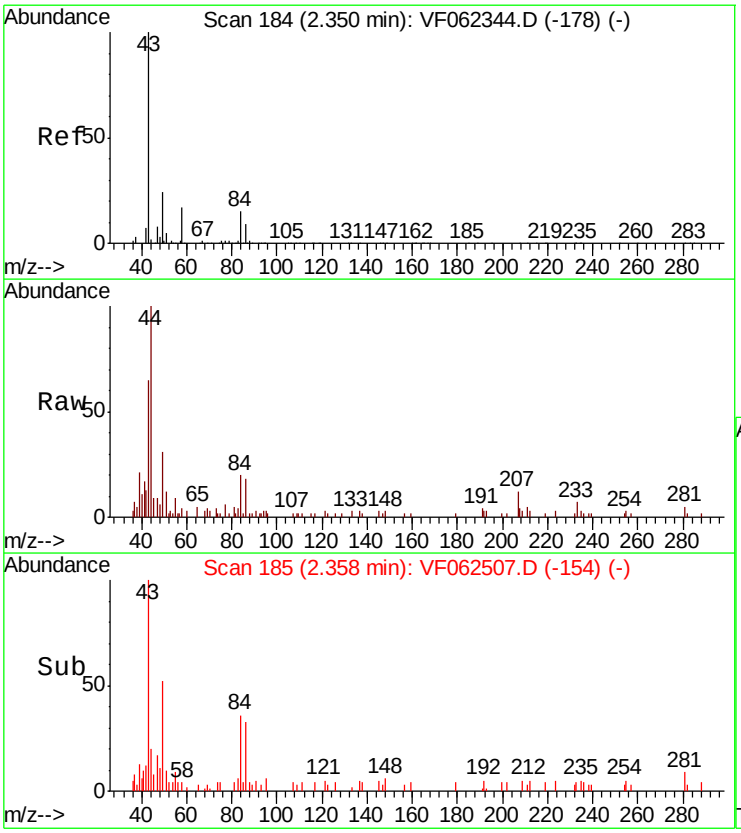
#15
Acrylonitrile
Concen: 12.202 ug/l
RT: 3.10 min Scan# 260
Delta R.T. 0.01 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion: 53 Resp: 800

Ion	Ratio	Lower	Upper
53	100		
52	0.0	77.2	115.8#
51	117.9	40.6	61.0#

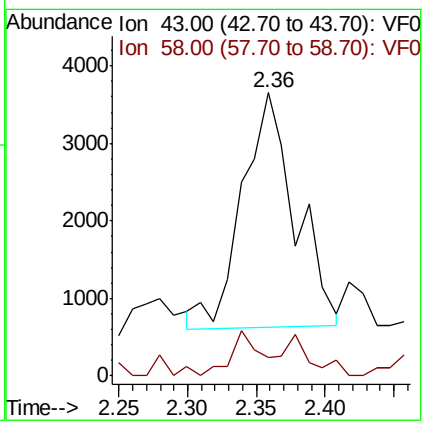


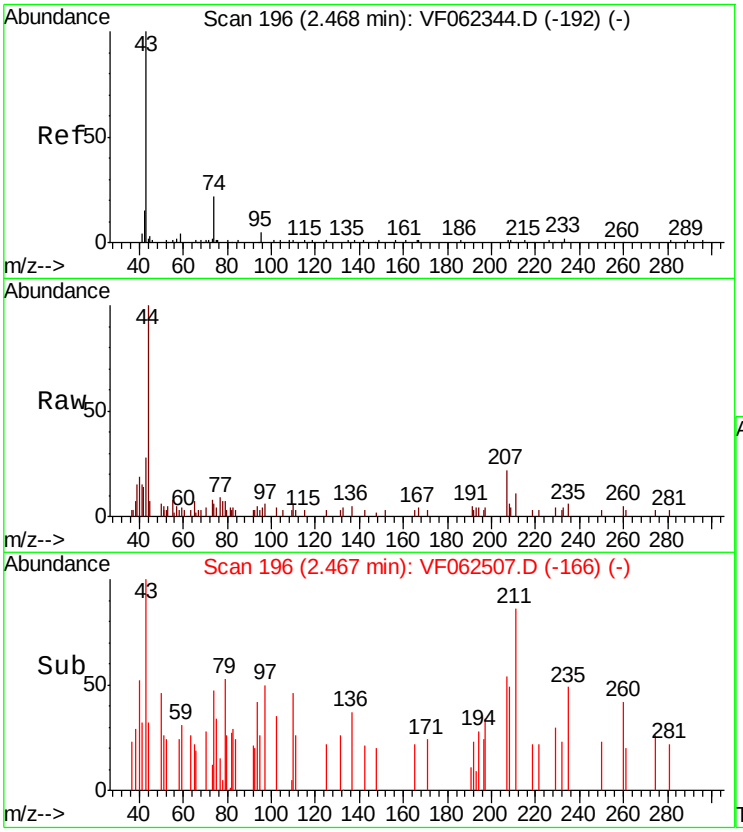


#16
Acetone
Concen: 65.915 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 43 Resp: 8166

Ion	Ratio	Lower	Upper
43	100		
58	3.7	13.1	19.7#



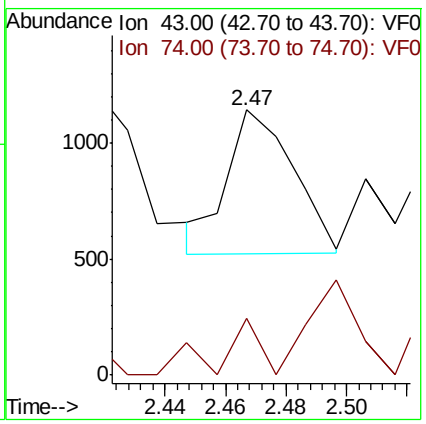


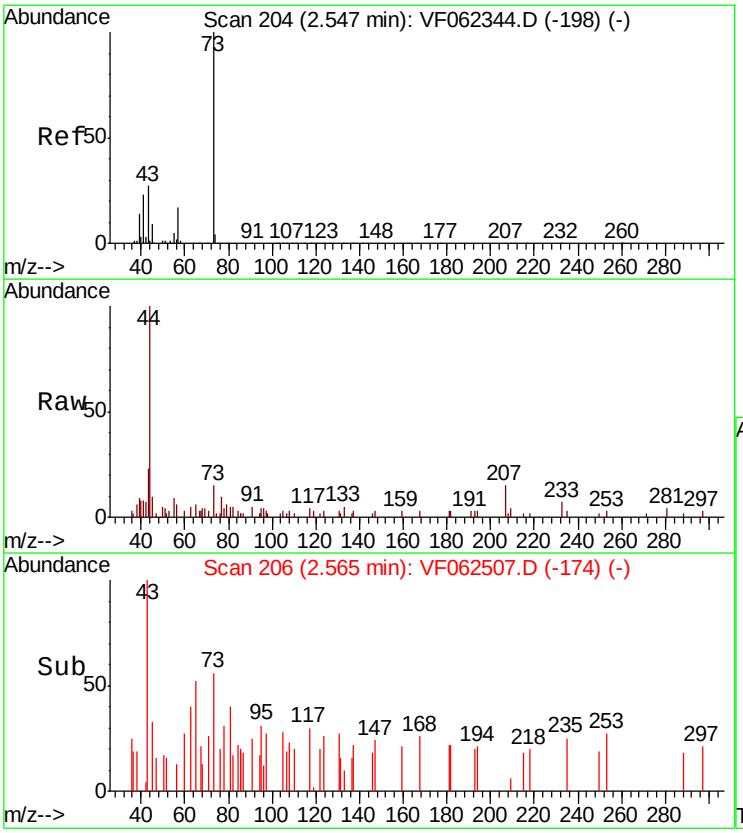
#18
Methyl Acetate
Concen: 1.083 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion: 43 Resp: 937

Ion	Ratio	Lower	Upper
43	100		
74	0.0	15.0	22.4#

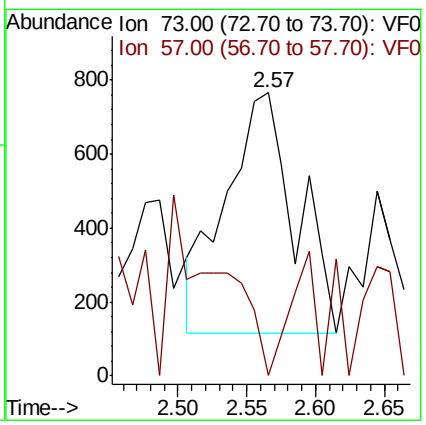


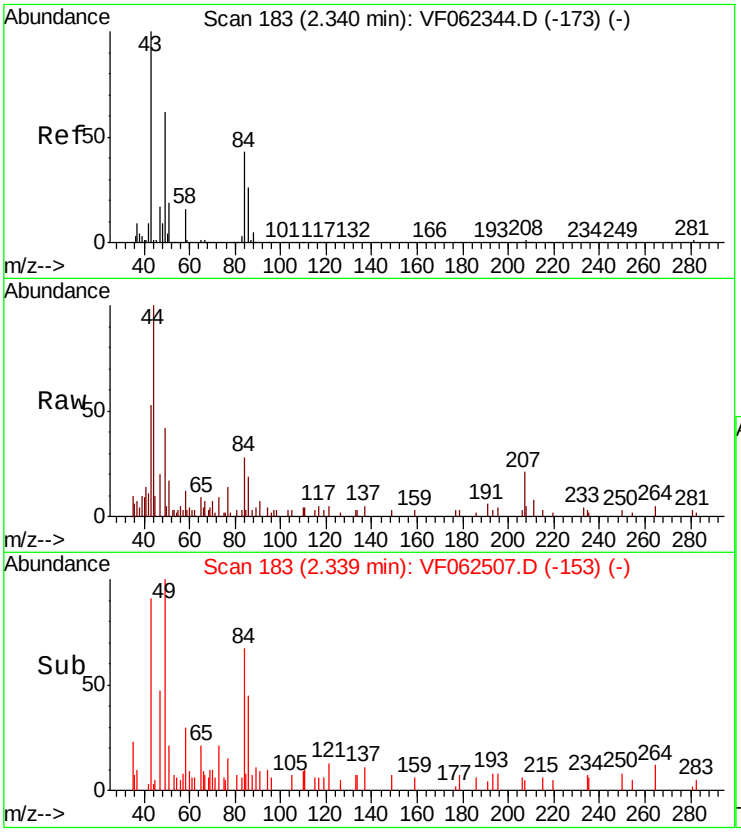


#19
Methyl tert-butyl Ether
Concen: 2.261 ug/l
RT: 2.57 min Scan# 206
Delta R.T. 0.02 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 73 Resp: 2319

Ion	Ratio	Lower	Upper
73	100		
57	0.0	13.7	20.5#



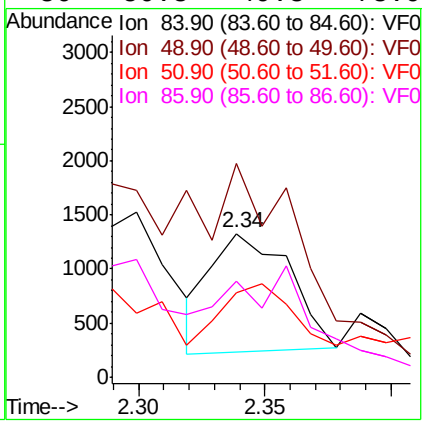


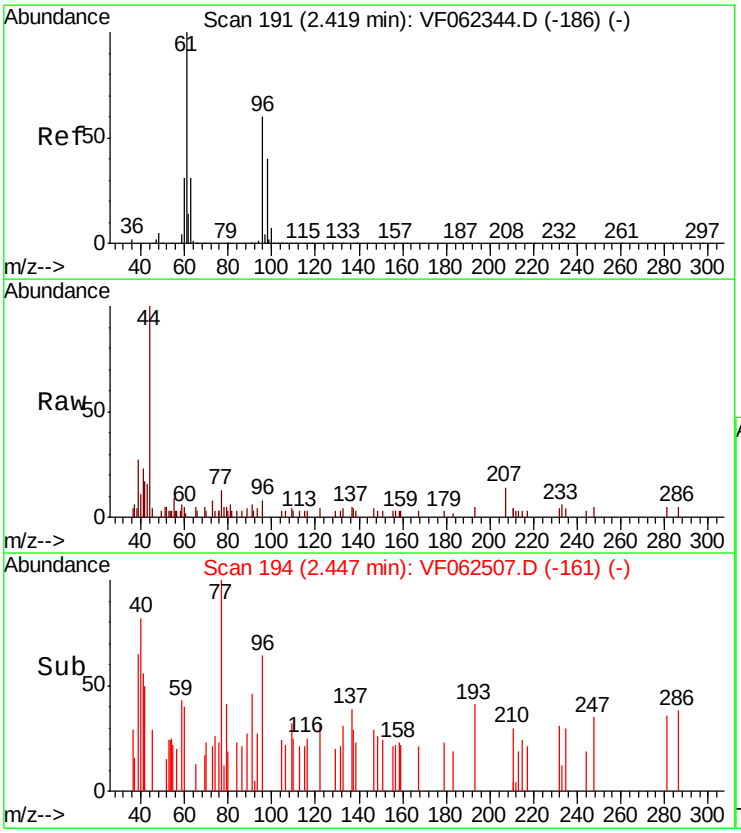
#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument : MSVOA_F
ClientSampleId : P026-SS012-1218-01

Tgt Ion: 84 Resp: 2361

Ion	Ratio	Lower	Upper
84	100		
49	137.6	117.5	176.3
51	46.2	37.0	55.4
86	50.3	49.3	73.9

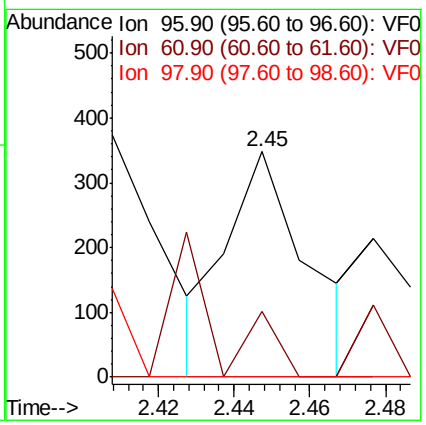


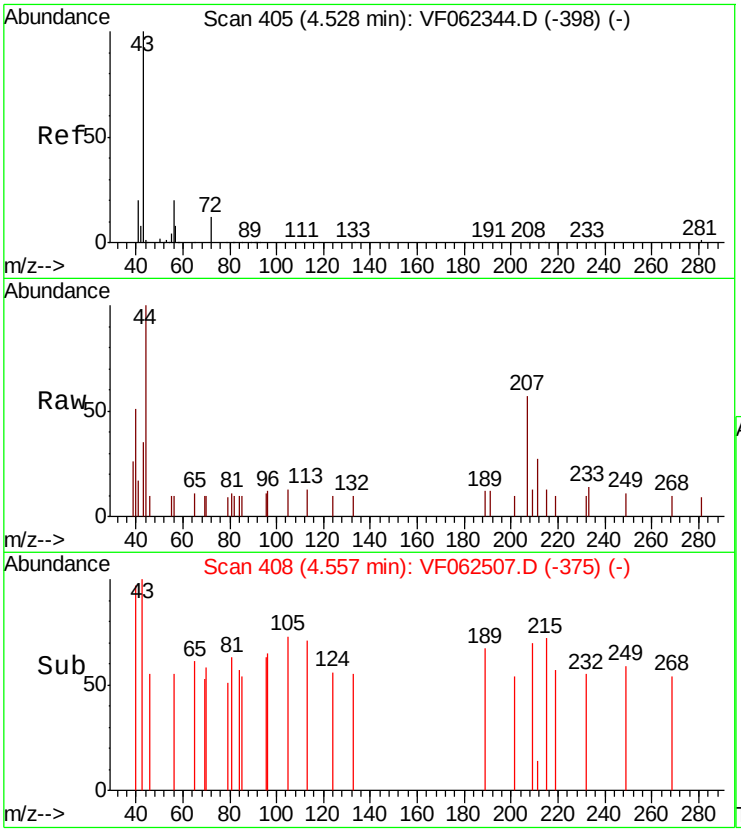


#21
trans-1,2-Dichloroethene
Concen: 1.080 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.03 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 96 Resp: 511

Ion	Ratio	Lower	Upper
96	100		
61	45.5	133.2	199.8#
98	0.0	53.1	79.7#



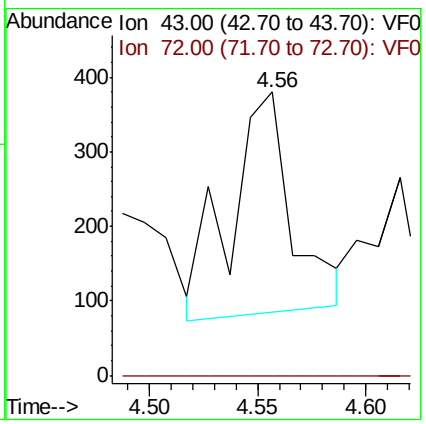


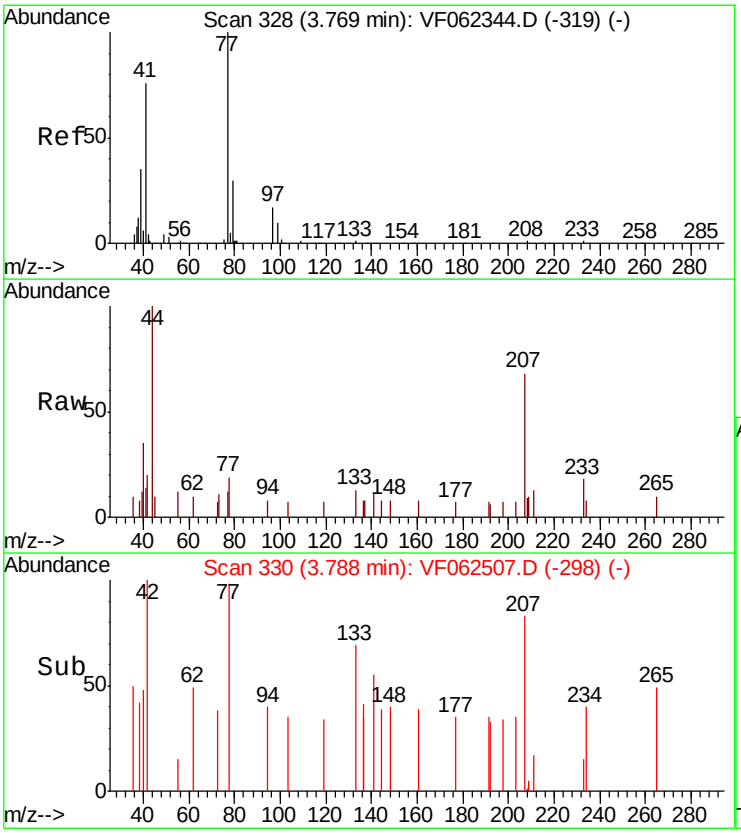
#25
2-Butanone
Concen: 3.791 ug/l
RT: 4.56 min Scan# 408
Delta R.T. 0.03 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument : MSVOA_F
ClientSampleId : P026-SS012-1218-01

Tgt Ion: 43 Resp: 590

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.2	21.4#

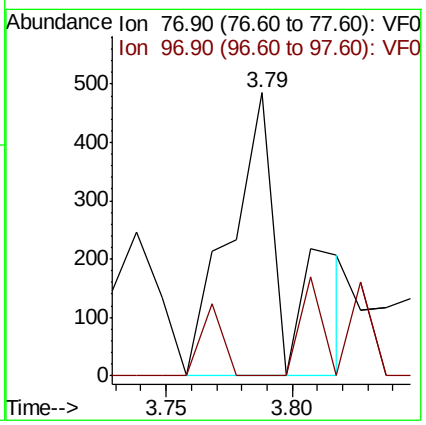


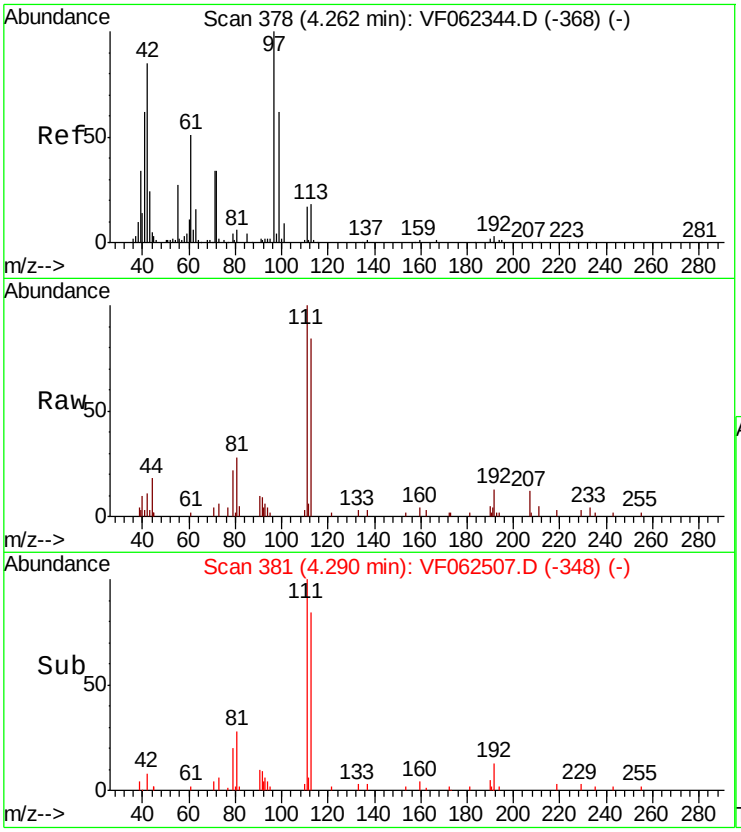


#26
2,2-Dichloropropane
Concen: 1.730 ug/l
RT: 3.79 min Scan# 330
Delta R.T. 0.02 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 77 Resp: 801

Ion	Ratio	Lower	Upper
77	100		
97	24.3	9.5	28.5



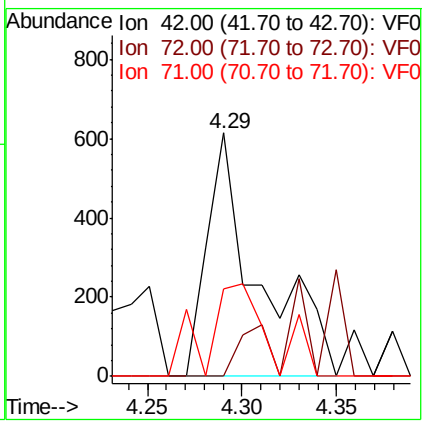


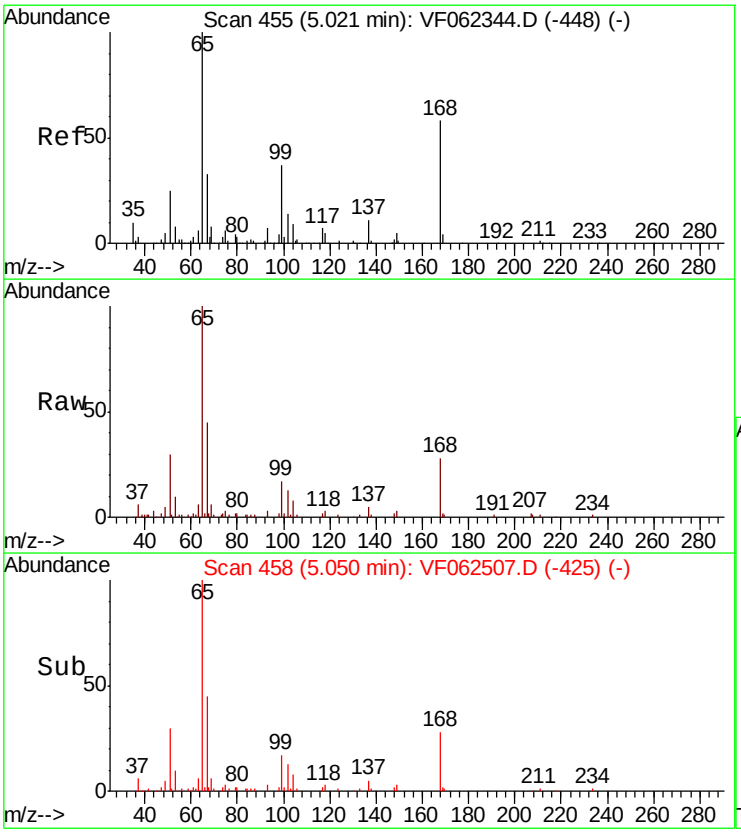
#29
Tetrahydrofuran
Concen: 16.300 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion: 42 Resp: 1166

Ion	Ratio	Lower	Upper
42	100		
72	12.0	31.4	47.0#
71	38.0	31.7	47.5

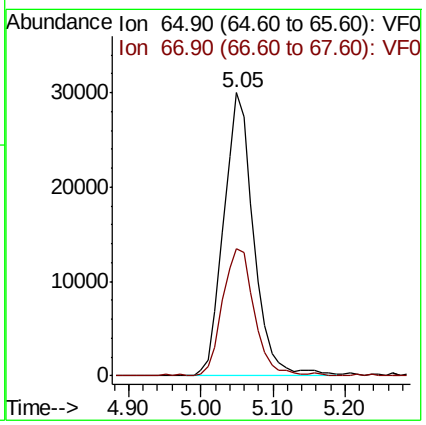


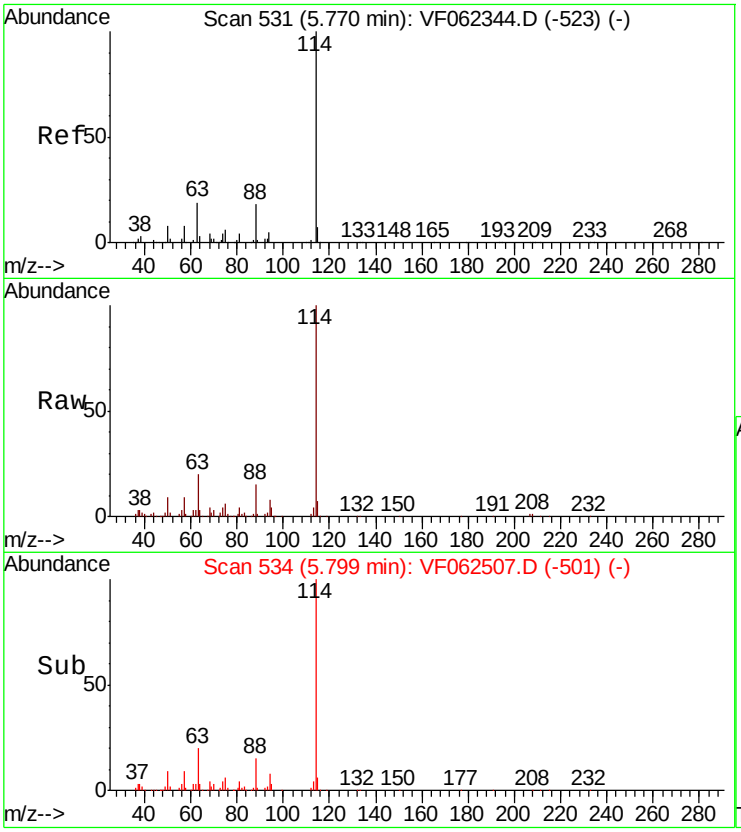


#33
1,2-Dichloroethane-d4
Concen: 140.994 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.03 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 65 Resp: 86347

Ion	Ratio	Lower	Upper
65	100		
67	48.0	0.0	85.8



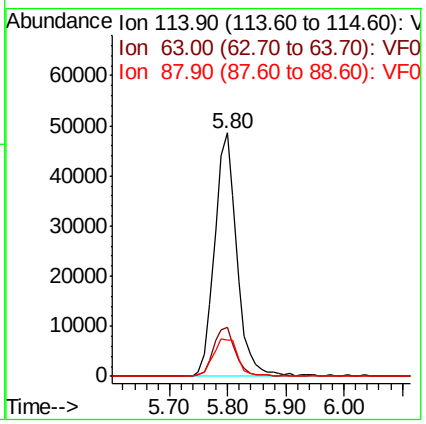


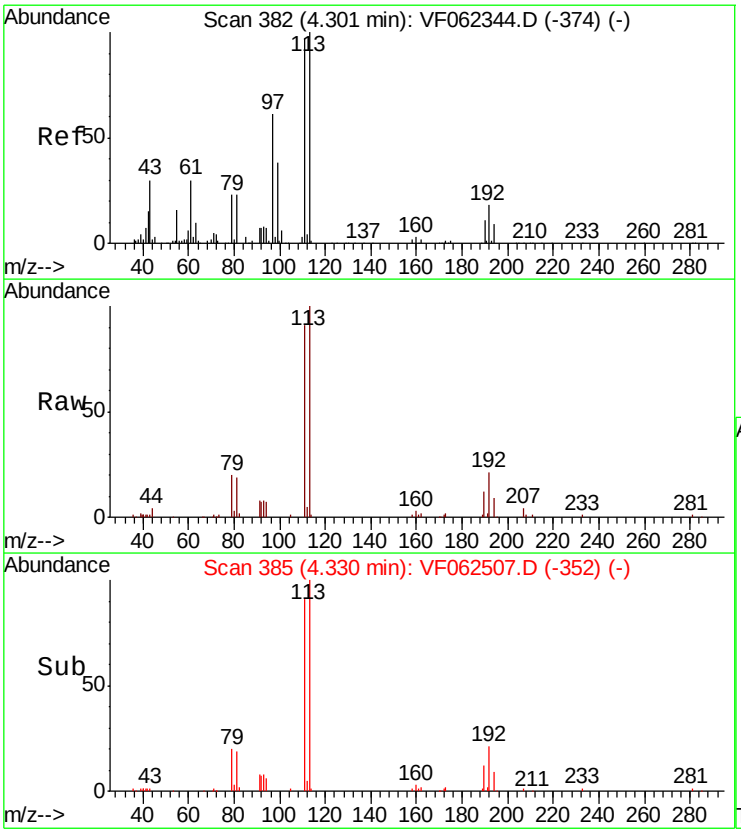
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.03 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion:114 Resp: 128277

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	37.4
88	15.0	0.0	36.4

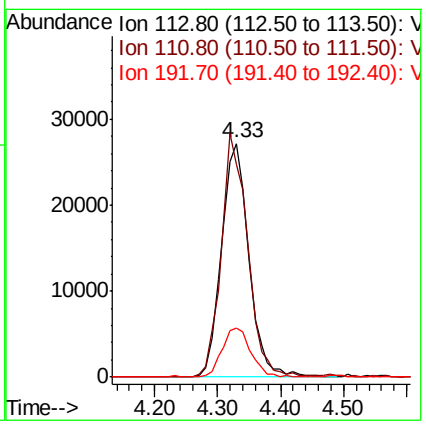


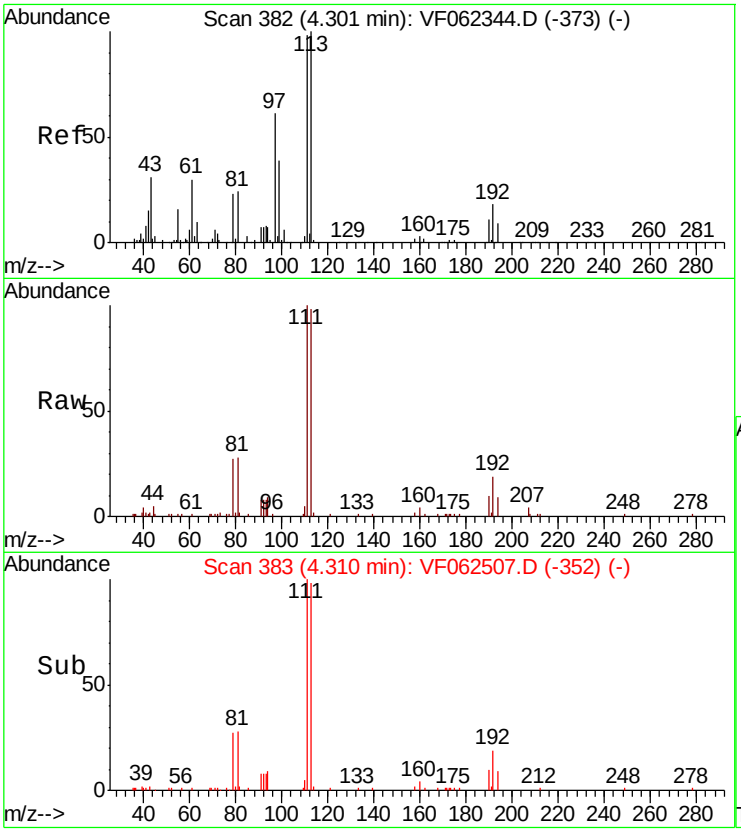


#35
Dibromofluoromethane
Concen: 80.435 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion:113 Resp: 82201

Ion	Ratio	Lower	Upper
113	100		
111	100.0	79.4	119.0
192	21.8	16.0	24.0



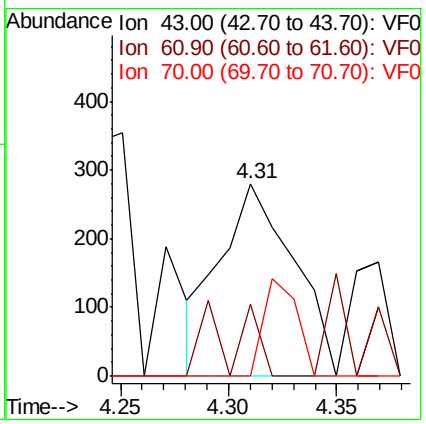


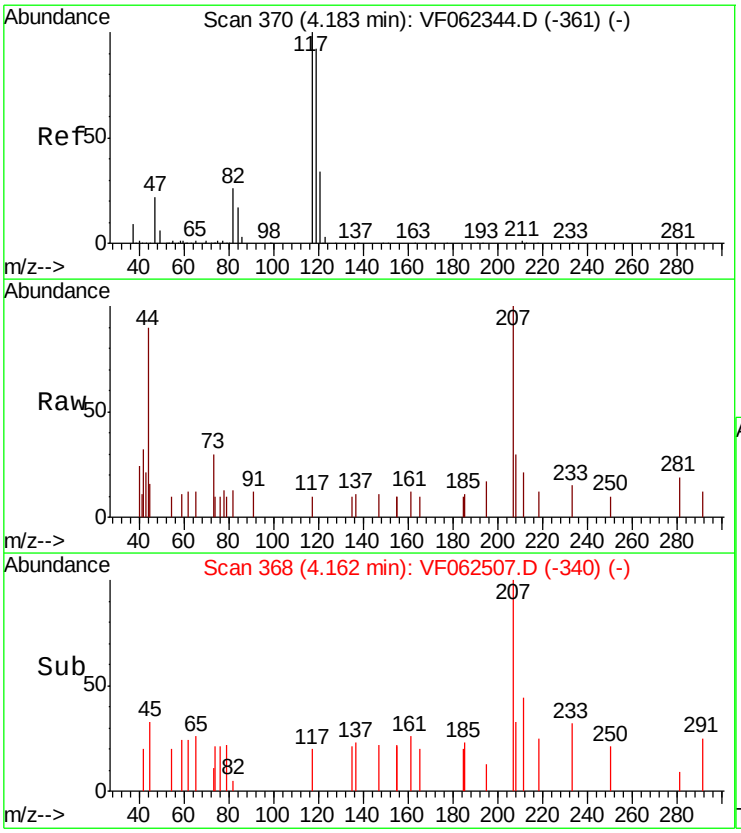
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument : MSVOA_F
ClientSampleId : P026-SS012-1218-01

Tgt Ion: 43 Resp: 666

Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	22.5	8.2	12.2#

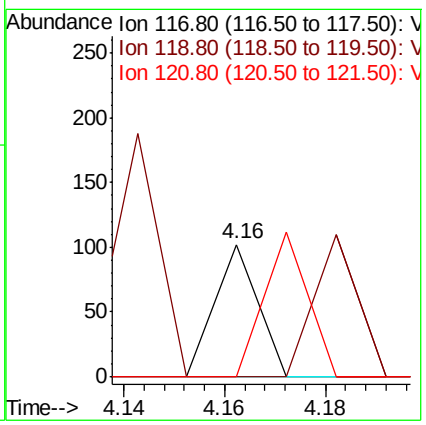


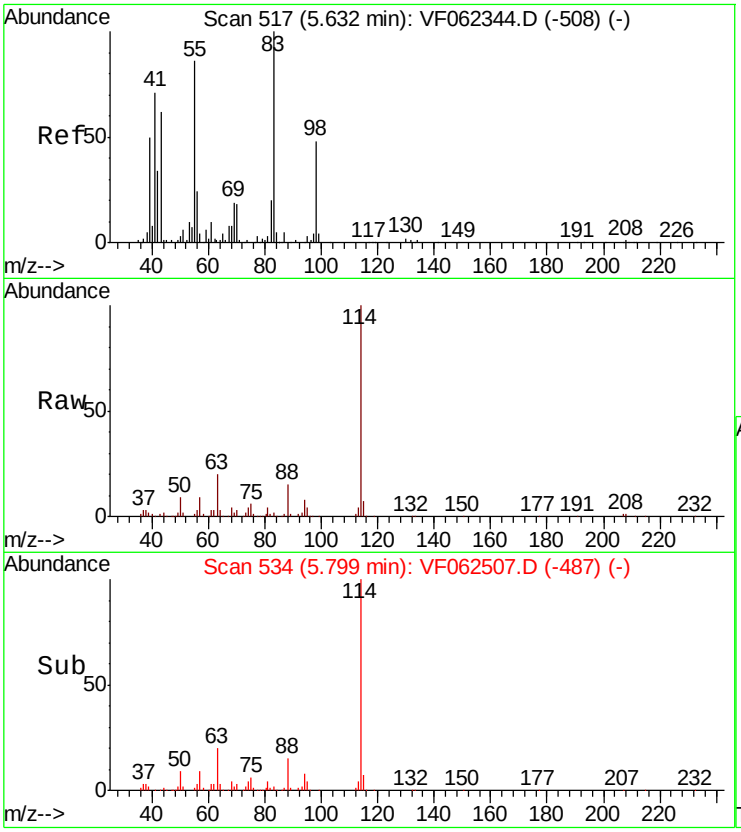


#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.16 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion:117 Resp: 60

Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.4	110.2#
121	0.0	27.4	41.0#



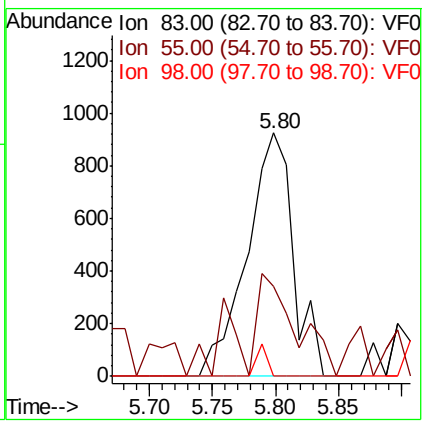


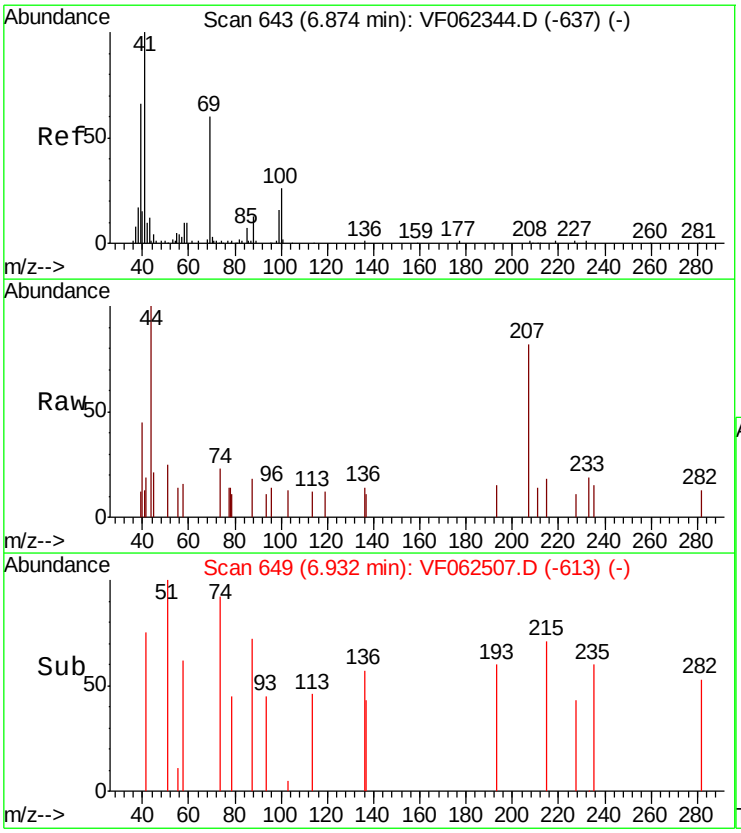
#39
Methylcyclohexane
Concen: 2.141 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.17 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion: 83 Resp: 2366

Ion	Ratio	Lower	Upper
83	100		
55	37.1	69.0	103.6#
98	0.0	38.6	58.0#

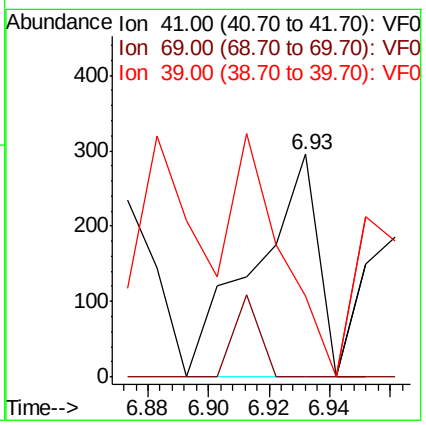


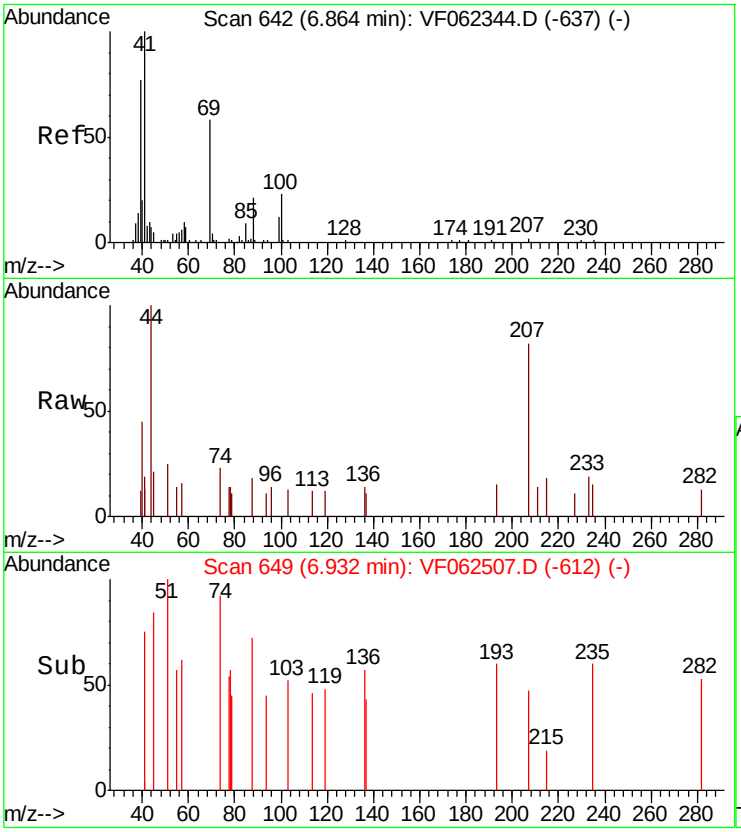


#48
Methyl methacrylate
Concen: 1.208 ug/l
RT: 6.93 min Scan# 649
Delta R.T. 0.06 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 41 Resp: 428

Ion	Ratio	Lower	Upper
41	100		
69	15.0	48.6	72.8#
39	0.0	56.1	84.1#



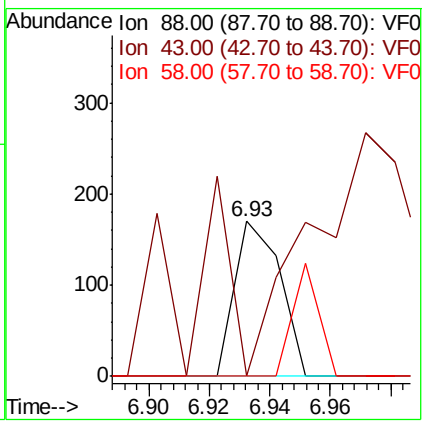


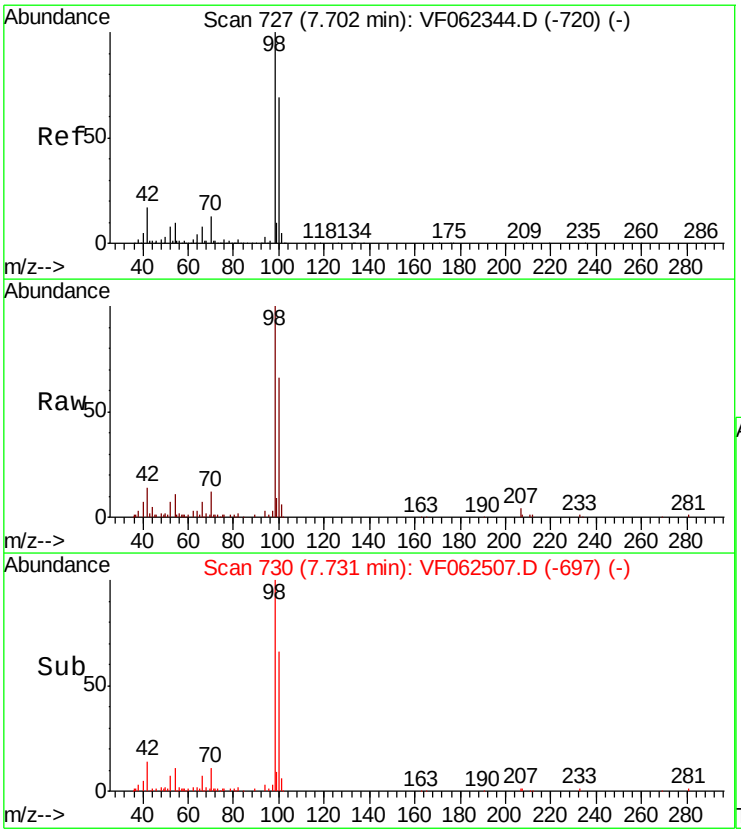
#49
1,4-Dioxane
Concen: 36.546 ug/l
RT: 6.93 min Scan# 649
Delta R.T. 0.07 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion: 88 Resp: 179

Ion	Ratio	Lower	Upper
88	100		
43	0.0	55.6	83.4#
58	0.0	52.8	79.2#

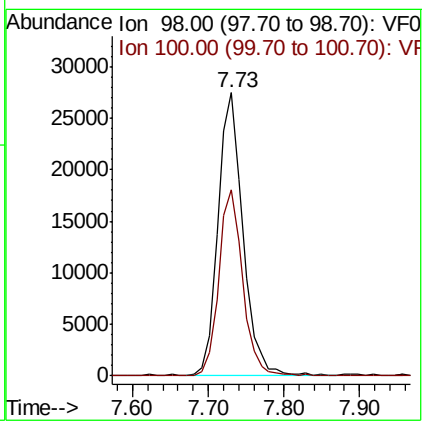


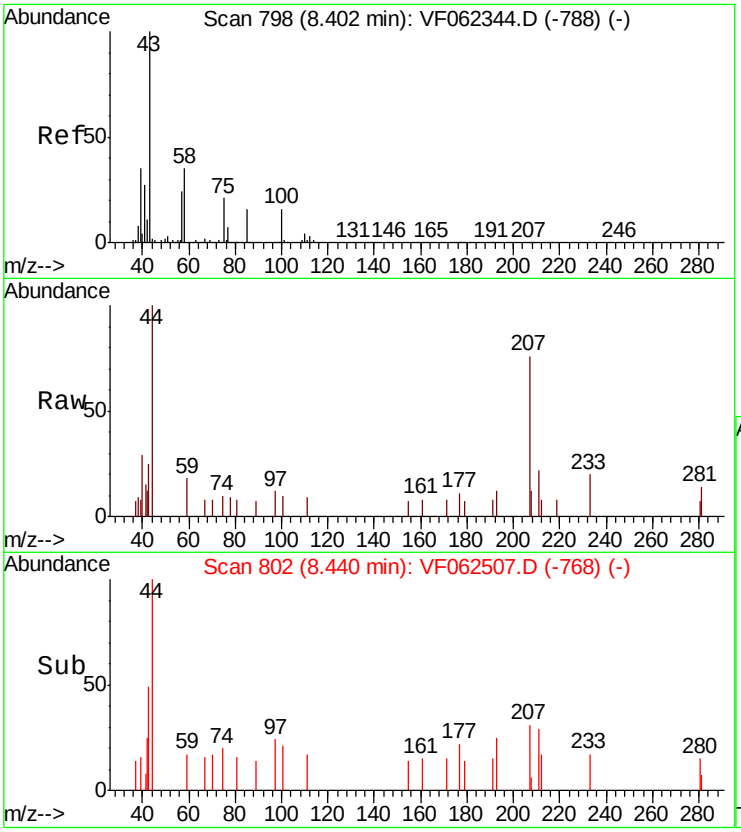


#50
Toluene-d8
Concen: 25.483 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 98 Resp: 63040

Ion	Ratio	Lower	Upper
98	100		
100	62.7	53.3	79.9



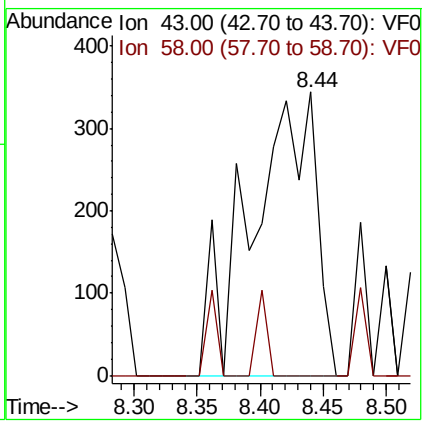


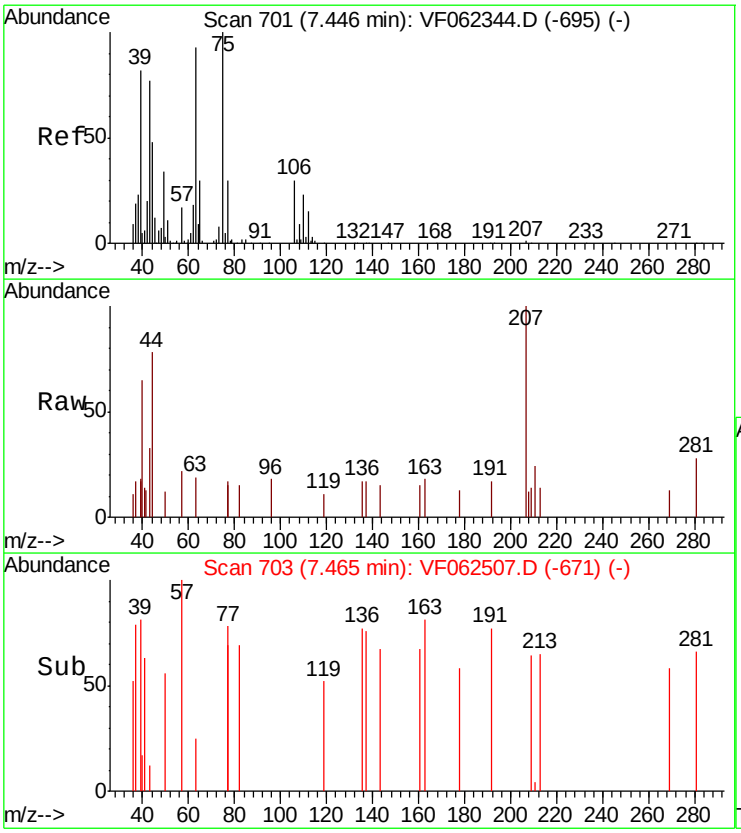
#51
4-Methyl-2-Pentanone
Concen: 3.244 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.04 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion: 43 Resp: 1232

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.6#

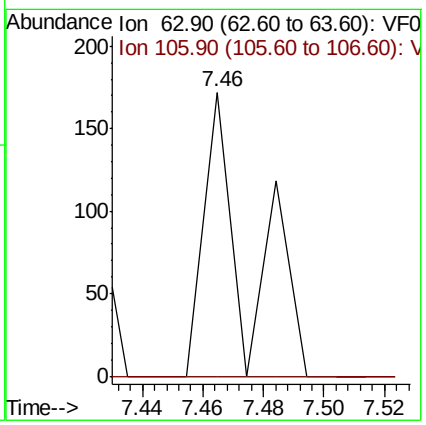


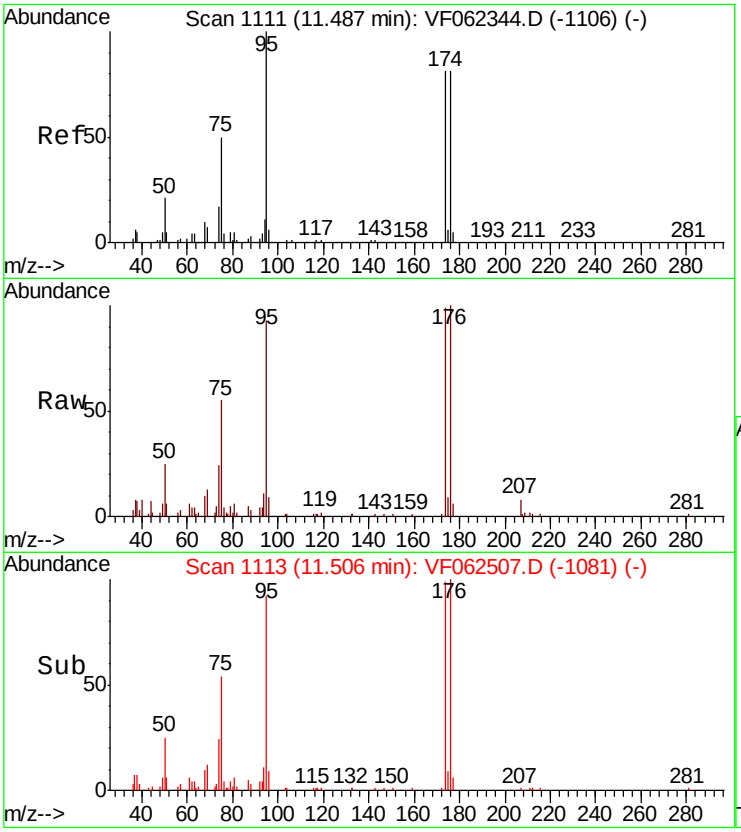


#58
2-Chloroethyl Vinyl ether
Concen: 1.140 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.02 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 63 Resp: 172

Ion	Ratio	Lower	Upper
63	100		
106	0.0	25.8	38.8#



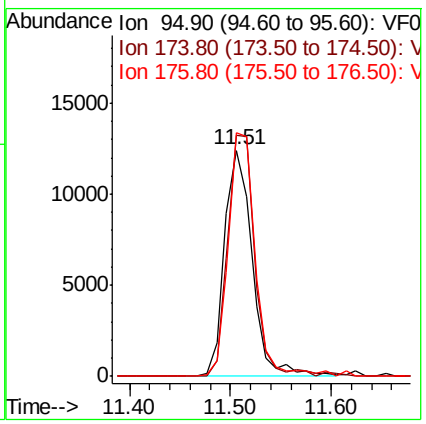


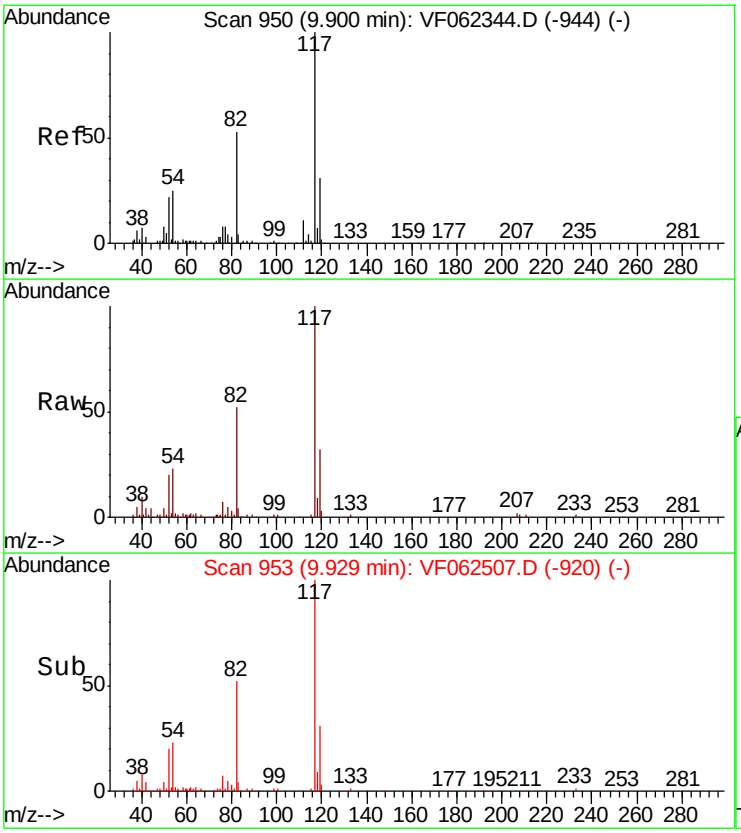
#62
4-Bromofluorobenzene
Concen: 21.251 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion: 95 Resp: 23718

Ion	Ratio	Lower	Upper
95	100		
174	103.0	0.0	191.8
176	105.1	0.0	193.2

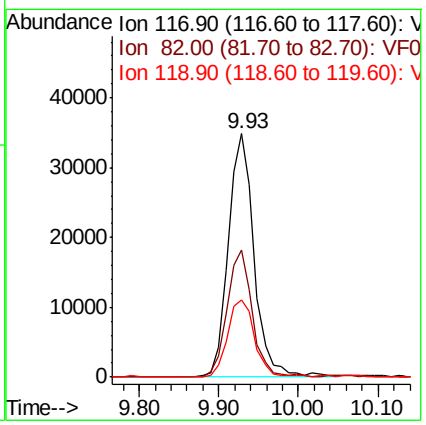


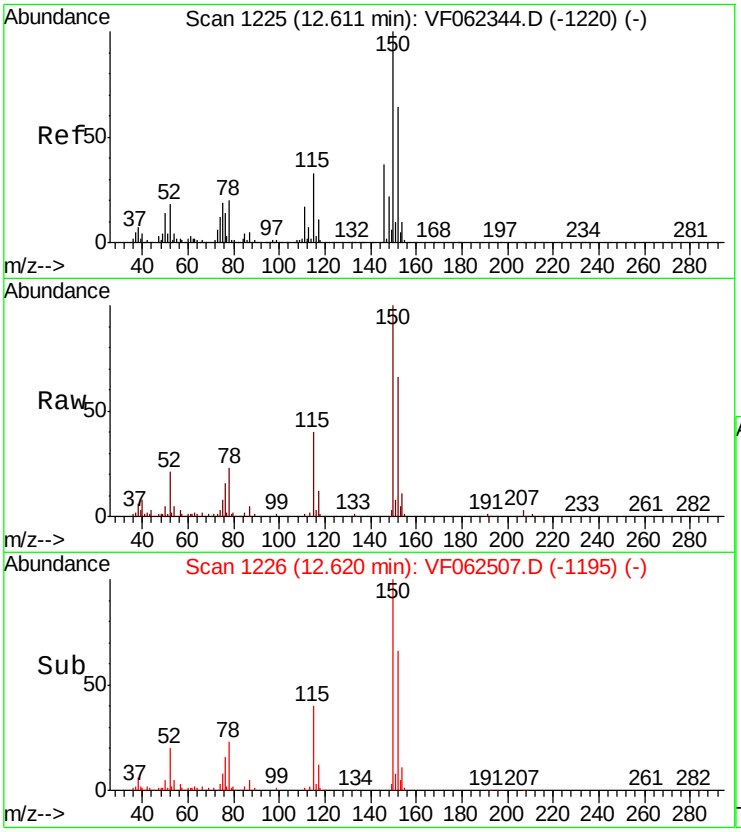


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion:117 Resp: 79159

Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.2	63.2
119	31.8	25.0	37.4



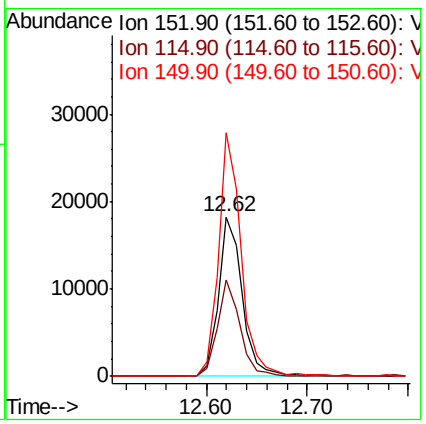


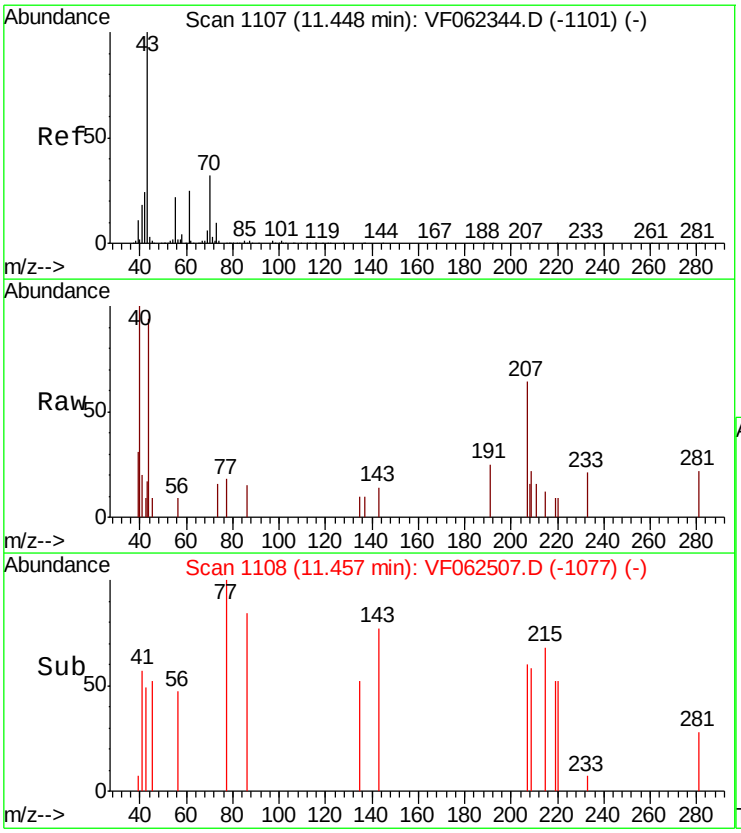
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument : MSVOA_F
ClientSampleId : P026-SS012-1218-01

Tgt Ion:152 Resp: 29741

Ion	Ratio	Lower	Upper
152	100		
115	58.0	26.4	79.2
150	147.0	0.0	335.0

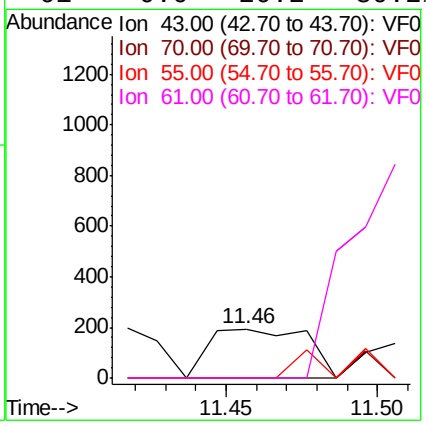


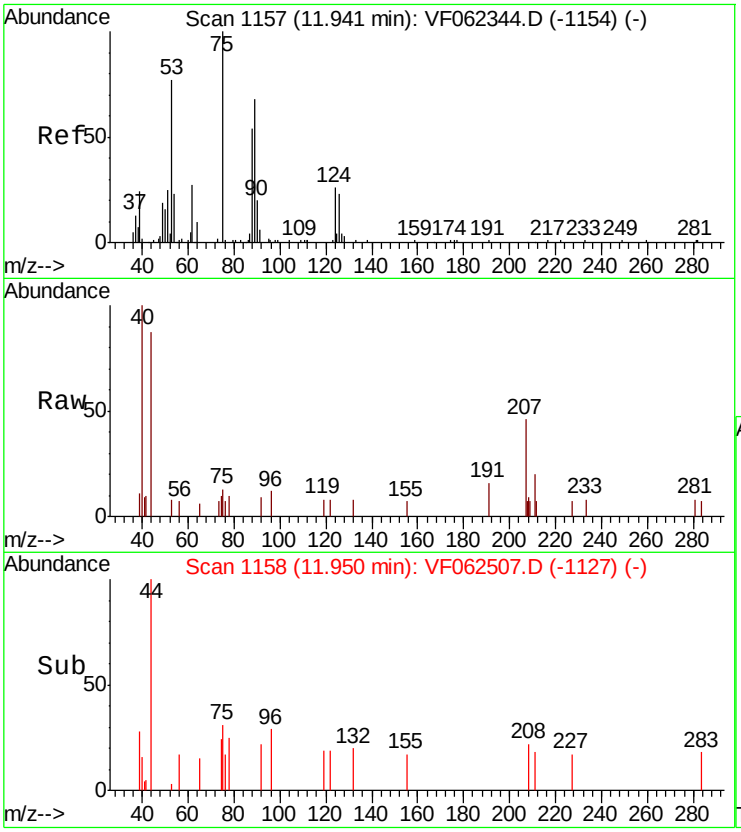


#74
N-amyl acetate
Concen: 1.139 ug/l
RT: 11.46 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 43 Resp: 431

Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.5	39.7#
55	15.1	17.8	26.6#
61	0.0	20.2	30.2#



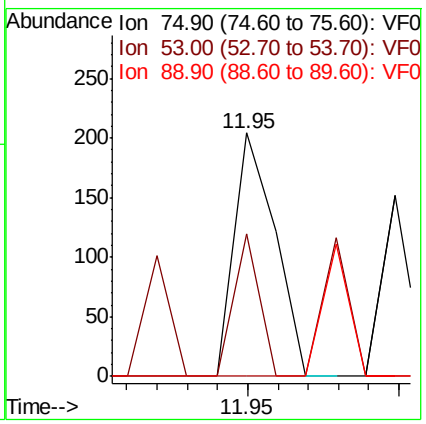


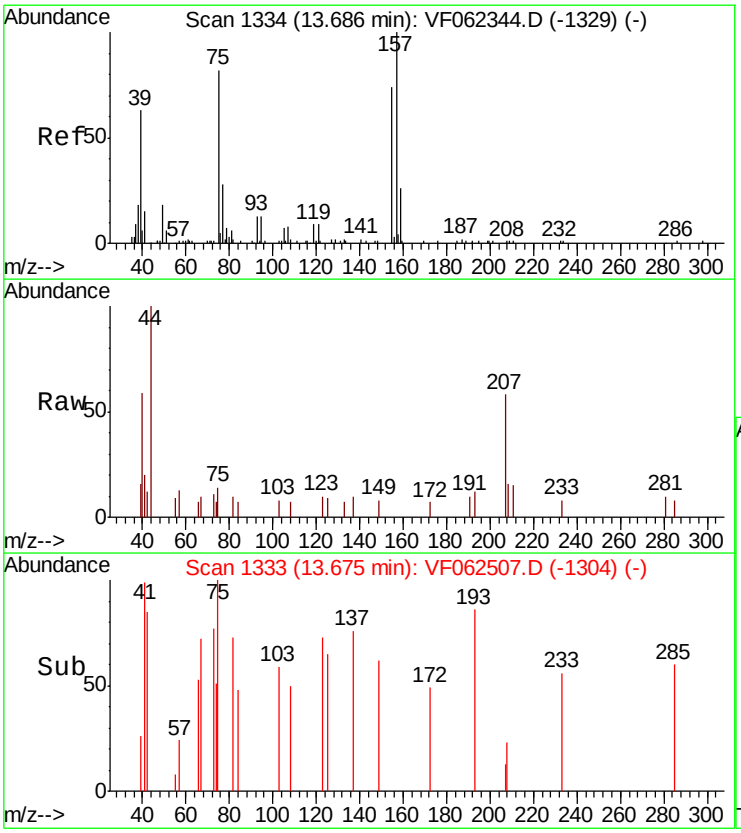
#81
trans-1,4-Dichloro-2-butene
Concen: 2.438 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. 0.01 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Instrument :
MSVOA_F
ClientSampleId :
P026-SS012-1218-01

Tgt Ion: 75 Resp: 193

Ion	Ratio	Lower	Upper
75	100		
53	36.8	71.9	107.9#
89	0.0	0.0	0.0





#92
1,2-Dibromo-3-Chloropropane
Concen: 3.121 ug/l
RT: 13.67 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VF062507.D
Acq: 12 May 2019 17:09

Tgt Ion: 75 Resp: 193

Ion	Ratio	Lower	Upper
75	100		
155	0.0	51.8	155.4#
157	0.0	67.3	201.8#