

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\
 Data File : VF061329.D
 Acq On : 10 Jan 2019 6:32
 Operator : VA/AP
 Sample : K1094-01
 Misc : 3.48g/5mL/MSVOA-F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-1

Quant Time: Jan 10 07:01:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	80039	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.65	114	135989	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.83	117	117722	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.63	152	29617	50.00	ug/l	0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.88	65	97615	109.57	ug/l	0.03
Spiked Amount			Recovery	=	219.14%	
35) Dibromofluoromethane	4.14	113	94249	90.58	ug/l	0.03
Spiked Amount			Recovery	=	181.16%	
50) Toluene-d8	7.60	98	163663	53.15	ug/l	0.03
Spiked Amount			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	11.46	95	45080	33.53	ug/l	0.05
Spiked Amount			Recovery	=	67.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.28	94	493	3.365	ug/l #	6
11) Tert butyl alcohol	2.57	59	1209	33.895	ug/l #	58
13) Acrolein	2.06	56	2568	49.183	ug/l #	1
14) Allyl chloride	2.05	41	12412	8.074	ug/l #	62
15) Acrylonitrile	3.01	53	4238	33.516	ug/l #	45
16) Acetone	2.25	43	642607	3100.772	ug/l #	91
18) Methyl Acetate	2.25	43	701934	1721.531	ug/l #	65
20) Methylene Chloride	2.25	84	9706	11.070	ug/l	87
23) Vinyl Acetate	3.08	43	25106	28.863	ug/l #	77
25) 2-Butanone	4.36	43	32051	96.090	ug/l	96
29) Tetrahydrofuran	4.10	42	825	5.916	ug/l #	55
37) Ethyl Acetate	4.14	43	3189	5.514	ug/l #	1
40) Benzene	4.66	78	19534	5.269	ug/l #	66
41) Methacrylonitrile	4.77	41	357	1.105	ug/l #	64
43) Isopropyl Acetate	6.94	43	10871	14.239	ug/l #	45
48) Methyl methacrylate	6.85	41	3563	7.190	ug/l #	51
49) 1,4-Dioxane	6.68	88	81	25.903	ug/l #	1
51) 4-Methyl-2-Pentanone	8.30	43	3754480	6515.020	ug/l	98
52) Toluene	7.66	92	1322348	554.909	ug/l	97
56) Ethyl methacrylate	8.73	69	1731	2.323	ug/l #	1
59) 2-Hexanone	9.69	43	493	1.208	ug/l #	48
67) Ethyl Benzene	9.98	91	18171405	3964.527	ug/l #	61
68) m/p-Xylenes	9.98	106	675189	422.305	ug/l	95
70) Styrene	10.87	104	1252813	526.559	ug/l #	1
73) Isopropylbenzene	11.20	105	3183540	1221.561	ug/l	97
74) N-amyl acetate	11.34	43	84247	142.208	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	11.71	83	1023	2.476	ug/l #	1
76) 1,2,3-Trichloropropane	11.83	75	451567	1489.979	ug/l #	1
78) n-propylbenzene	11.65	91	13332960	4290.855	ug/l	87
79) 2-Chlorotoluene	11.65	91	13235390	7645.130	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.81	105	27702396	13358.803	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.83	75	486806	3675.662	ug/l #	1
82) 4-Chlorotoluene	11.94	91	3433759	1951.946	ug/l #	42
83) tert-Butylbenzene	12.11	119	748241	362.163	ug/l #	1

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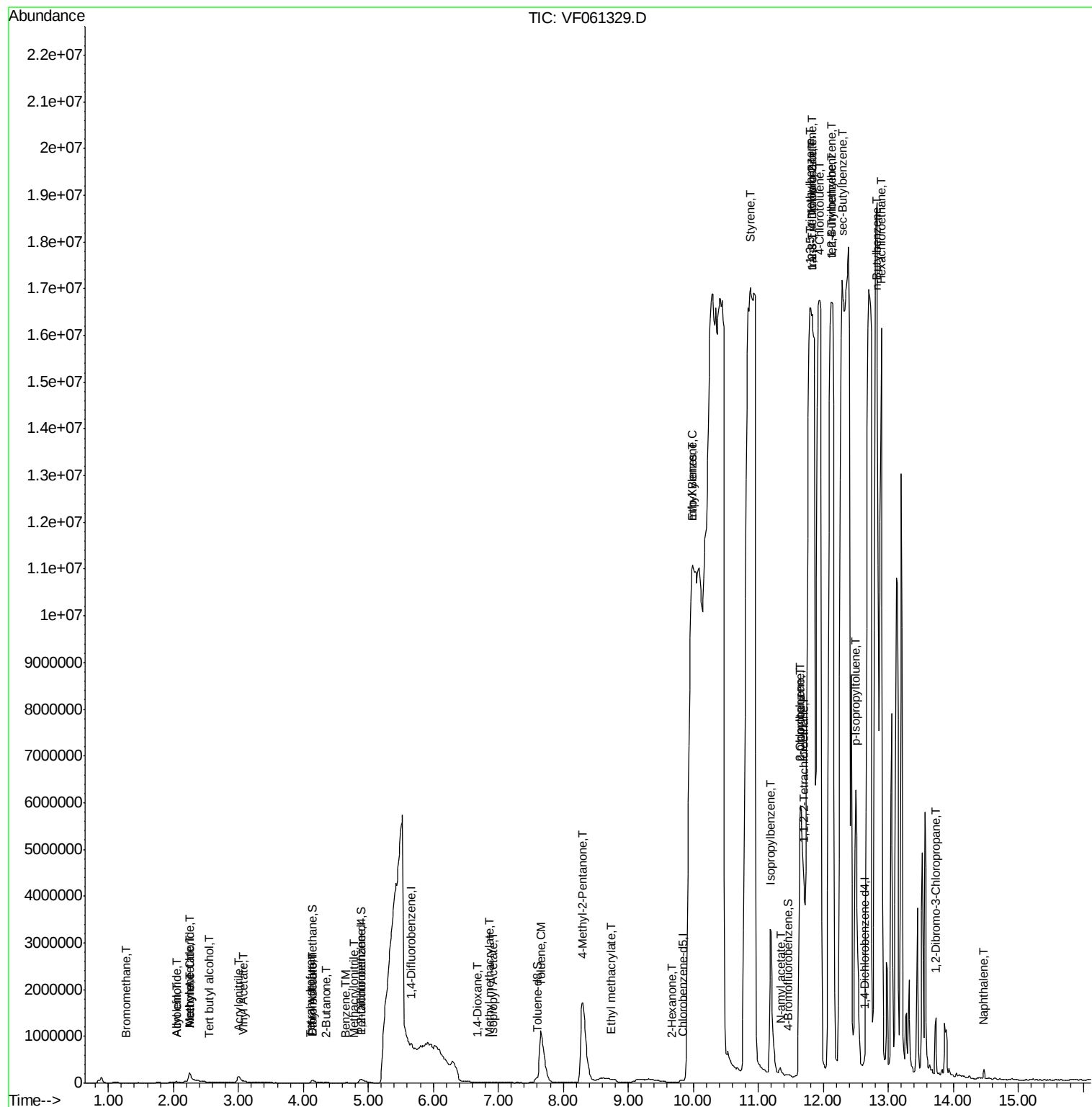
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	12.12	105	19278010	9363.452	ug/l	85
85) sec-Butylbenzene	12.29	105	22304694	7582.080	ug/l #	57
86) p-Isopropyltoluene	12.50	119	4933476	2061.835	ug/l #	82
89) n-Butylbenzene	12.82	91	3900556	1586.551	ug/l #	52
90) Hexachloroethane	12.89	117	947775	1731.612	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	12025	172.232	ug/l #	1
95) Naphthalene	14.47	128	134690	107.469	ug/l	99

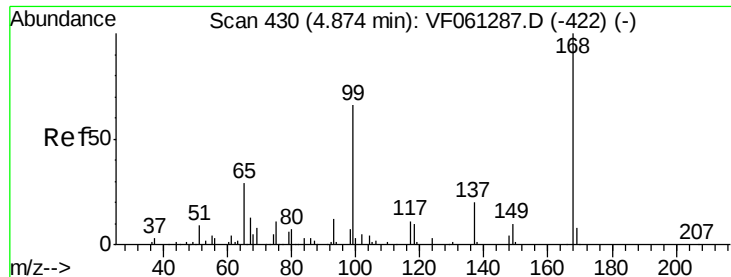
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.03 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

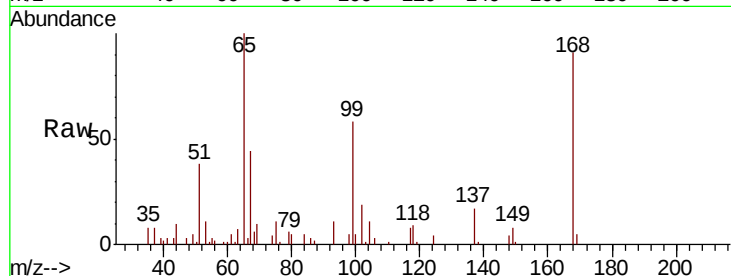
CROSSWICKS-DRUM-1

Tgt Ion: 168 Resp: 80039

Ion Ratio Lower Upper

168 100

99 63.3 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

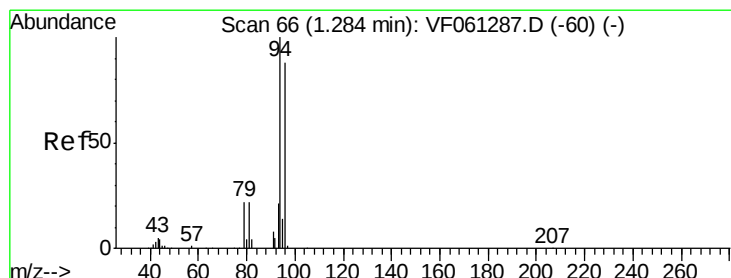
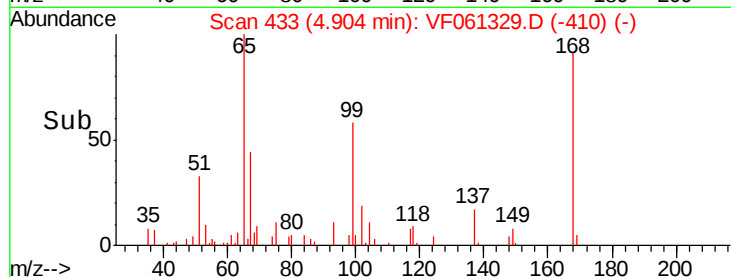
10000

5000

0

Time-->

4.80 4.90 5.00 5.10



#5

Bromomethane

Concen: 3.365 ug/l

RT: 1.28 min Scan# 66

Delta R.T. 0.00 min

Lab File: VF061329.D

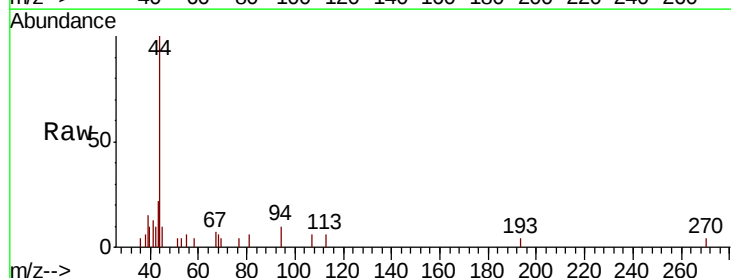
Acq: 10 Jan 2019 6:32

Tgt Ion: 94 Resp: 493

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.28

300

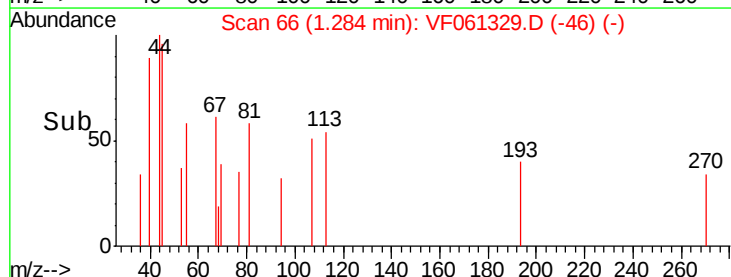
200

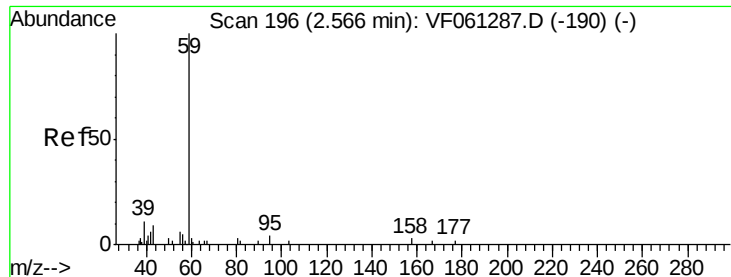
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0

Time-->

1.24 1.26 1.28 1.30 1.32

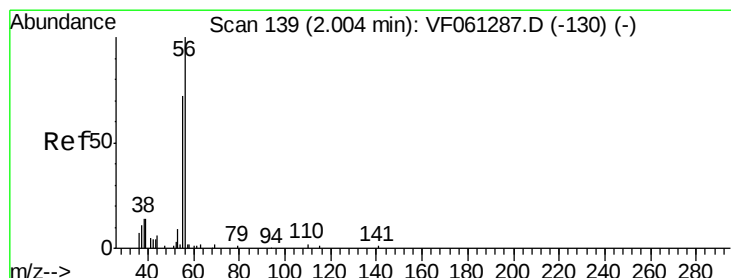
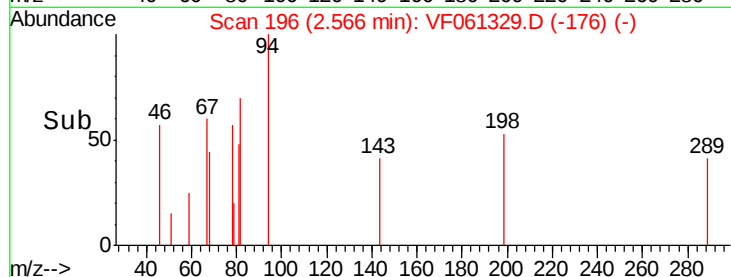
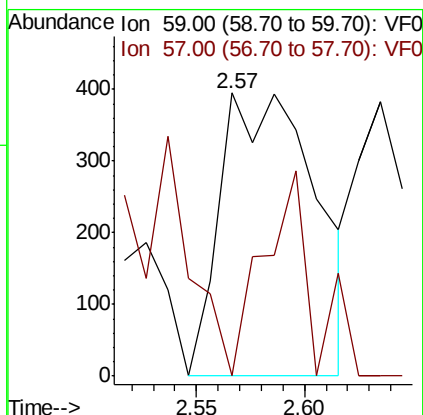
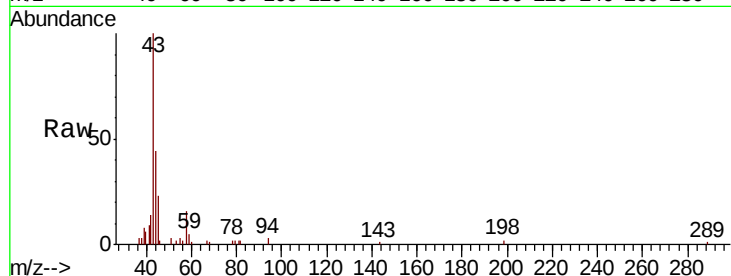




#11
Tert butyl alcohol
Concen: 33.895 ug/l
RT: 2.57 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

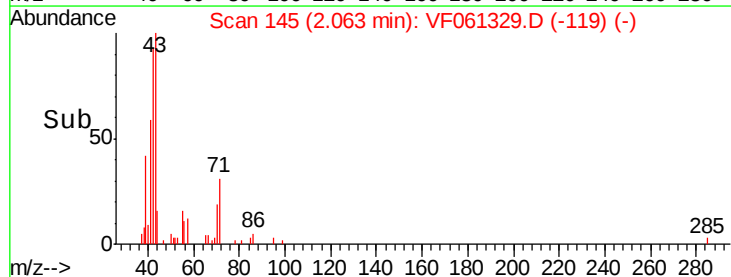
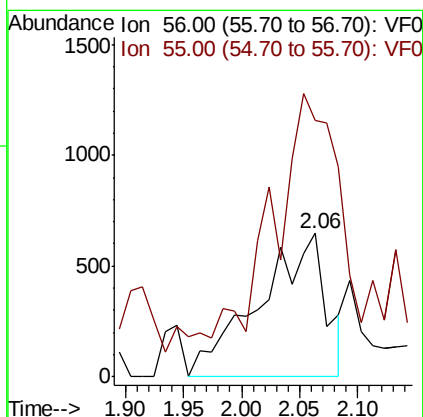
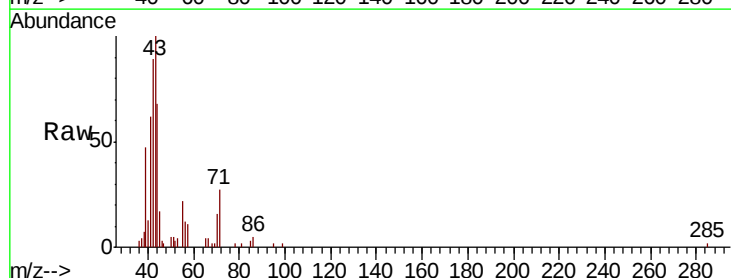
Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

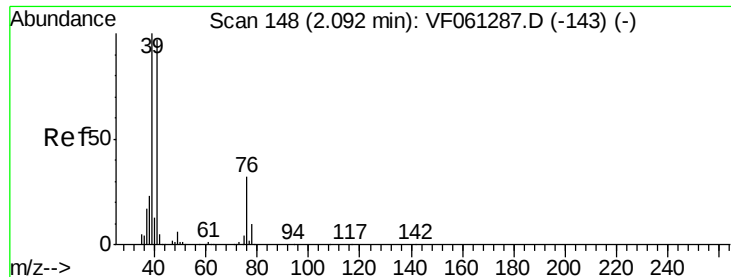
Tgt Ion: 59 Resp: 1209
Ion Ratio Lower Upper
59 100
57 0.0 15.1 22.7#



#13
Acrolein
Concen: 49.183 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.06 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 56 Resp: 2568
Ion Ratio Lower Upper
56 100
55 178.7 59.4 89.0#

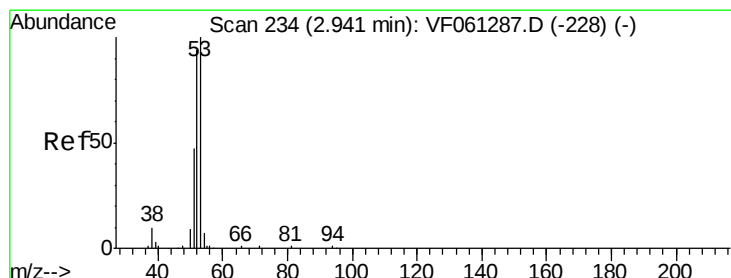
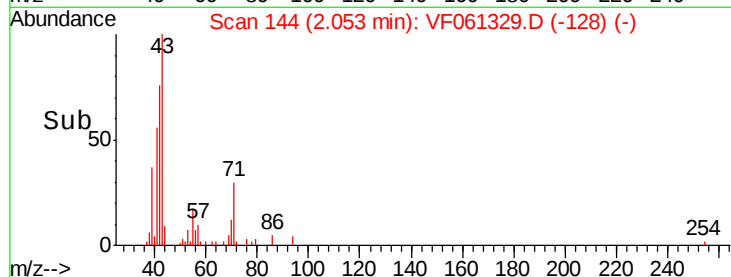
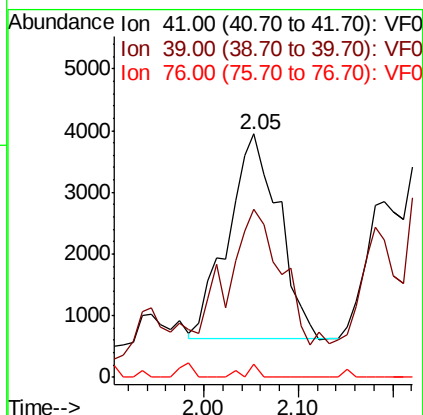
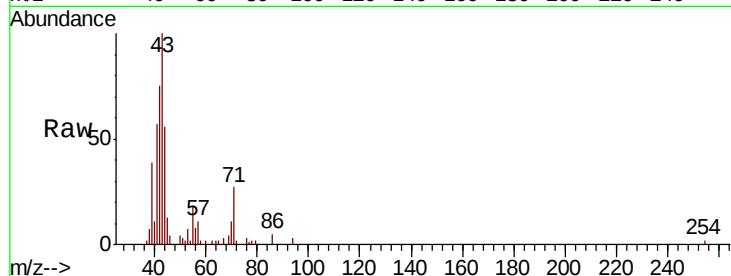




#14
 Allyl chloride
 Concen: 8.074 ug/l
 RT: 2.05 min Scan# 144
 Delta R.T. -0.04 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

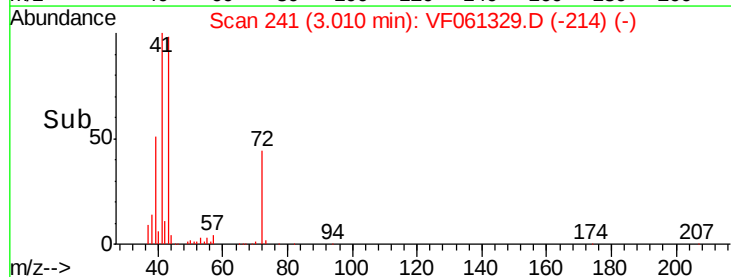
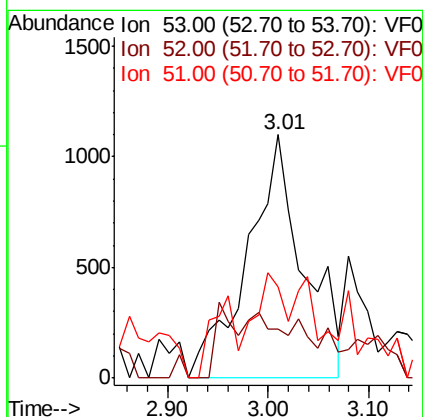
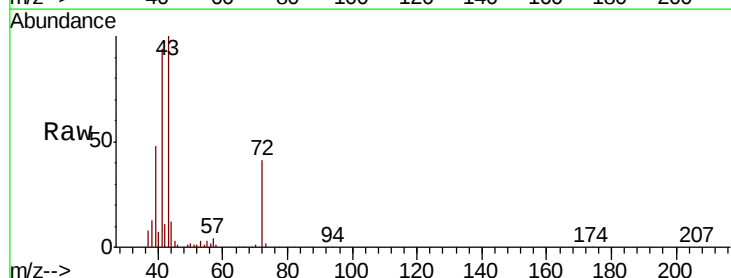
Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-1

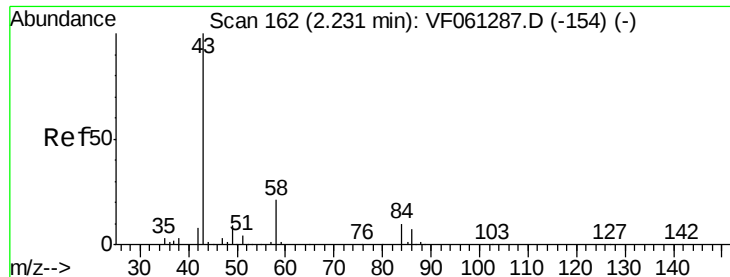
Tgt Ion: 41 Resp: 12412
 Ion Ratio Lower Upper
 41 100
 39 68.9 82.6 123.8#
 76 5.4 26.9 40.3#



#15
 Acrylonitrile
 Concen: 33.516 ug/l
 RT: 3.01 min Scan# 241
 Delta R.T. 0.07 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

Tgt Ion: 53 Resp: 4238
 Ion Ratio Lower Upper
 53 100
 52 20.2 74.6 111.8#
 51 37.5 37.8 56.6#





#16

Acetone

Concen: 3100.772 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.02 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

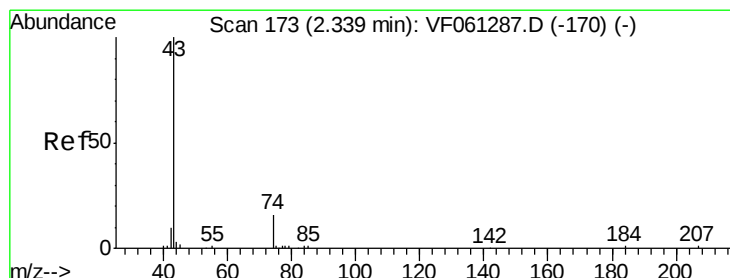
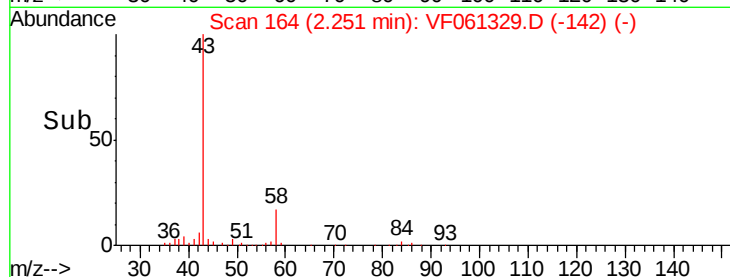
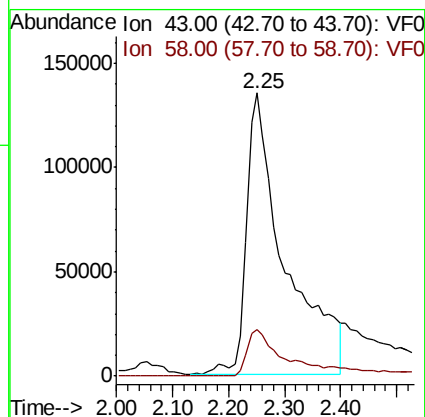
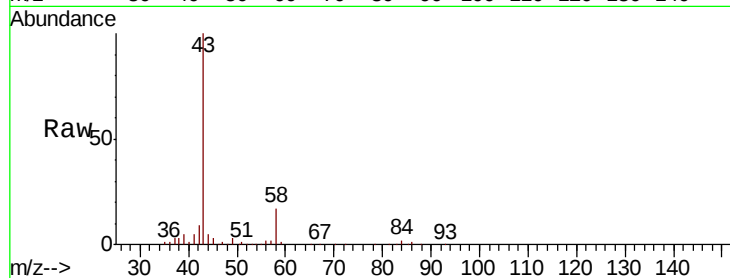
CROSSWICKS-DRUM-1

Tgt Ion: 43 Resp: 642607

Ion Ratio Lower Upper

43 100

58 16.5 16.6 25.0#



#18

Methyl Acetate

Concen: 1721.531 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.09 min

Lab File: VF061329.D

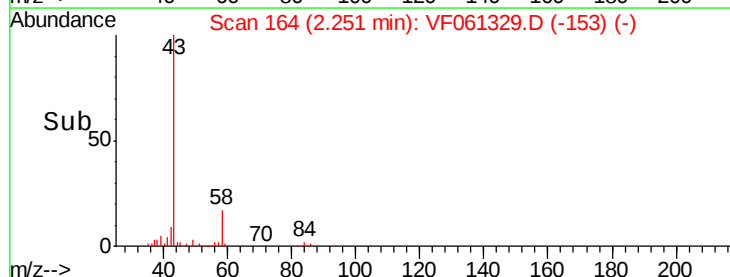
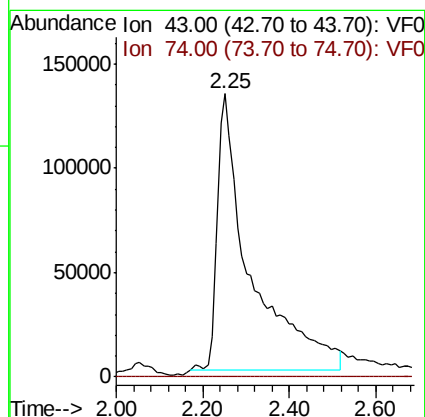
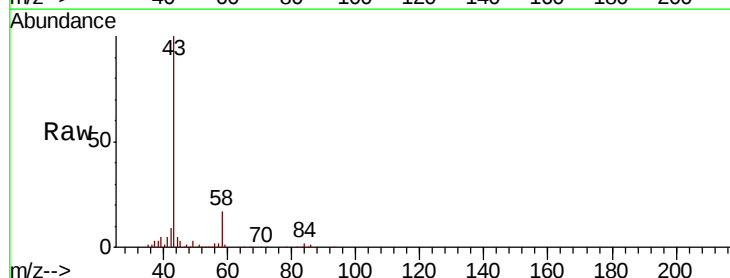
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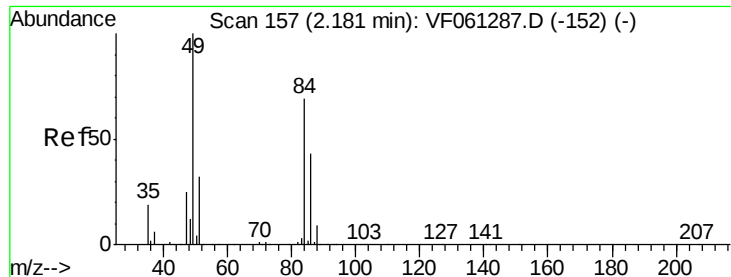
Tgt Ion: 43 Resp: 701934

Ion Ratio Lower Upper

43 100

74 0.0 11.6 17.4#

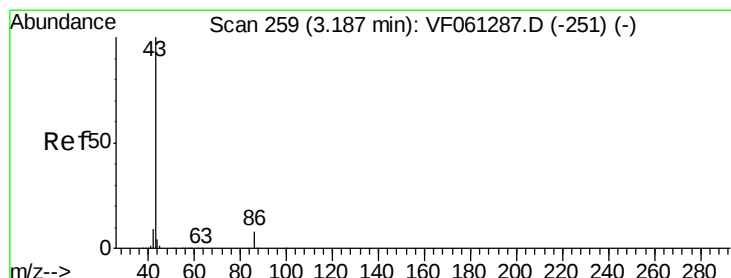
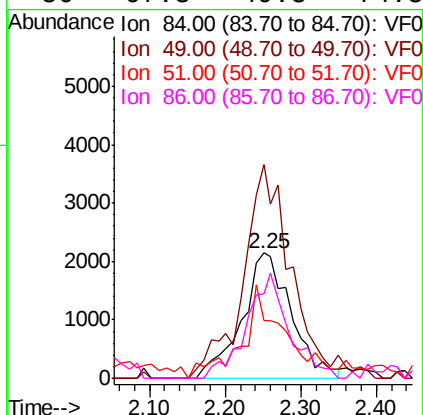
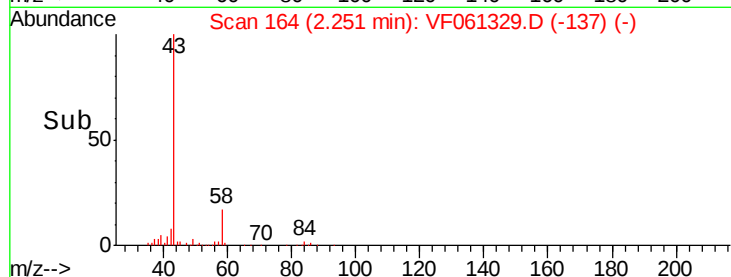
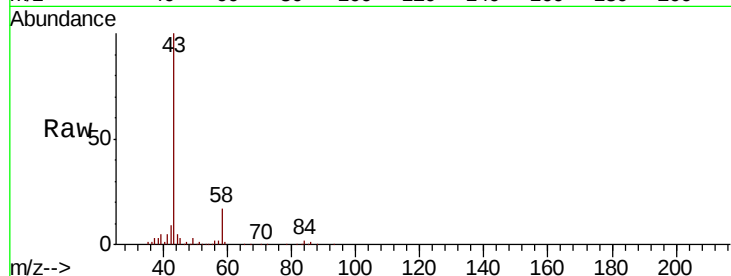




#20
Methylene Chloride
Concen: 11.070 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.07 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

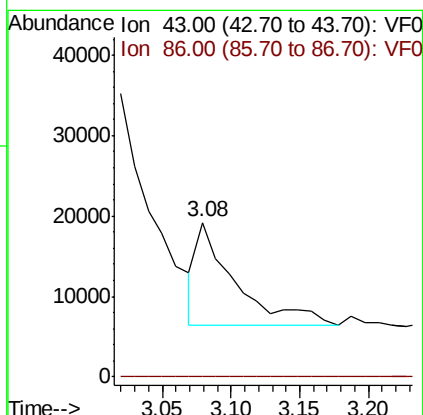
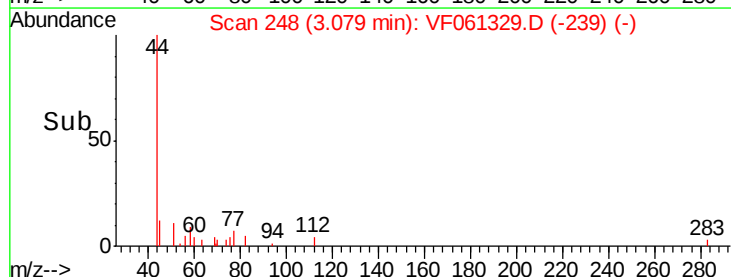
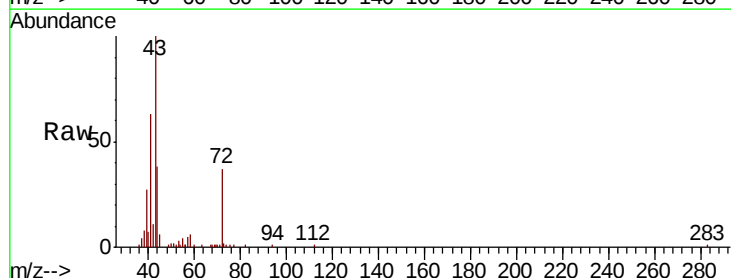
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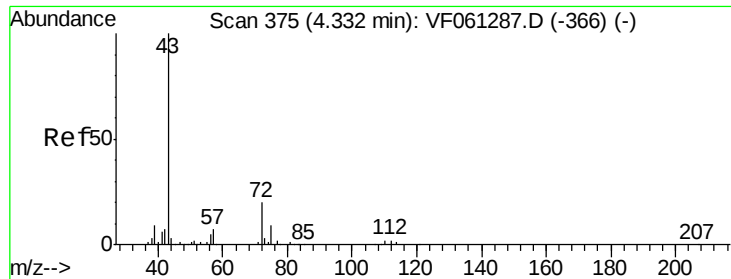
Tgt Ion: 84 Resp: 9706
Ion Ratio Lower Upper
84 100
49 170.3 116.6 175.0
51 45.7 37.7 56.5
86 67.3 49.8 74.8



#23
Vinyl Acetate
Concen: 28.863 ug/l
RT: 3.08 min Scan# 248
Delta R.T. -0.11 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 43 Resp: 25106
Ion Ratio Lower Upper
43 100
86 0.0 6.5 9.7#





#25

2-Butanone

Concen: 96.090 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.03 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

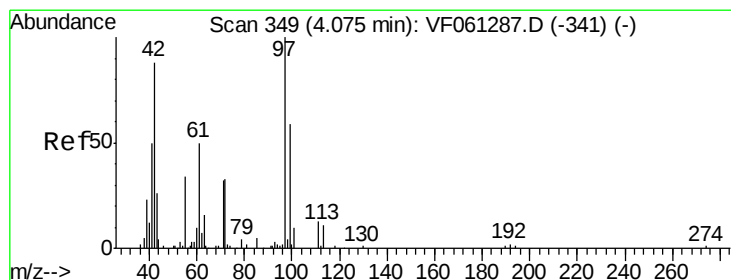
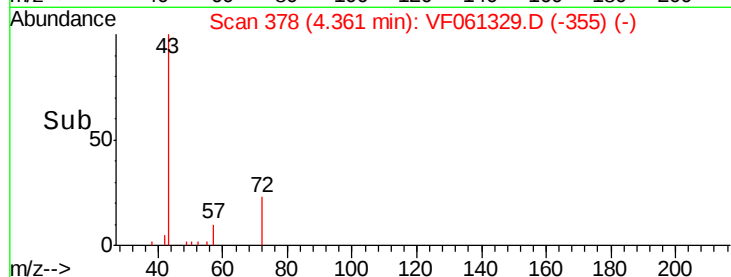
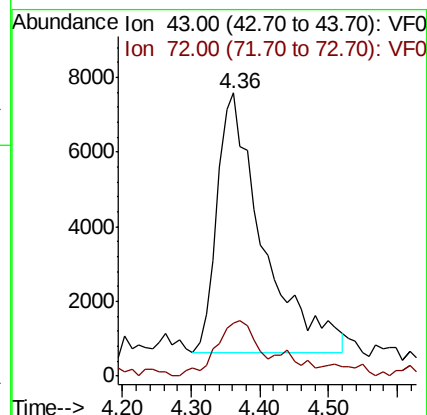
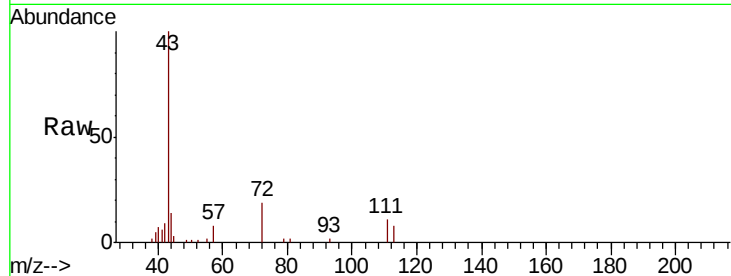
CROSSWICKS-DRUM-1

Tgt Ion: 43 Resp: 32051

Ion Ratio Lower Upper

43 100

72 18.6 16.5 24.7



#29

Tetrahydrofuran

Concen: 5.916 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.03 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

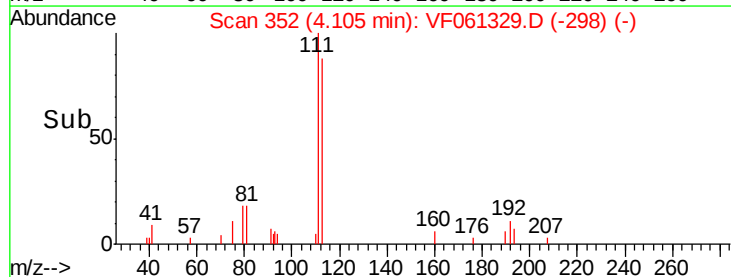
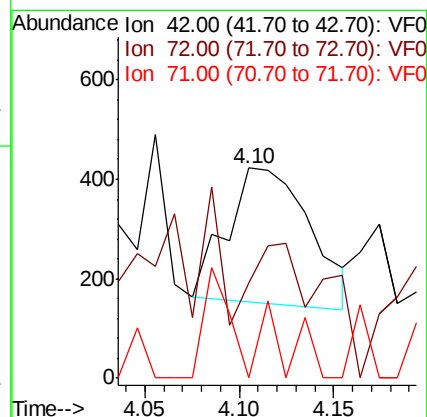
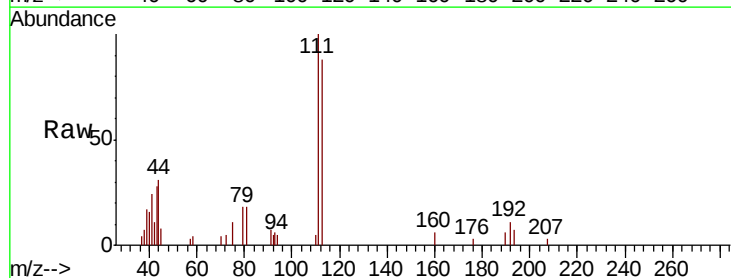
Tgt Ion: 42 Resp: 825

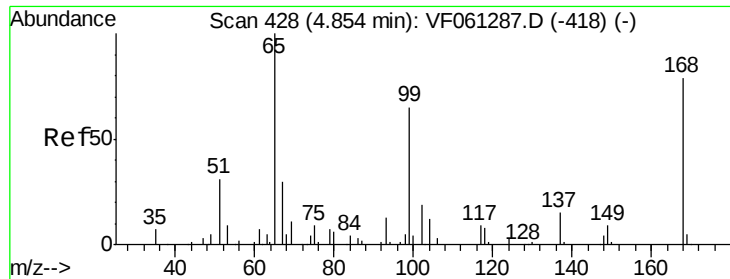
Ion Ratio Lower Upper

42 100

72 77.8 32.3 48.5#

71 19.8 29.5 44.3#





#33

1,2-Dichloroethane-d4

Concen: 109.571 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.03 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

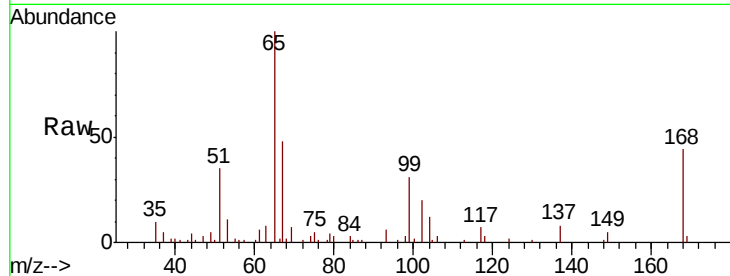
CROSSWICKS-DRUM-1

Tgt Ion: 65 Resp: 97615

Ion Ratio Lower Upper

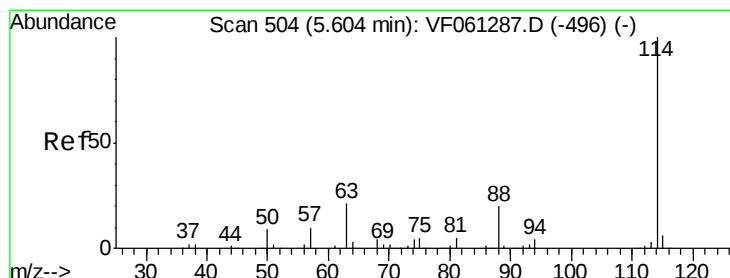
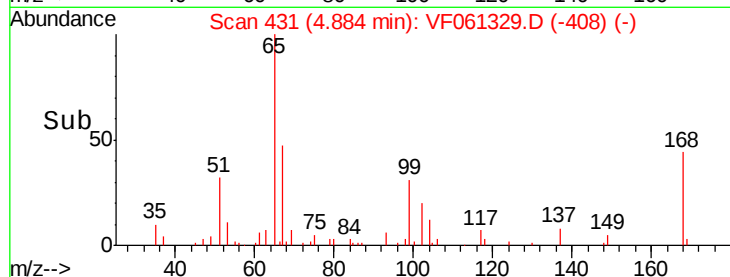
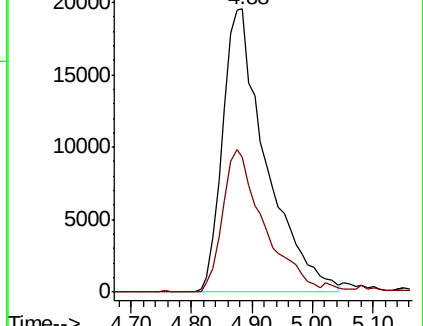
65 100

67 47.9 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 509

Delta R.T. 0.05 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

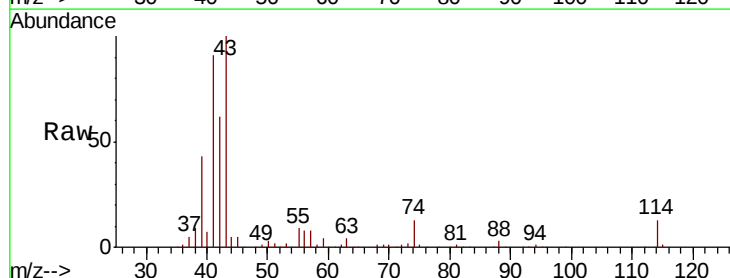
Tgt Ion: 114 Resp: 135989

Ion Ratio Lower Upper

114 100

63 27.5 0.0 42.8

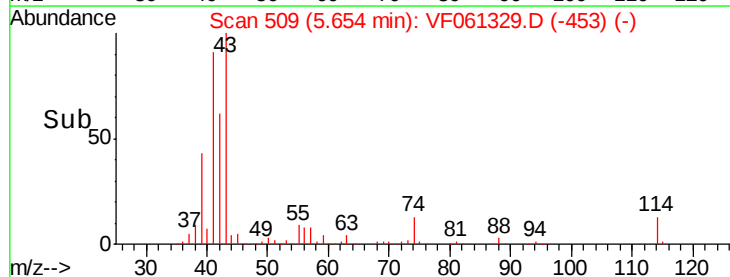
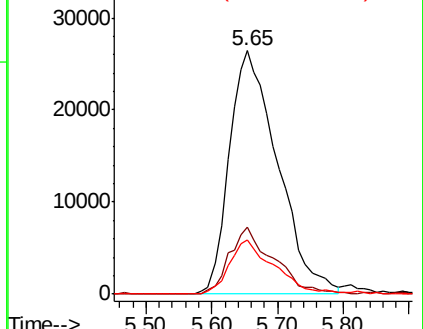
88 22.5 0.0 40.0

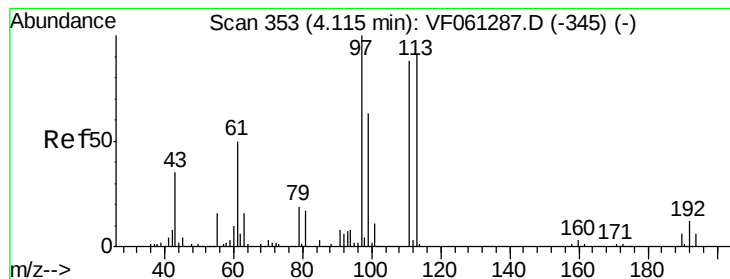


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 90.577 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.03 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-1

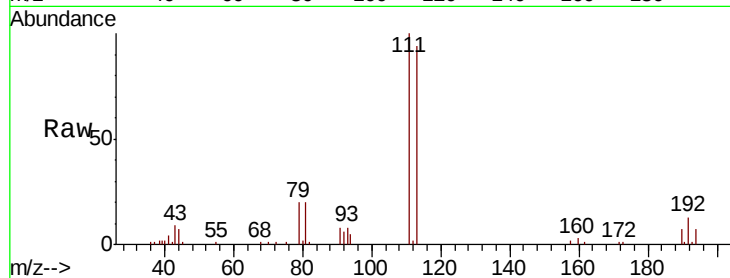
Tgt Ion:113 Resp: 94249

Ion Ratio Lower Upper

113 100

111 106.2 78.0 117.0

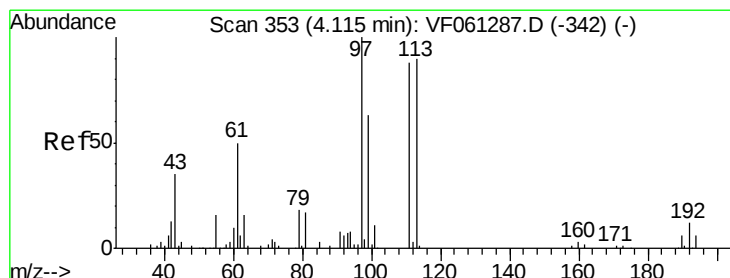
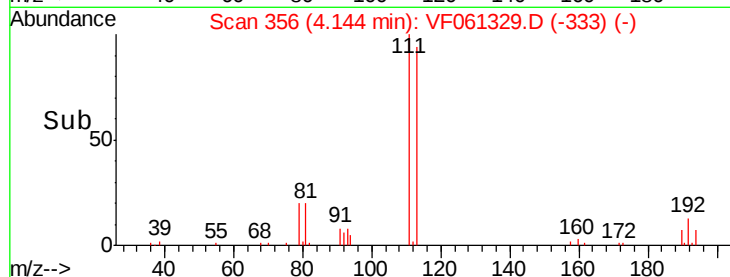
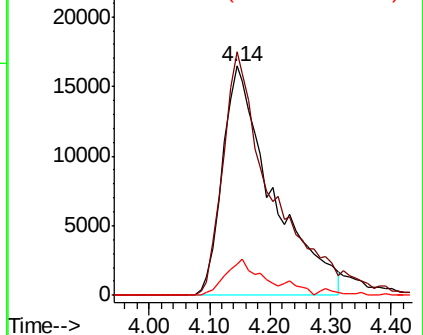
192 13.6 10.6 16.0



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#37

Ethyl Acetate

Concen: 5.514 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.03 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

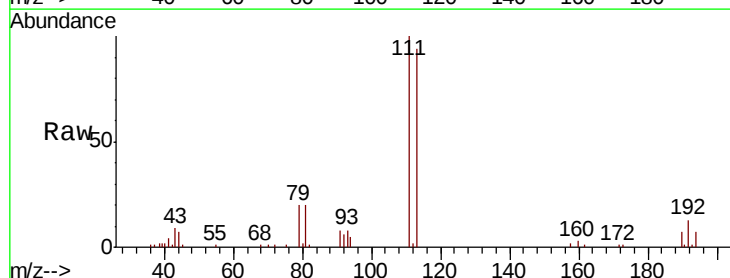
Tgt Ion: 43 Resp: 3189

Ion Ratio Lower Upper

43 100

61 0.0 113.3 169.9#

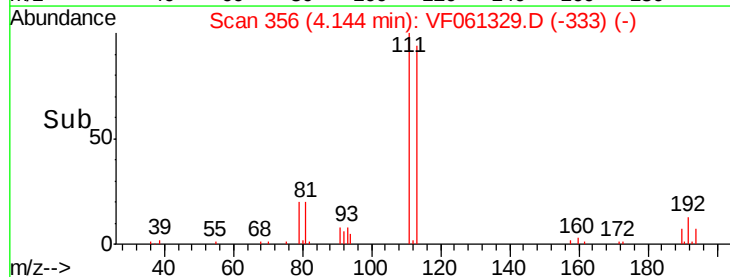
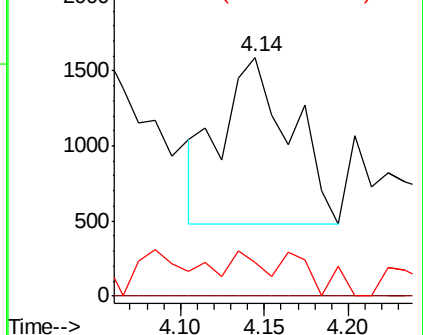
70 13.8 9.4 14.0

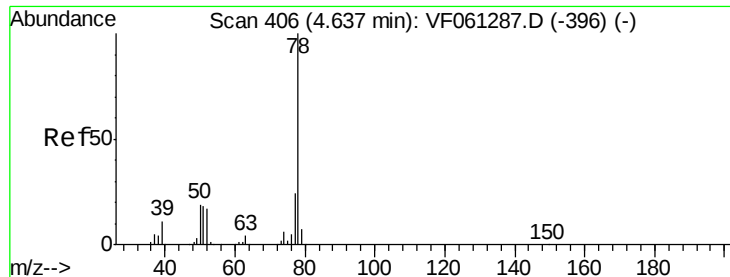


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#40

Benzene

Concen: 5.269 ug/l

RT: 4.66 min Scan# 408

Delta R.T. 0.02 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

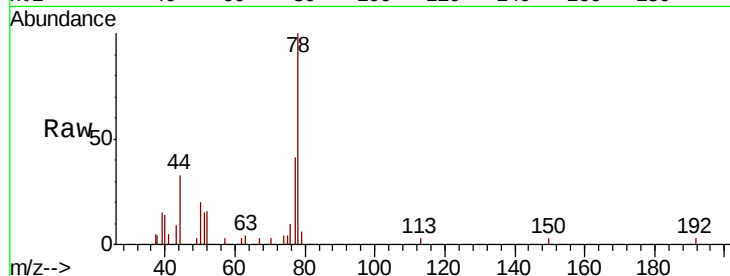
CROSSWICKS-DRUM-1

Tgt Ion: 78 Resp: 19534

Ion Ratio Lower Upper

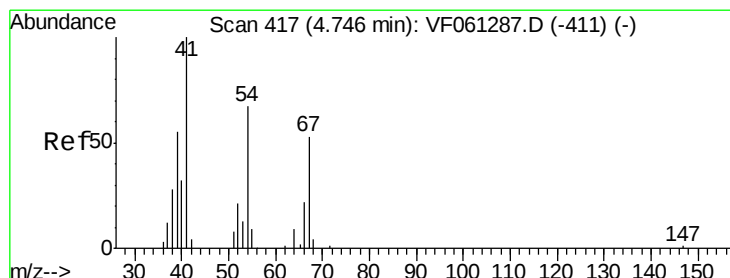
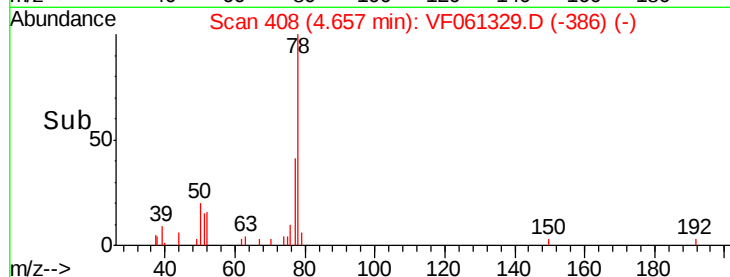
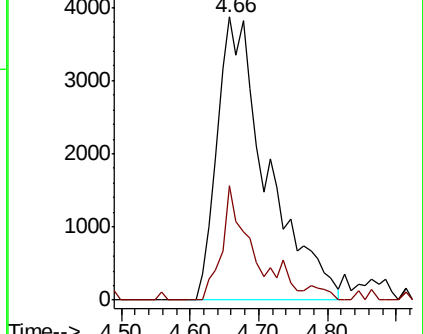
78 100

77 40.6 19.1 28.7#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#41

Methacrylonitrile

Concen: 1.105 ug/l

RT: 4.77 min Scan# 419

Delta R.T. 0.02 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Tgt Ion: 41 Resp: 357

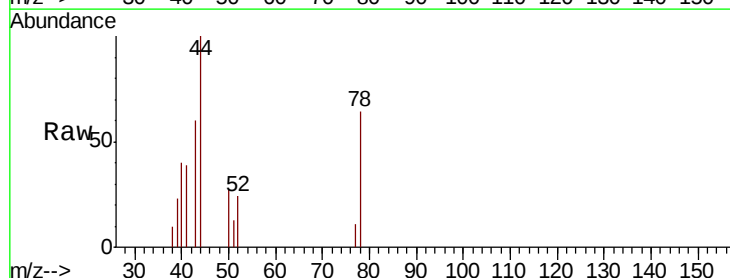
Ion Ratio Lower Upper

41 100

39 58.2 52.7 79.1

67 0.0 41.4 62.2#

52 60.6 33.0 49.4#

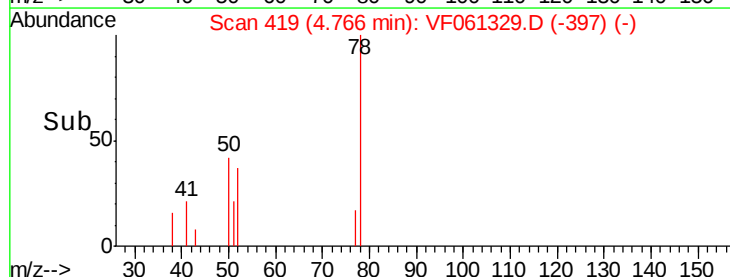
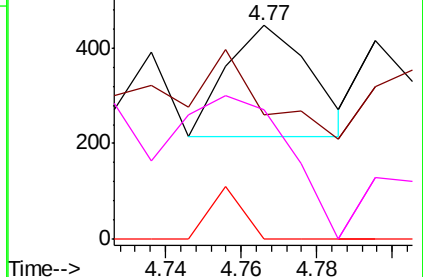


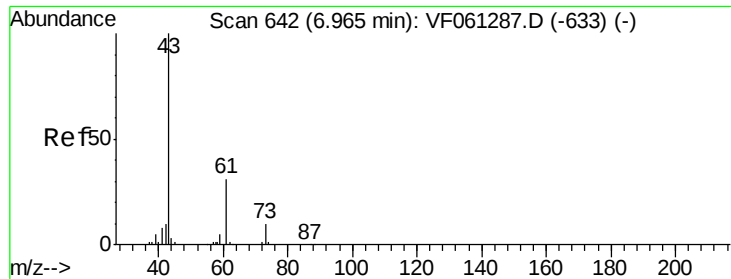
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



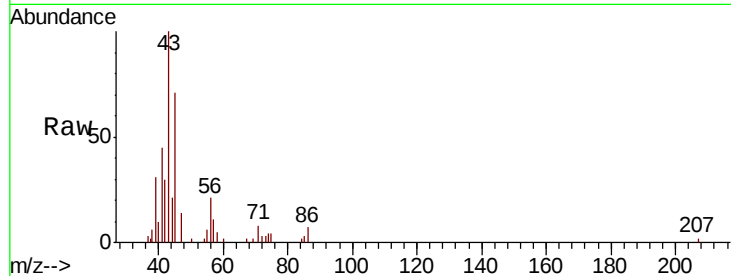


#43

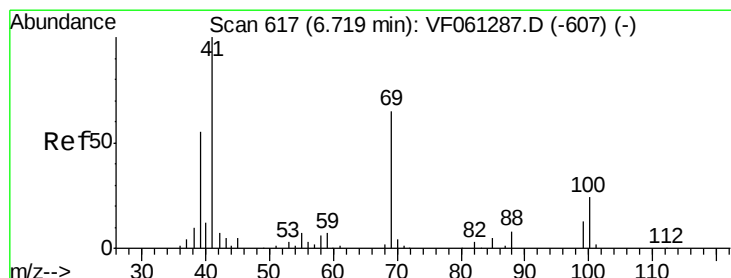
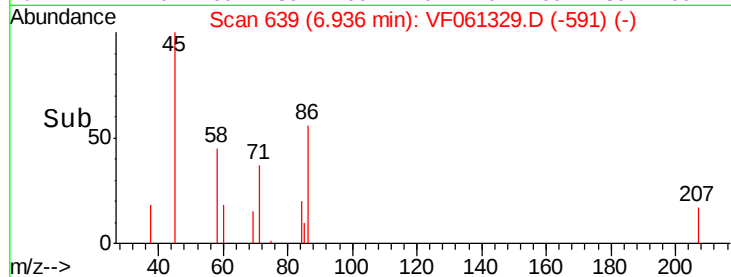
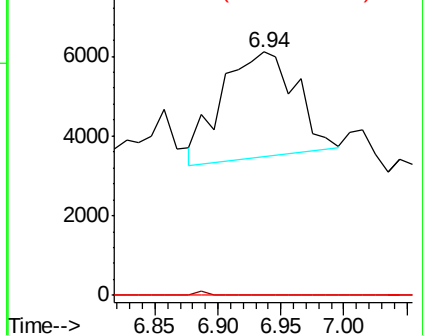
Isopropyl Acetate
 Concen: 14.239 ug/l
 RT: 6.94 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-1

Tgt Ion: 43 Resp: 10871
 Ion Ratio Lower Upper
 43 100
 61 0.0 24.3 36.5#
 87 0.0 0.2 0.4#



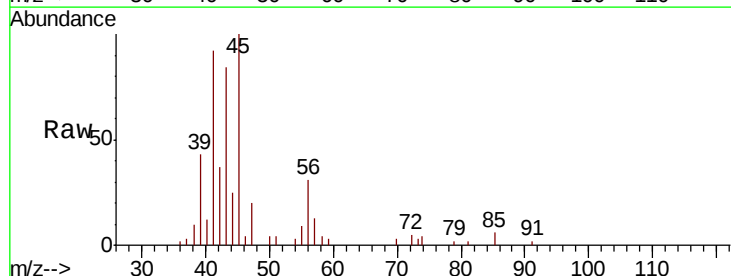
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



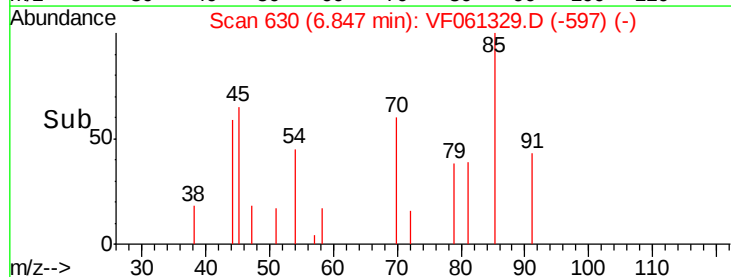
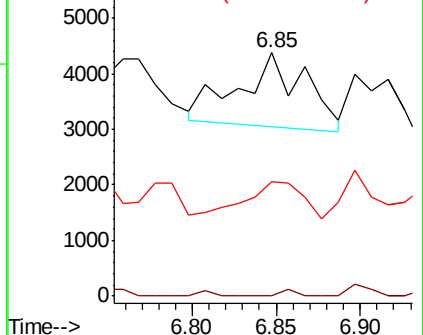
#48

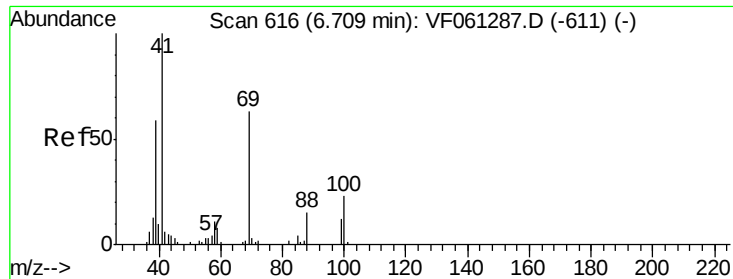
Methyl methacrylate
 Concen: 7.190 ug/l
 RT: 6.85 min Scan# 630
 Delta R.T. 0.13 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

Tgt Ion: 41 Resp: 3563
 Ion Ratio Lower Upper
 41 100
 69 0.0 51.5 77.3#
 39 47.0 44.1 66.1



Abundance Ion 41.00 (40.70 to 41.70): VF0
 Ion 69.00 (68.70 to 69.70): VF0
 Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 25.903 ug/l

RT: 6.68 min Scan# 613

Delta R.T. -0.03 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-1

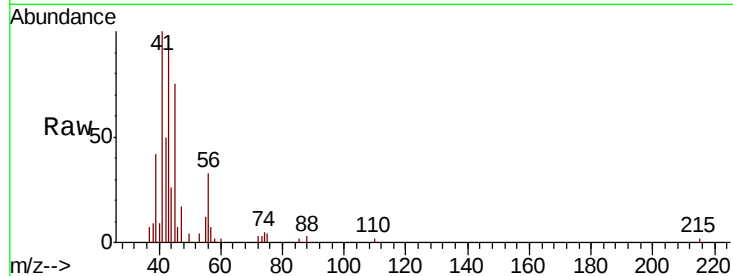
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 3503.6 38.5 57.7#

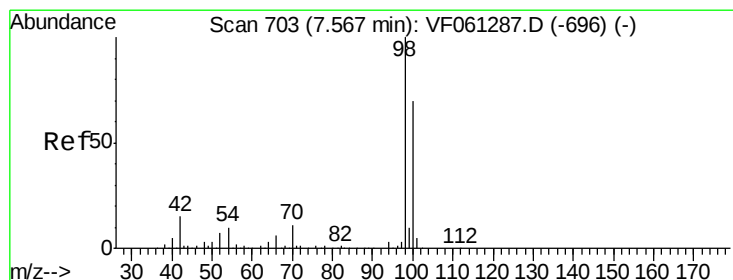
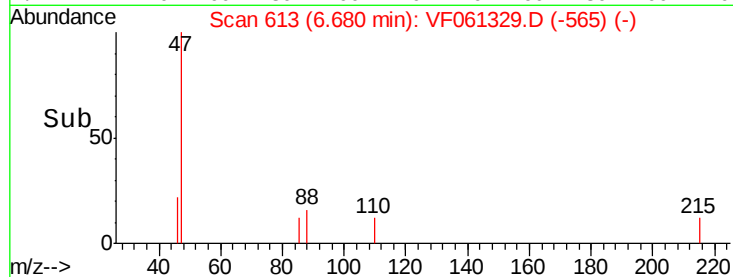
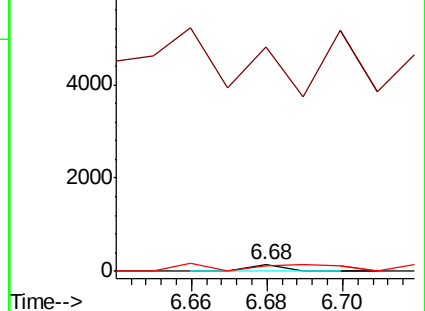
58 79.6 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 53.151 ug/l

RT: 7.60 min Scan# 706

Delta R.T. 0.03 min

Lab File: VF061329.D

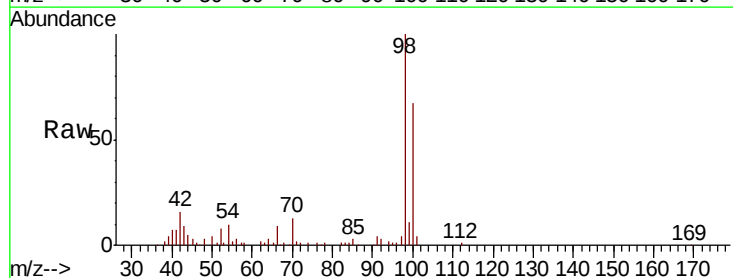
Acq: 10 Jan 2019 6:32

Tgt Ion: 98 Resp: 163663

Ion Ratio Lower Upper

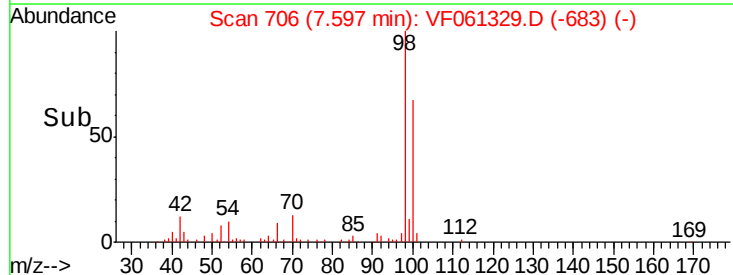
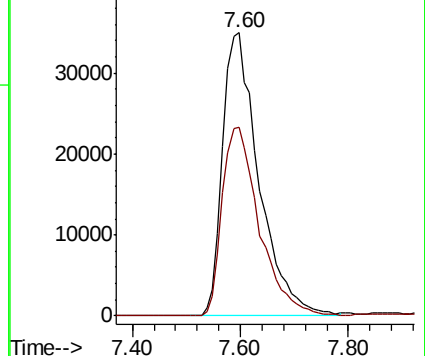
98 100

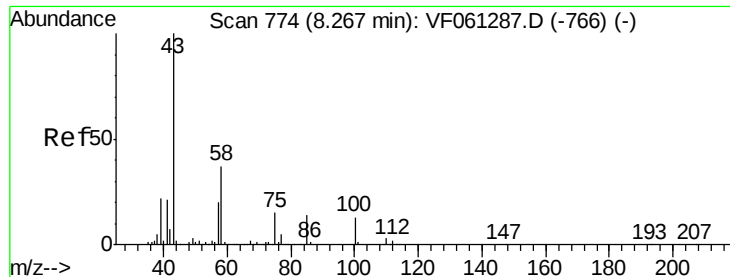
100 66.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

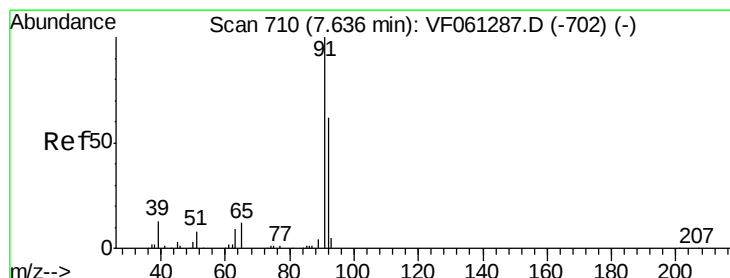
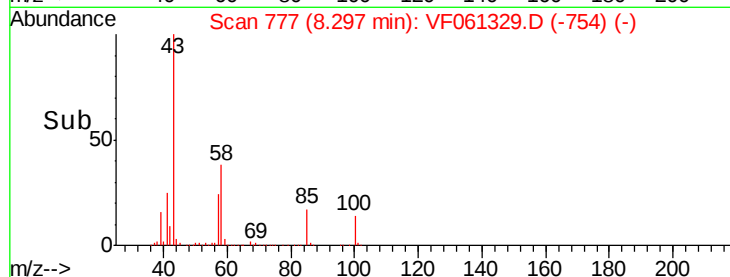
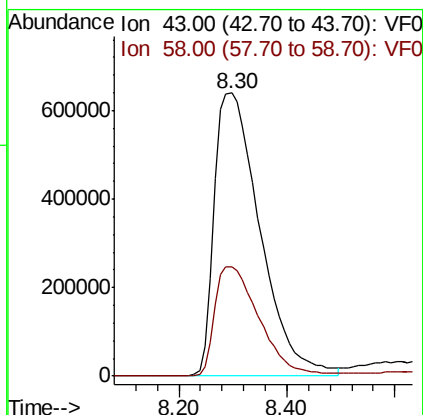
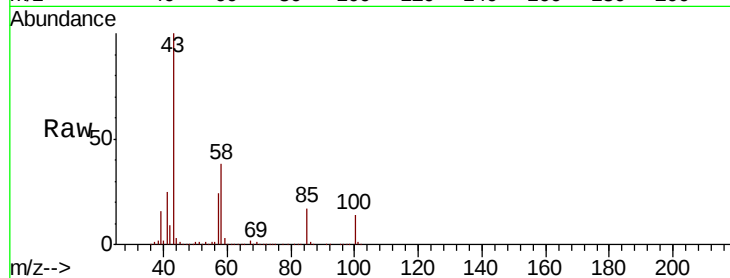




#51
 4-Methyl-2-Pentanone
 Concen: 6515.020 ug/l
 RT: 8.30 min Scan# 777
 Delta R.T. 0.03 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

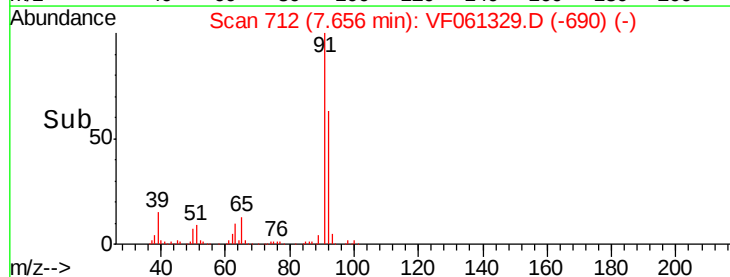
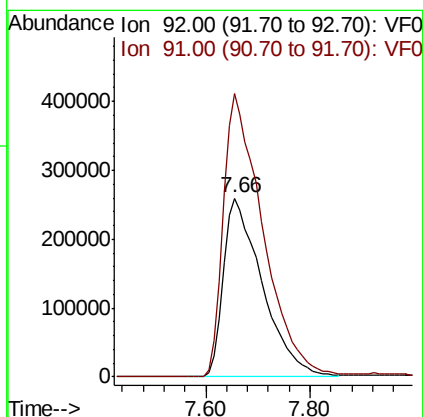
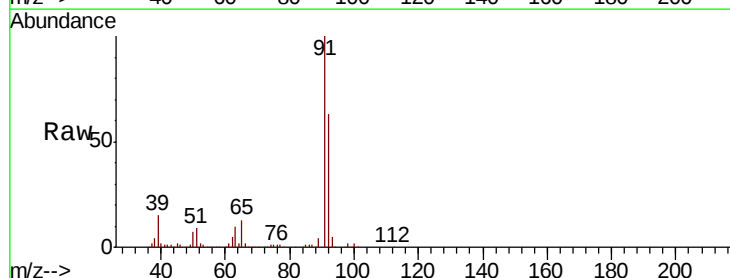
Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-1

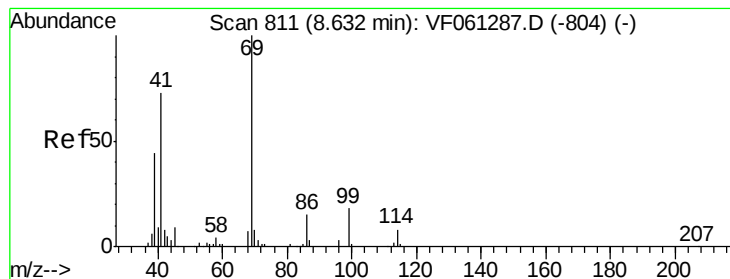
Tgt Ion: 43 Resp: 3754480
 Ion Ratio Lower Upper
 43 100
 58 38.4 29.6 44.4



#52
 Toluene
 Concen: 554.909 ug/l
 RT: 7.66 min Scan# 712
 Delta R.T. 0.02 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

Tgt Ion: 92 Resp: 1322348
 Ion Ratio Lower Upper
 92 100
 91 158.1 129.2 193.8





#56

Ethyl methacrylate

Concen: 2.323 ug/l

RT: 8.73 min Scan# 821

Delta R.T. 0.10 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-1

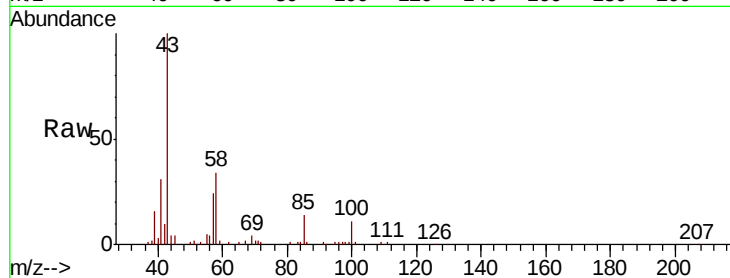
Tgt Ion: 69 Resp: 1731

Ion Ratio Lower Upper

69 100

41 744.8 59.0 88.4#

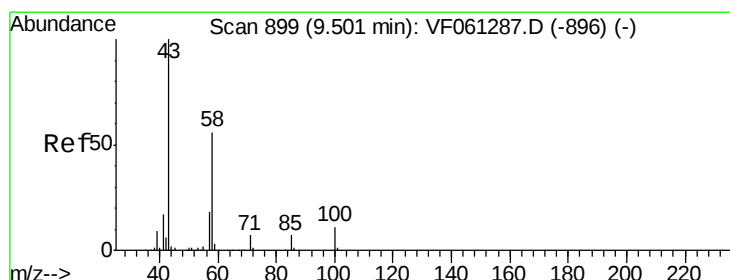
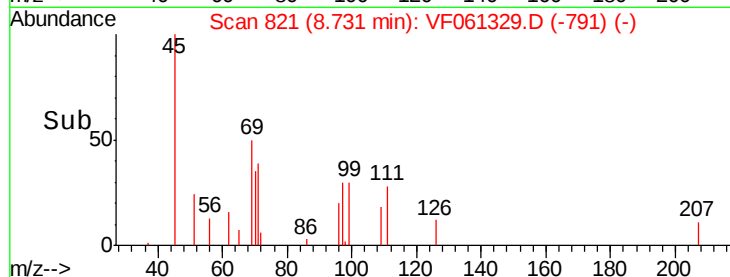
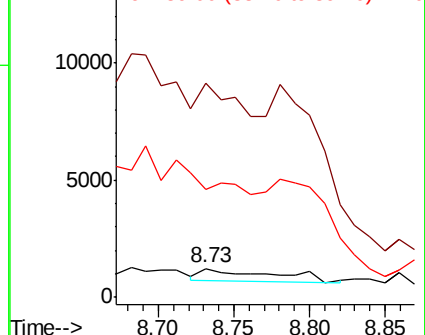
39 376.4 35.3 52.9#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#59

2-Hexanone

Concen: 1.208 ug/l

RT: 9.69 min Scan# 918

Delta R.T. 0.19 min

Lab File: VF061329.D

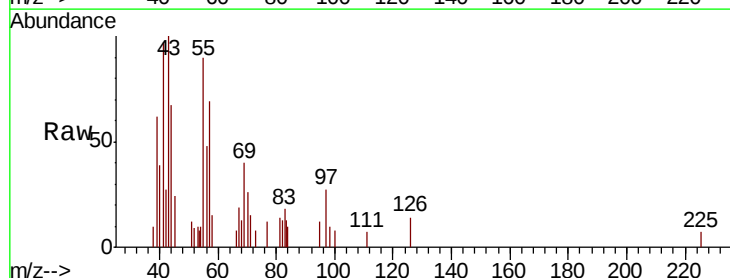
Acq: 10 Jan 2019 6:32

Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

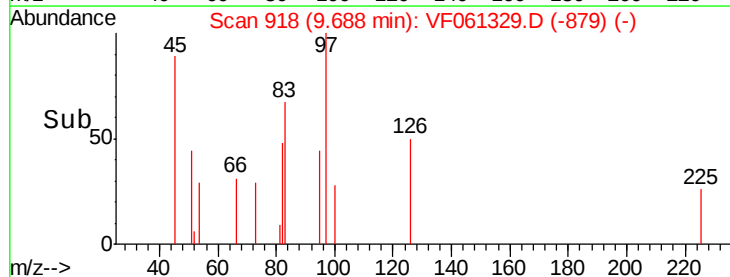
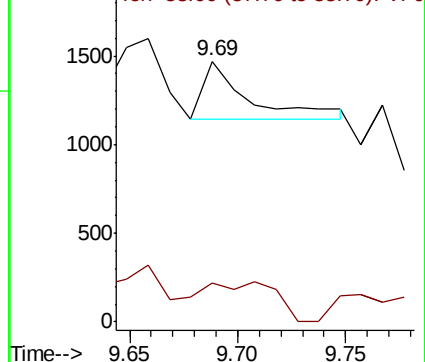
43 100

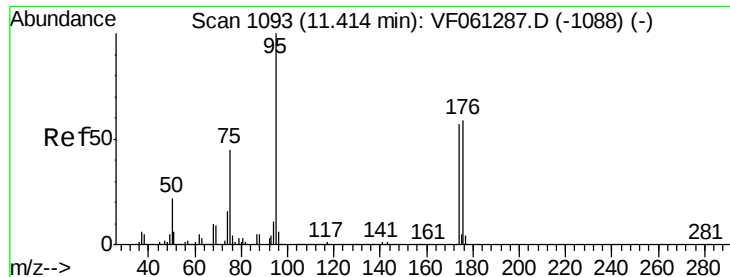
58 15.0 25.6 76.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 33.527 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. 0.05 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-1

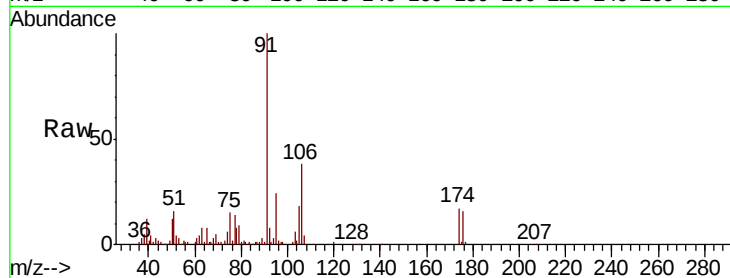
Tgt Ion: 95 Resp: 45080

Ion Ratio Lower Upper

95 100

174 70.3 0.0 114.2

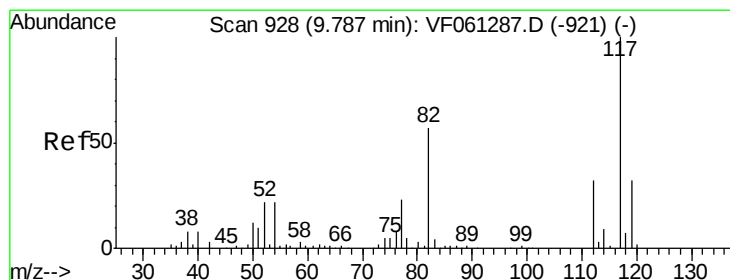
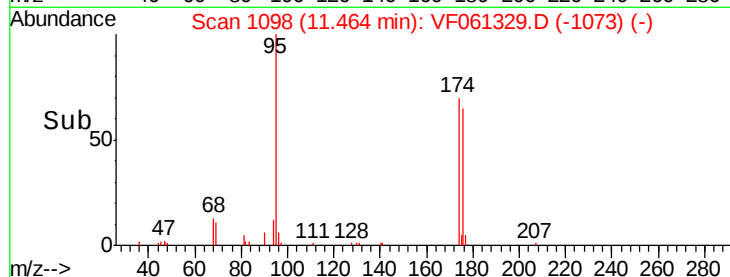
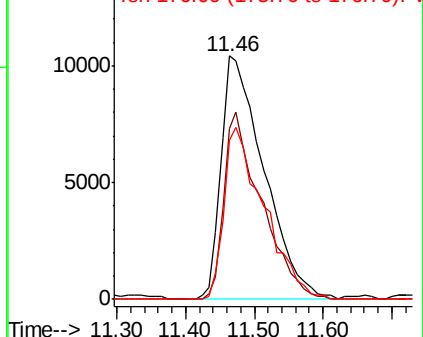
176 65.4 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.83 min Scan# 932

Delta R.T. 0.04 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

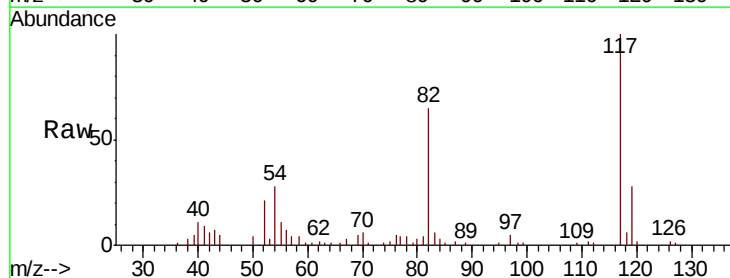
Tgt Ion: 117 Resp: 117722

Ion Ratio Lower Upper

117 100

82 65.1 45.3 67.9

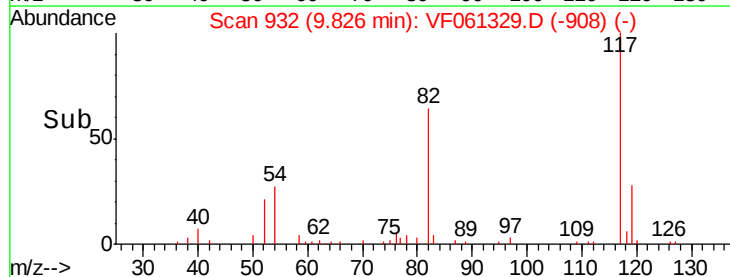
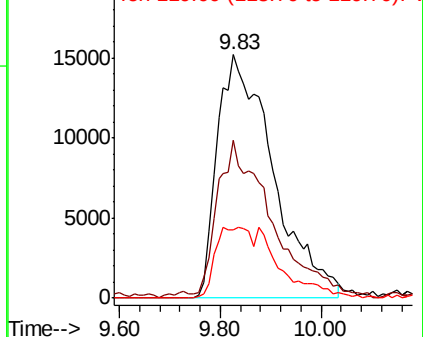
119 28.2 25.4 38.0

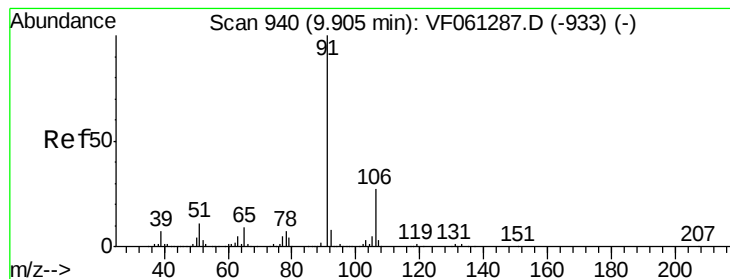


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 3964.527 ug/l

RT: 9.98 min Scan# 948

Delta R.T. 0.08 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

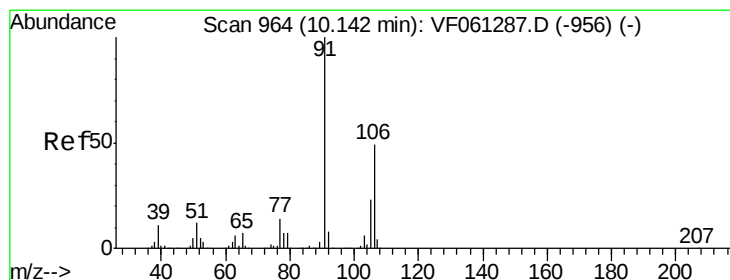
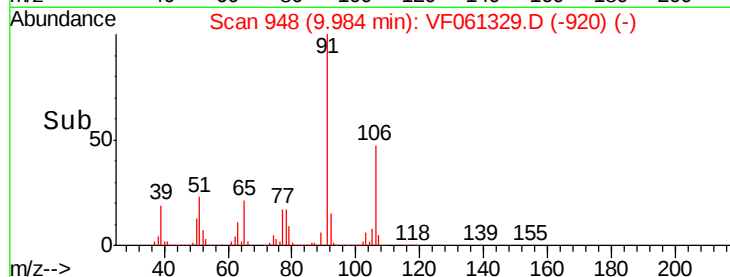
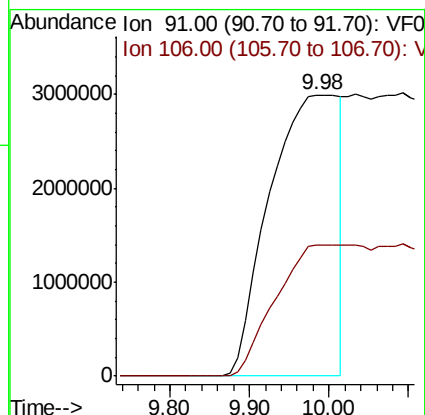
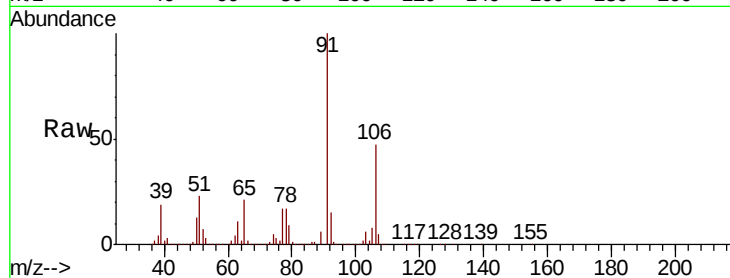
CROSSWICKS-DRUM-1

Tgt Ion: 91 Resp:18171405

Ion Ratio Lower Upper

91 100

106 46.7 21.4 32.2#



#68

m/p-Xylenes

Concen: 422.305 ug/l

RT: 9.98 min Scan# 948

Delta R.T. -0.16 min

Lab File: VF061329.D

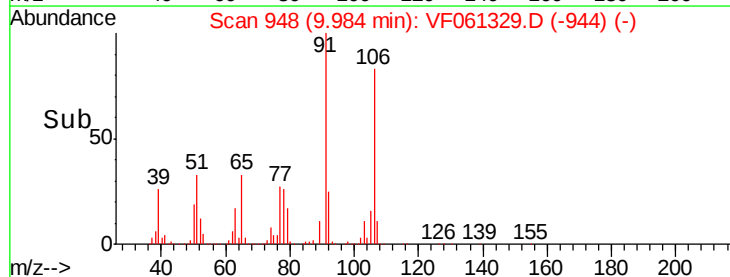
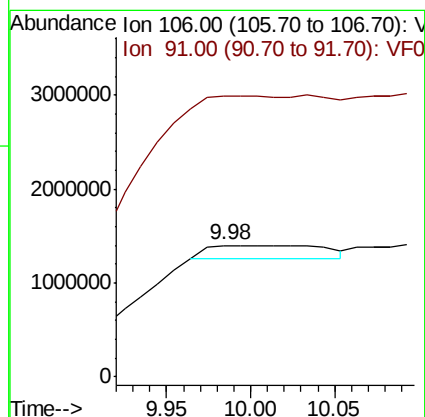
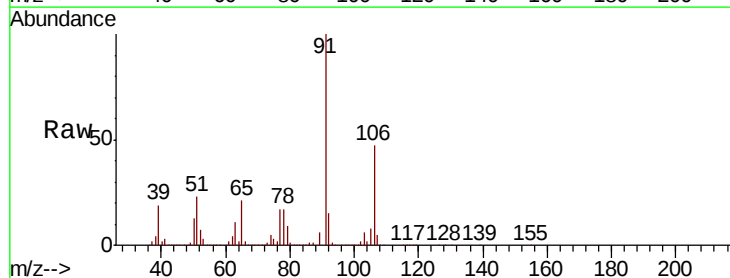
Acq: 10 Jan 2019 6:32

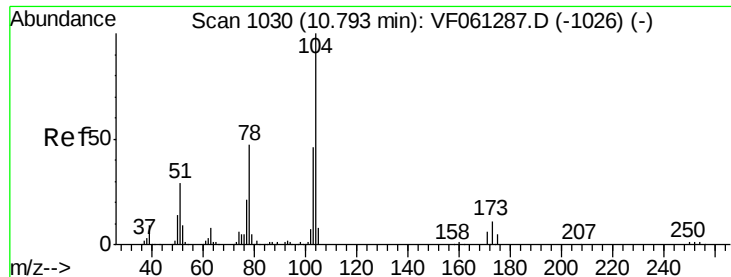
Tgt Ion:106 Resp: 675189

Ion Ratio Lower Upper

106 100

91 214.1 165.0 247.6

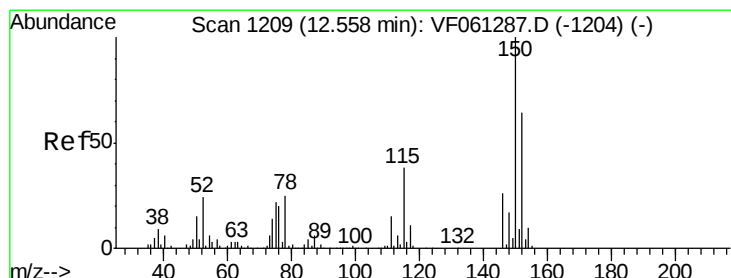
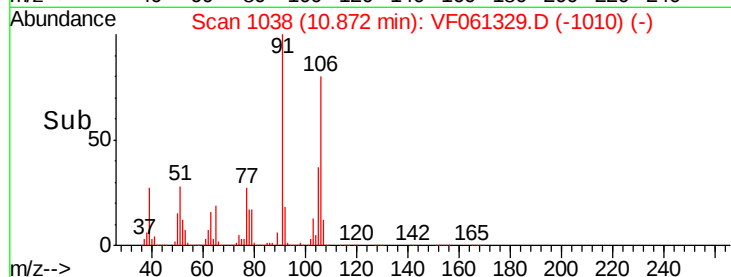
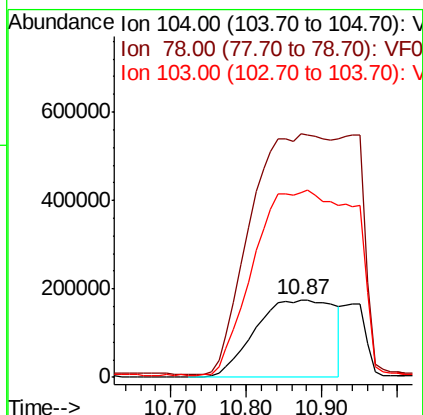
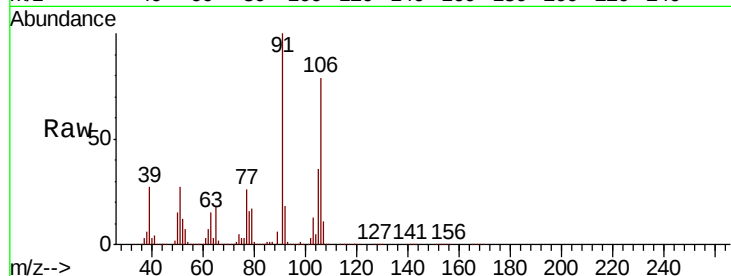




#70
Styrene
Concen: 526.559 ug/l
RT: 10.87 min Scan# 1038
Delta R.T. 0.08 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

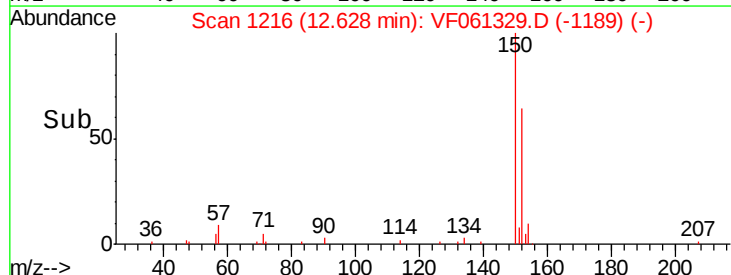
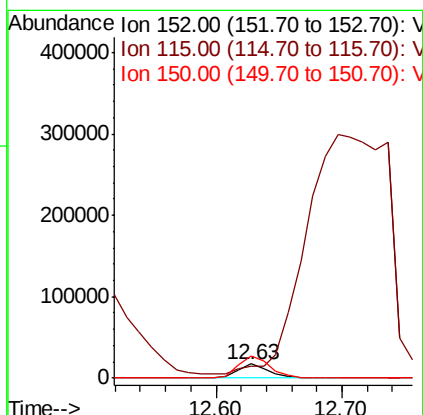
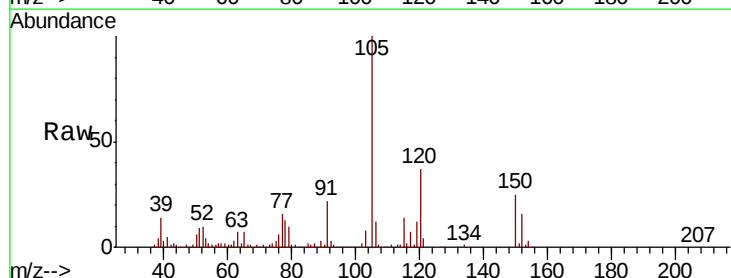
Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

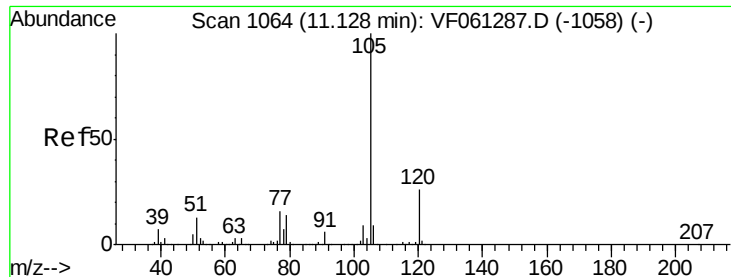
Tgt Ion:104 Resp: 1252813
Ion Ratio Lower Upper
104 100
78 314.2 38.0 57.0#
103 239.2 36.7 55.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1216
Delta R.T. 0.07 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion:152 Resp: 29617
Ion Ratio Lower Upper
152 100
115 85.0 29.6 88.9
150 154.3 0.0 315.4

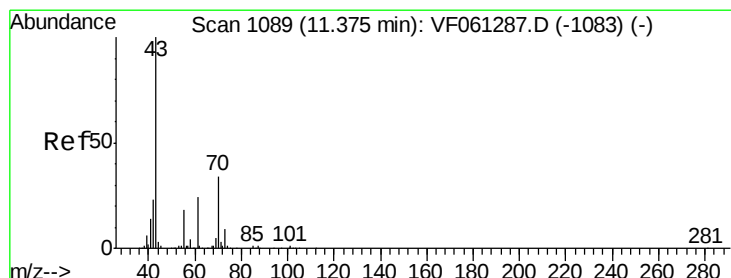
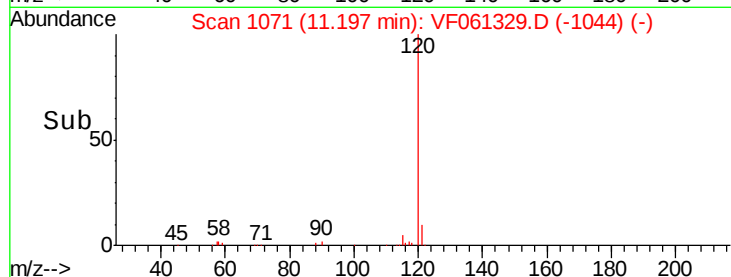
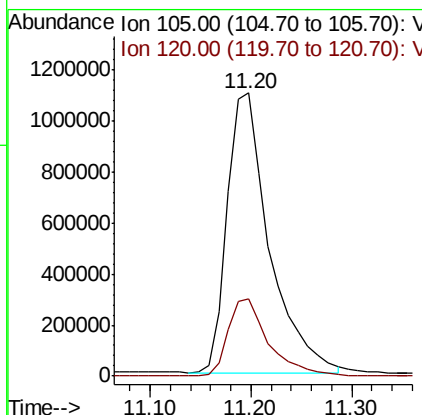
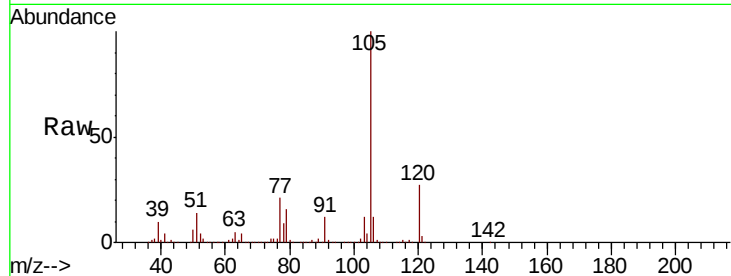




#73
Isopropylbenzene
Concen: 1221.561 ug/l
RT: 11.20 min Scan# 1071
Delta R.T. 0.07 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

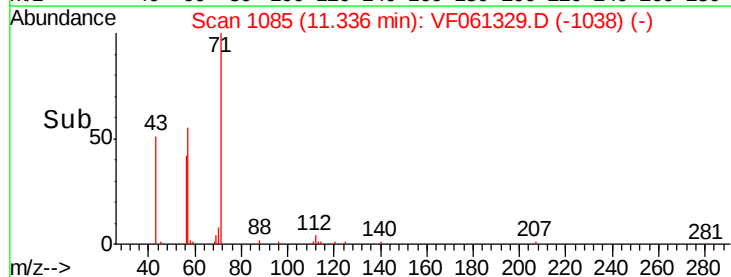
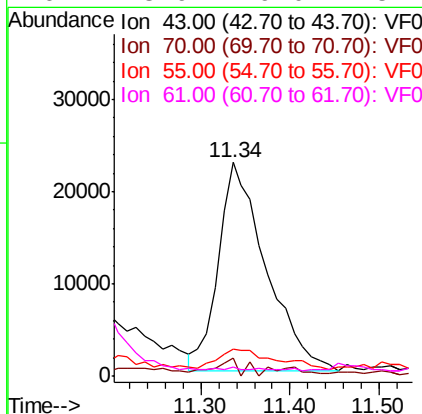
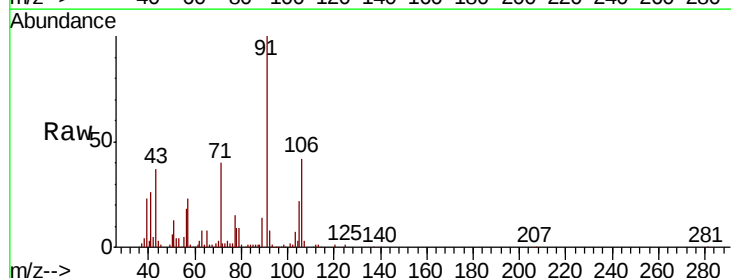
Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

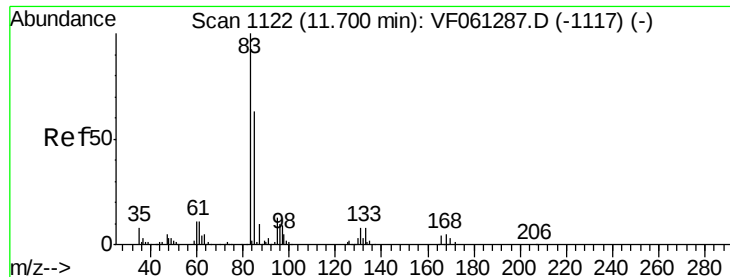
Tgt Ion:105 Resp: 3183540
Ion Ratio Lower Upper
105 100
120 27.1 12.9 38.7



#74
N-ethyl acetate
Concen: 142.208 ug/l
RT: 11.34 min Scan# 1085
Delta R.T. -0.04 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 43 Resp: 84247
Ion Ratio Lower Upper
43 100
70 8.3 27.4 41.0#
55 12.5 14.7 22.1#
61 3.9 19.0 28.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.476 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

CROSSWICKS-DRUM-1

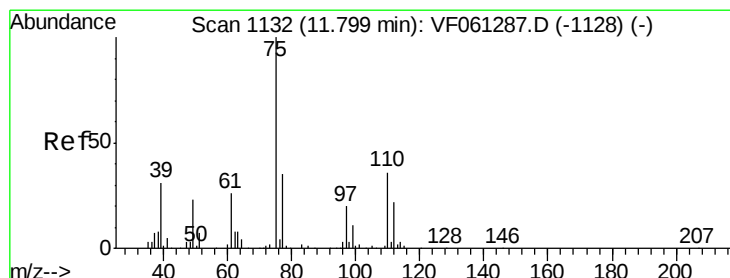
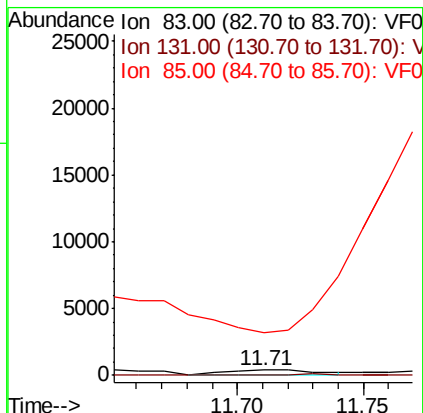
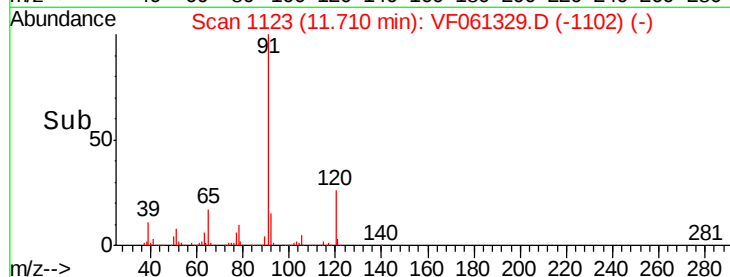
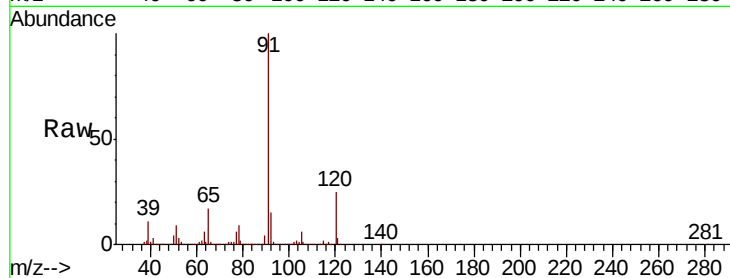
Tgt Ion: 83 Resp: 1023

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.7#

85 798.7 31.6 94.7#



#76

1,2,3-Trichloropropane

Concen: 1489.979 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.03 min

Lab File: VF061329.D

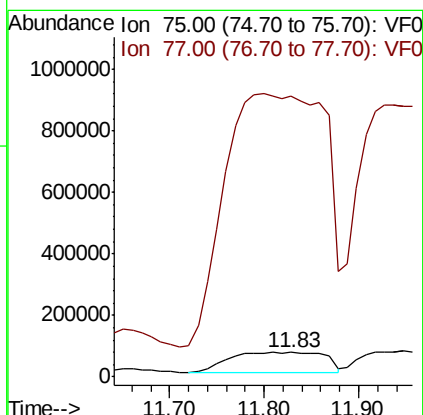
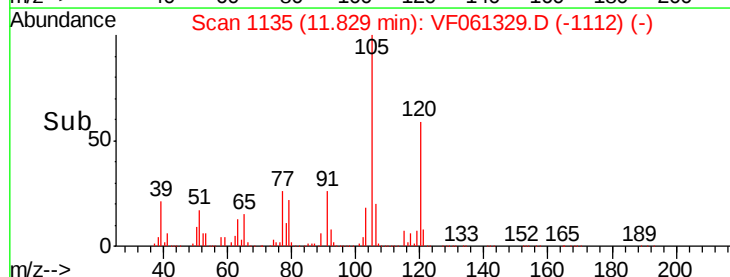
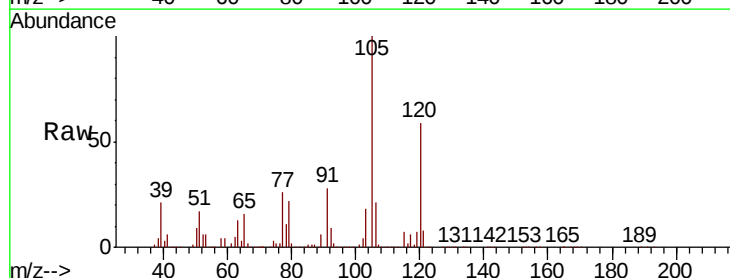
Acq: 10 Jan 2019 6:32

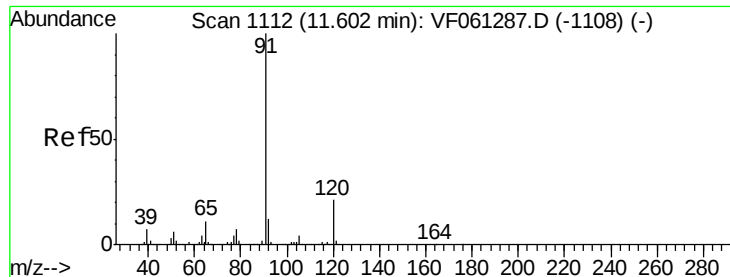
Tgt Ion: 75 Resp: 451567

Ion Ratio Lower Upper

75 100

77 1143.4 17.5 52.5#





#78

n-propylbenzene

Concen: 4290.855 ug/l

RT: 11.65 min Scan# 1117

Delta R.T. 0.05 min

Lab File: VF061329.D

Acq: 10 Jan 2019 6:32

Instrument :

MSVOA_F

ClientSampleId :

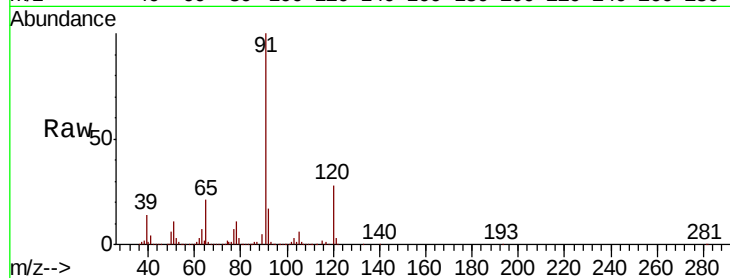
CROSSWICKS-DRUM-1

Tgt Ion: 91 Resp:13332960

Ion Ratio Lower Upper

91 100

120 27.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

2500000 Ion 120.00 (119.70 to 120.70): V

2000000

1500000

1000000

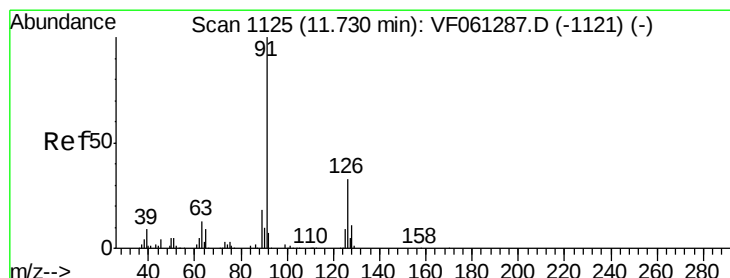
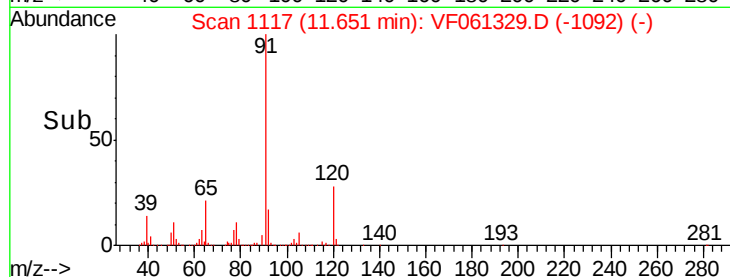
500000

0

11.60

11.80

Time-->



#79

2-Chlorotoluene

Concen: 7645.130 ug/l

RT: 11.65 min Scan# 1117

Delta R.T. -0.08 min

Lab File: VF061329.D

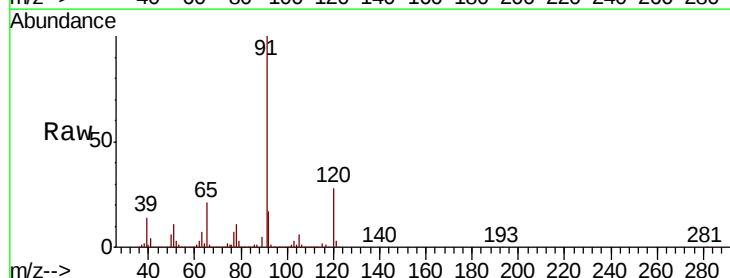
Acq: 10 Jan 2019 6:32

Tgt Ion: 91 Resp:13235390

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

2500000 Ion 126.00 (125.70 to 126.70): V

2000000

1500000

1000000

500000

0

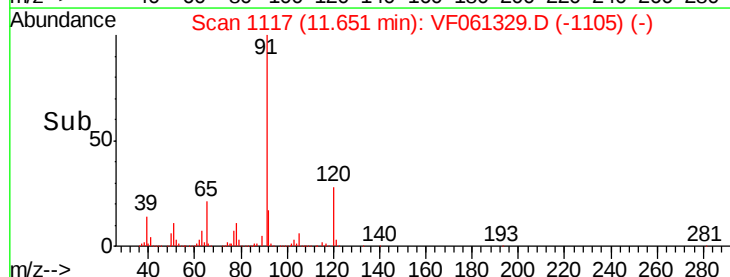
11.50

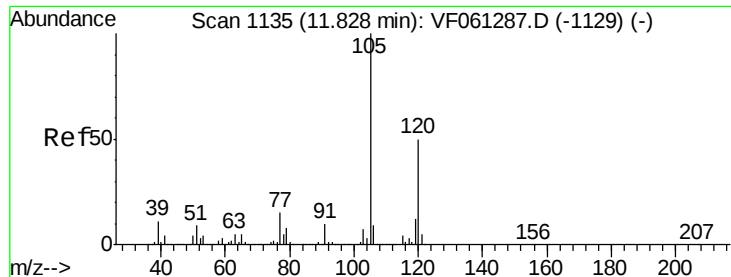
11.60

11.70

11.80

Time-->

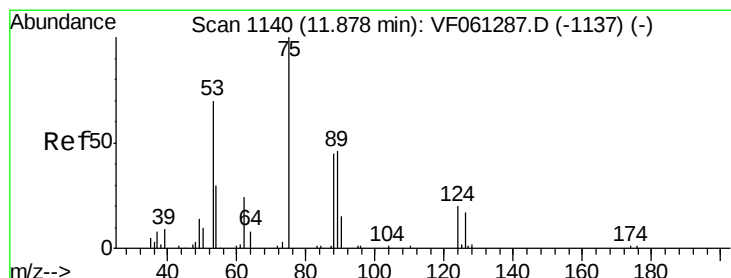
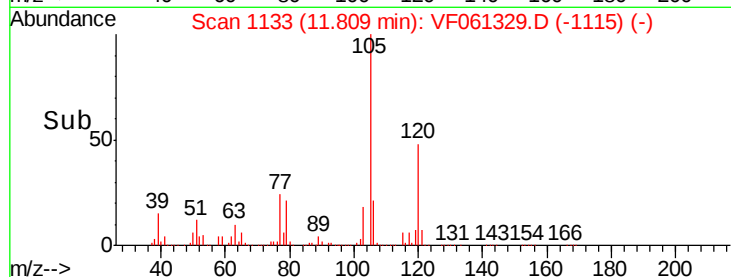
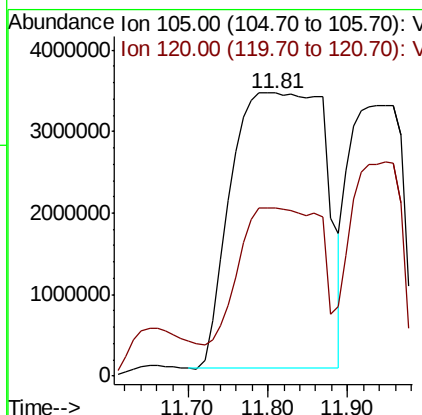
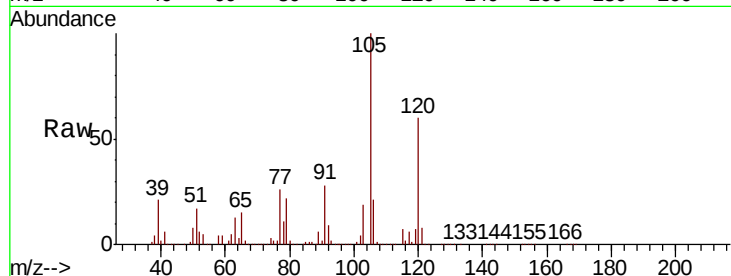




#80
 1,3,5-Trimethylbenzene
 Concen: 13358.803 ug/l
 RT: 11.81 min Scan# 1133
 Delta R.T. -0.02 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

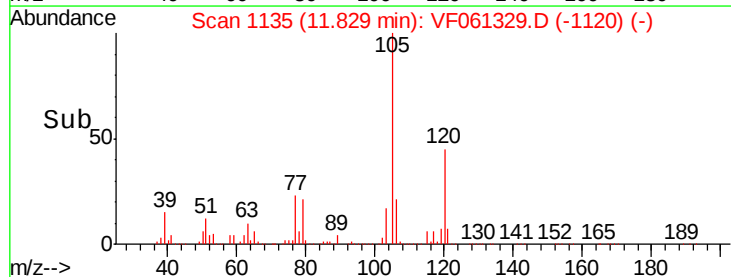
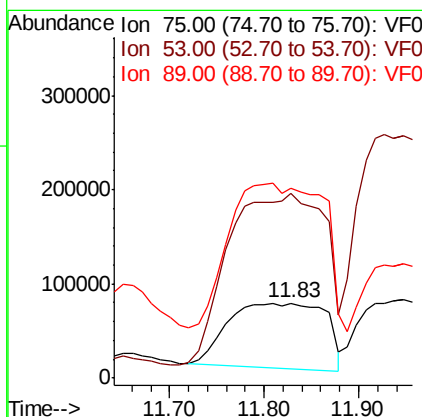
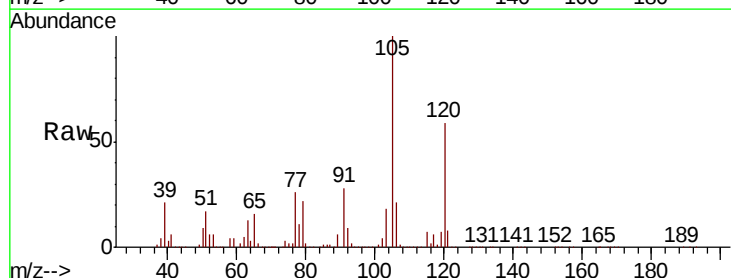
Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-1

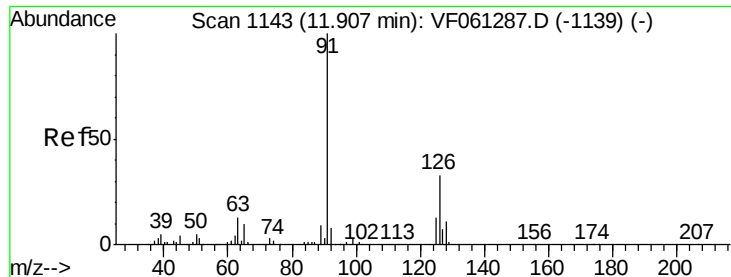
Tgt Ion:105 Resp:27702396
 Ion Ratio Lower Upper
 105 100
 120 59.6 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 3675.662 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. -0.05 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

Tgt Ion: 75 Resp: 486806
 Ion Ratio Lower Upper
 75 100
 53 245.7 62.2 93.2#
 89 253.5 40.2 60.4#

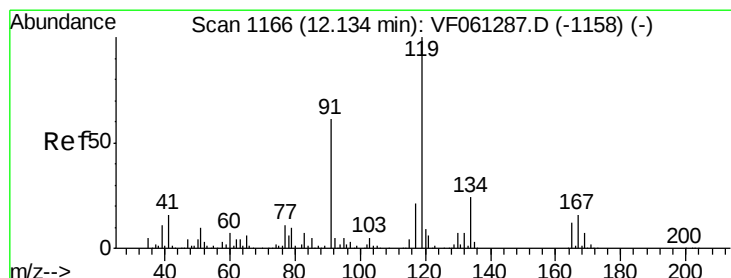
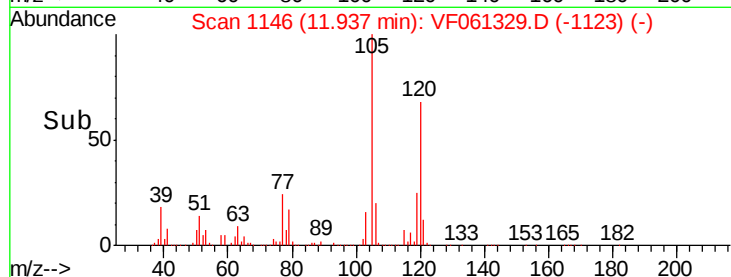
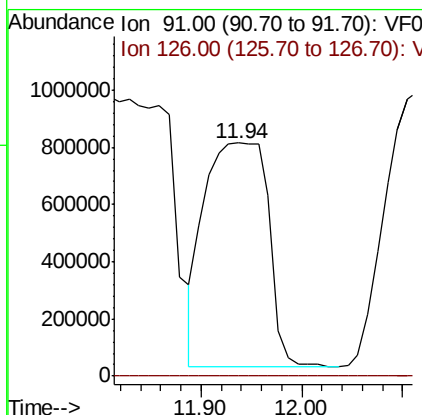
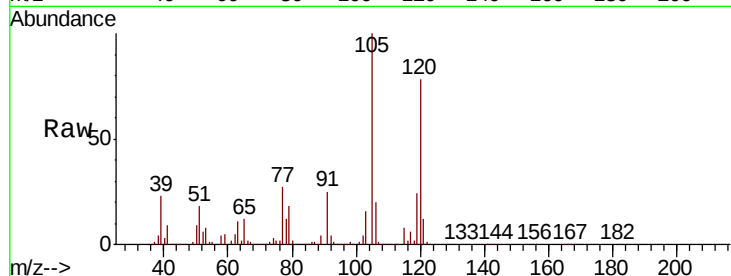




#82
4-Chlorotoluene
Concen: 1951.946 ug/l
RT: 11.94 min Scan# 1146
Delta R.T. 0.03 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

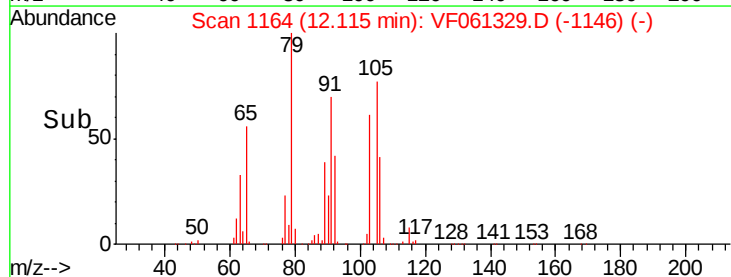
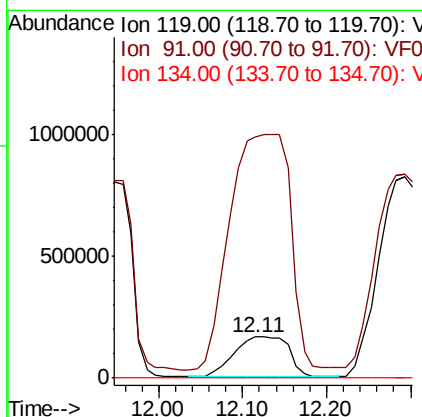
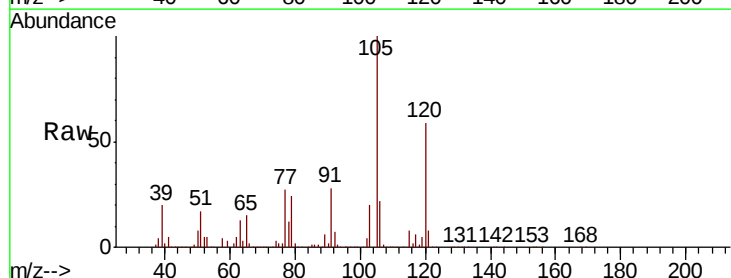
Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

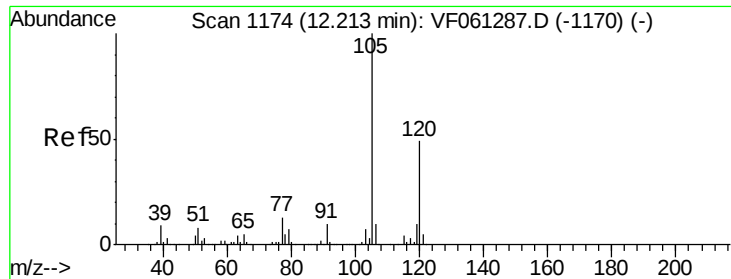
Tgt Ion: 91 Resp: 3433759
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.4#



#83
tert-Butylbenzene
Concen: 362.163 ug/l
RT: 12.11 min Scan# 1164
Delta R.T. -0.02 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 119 Resp: 748241
Ion Ratio Lower Upper
119 100
91 587.5 30.8 92.4#
134 0.0 11.9 35.9#

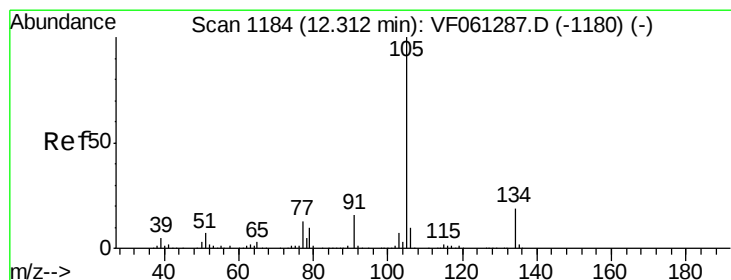
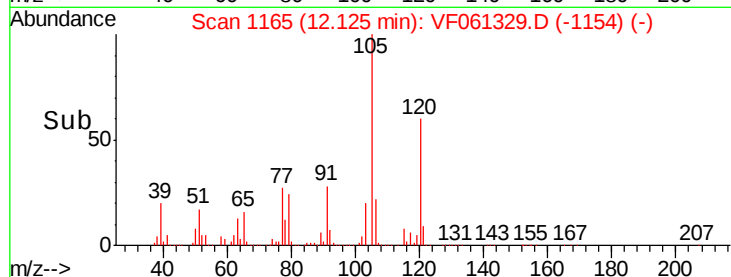
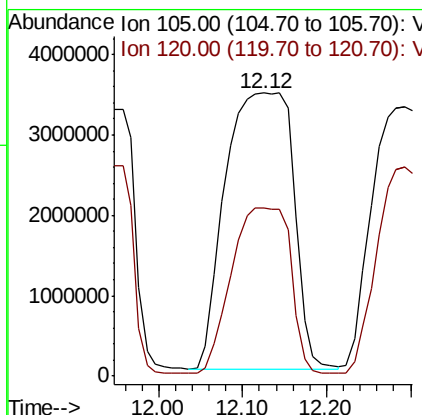
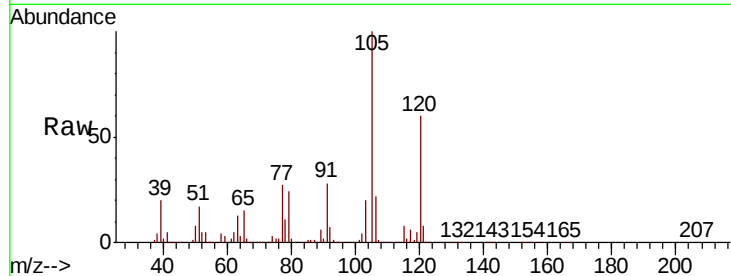




#84
 1,2,4-Trimethylbenzene
 Concen: 9363.452 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.09 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

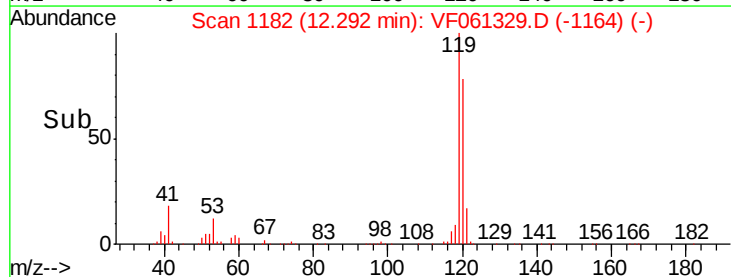
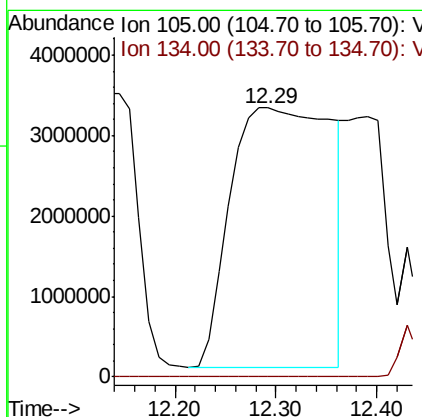
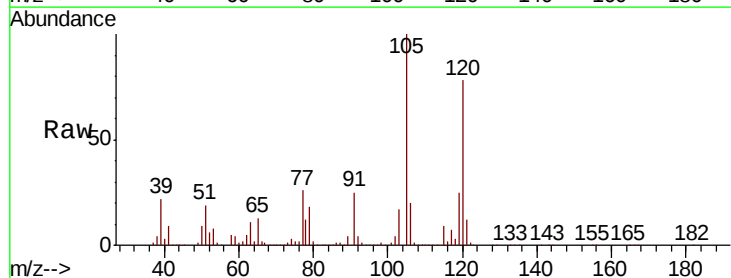
Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-1

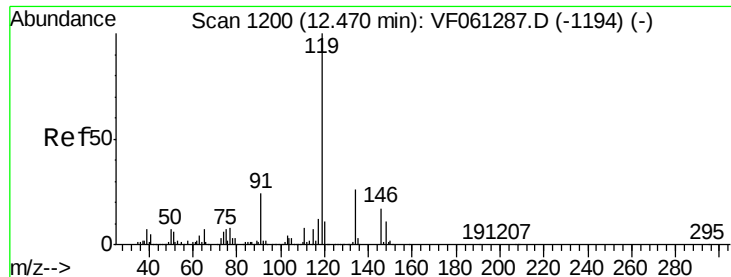
Tgt Ion:105 Resp:19278010
 Ion Ratio Lower Upper
 105 100
 120 59.5 24.7 74.1



#85
 sec-Butylbenzene
 Concen: 7582.080 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

Tgt Ion:105 Resp:22304694
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 28.9#

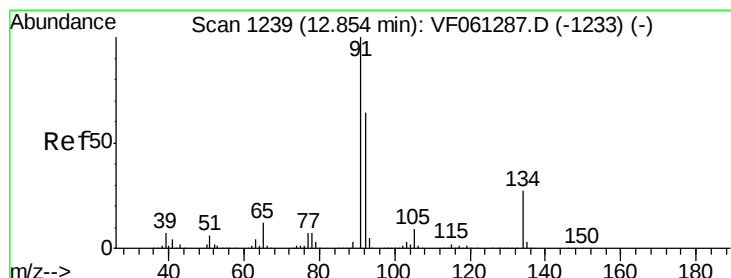
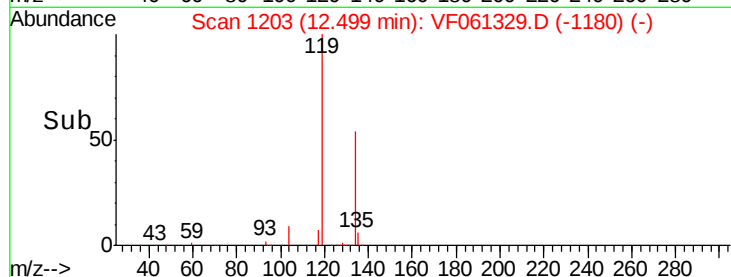
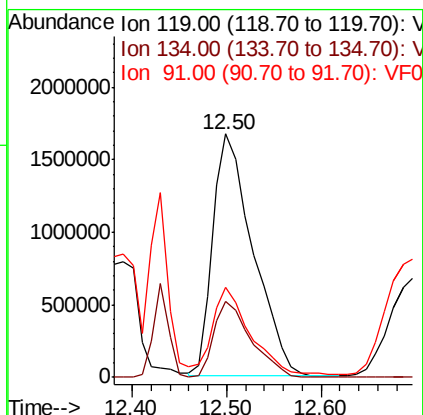
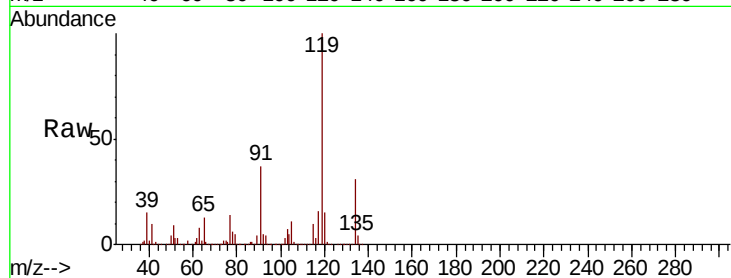




#86
p-Isopropyltoluene
Concen: 2061.835 ug/l
RT: 12.50 min Scan# 1203
Delta R.T. 0.03 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

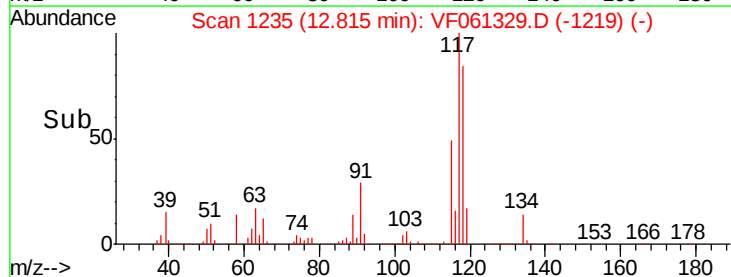
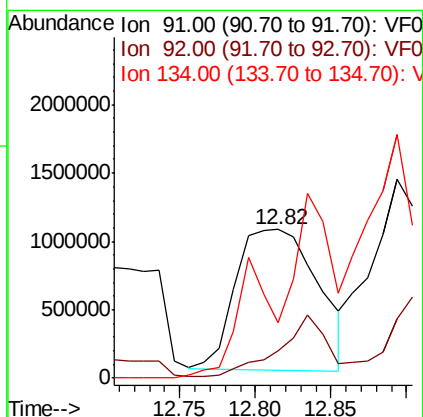
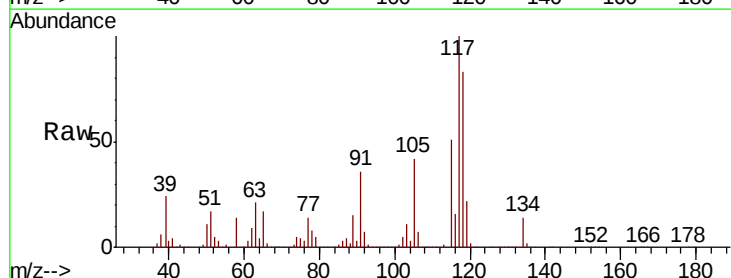
Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

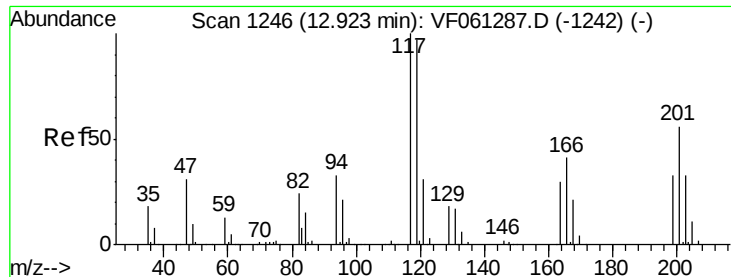
Tgt Ion: 119 Resp: 4933476
Ion Ratio Lower Upper
119 100
134 31.4 13.0 39.0
91 36.7 12.2 36.4#



#89
n-Butylbenzene
Concen: 1586.551 ug/l
RT: 12.82 min Scan# 1235
Delta R.T. -0.04 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 91 Resp: 3900556
Ion Ratio Lower Upper
91 100
92 18.3 32.1 96.3#
134 37.5 13.4 40.1

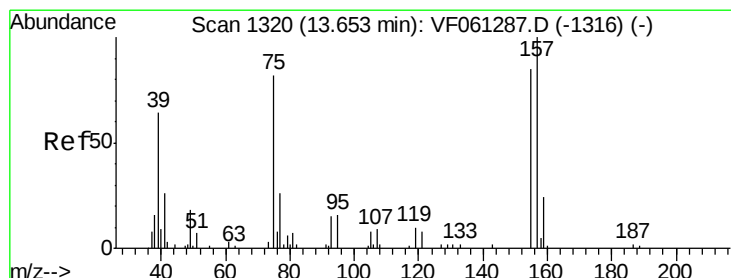
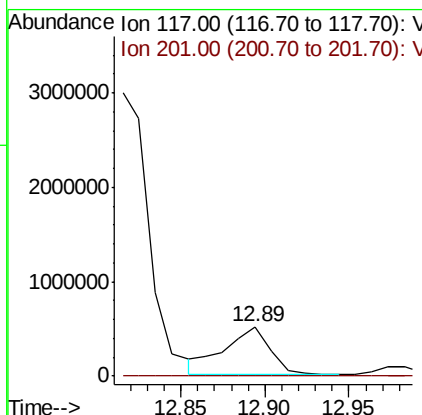
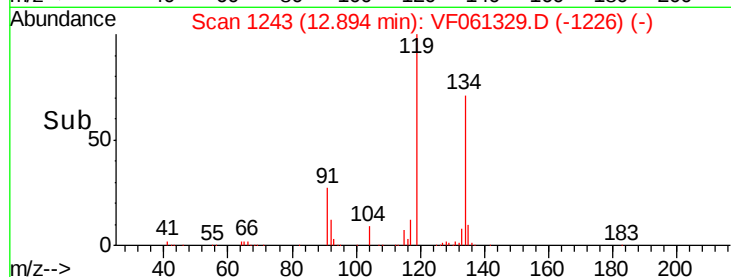
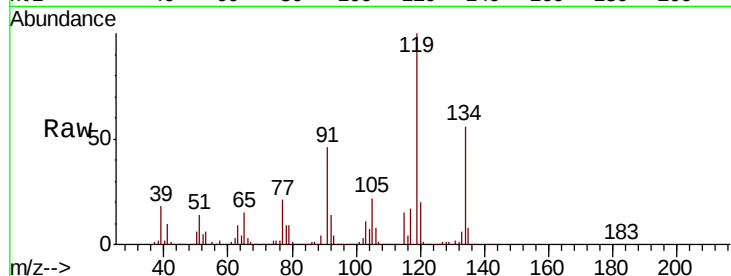




#90
Hexachloroethane
Concen: 1731.612 ug/l
RT: 12.89 min Scan# 1243
Delta R.T. -0.03 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

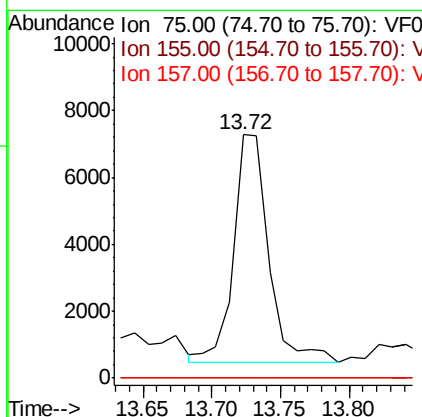
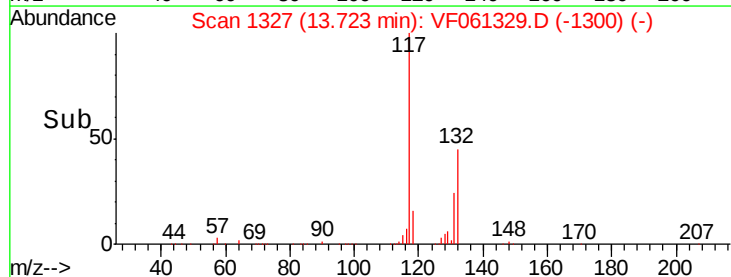
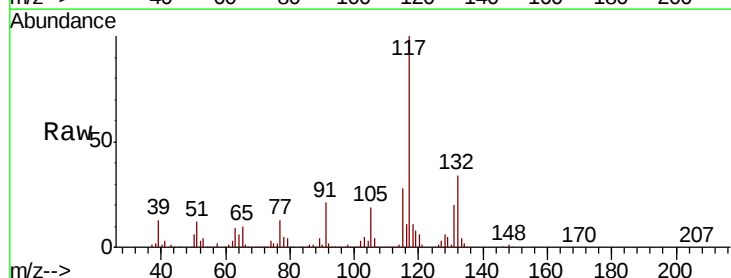
Instrument :
MSVOA_F
ClientSampleId :
CROSSWICKS-DRUM-1

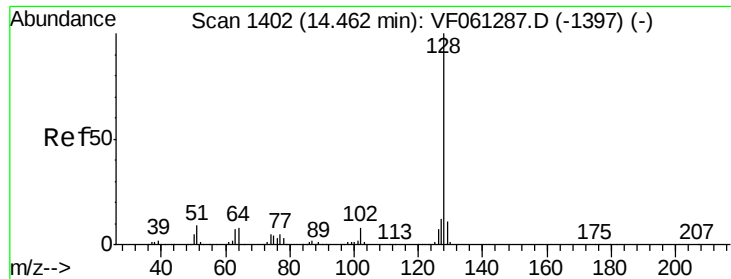
Tgt Ion:117 Resp: 947775
Ion Ratio Lower Upper
117 100
201 0.0 27.9 83.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 172.232 ug/l
RT: 13.72 min Scan# 1327
Delta R.T. 0.07 min
Lab File: VF061329.D
Acq: 10 Jan 2019 6:32

Tgt Ion: 75 Resp: 12025
Ion Ratio Lower Upper
75 100
155 0.0 51.3 154.0#
157 0.0 60.7 182.0#





#95
 Naphthalene
 Concen: 107.469 ug/l
 RT: 14.47 min Scan# 1403
 Delta R.T. 0.01 min
 Lab File: VF061329.D
 Acq: 10 Jan 2019 6:32

Instrument :
 MSVOA_F
 ClientSampleId :
 CROSSWICKS-DRUM-1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.4	14.0
129	11.1	8.8	13.2

