

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
 Data File : VF062361.D
 Acq On : 7 May 2019 16:57
 Operator : FY/SY
 Sample : K2647-01
 Misc : 6.91g/5mL/MSVOA_F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-04-050219-A

Quant Time: May 07 17:18:34 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	5.04	168	247256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	326631	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	225640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	134751	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	97894	41.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.78%	
35) Dibromofluoromethane	4.30	113	116292	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
50) Toluene-d8	7.70	98	219085	34.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.56%	
62) 4-Bromofluorobenzene	11.49	95	112880	39.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.44%	

Target Compounds					Qvalue
5) Bromomethane	1.43	94	644	Below Cal	# 3
8) Diethyl Ether	1.70	74	844	1.428	ug/l 86
11) Tert butyl alcohol	2.69	59	1613	12.214	ug/l # 70
13) Acrolein	2.09	56	580	Below Cal	# 13
15) Acrylonitrile	3.08	53	2042	8.163	ug/l # 38
16) Acetone	2.34	43	23425	49.557	ug/l 93
18) Methyl Acetate	2.45	43	916	Below Cal	# 1
20) Methylene Chloride	2.32	84	9610	5.619	ug/l # 85
25) 2-Butanone	4.53	43	2855	4.808	ug/l # 60
29) Tetrahydrofuran	4.28	42	1099	4.027	ug/l # 42
37) Ethyl Acetate	4.28	43	238	Below Cal	# 1
38) Carbon Tetrachloride	4.22	117	161	Below Cal	# 14
39) Methylcyclohexane	5.64	83	15617	5.550	ug/l 93
41) Methacrylonitrile	4.92	41	1342	1.995	ug/l # 32
43) Isopropyl Acetate	7.16	43	7526	5.897	ug/l # 48
48) Methyl methacrylate	6.82	41	2121	2.352	ug/l # 1
49) 1,4-Dioxane	6.80	88	79	Below Cal	# 1
51) 4-Methyl-2-Pentanone	8.41	43	37265	38.534	ug/l # 48
52) Toluene	7.78	92	3848	1.010	ug/l 91
56) Ethyl methacrylate	8.75	69	73993	57.929	ug/l # 72
59) 2-Hexanone	9.66	43	7346	10.983	ug/l # 28
73) Isopropylbenzene	11.21	105	12632	1.581	ug/l 98
74) N-amyl acetate	11.46	43	12023	7.010	ug/l # 50
75) 1,1,2,2-Tetrachloroethane	11.74	83	26636	21.295	ug/l # 22
78) n-propylbenzene	11.66	91	13695	1.610	ug/l 91
81) trans-1,4-Dichloro-2-buten	11.95	75	762	2.124	ug/l # 1
82) 4-Chlorotoluene	12.05	91	6024	1.153	ug/l 98
83) tert-Butylbenzene	12.19	119	13541	1.840	ug/l # 70
85) sec-Butylbenzene	12.36	105	94689	10.572	ug/l # 72
89) n-Butylbenzene	12.89	91	64748	8.745	ug/l 95
90) Hexachloroethane	12.98	117	6629	3.190	ug/l # 3
92) 1,2-Dibromo-3-Chloropropan	13.68	75	1638	5.845	ug/l # 1
95) Naphthalene	14.49	128	59255	11.856	ug/l # 10
96) 1,2,3-Trichlorobenzene	14.63	180	6178	1.918	ug/l # 47

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QLast Update : Tue May 07 04:34:57 2019
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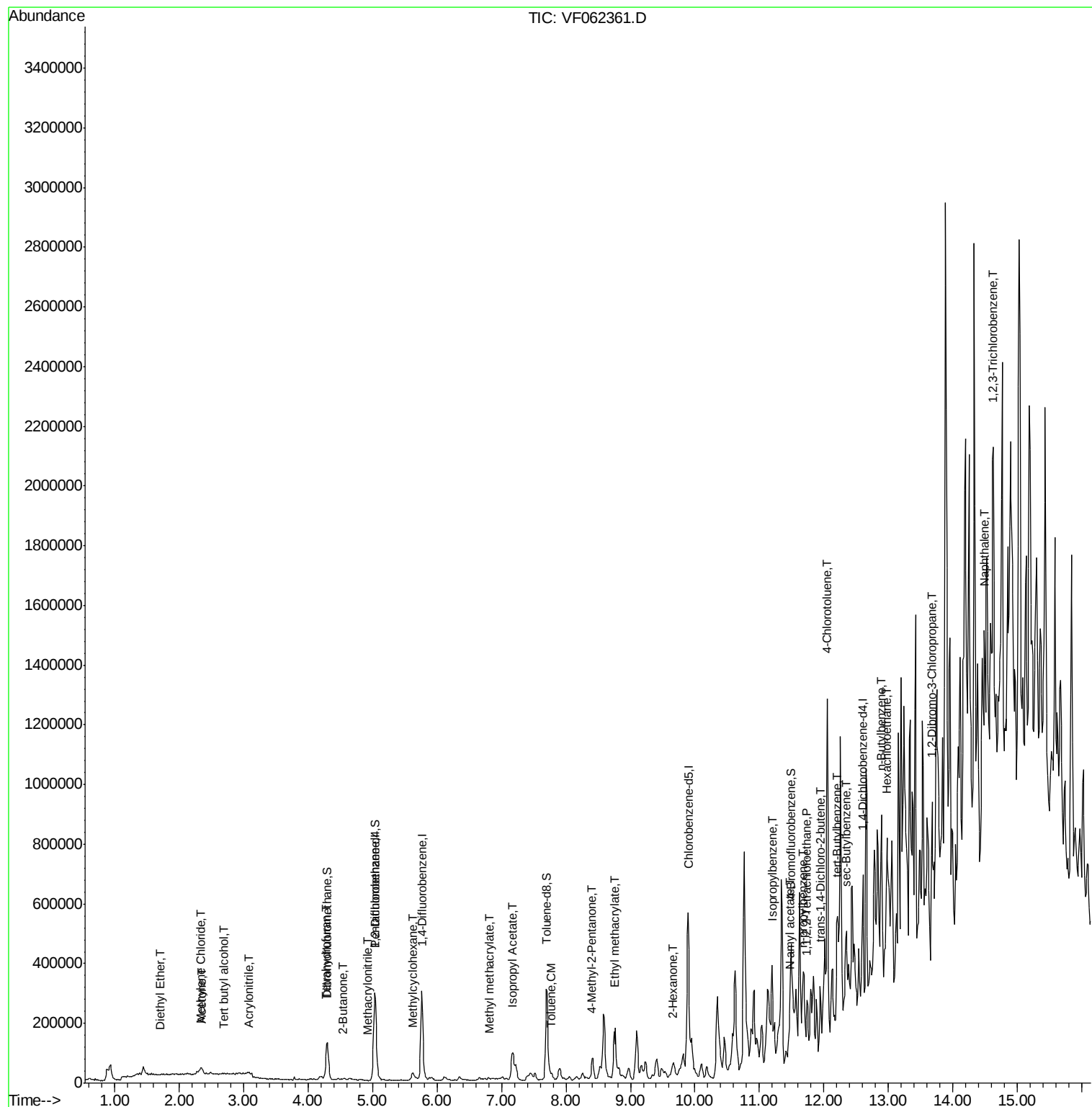
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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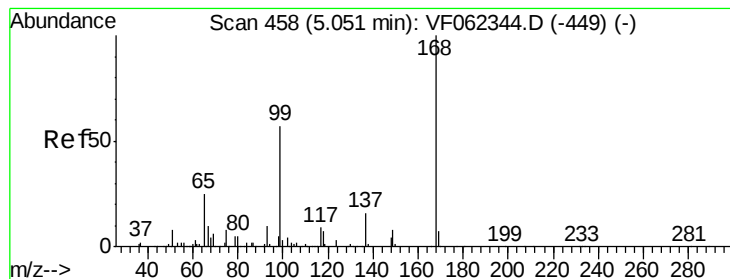
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

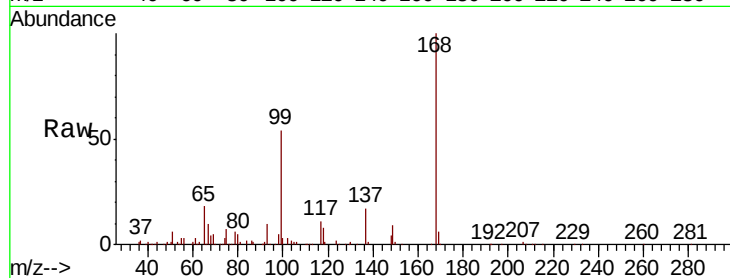
SU-04-050219-A

Tgt Ion:168 Resp: 247256

Ion Ratio Lower Upper

168 100

99 53.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

80000

60000

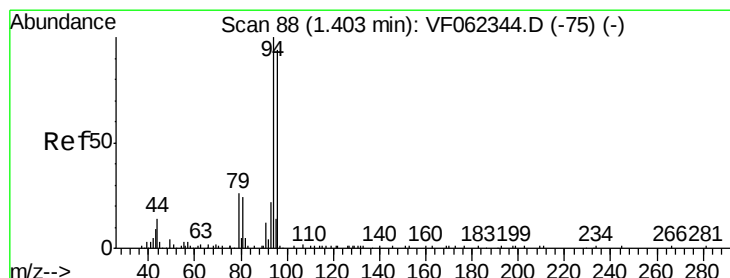
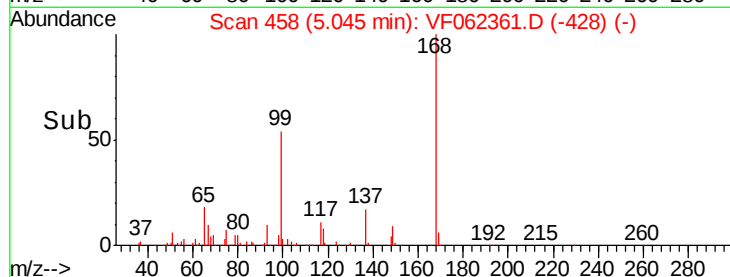
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#5

Bromomethane

Concen: Below Cal

RT: 1.43 min Scan# 91

Delta R.T. 0.02 min

Lab File: VF062361.D

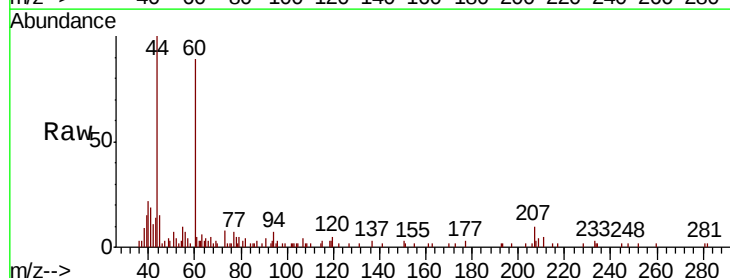
Acq: 7 May 2019 16:57

Tgt Ion: 94 Resp: 644

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.43

800

600

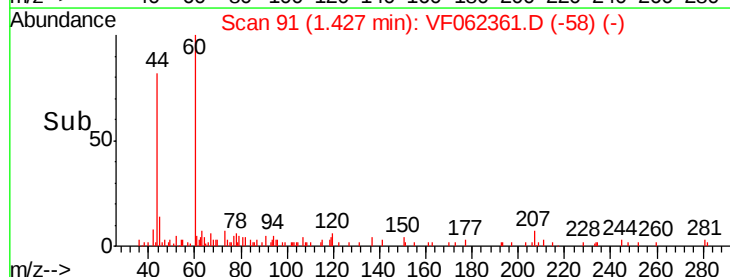
400

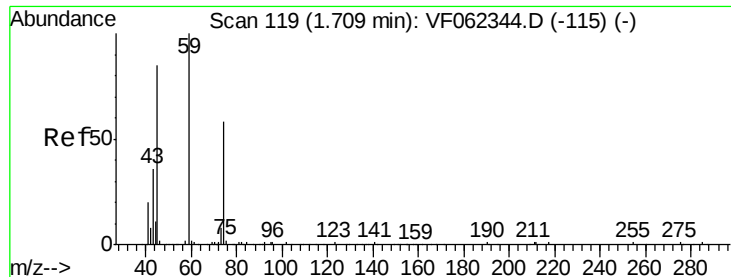
200

0

Time-->

1.40 1.42 1.44 1.46





#8

Diethyl Ether

Concen: 1.428 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

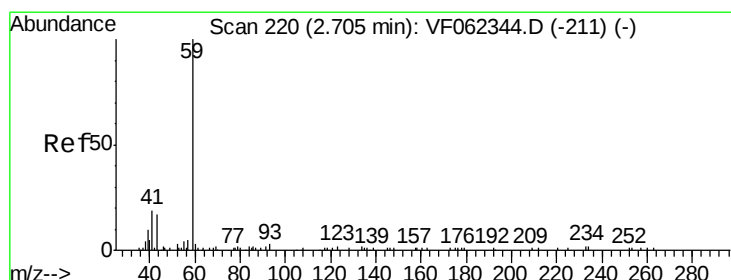
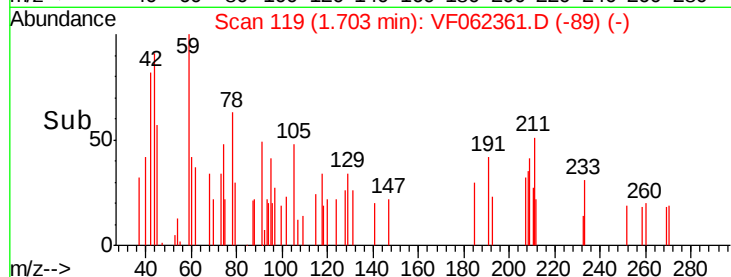
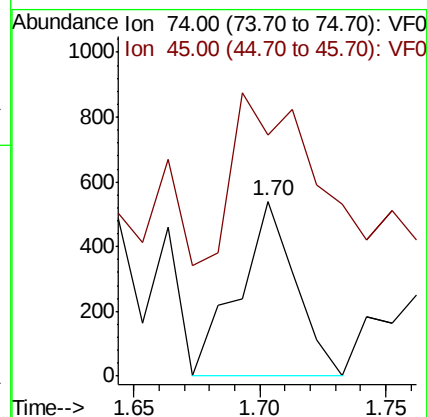
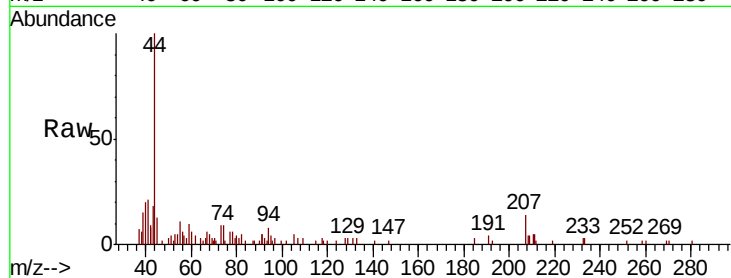
SU-04-050219-A

Tgt Ion: 74 Resp: 844

Ion Ratio Lower Upper

74 100

45 164.9 73.9 221.6



#11

Tert butyl alcohol

Concen: 12.214 ug/l

RT: 2.69 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF062361.D

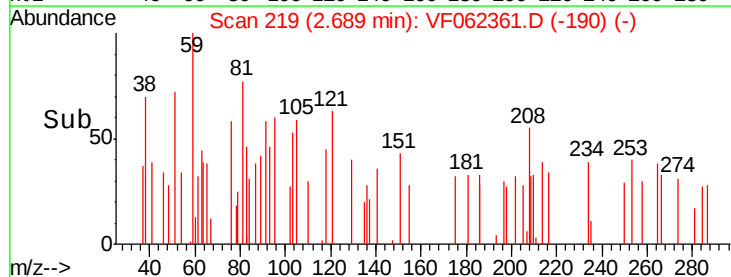
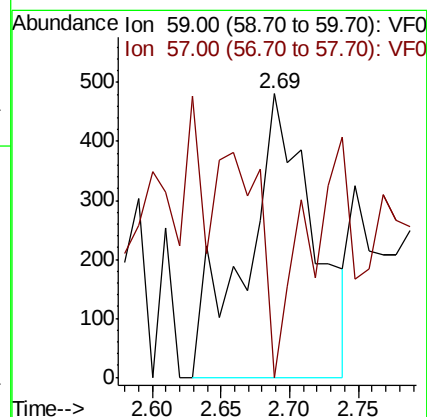
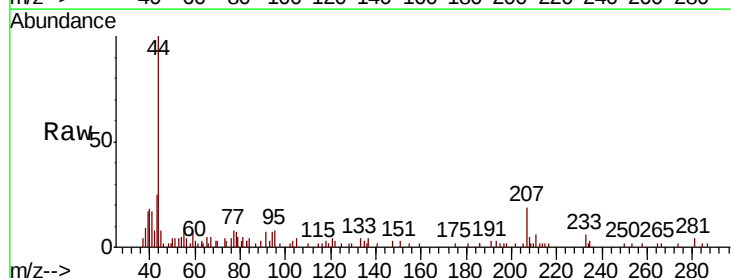
Acq: 7 May 2019 16:57

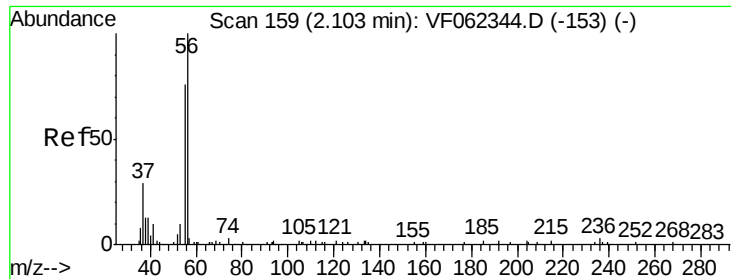
Tgt Ion: 59 Resp: 1613

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#

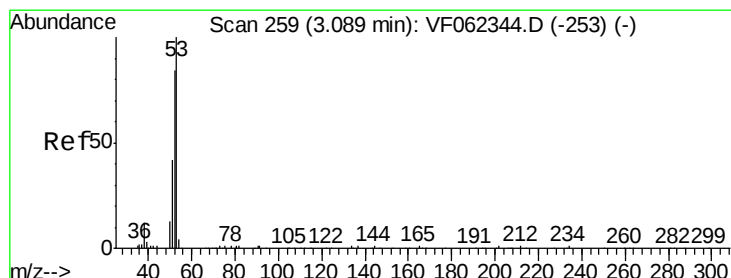
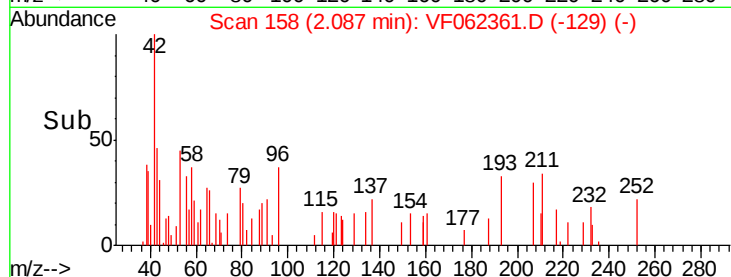
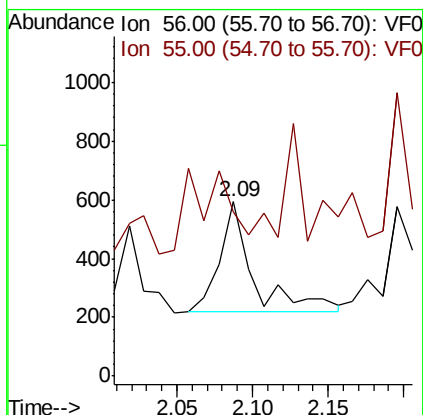
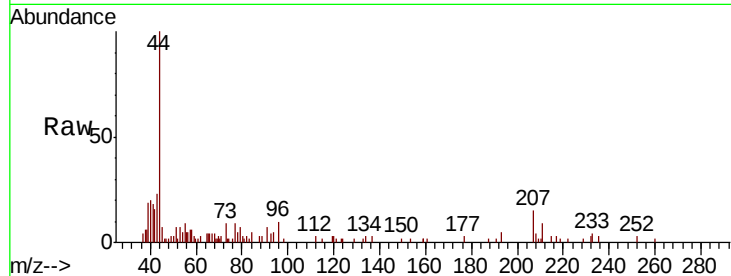




#13
Acrolein
Concen: Below Cal
RT: 2.09 min Scan# 158
Delta R.T. -0.02 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

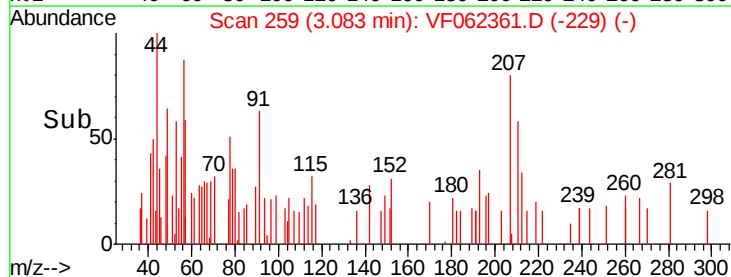
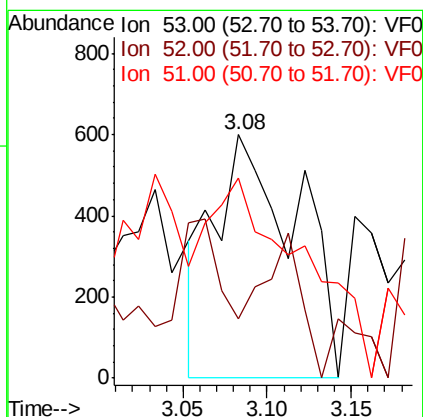
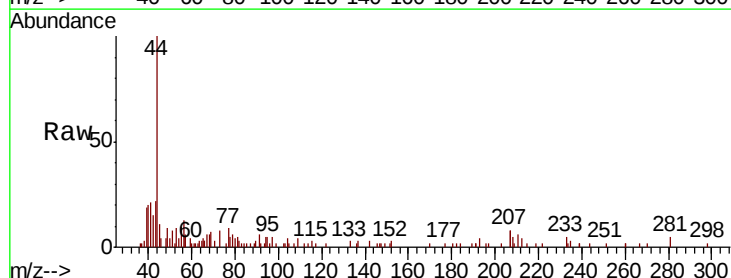
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SU-04-050219-A

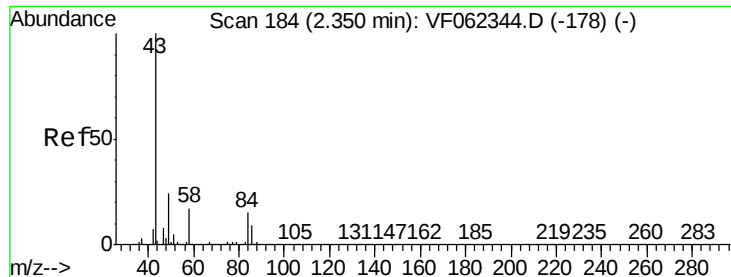
Tgt Ion: 56 Resp: 580
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#15
Acrylonitrile
Concen: 8.163 ug/l
RT: 3.08 min Scan# 259
Delta R.T. -0.01 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

Tgt Ion: 53 Resp: 2042
Ion Ratio Lower Upper
53 100
52 37.1 77.2 115.8#
51 95.7 40.6 61.0#





#16

Acetone

Concen: 49.557 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

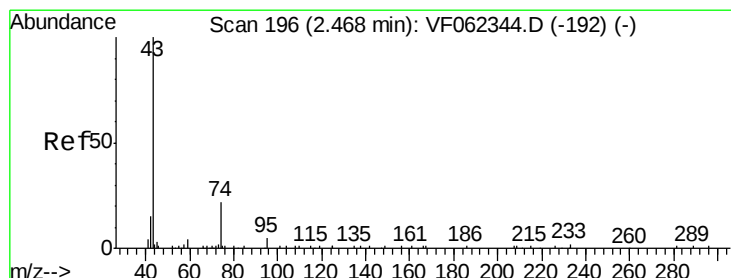
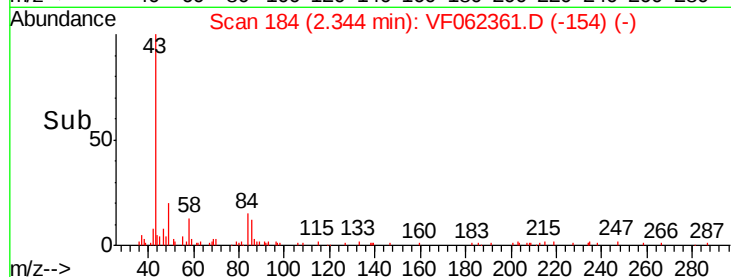
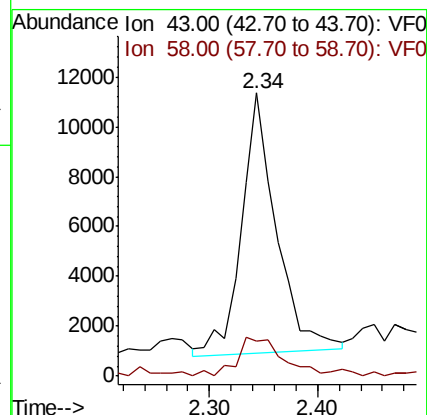
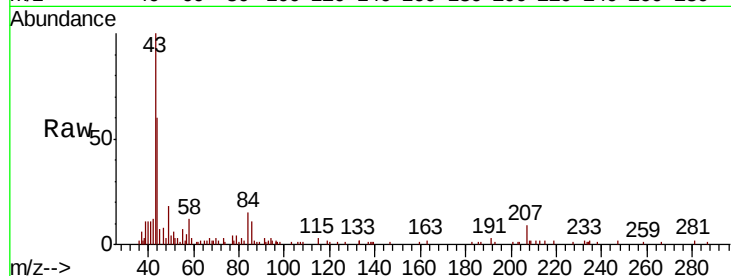
SU-04-050219-A

Tgt Ion: 43 Resp: 23425

Ion Ratio Lower Upper

43 100

58 13.6 13.1 19.7



#18

Methyl Acetate

Concen: Below Cal

RT: 2.45 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF062361.D

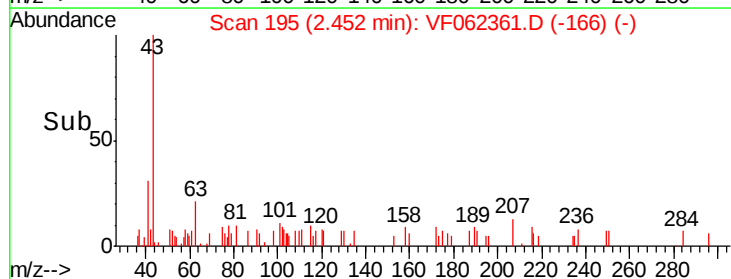
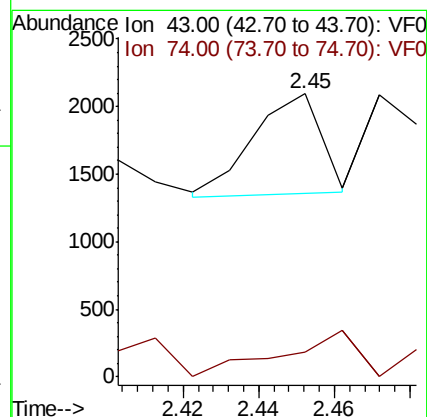
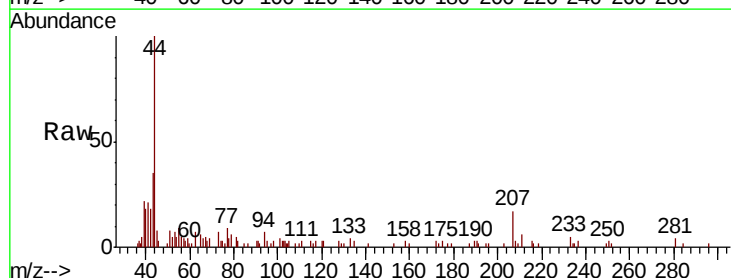
Acq: 7 May 2019 16:57

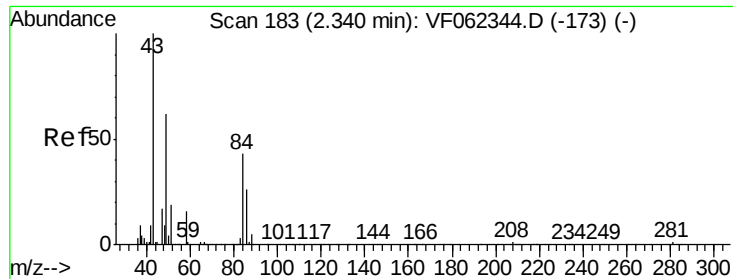
Tgt Ion: 43 Resp: 916

Ion Ratio Lower Upper

43 100

74 64.3 15.0 22.4#

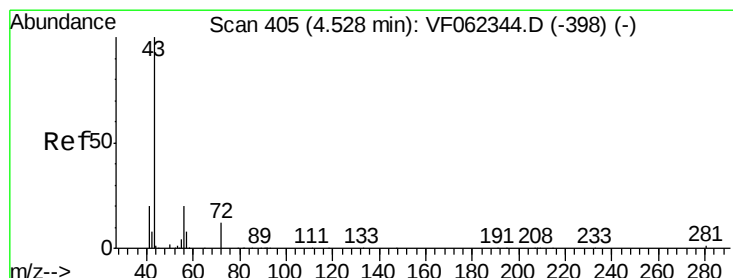
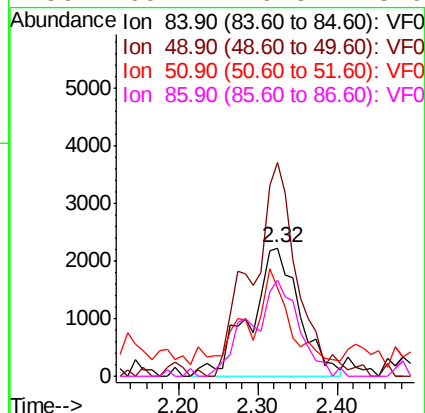
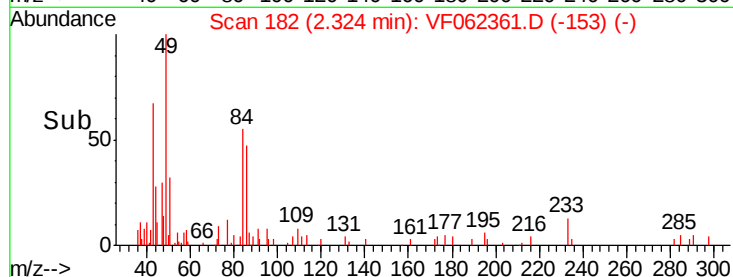
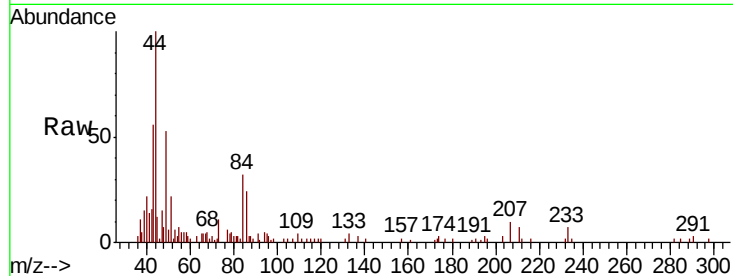




#20
Methylene Chloride
Concen: 5.619 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

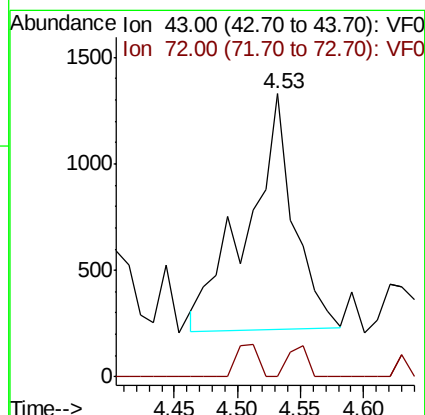
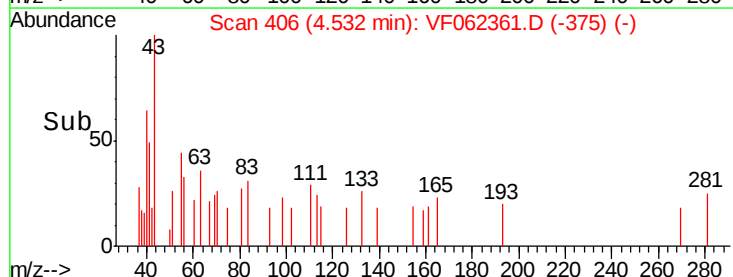
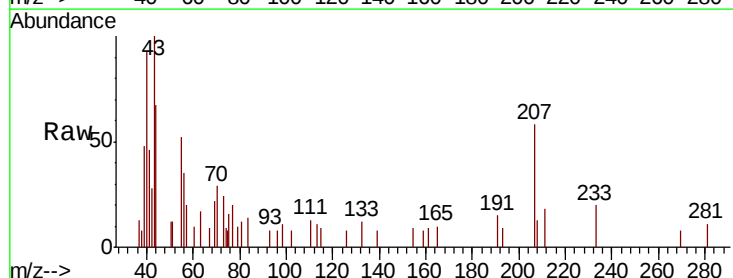
Instrument :
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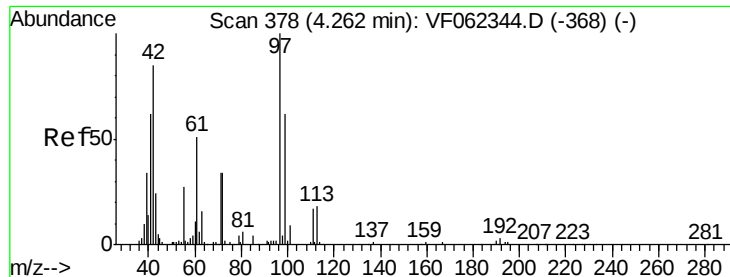
Tgt Ion: 84 Resp: 9610
Ion Ratio Lower Upper
84 100
49 166.5 117.5 176.3
51 60.5 37.0 55.4#
86 69.2 49.3 73.9



#25
2-Butanone
Concen: 4.808 ug/l
RT: 4.53 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

Tgt Ion: 43 Resp: 2855
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#





#29

Tetrahydrofuran

Concen: 4.027 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

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ClientSampleId :

SU-04-050219-A

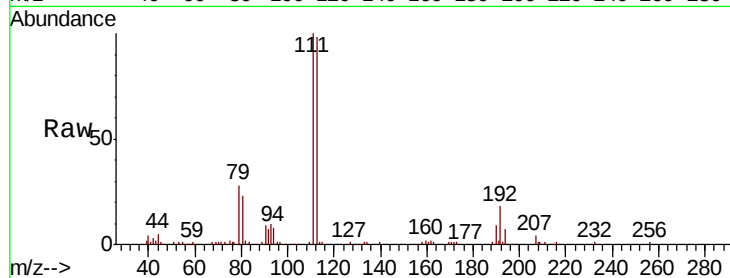
Tgt Ion: 42 Resp: 1099

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

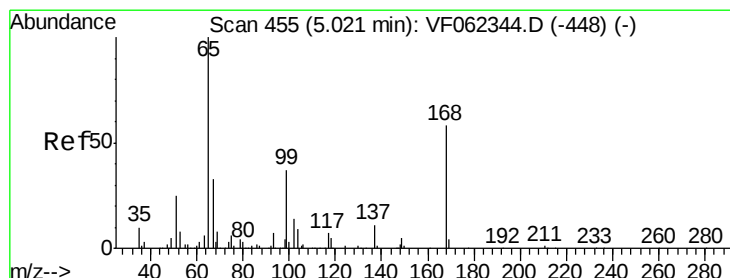
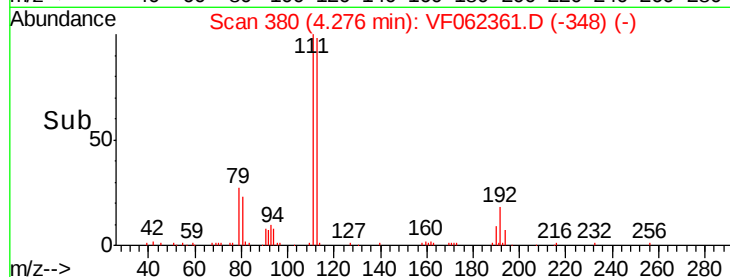
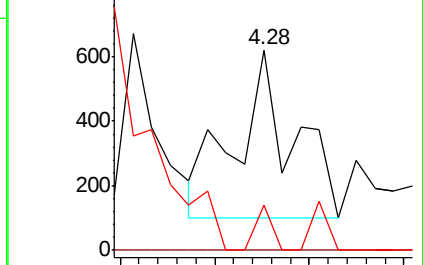
71 7.5 31.7 47.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 41.895 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF062361.D

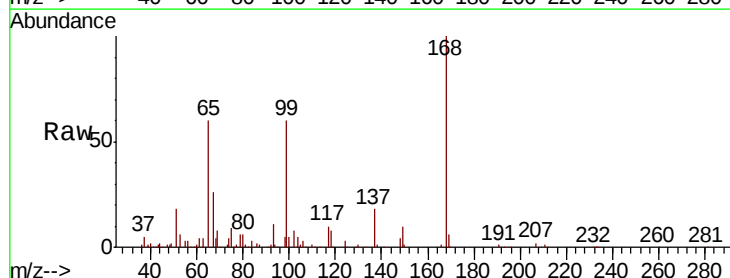
Acq: 7 May 2019 16:57

Tgt Ion: 65 Resp: 97894

Ion Ratio Lower Upper

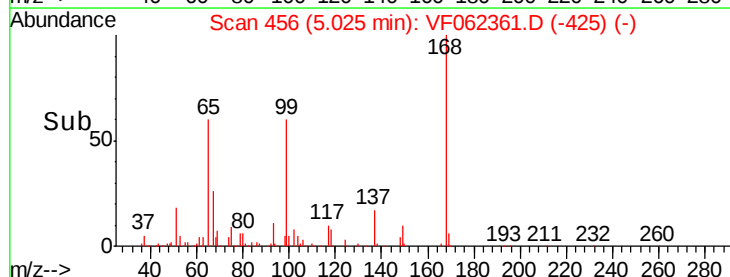
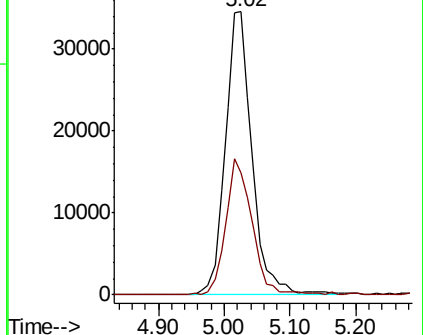
65 100

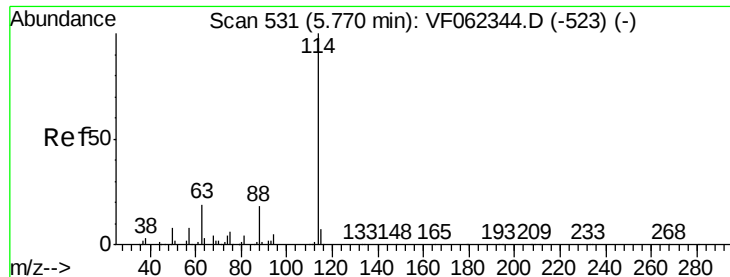
67 47.8 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

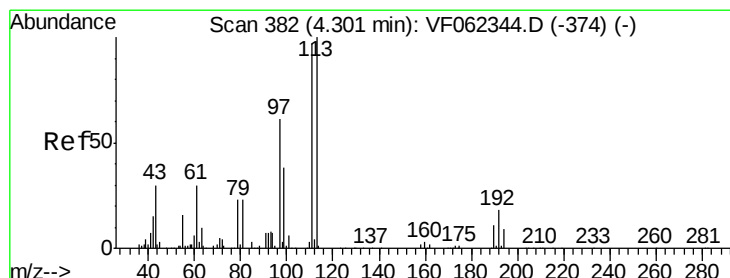
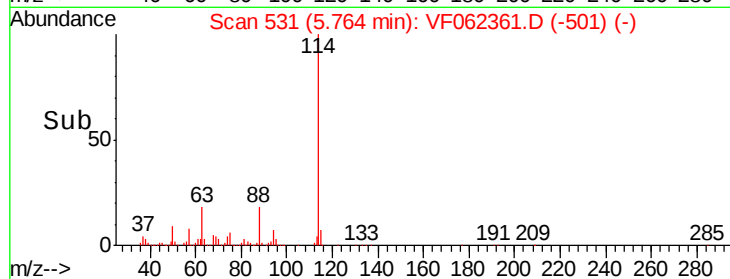
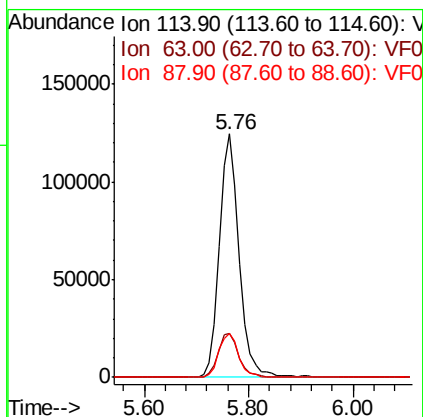
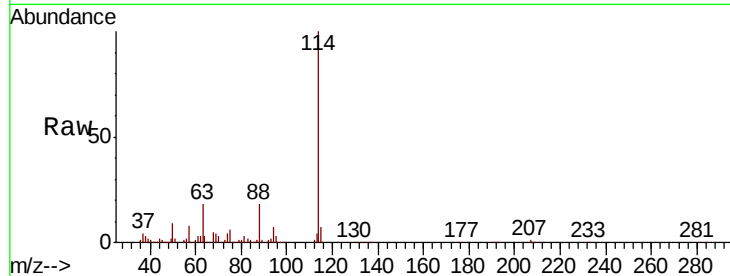




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.01 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

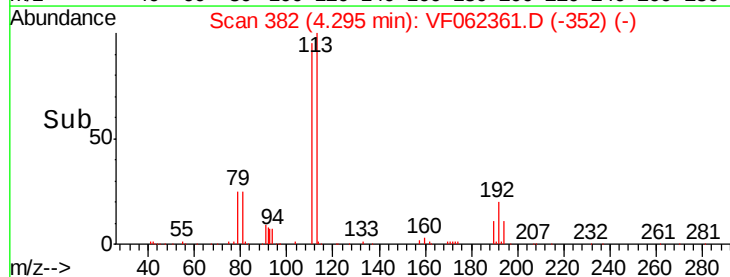
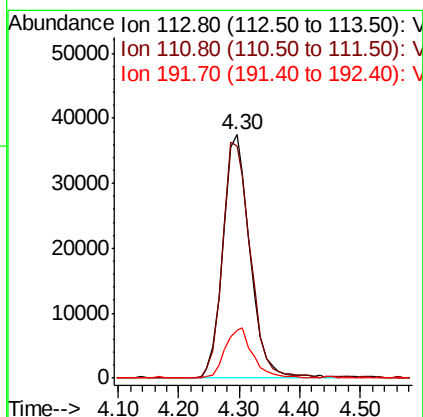
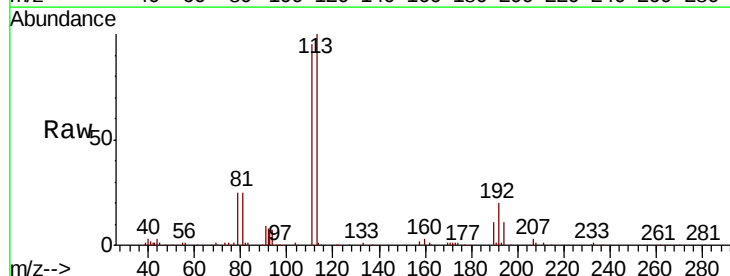
Instrument :
MSVOA_F
ClientSampleId :
SU-04-050219-A

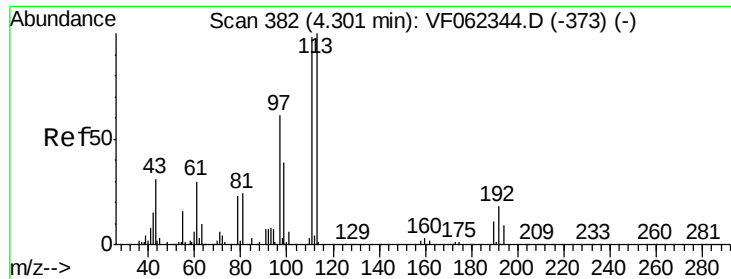
Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	37.4
88	17.9	0.0	36.4



#35
Dibromofluoromethane
Concen: 44.690 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.3	79.4	119.0
192	20.9	16.0	24.0





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

SU-04-050219-A

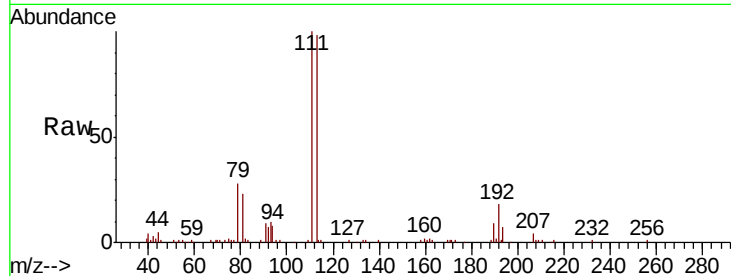
Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

43 100

61 110.1 0.0 0.0#

70 187.4 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0

800

600

400

200

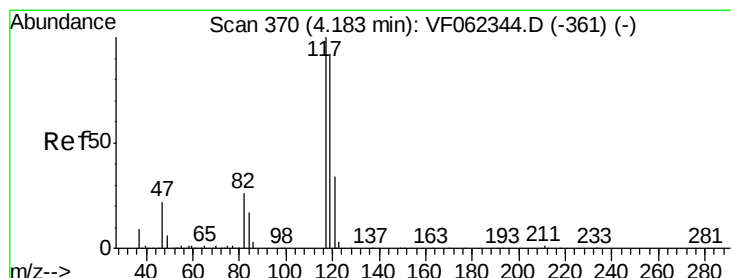
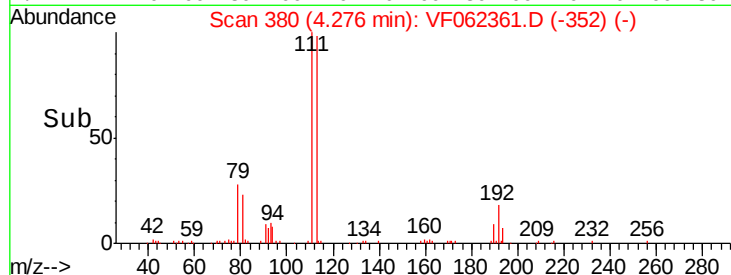
0

4.26

4.28

4.30

Time-->



#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.22 min Scan# 374

Delta R.T. 0.03 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

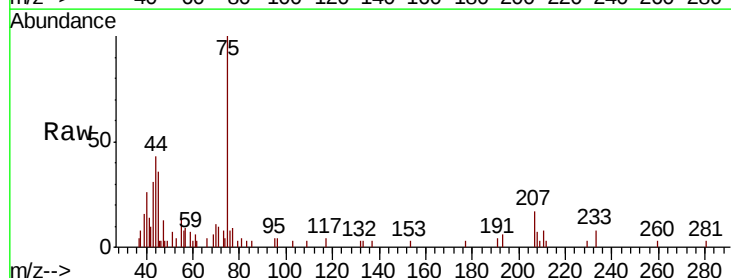
Tgt Ion: 117 Resp: 161

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

121 0.0 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

300

250

200

150

100

50

0

4.18

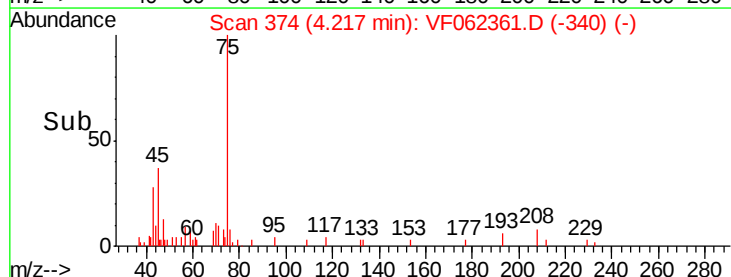
4.20

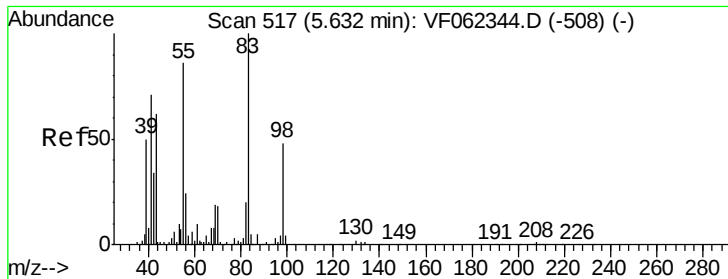
4.22

4.24

4.26

Time-->





#39

Methylcyclohexane

Concen: 5.550 ug/l

RT: 5.64 min Scan# 518

Delta R.T. 0.00 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

SU-04-050219-A

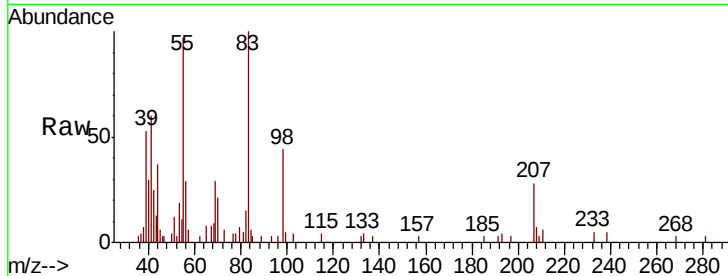
Tgt Ion: 83 Resp: 15617

Ion Ratio Lower Upper

83 100

55 93.3 69.0 103.6

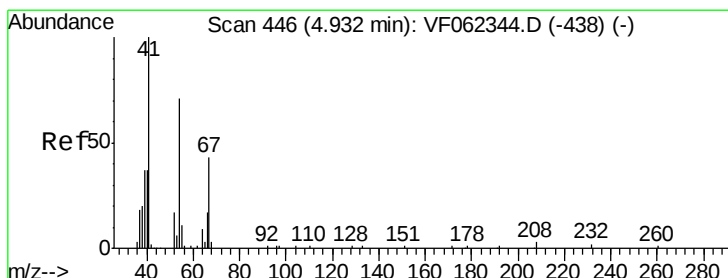
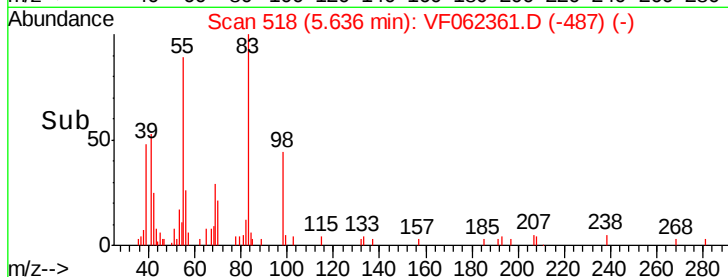
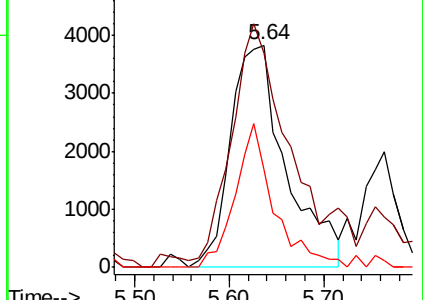
98 44.1 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#41

Methacrylonitrile

Concen: 1.995 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Tgt Ion: 41 Resp: 1342

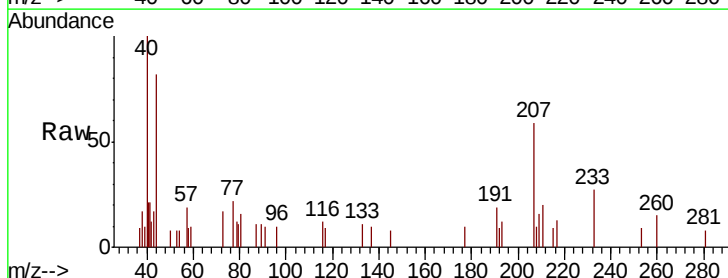
Ion Ratio Lower Upper

41 100

39 31.6 54.3 81.5#

67 0.0 37.8 56.8#

52 0.0 58.2 87.4#

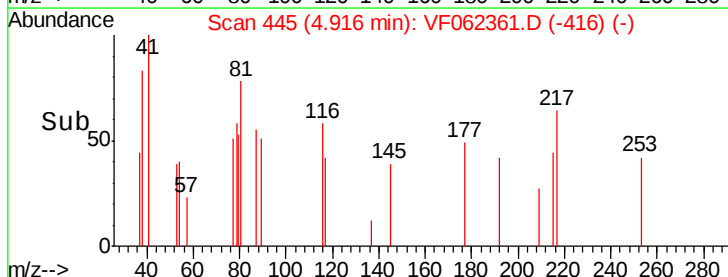
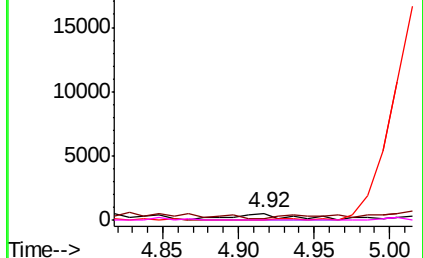


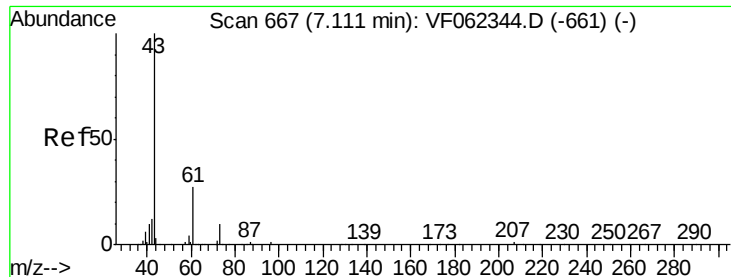
Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 5.897 ug/l

RT: 7.16 min Scan# 673

Delta R.T. 0.05 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

SU-04-050219-A

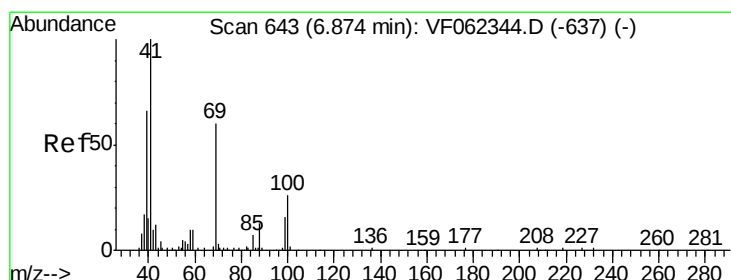
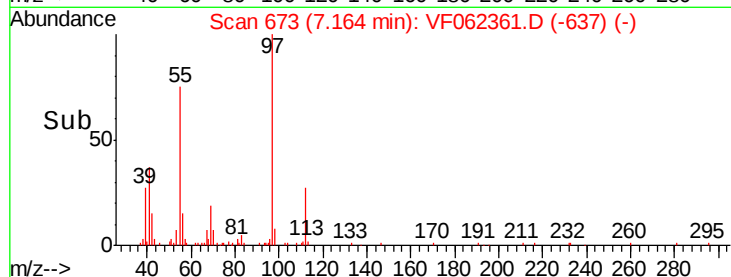
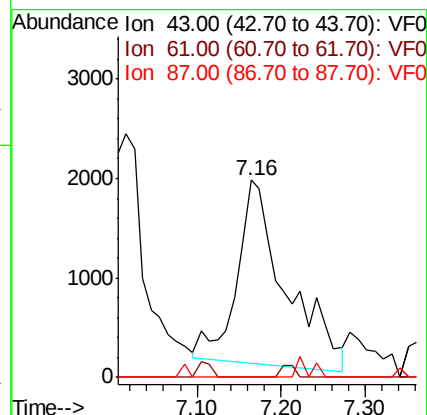
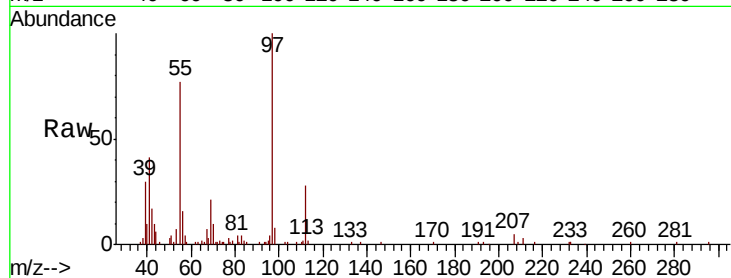
Tgt Ion: 43 Resp: 7526

Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 0.6 1.0#



#48

Methyl methacrylate

Concen: 2.352 ug/l

RT: 6.82 min Scan# 638

Delta R.T. -0.06 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

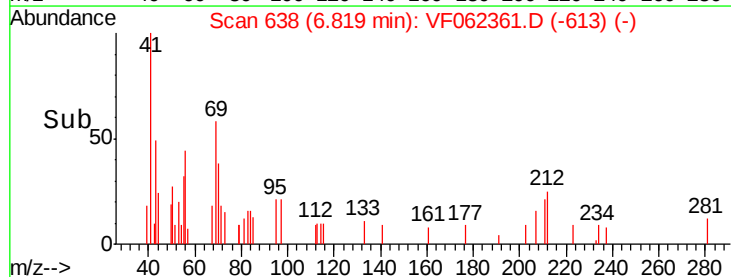
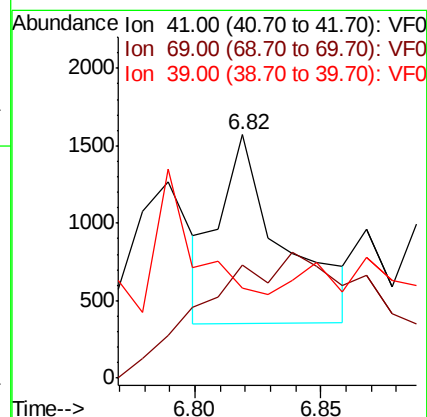
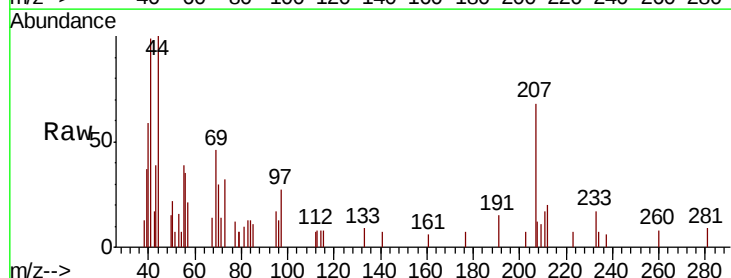
Tgt Ion: 41 Resp: 2121

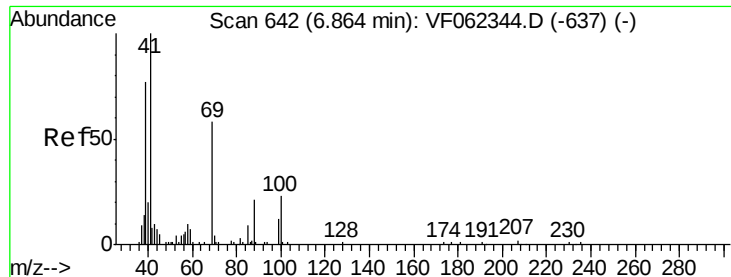
Ion Ratio Lower Upper

41 100

69 216.7 48.6 72.8#

39 0.0 56.1 84.1#





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.80 min Scan# 636

Delta R.T. -0.06 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

SU-04-050219-A

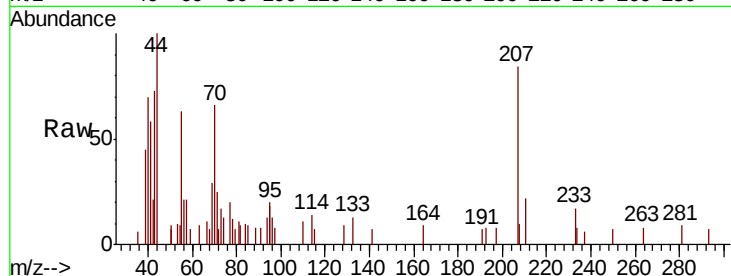
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 3581.0 55.6 83.4#

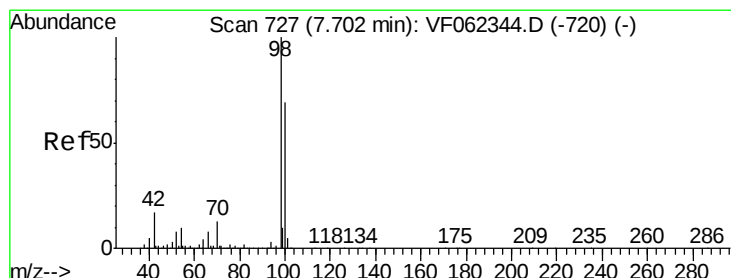
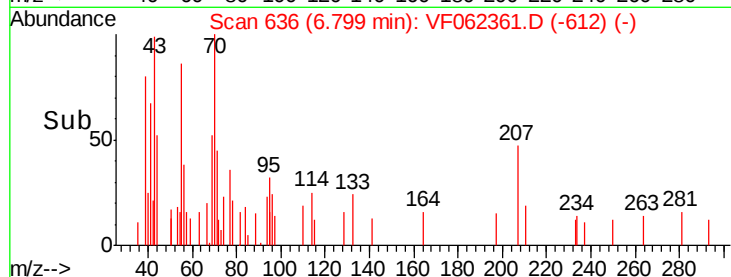
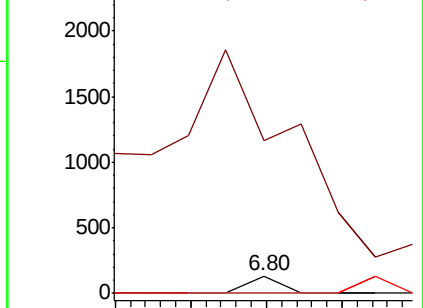
58 0.0 52.8 79.2#



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: 34.781 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF062361.D

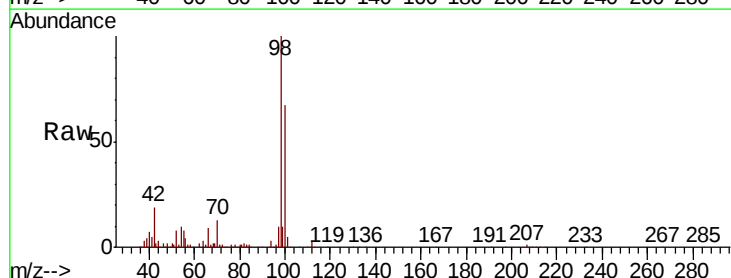
Acq: 7 May 2019 16:57

Tgt Ion: 98 Resp: 219085

Ion Ratio Lower Upper

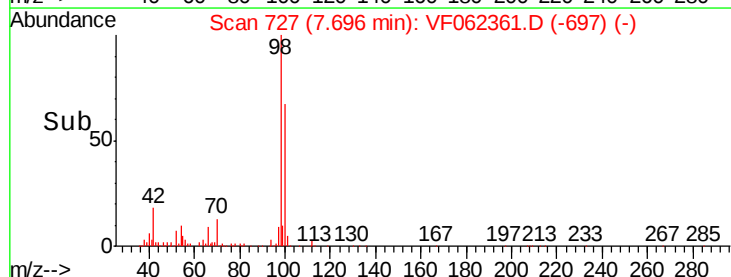
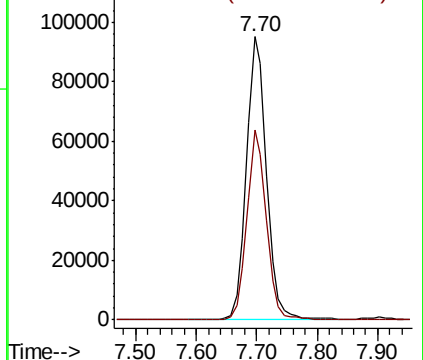
98 100

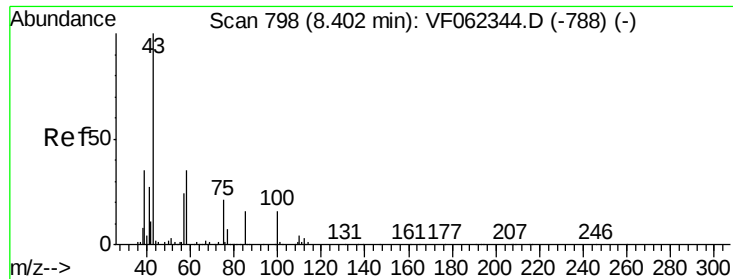
100 65.0 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

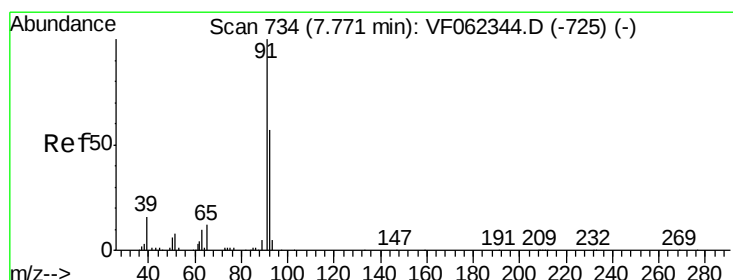
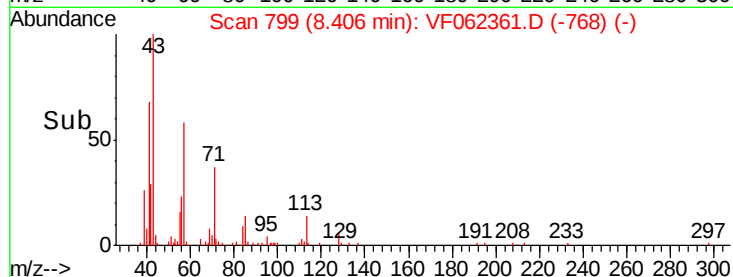
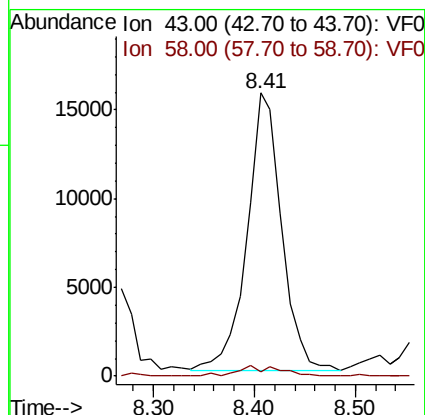
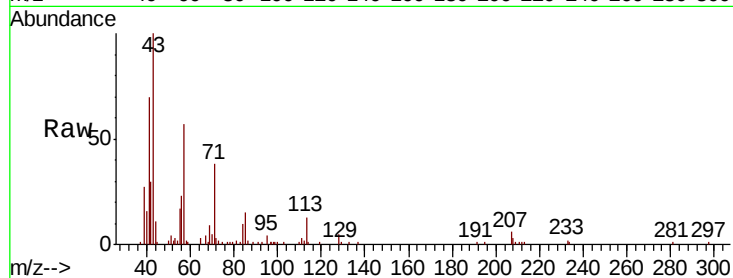




#51
 4-Methyl-2-Pentanone
 Concen: 38.534 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VF062361.D
 Acq: 7 May 2019 16:57

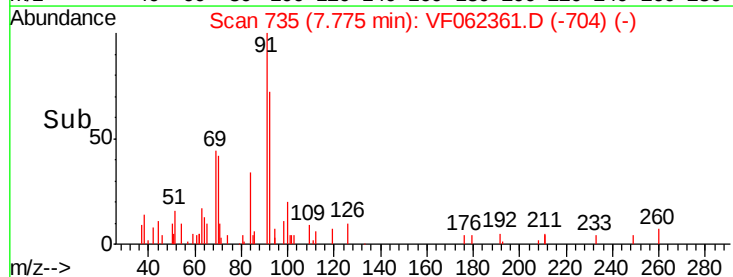
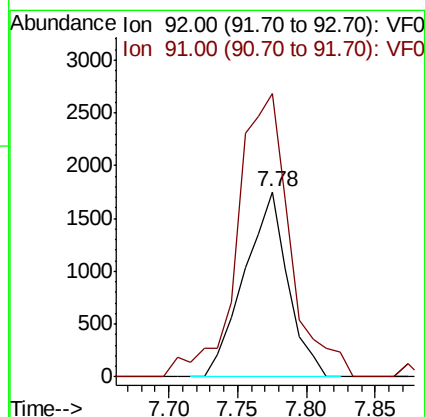
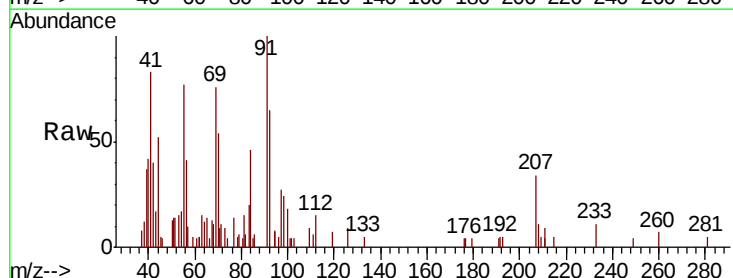
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-04-050219-A

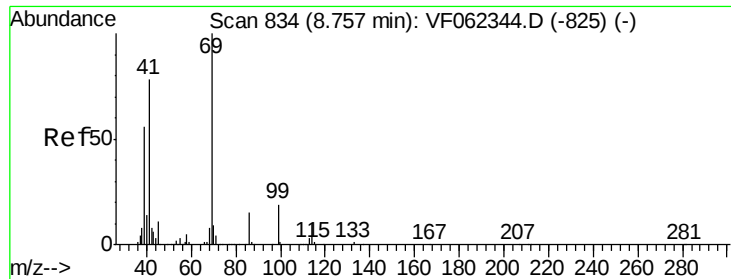
Tgt Ion: 43 Resp: 37265
 Ion Ratio Lower Upper
 43 100
 58 4.5 27.8 41.6#



#52
 Toluene
 Concen: 1.010 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF062361.D
 Acq: 7 May 2019 16:57

Tgt Ion: 92 Resp: 3848
 Ion Ratio Lower Upper
 92 100
 91 186.0 138.7 208.1

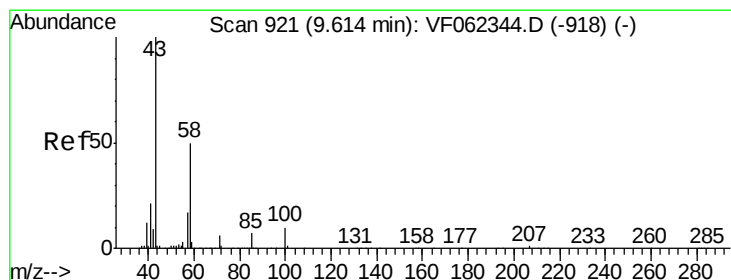
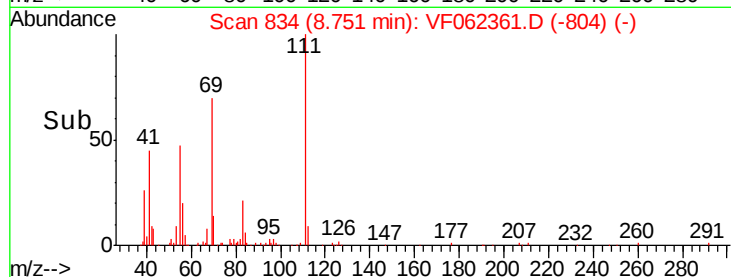
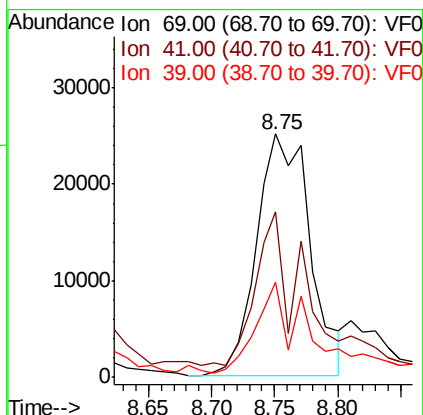
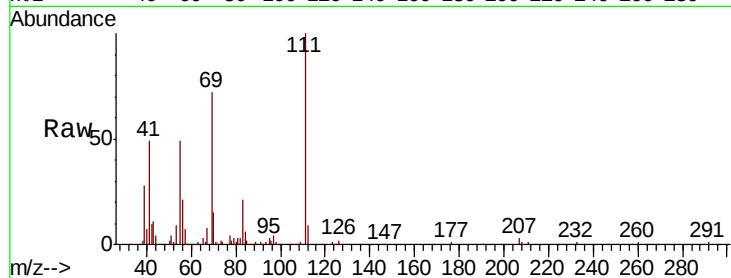




#56
Ethyl methacrylate
Concen: 57.929 ug/l
RT: 8.75 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

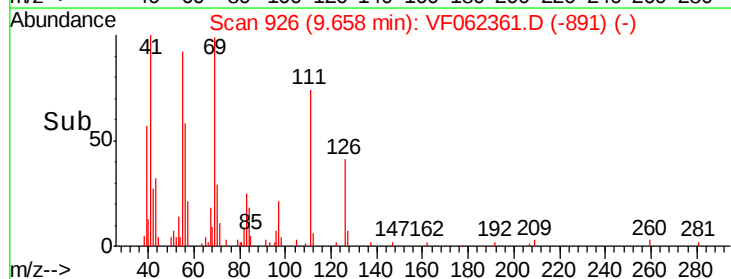
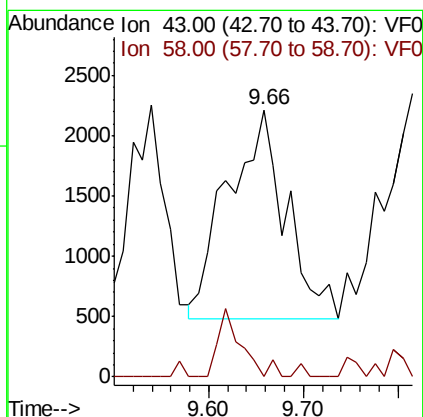
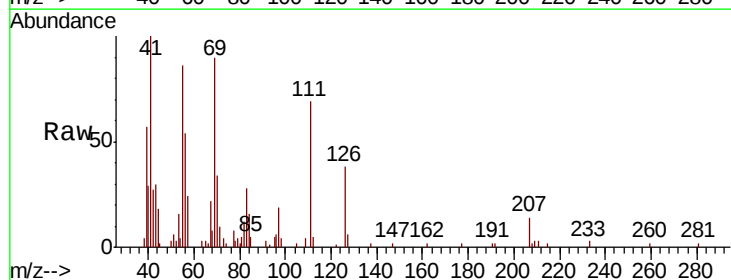
Instrument :
MSVOA_F
ClientSampleId :
SU-04-050219-A

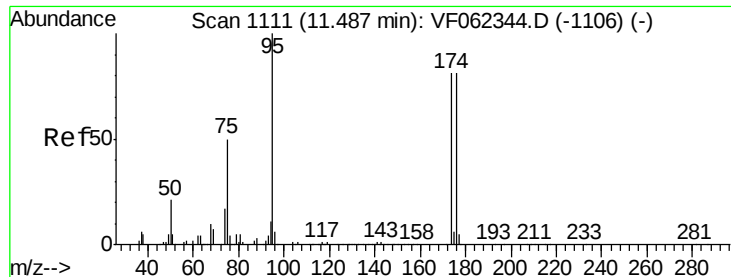
Tgt Ion: 69 Resp: 73993
Ion Ratio Lower Upper
69 100
41 60.5 66.3 99.5#
39 38.4 50.1 75.1#



#59
2-Hexanone
Concen: 10.983 ug/l
RT: 9.66 min Scan# 926
Delta R.T. 0.04 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

Tgt Ion: 43 Resp: 7346
Ion Ratio Lower Upper
43 100
58 0.0 24.3 73.0#





#62

4-Bromofluorobenzene

Concen: 39.720 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

SU-04-050219-A

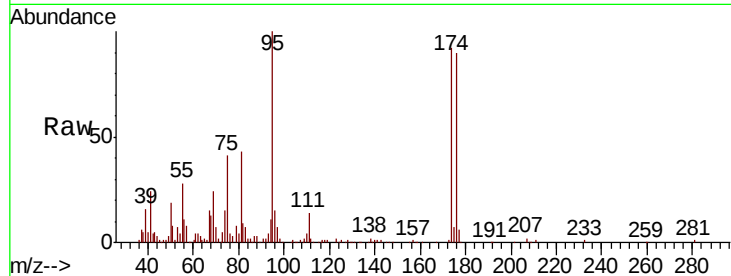
Tgt Ion: 95 Resp: 112880

Ion Ratio Lower Upper

95 100

174 78.2 0.0 191.8

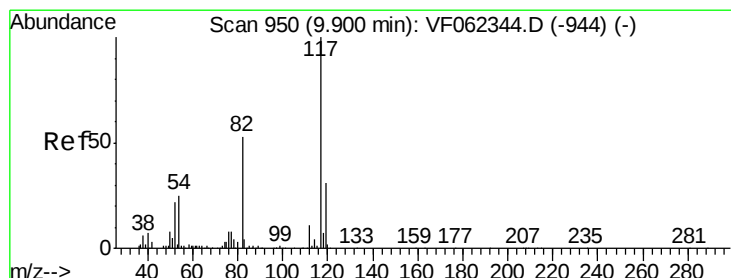
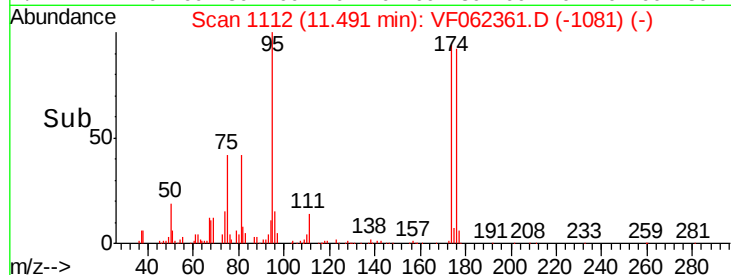
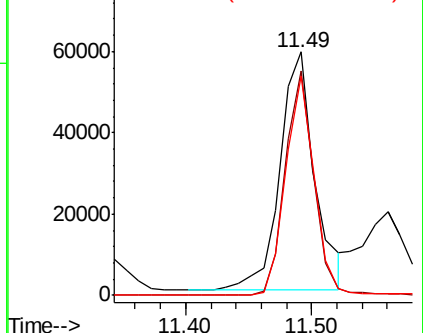
176 77.4 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): VF0

Ion 175.80 (175.50 to 176.50): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

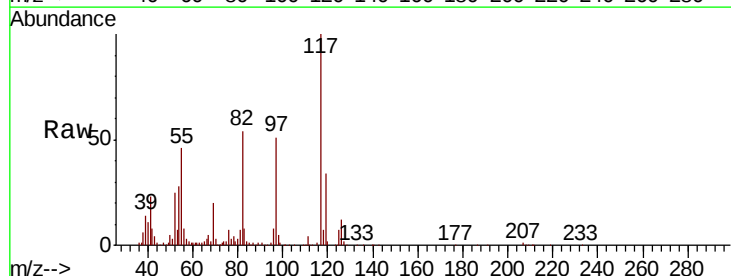
Tgt Ion: 117 Resp: 225640

Ion Ratio Lower Upper

117 100

82 53.5 42.2 63.2

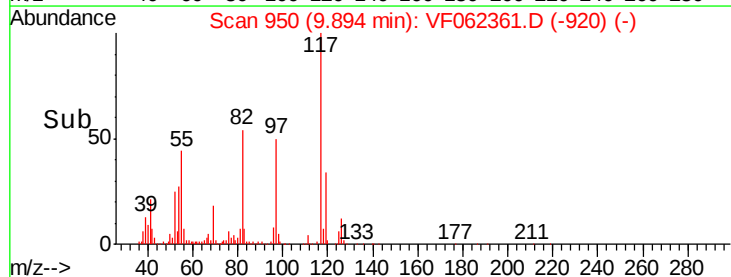
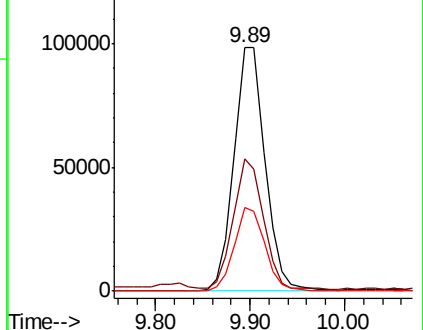
119 34.1 25.0 37.4

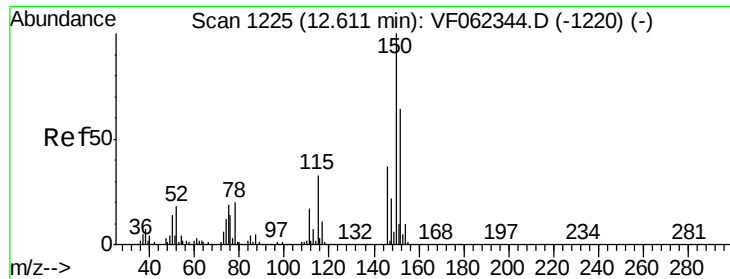


Abundance Ion 116.90 (116.60 to 117.60): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): VF0



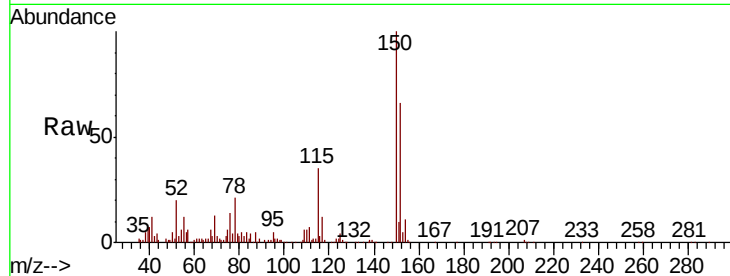


#72

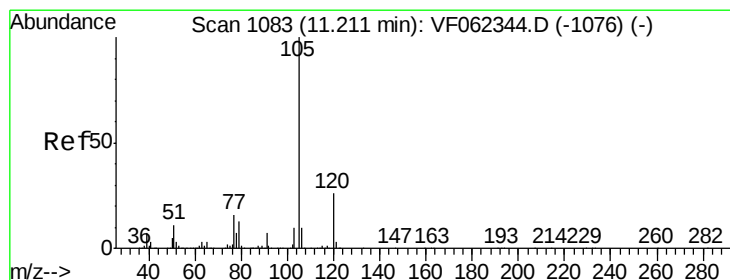
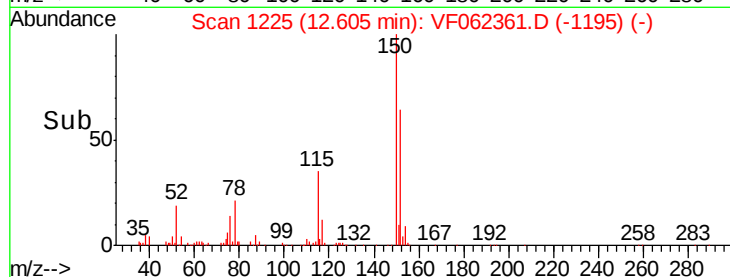
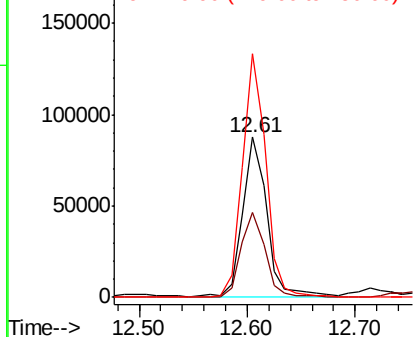
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

Instrument :
MSVOA_F
ClientSampleId :
SU-04-050219-A

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	26.4	79.2
150	148.7	0.0	335.0



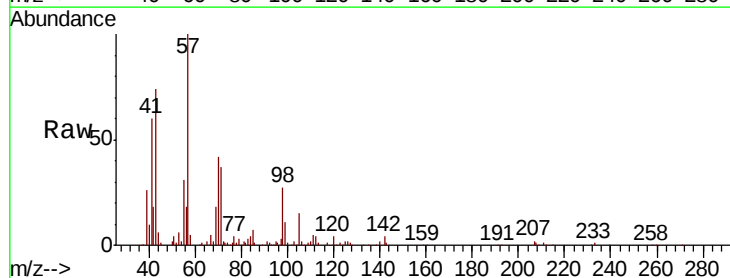
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



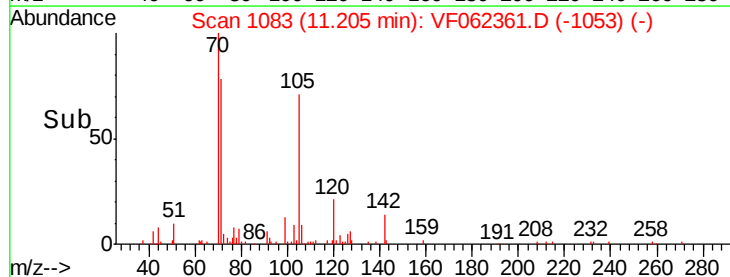
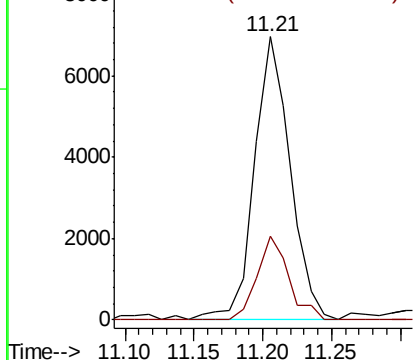
#73

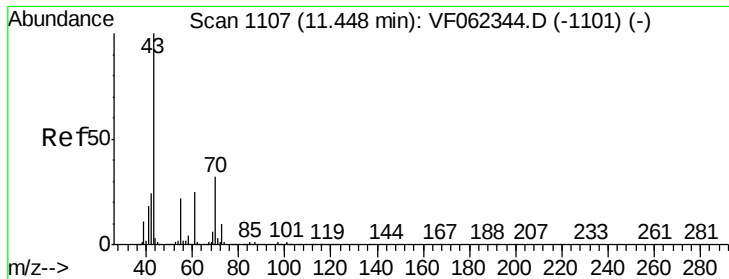
Isopropylbenzene
Concen: 1.581 ug/l
RT: 11.21 min Scan# 1083
Delta R.T. -0.01 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.7	38.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 7.010 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

SU-04-050219-A

Tgt Ion: 43 Resp: 12023

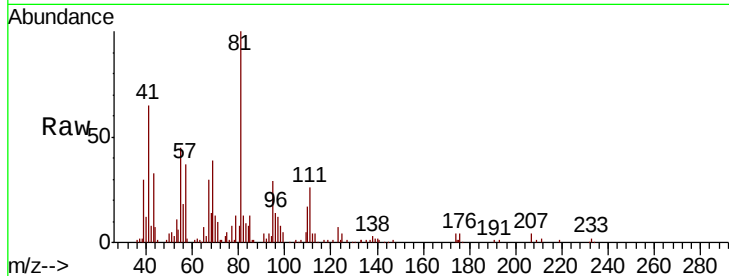
Ion Ratio Lower Upper

43 100

70 0.0 26.5 39.7#

55 39.5 17.8 26.6#

61 0.0 20.2 30.2#

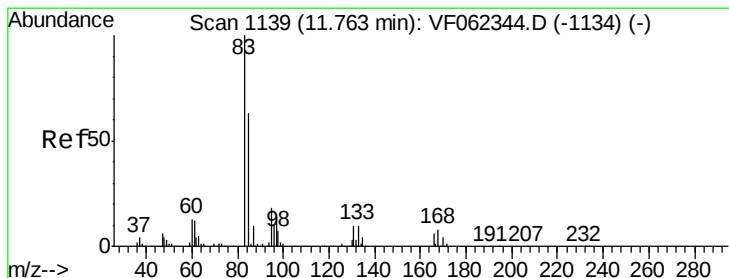
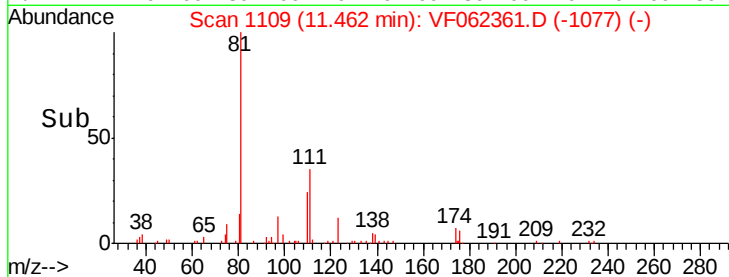
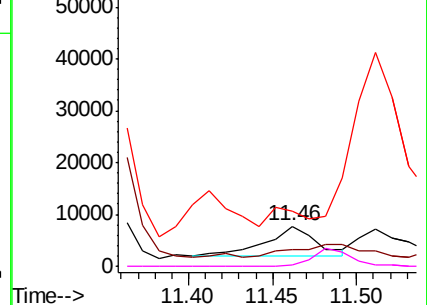


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 21.295 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. -0.03 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

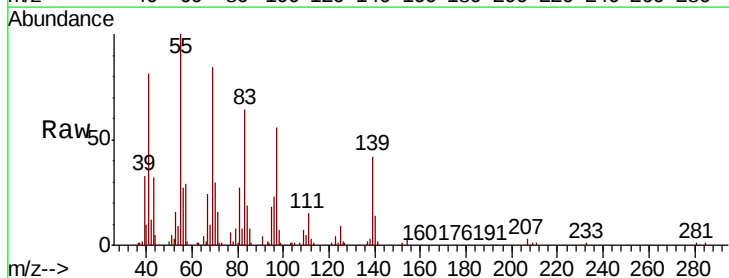
Tgt Ion: 83 Resp: 26636

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

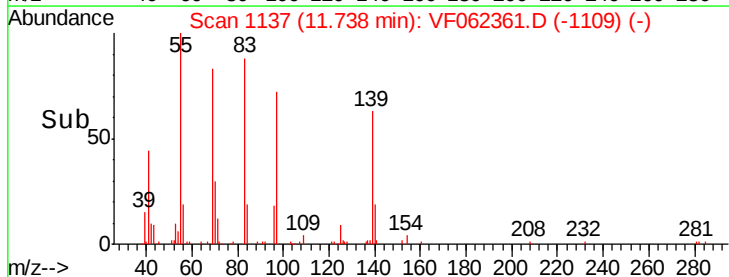
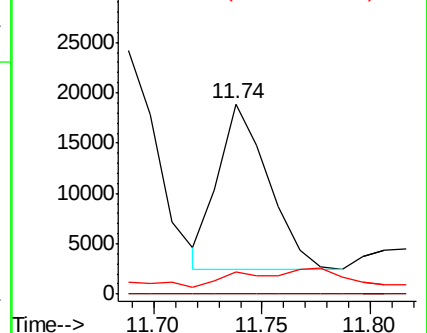
85 0.0 35.3 105.7#

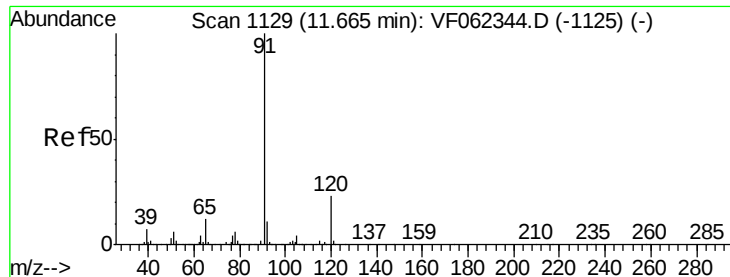


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0





#78

n-propylbenzene

Concen: 1.610 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

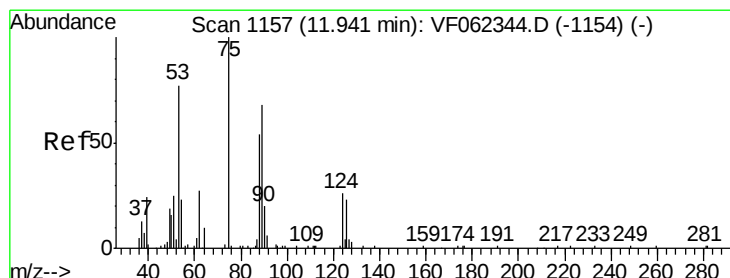
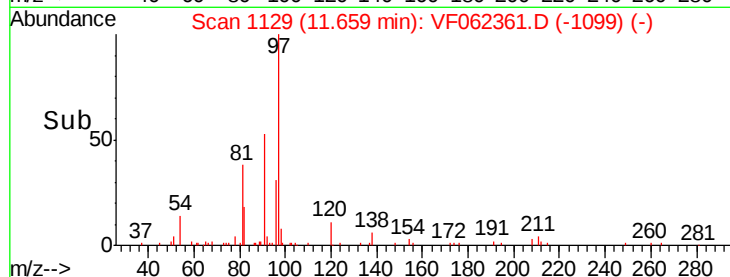
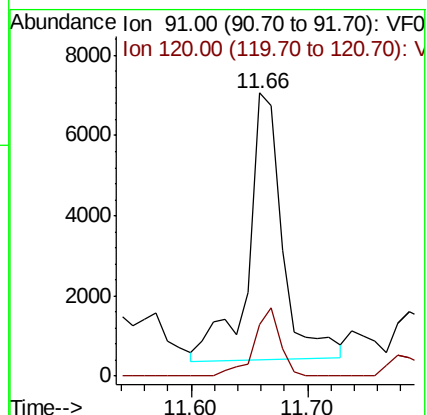
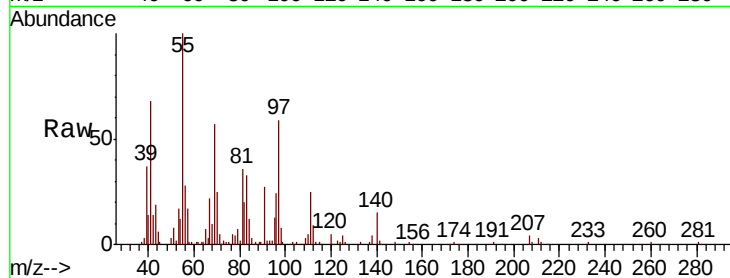
SU-04-050219-A

Tgt Ion: 91 Resp: 13695

Ion Ratio Lower Upper

91 100

120 19.3 11.9 35.5



#81

trans-1,4-Dichloro-2-butene

Concen: 2.124 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

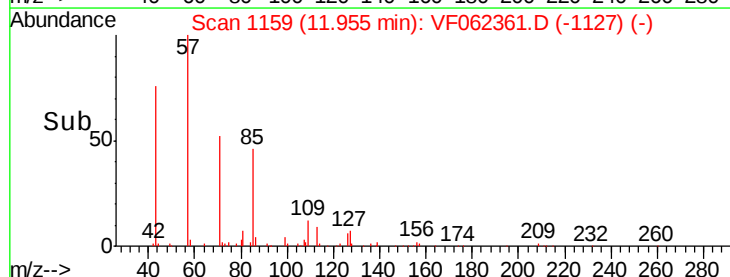
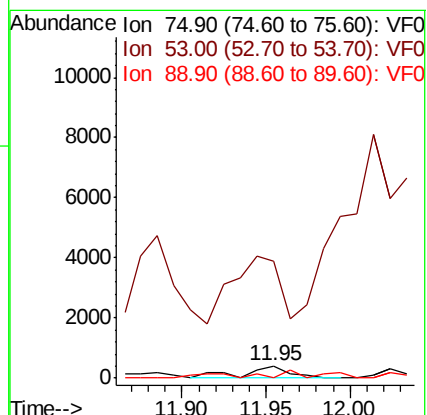
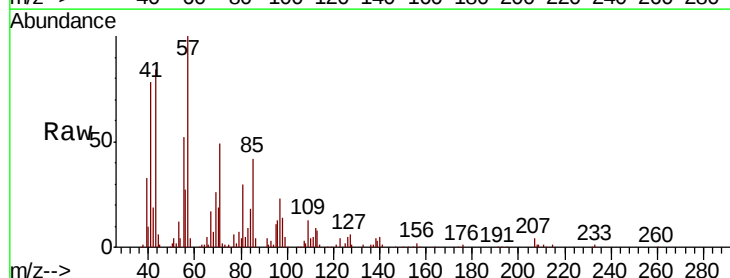
Tgt Ion: 75 Resp: 762

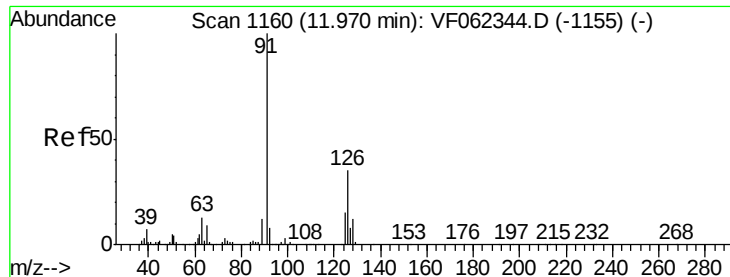
Ion Ratio Lower Upper

75 100

53 573.2 71.9 107.9#

89 32.7 0.0 0.0#

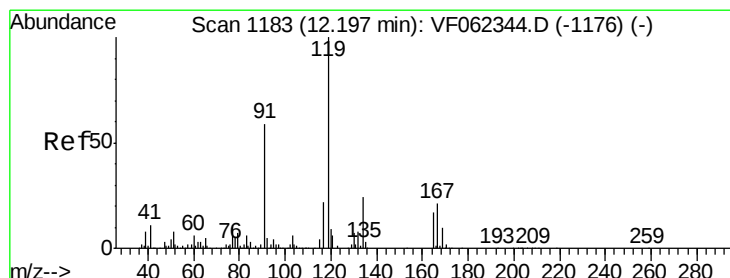
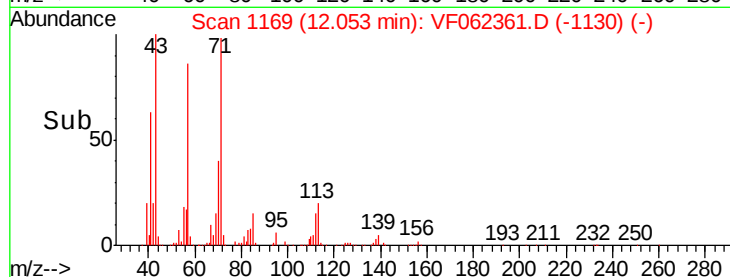
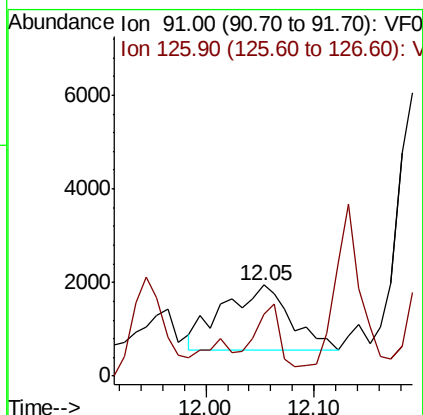
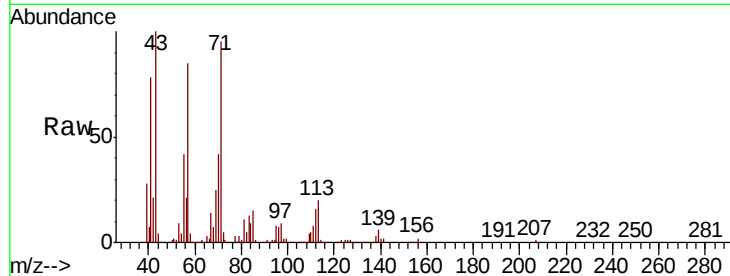




#82
4-Chlorotoluene
Concen: 1.153 ug/l
RT: 12.05 min Scan# 1169
Delta R.T. 0.08 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

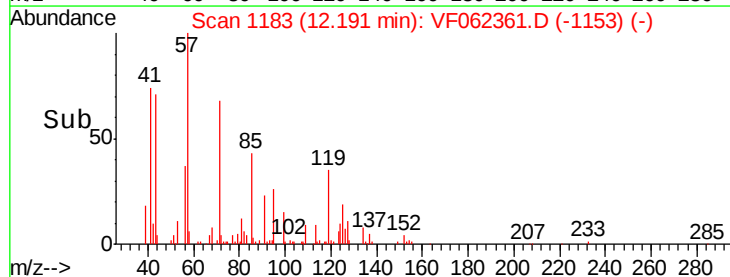
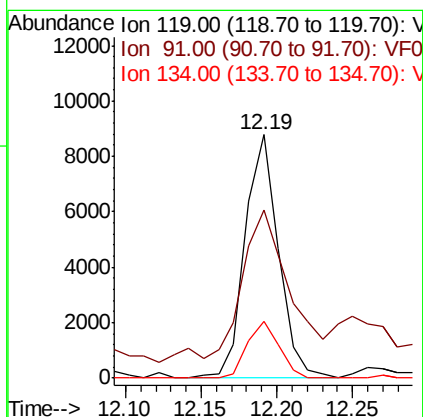
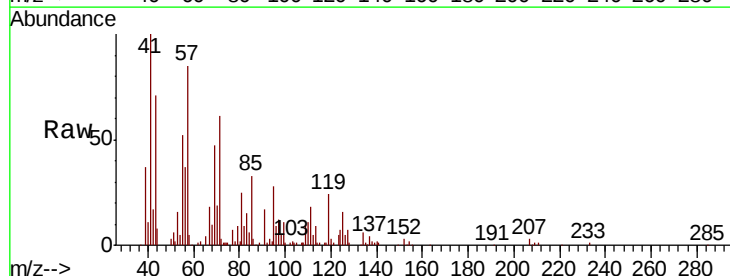
Instrument :
MSVOA_F
ClientSampleId :
SU-04-050219-A

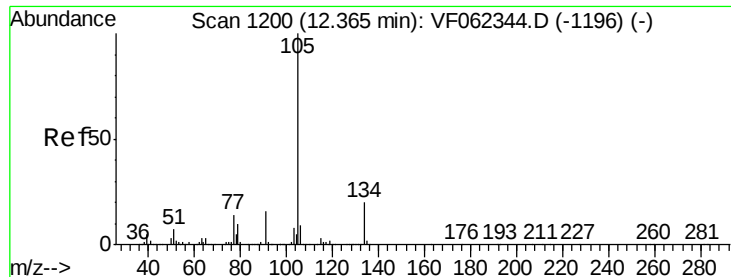
Tgt Ion: 91 Resp: 6024
Ion Ratio Lower Upper
91 100
126 34.3 17.7 53.1



#83
tert-Butylbenzene
Concen: 1.840 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF062361.D
Acq: 7 May 2019 16:57

Tgt Ion: 119 Resp: 13541
Ion Ratio Lower Upper
119 100
91 91.6 30.4 91.3#
134 22.1 11.9 35.7





#85

sec-Butylbenzene

Concen: 10.572 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

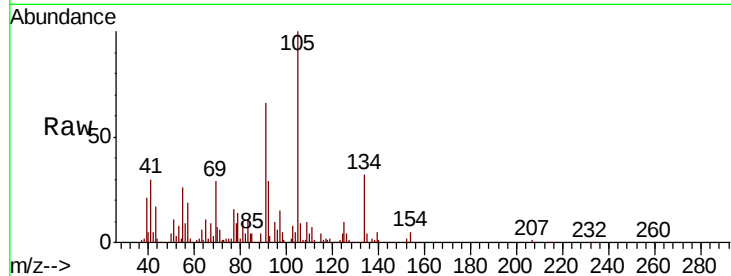
SU-04-050219-A

Tgt Ion: 105 Resp: 94689

Ion Ratio Lower Upper

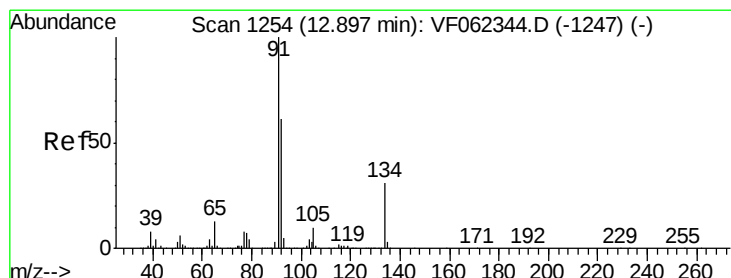
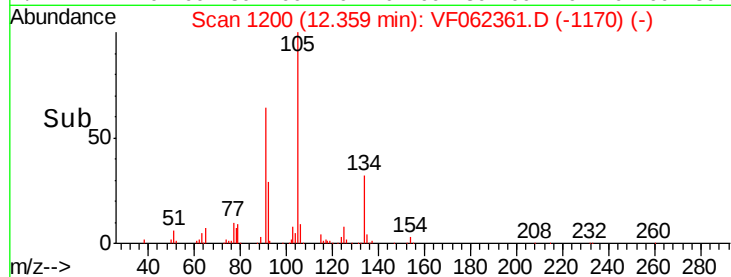
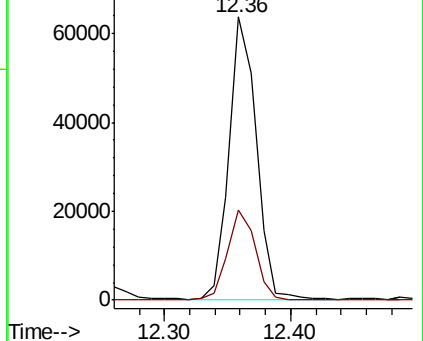
105 100

134 32.6 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 8.745 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

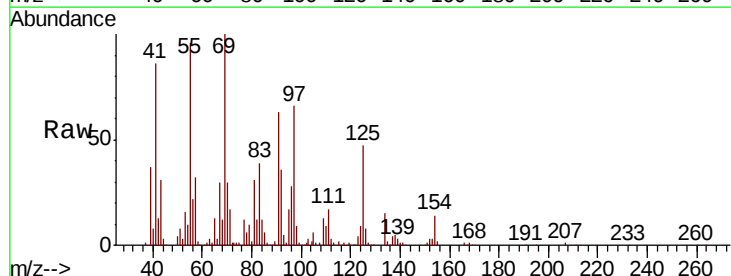
Tgt Ion: 91 Resp: 64748

Ion Ratio Lower Upper

91 100

92 56.3 30.0 90.0

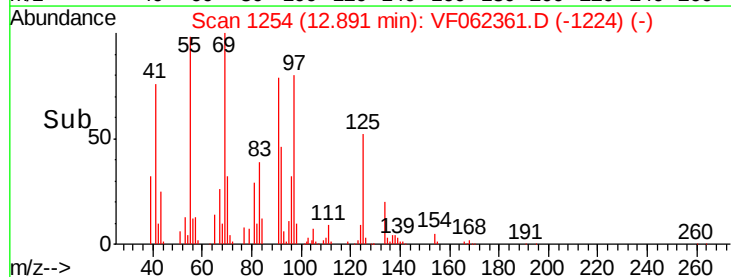
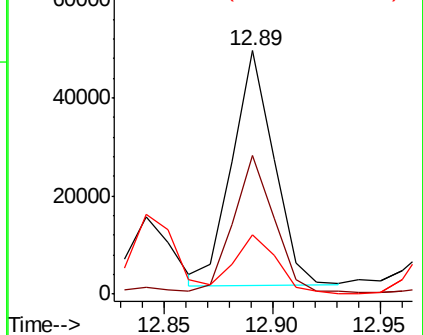
134 25.9 14.1 42.4

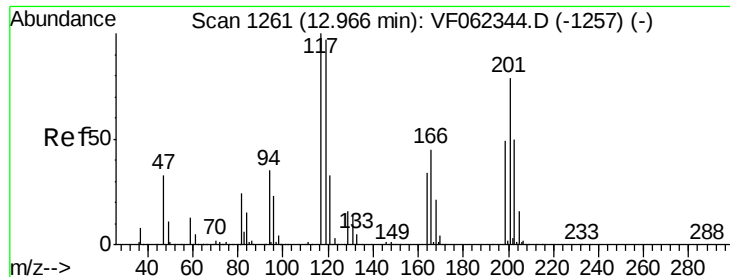


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 3.190 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

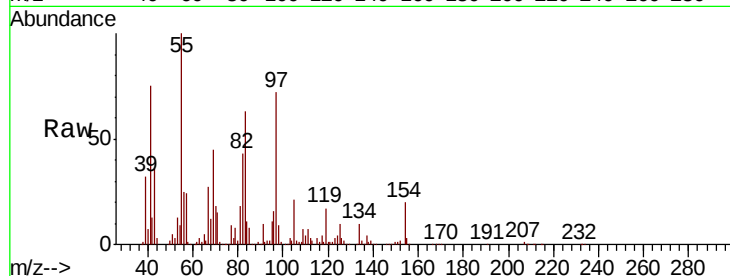
SU-04-050219-A

Tgt Ion:117 Resp: 6629

Ion Ratio Lower Upper

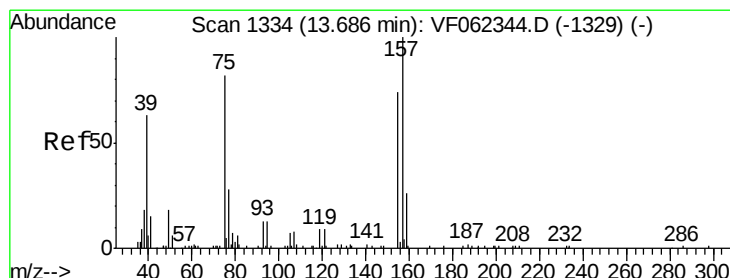
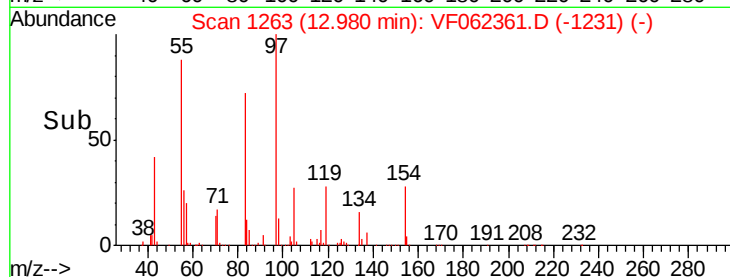
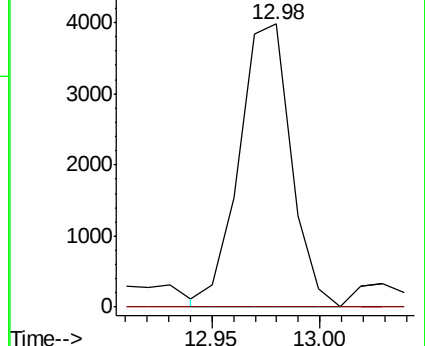
117 100

201 0.0 46.2 138.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.845 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

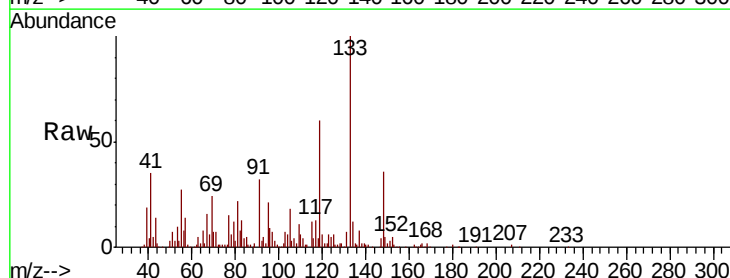
Tgt Ion: 75 Resp: 1638

Ion Ratio Lower Upper

75 100

155 0.0 51.8 155.4#

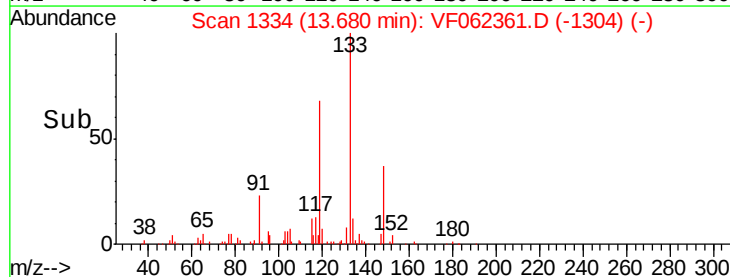
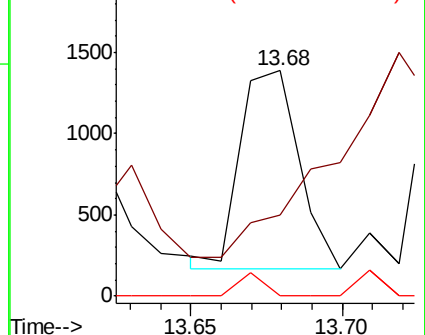
157 5.1 67.3 201.8#

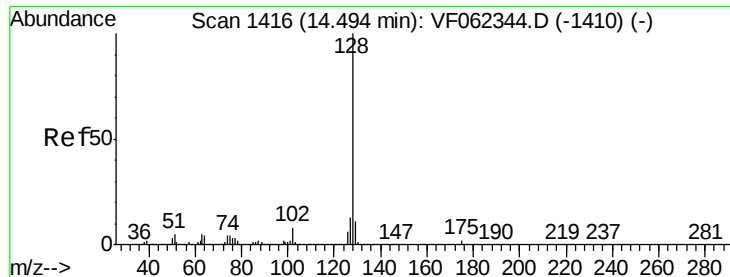


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 11.856 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

SU-04-050219-A

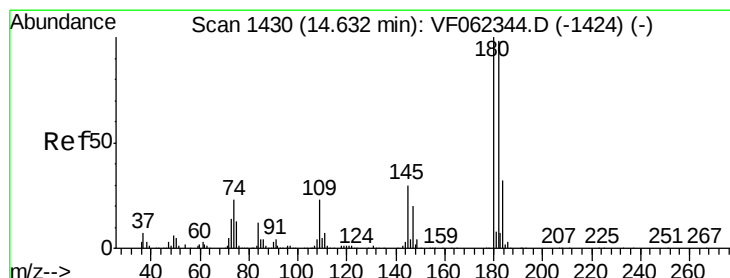
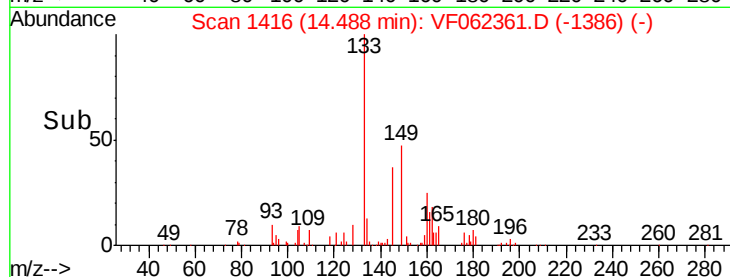
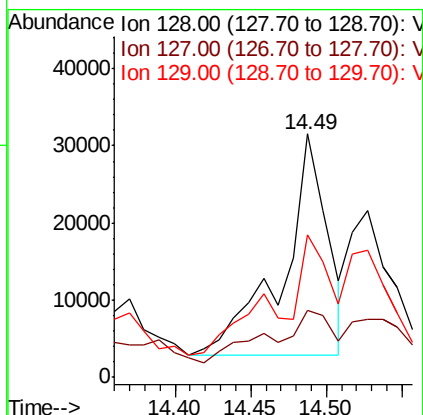
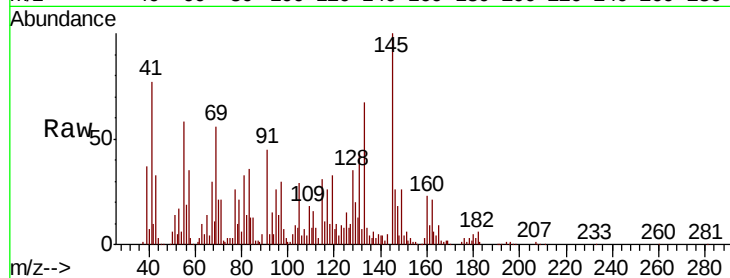
Tgt Ion:128 Resp: 59255

Ion Ratio Lower Upper

128 100

127 32.3 10.5 15.7#

129 63.9 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 1.918 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062361.D

Acq: 7 May 2019 16:57

Tgt Ion:180 Resp: 6178

Ion Ratio Lower Upper

180 100

182 46.7 49.4 148.0#

145 0.0 14.8 44.3#

