

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060019.D
 Acq On : 20 Aug 2018 23:06
 Operator : VA/AP
 Sample : J4510-01
 Misc : 7.28g/5mL/MSVOA F/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-WC4-UST-0818

Quant Time: Aug 21 04:30:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	74684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	136449	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.98	117	19343	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.66	152	9759	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	93641	64.96	ug/l	0.02
Spiked Amount			Recovery	=	129.92%	
35) Dibromofluoromethane	4.30	113	69831	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	7.78	98	172387	55.59	ug/l	0.07
Spiked Amount			Recovery	=	111.18%	
62) 4-Bromofluorobenzene	11.58	95	184063	96.72	ug/l	0.06
Spiked Amount			Recovery	=	193.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.67	59	1815	21.60	ug/l #	14
13) Acrolein	2.09	56	83	14.40	ug/l #	50
16) Acetone	2.34	43	13741	24.38	ug/l	98
18) Methyl Acetate	2.47	43	4037	2.65	ug/l #	63
20) Methylene Chloride	2.28	84	5648	3.27	ug/l #	64
25) 2-Butanone	4.54	43	7442	21.35	ug/l #	63
29) Tetrahydrofuran	4.34	42	689	5.54	ug/l #	65
30) Chloroform	4.06	83	2322	1.20	ug/l #	1
31) Cyclohexane	3.92	56	3979	5.20	ug/l #	55
37) Ethyl Acetate	4.22	43	11349	13.21	ug/l #	1
39) Methylcyclohexane	5.66	83	104814	89.90	ug/l	97
41) Methacrylonitrile	4.89	41	37634	91.50	ug/l #	51
43) Isopropyl Acetate	7.05	43	277372	293.36	ug/l #	58
48) Methyl methacrylate	6.85	41	734455	1043.65	ug/l #	54
49) 1,4-Dioxane	7.00	88	60	66.54	ug/l #	1
51) 4-Methyl-2-Pentanone	8.33	43	671528	760.33	ug/l #	47
52) Toluene	7.82	92	270257	137.27	ug/l	89
55) 1,1,2-Trichloroethane	8.57	97	299792	379.55	ug/l #	15
56) Ethyl methacrylate	8.68	69	905647	989.67	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.80	63	91837	1196.60	ug/l	100
64) Tetrachloroethene	8.43	164	78509	532.67	ug/l #	85
65) Chlorobenzene	9.99	112	20894	54.73	ug/l #	44
67) Ethyl Benzene	10.13	91	2962873	4274.52	ug/l	97
68) m/p-Xylenes	10.15	106	386142	1607.86	ug/l #	48
70) Styrene	11.02	104	435188	1103.32	ug/l #	1
73) Isopropylbenzene	11.34	105	4812537	8225.99	ug/l	94
74) N-amyl acetate	11.43	43	16756546	100931.03	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	11.83	83	4310664	37525.83	ug/l #	32
76) 1,2,3-Trichloropropane	11.85	75	88803	872.84	ug/l #	1
77) Bromobenzene	11.65	156	8915	54.64	ug/l #	1
78) n-propylbenzene	11.81	91	7547641	10391.87	ug/l	92
79) 2-Chlorotoluene	11.81	91	7547641	17104.90	ug/l #	47
80) 1,3,5-Trimethylbenzene	11.95	105	20482918	38722.69	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	193731	4511.29	ug/l #	1

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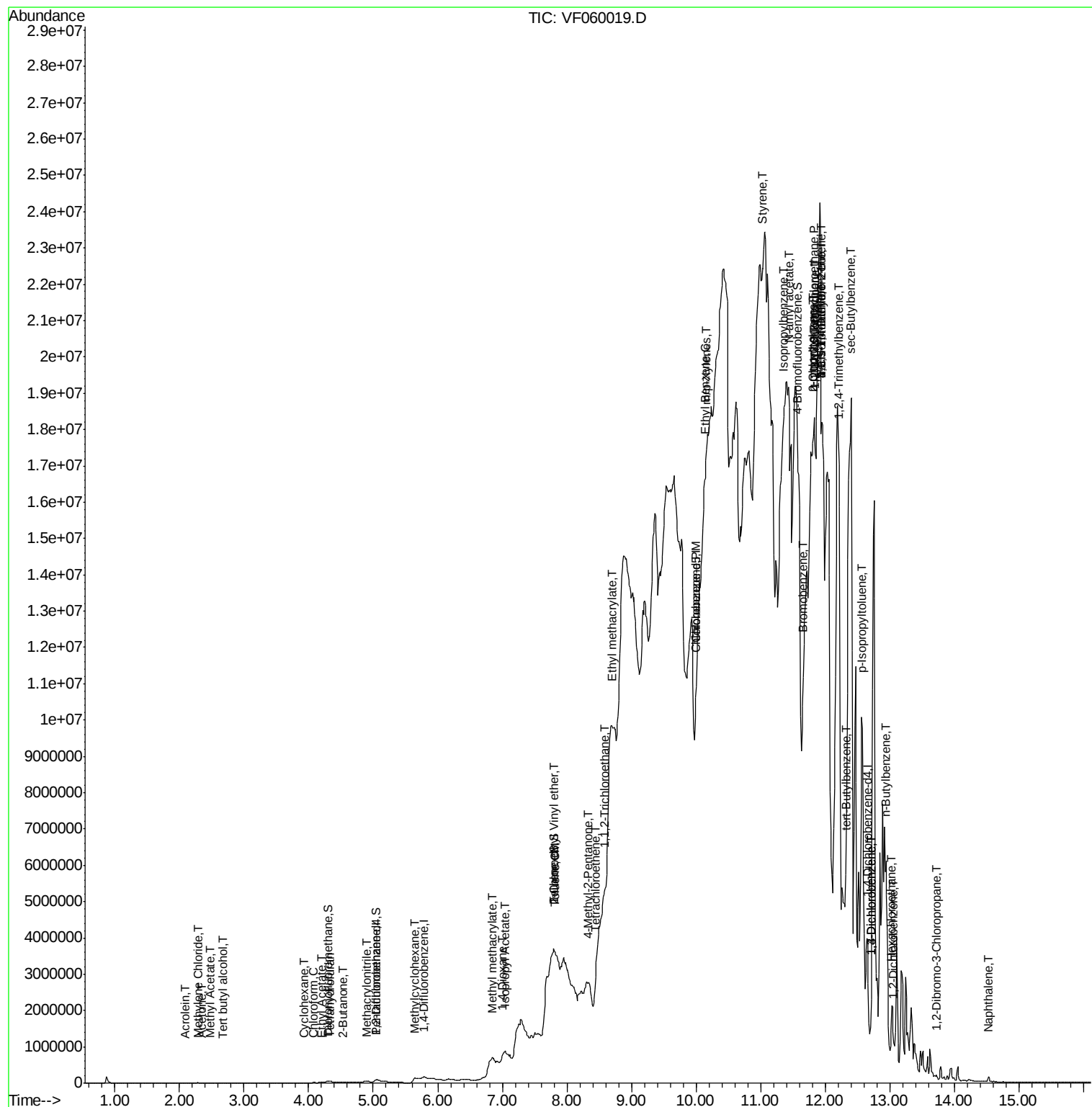
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.95	91	2207479	4571.49	ug/l #	49
83) tert-Butylbenzene	12.31	119	847624	1630.98	ug/l	85
84) 1,2,4-Trimethylbenzene	12.22	105	9664652	17351.71	ug/l	98
85) sec-Butylbenzene	12.40	105	16096477	23430.71	ug/l #	57
86) p-Isopropyltoluene	12.57	119	5236800	8618.92	ug/l	89
87) 1,3-Dichlorobenzene	12.70	146	3657	11.74	ug/l #	1
88) 1,4-Dichlorobenzene	12.70	146	3657	11.99	ug/l #	1
89) n-Butylbenzene	12.95	91	1660099	2827.60	ug/l #	88
90) Hexachloroethane	13.03	117	63634	464.94	ug/l #	15
91) 1,2-Dichlorobenzene	13.07	146	436	1.46	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.72	75	373	11.74	ug/l #	4
95) Naphthalene	14.53	128	97989	286.19	ug/l	98

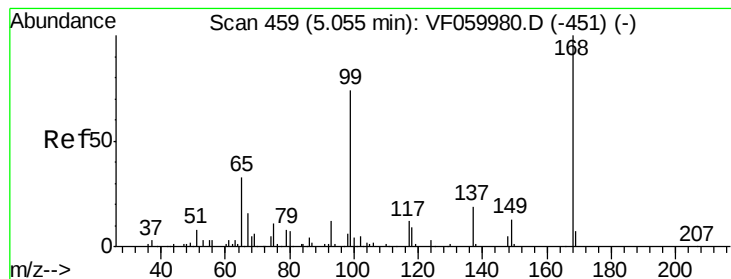
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

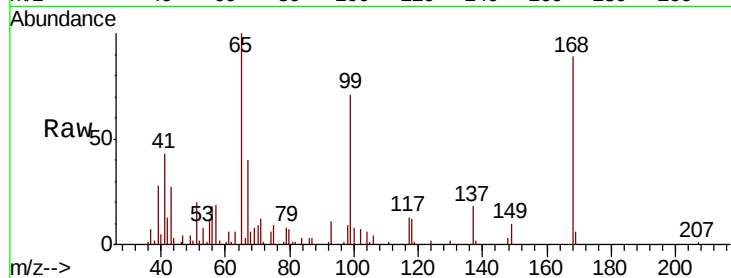
EP1-WC4-UST-0818

Tot Ion:168 Resp: 74684

Ion Ratio Lower Upper

168 100

99 80.1 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

12000

10000

8000

6000

4000

2000

0

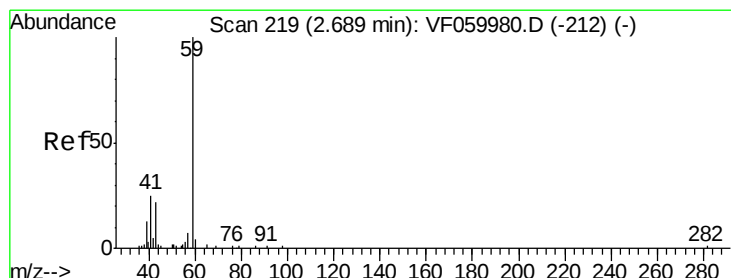
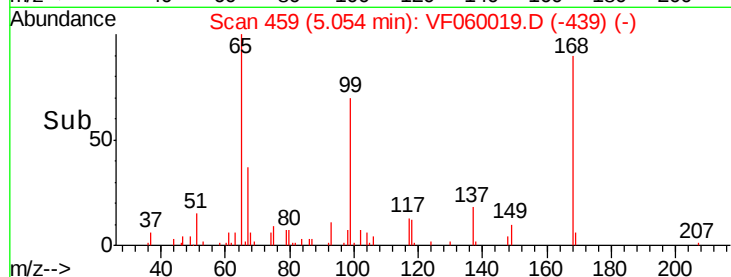
Time-->

4.90

5.00

5.10

5.20



#11

Tert butyl alcohol

Concen: 21.60 ug/l

RT: 2.67 min Scan# 217

Delta R.T. -0.02 min

Lab File: VF060019.D

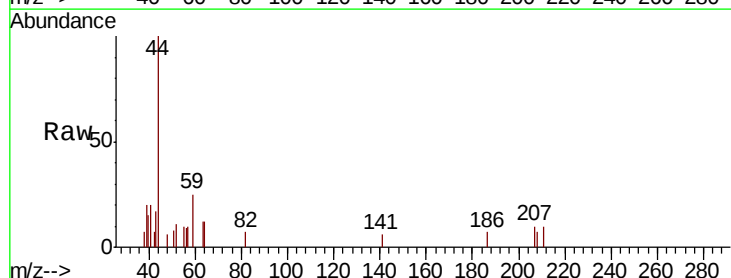
Acq: 20 Aug 2018 23:06

Tgt Ion: 59 Resp: 1815

Ion Ratio Lower Upper

59 100

57 39.3 6.8 10.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.67

500

400

300

200

100

0

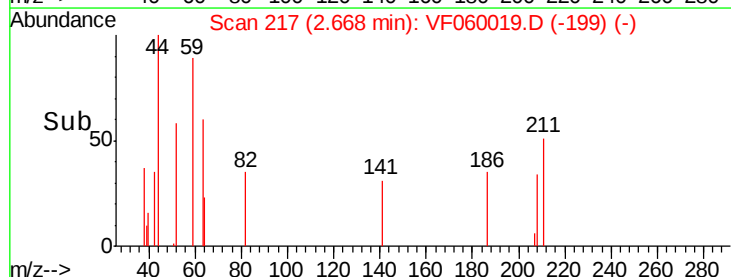
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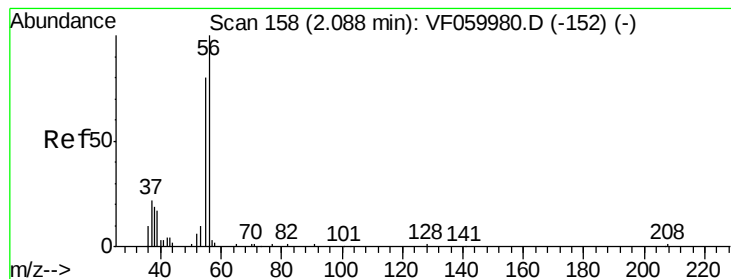
2.60

2.65

2.70

2.75





#13

Acrolein

Concen: 14.40 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

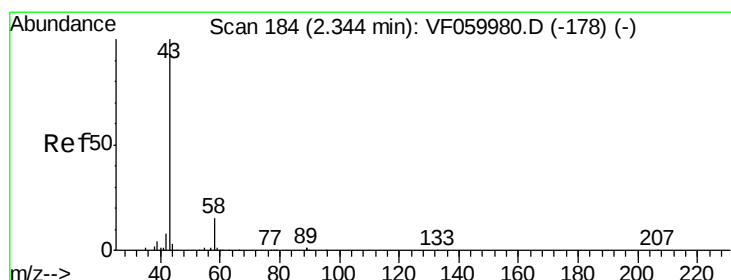
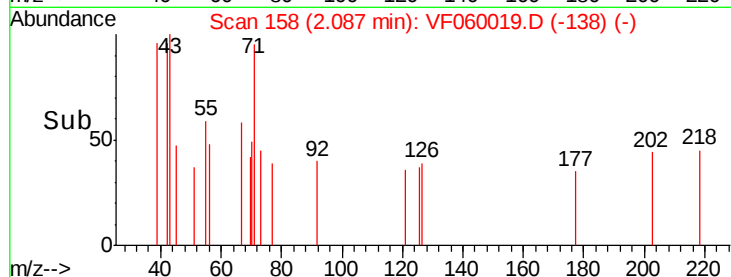
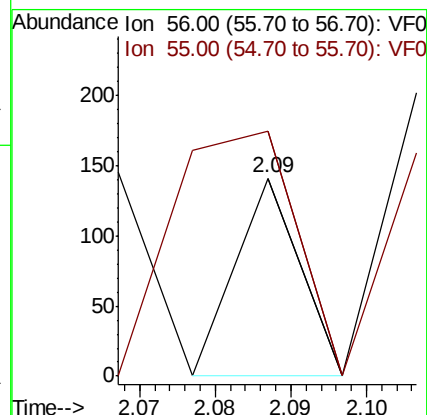
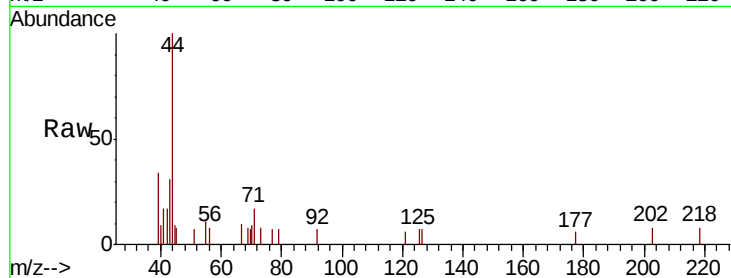
EP1-WC4-UST-0818

Tot Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

55 124.1 63.8 95.6#



#16

Acetone

Concen: 24.38 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060019.D

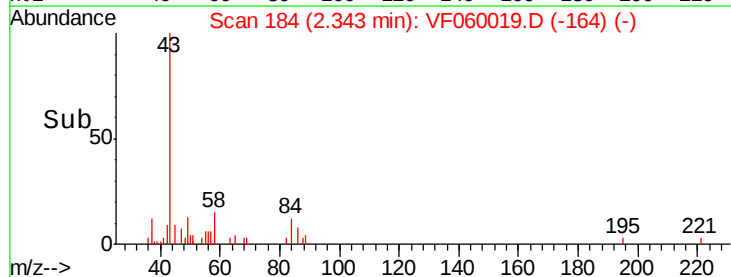
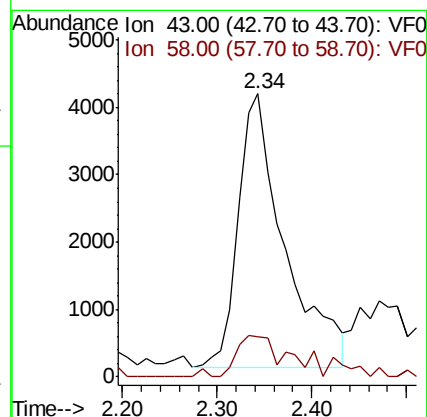
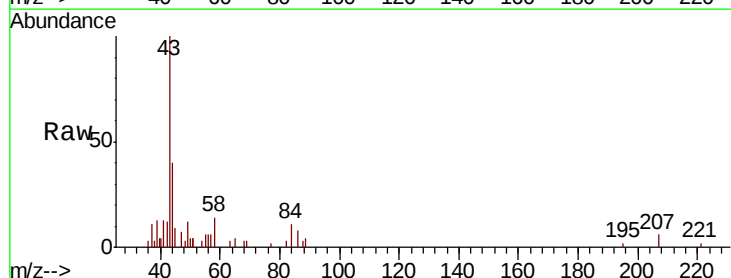
Acq: 20 Aug 2018 23:06

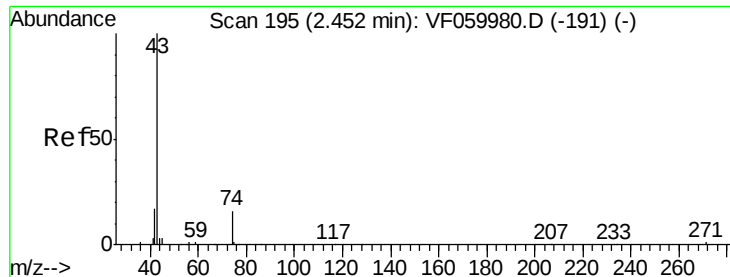
Tgt Ion: 43 Resp: 13741

Ion Ratio Lower Upper

43 100

58 14.2 11.9 17.9

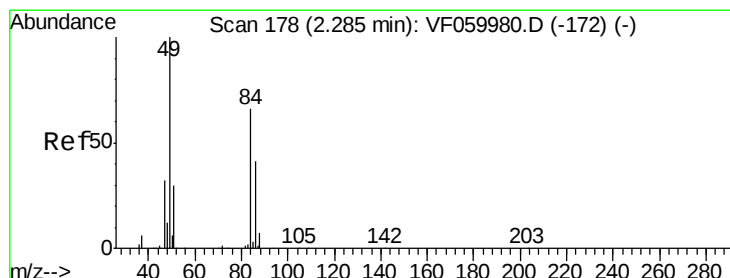
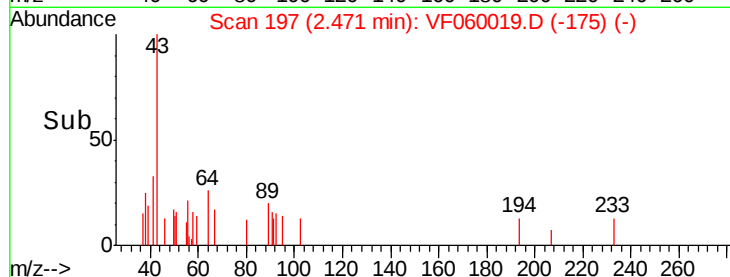
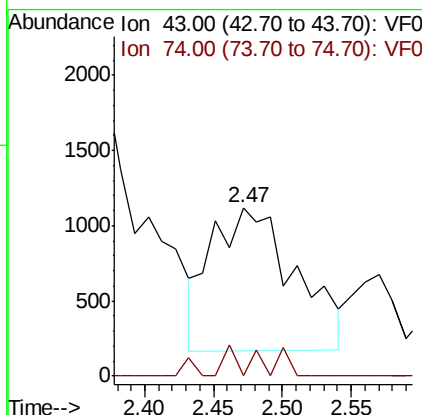
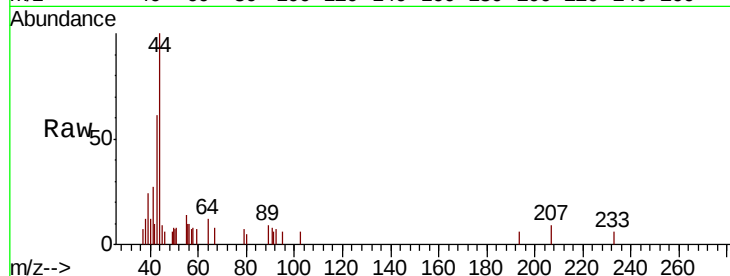




#18
Methyl Acetate
Concen: 2.65 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

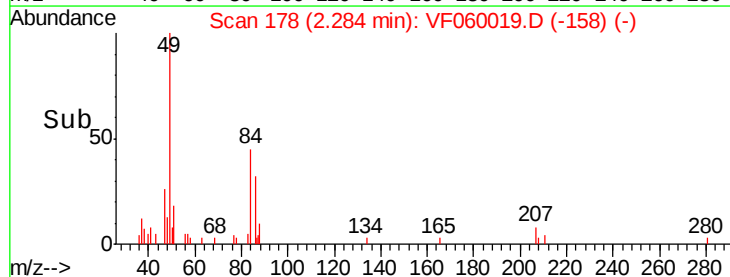
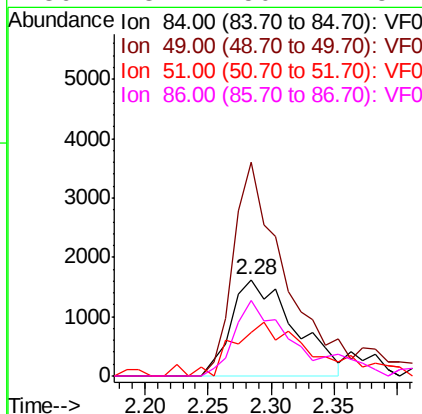
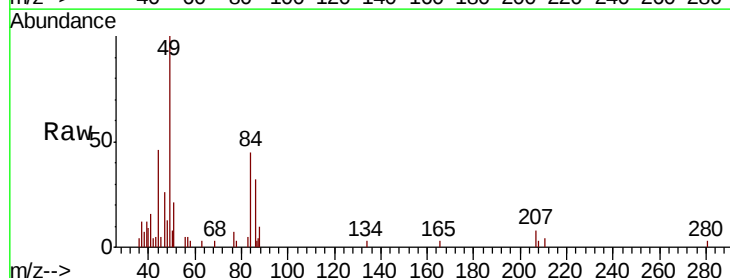
Instrument :
MSVOA_F
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EP1-WC4-UST-0818

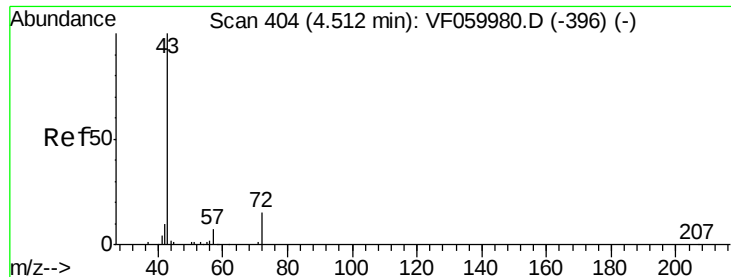
Tot Ion: 43 Resp: 4037
Ion Ratio Lower Upper
43 100
74 0.0 12.3 18.5#



#20
Methylene Chloride
Concen: 3.27 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion: 84 Resp: 5648
Ion Ratio Lower Upper
84 100
49 222.2 122.5 183.7#
51 45.9 37.1 55.7
86 78.1 50.2 75.2#





#25

2-Butanone

Concen: 21.35 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.03 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

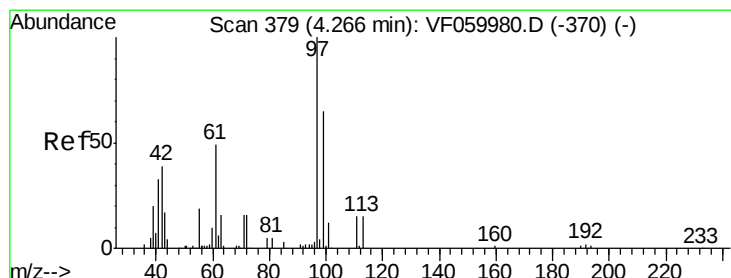
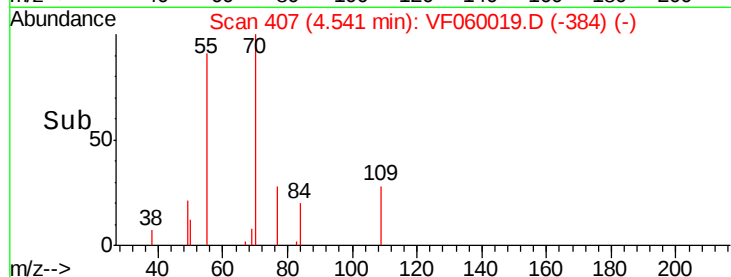
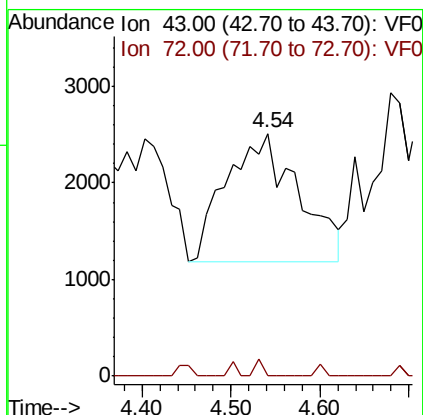
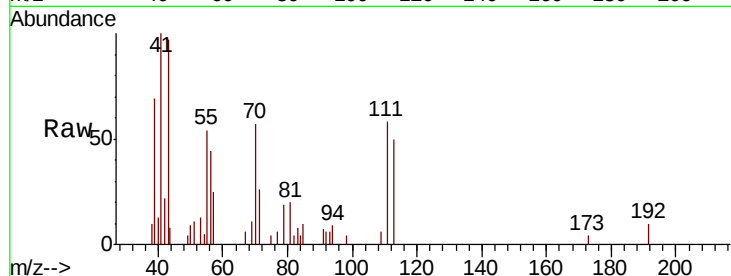
EP1-WC4-UST-0818

Tot Ion: 43 Resp: 7442

Ion Ratio Lower Upper

43 100

72 0.0 12.5 18.7#



#29

Tetrahydrofuran

Concen: 5.54 ug/l

RT: 4.34 min Scan# 387

Delta R.T. 0.08 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

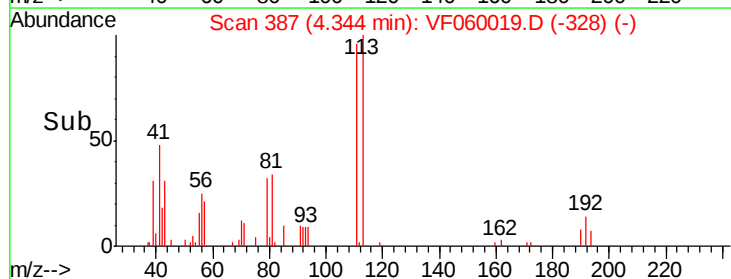
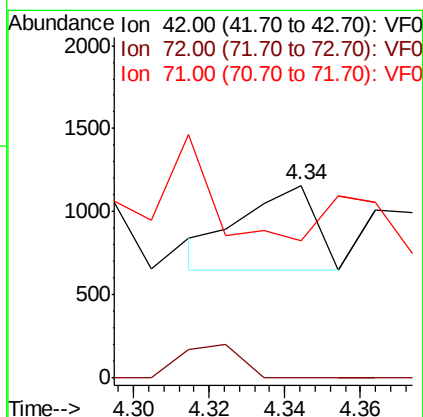
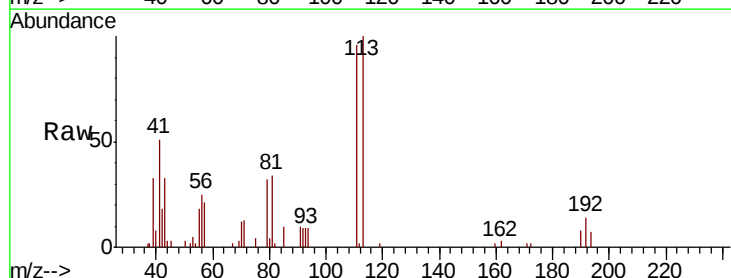
Tgt Ion: 42 Resp: 689

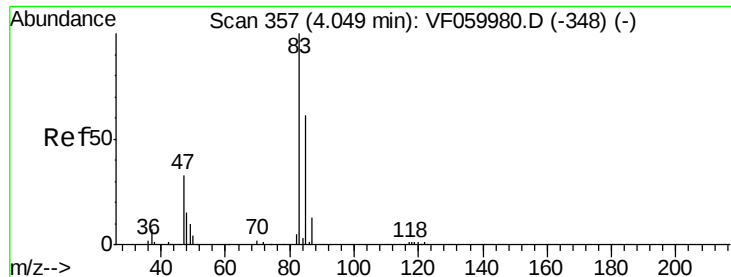
Ion Ratio Lower Upper

42 100

72 32.2 29.8 44.6

71 0.0 29.0 43.4#

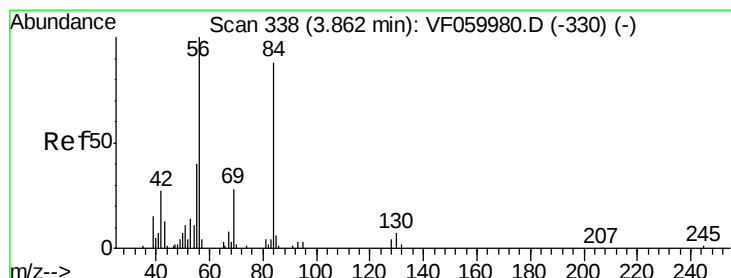
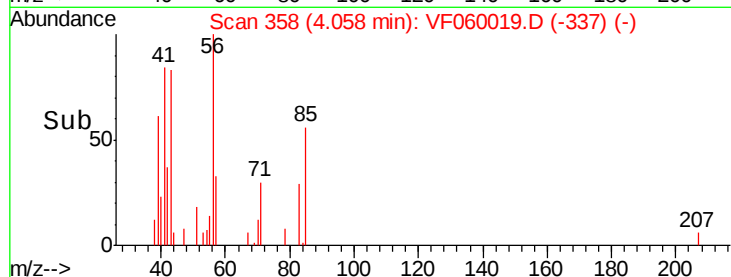
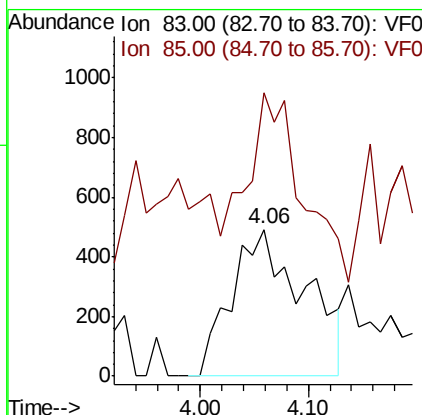
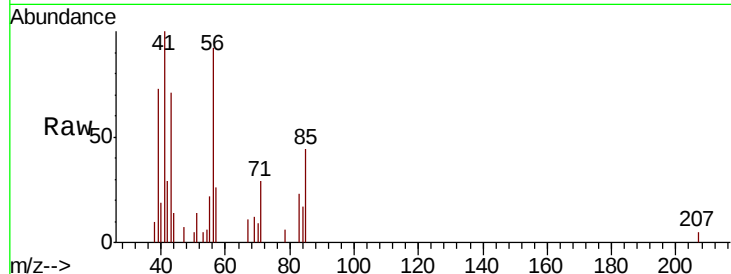




#30
Chloroform
Concen: 1.20 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

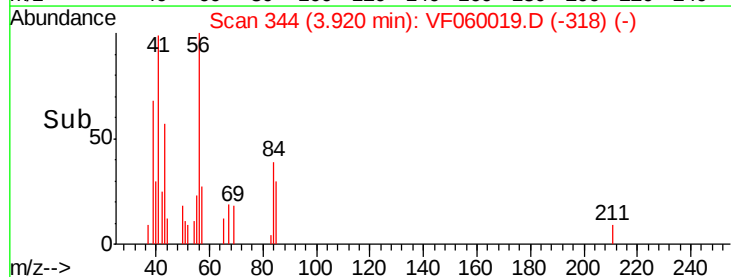
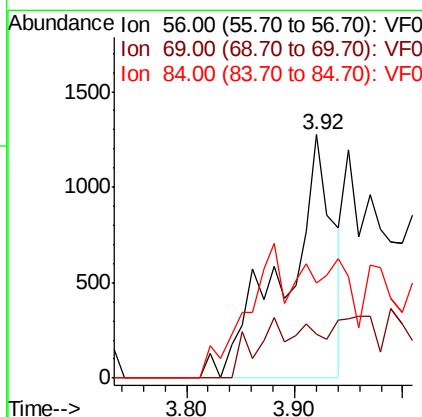
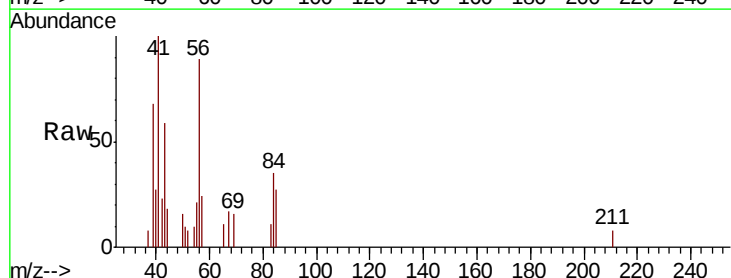
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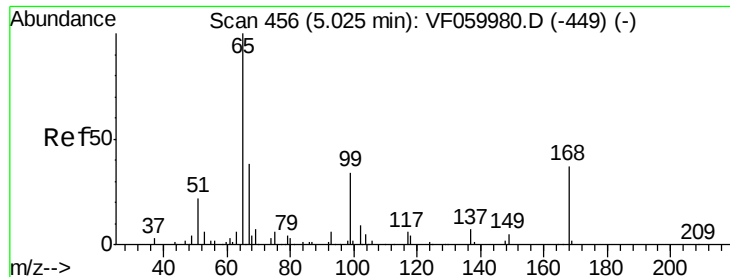
Tot Ion: 83 Resp: 2322
Ion Ratio Lower Upper
83 100
85 193.1 48.8 73.2#



#31
Cyclohexane
Concen: 5.20 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.06 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion: 56 Resp: 3979
Ion Ratio Lower Upper
56 100
69 17.8 22.8 34.2#
84 39.3 70.7 106.1#

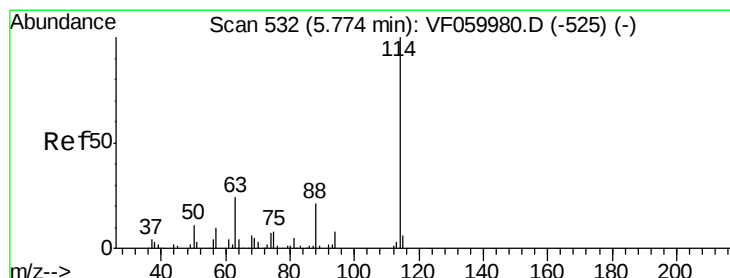
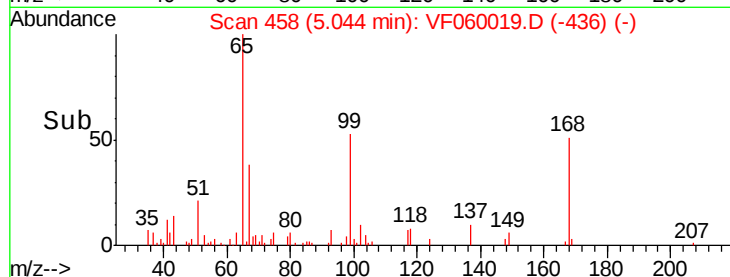
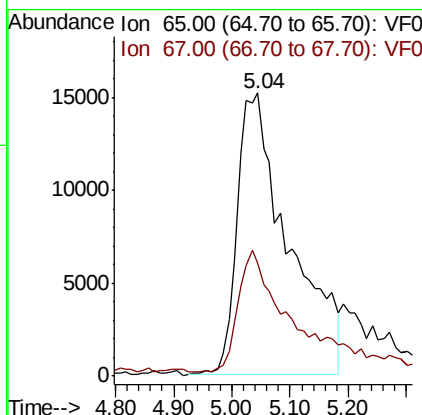
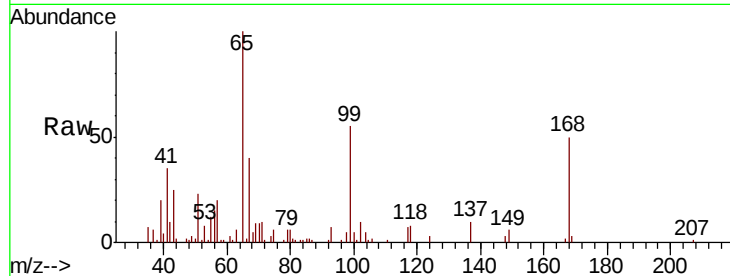




#33
 1,2-Dichloroethane-d4
 Concen: 64.96 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

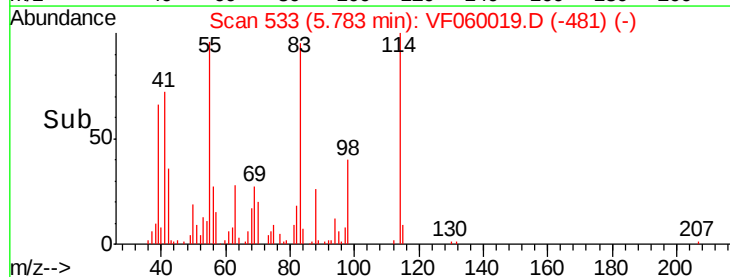
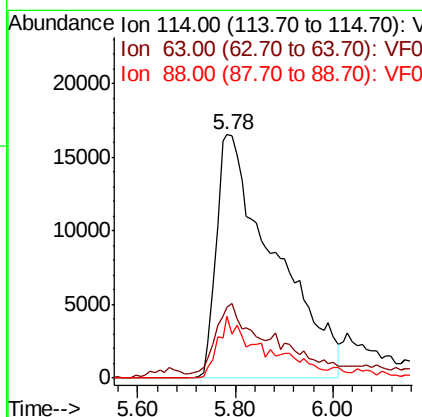
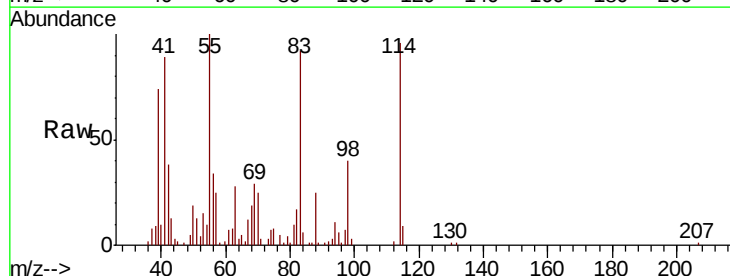
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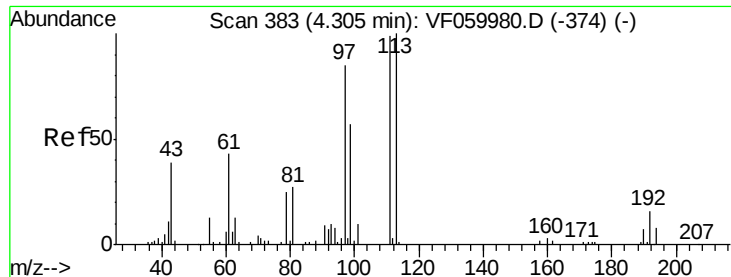
Tot Ion: 65 Resp: 93641
 Ion Ratio Lower Upper
 65 100
 67 39.8 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

Tgt Ion: 114 Resp: 136449
 Ion Ratio Lower Upper
 114 100
 63 29.0 0.0 48.6
 88 25.6 0.0 42.8

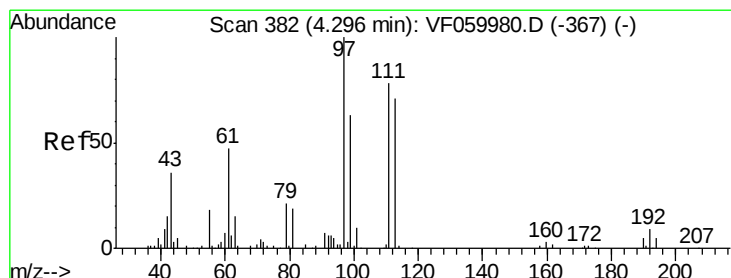
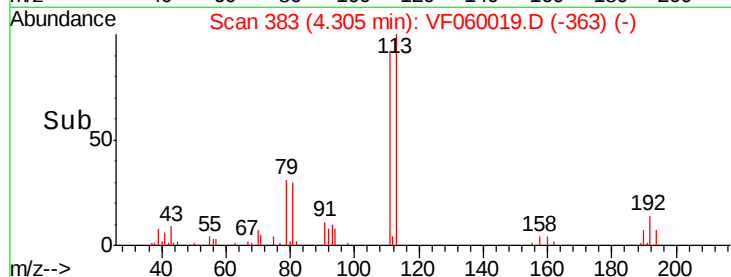
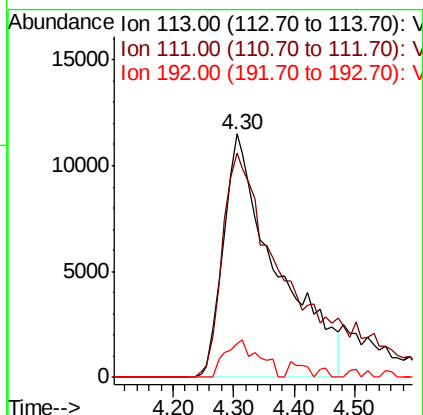
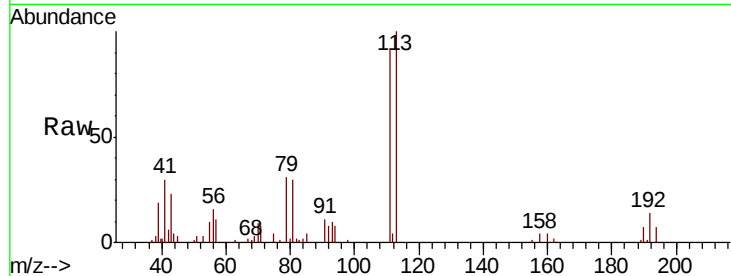




#35
 Dibromofluoromethane
 Concen: 50.07 ug/l
 RT: 4.30 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

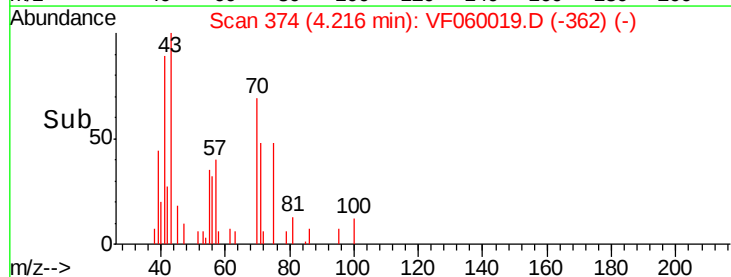
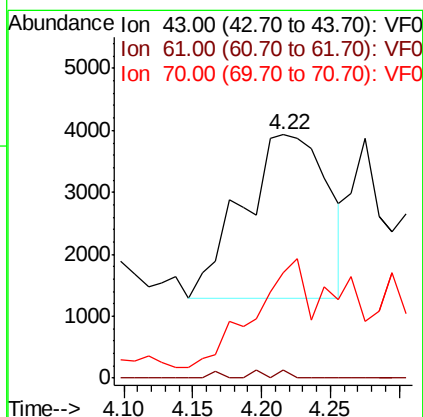
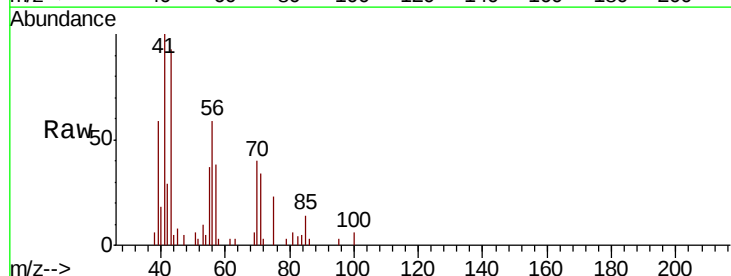
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-WC4-UST-0818

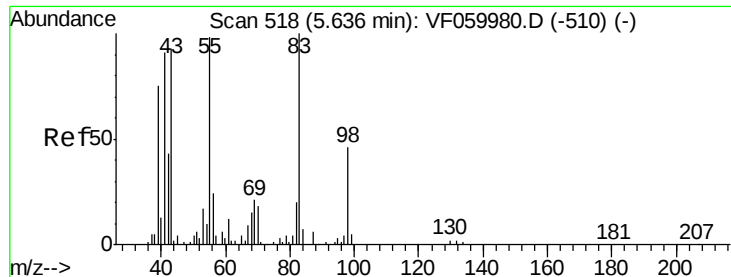
Tot Ion:113 Resp: 69831
 Ion Ratio Lower Upper
 113 100
 111 92.2 79.5 119.3
 192 13.7 12.4 18.6



#37
 Ethyl Acetate
 Concen: 13.21 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. -0.08 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

Tgt Ion: 43 Resp: 11349
 Ion Ratio Lower Upper
 43 100
 61 3.5 104.5 156.7#
 70 43.2 5.9 8.9#

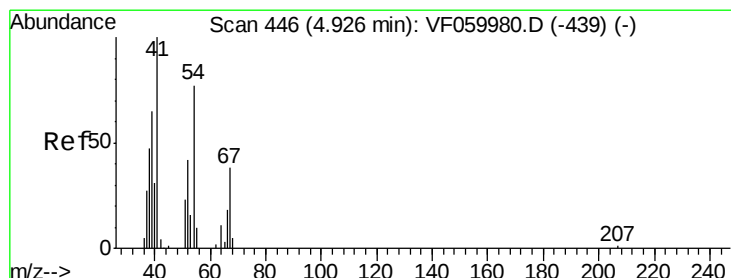
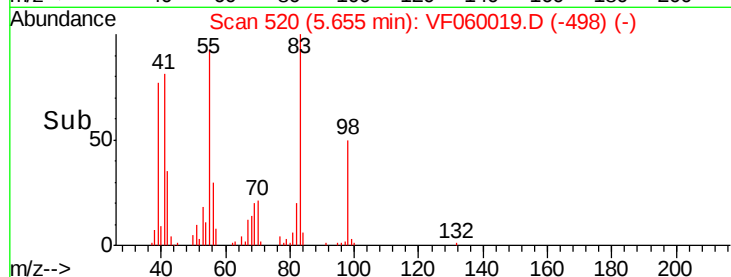
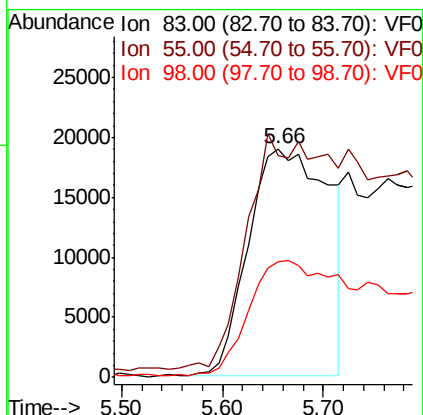
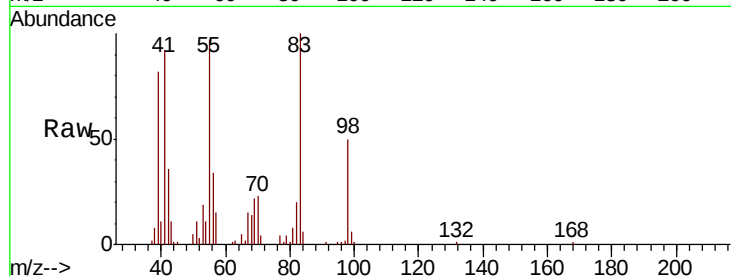




#39
Methvlcvclohexane
Concen: 89.90 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.02 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

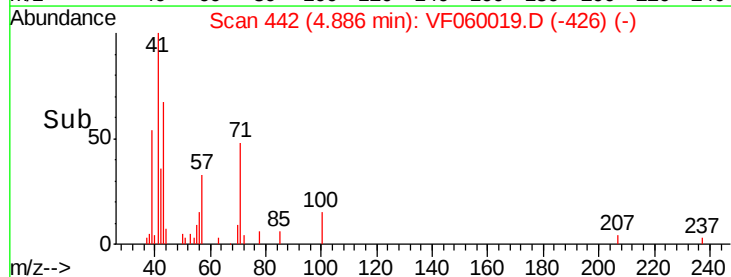
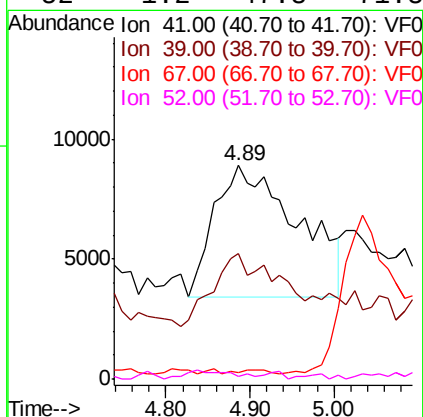
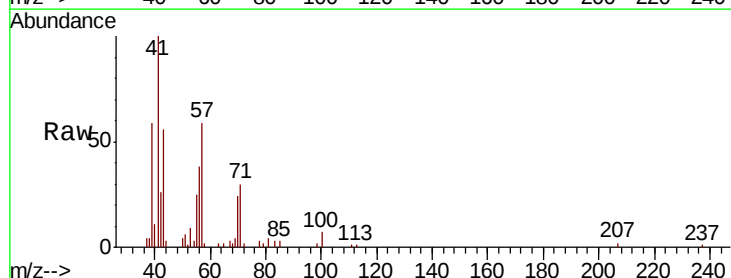
Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

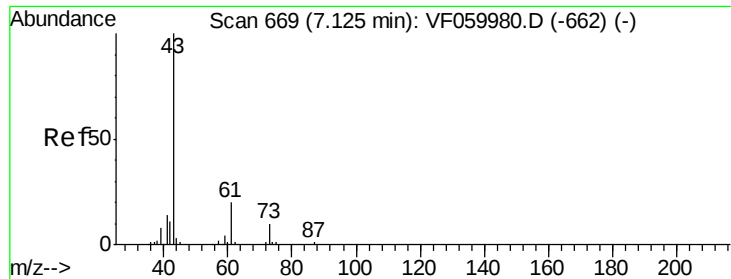
Tot Ion: 83 Resp: 104814
Ion Ratio Lower Upper
83 100
55 97.1 78.8 118.2
98 50.4 36.8 55.2



#41
Methacrylonitrile
Concen: 91.50 ug/l
RT: 4.89 min Scan# 442
Delta R.T. -0.04 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion: 41 Resp: 37634
Ion Ratio Lower Upper
41 100
39 59.0 62.9 94.3#
67 3.0 30.4 45.6#
52 1.2 47.8 71.8#



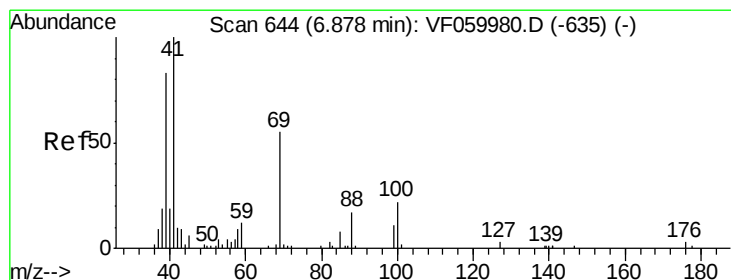
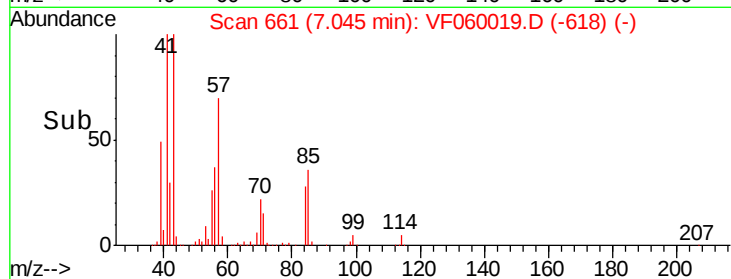
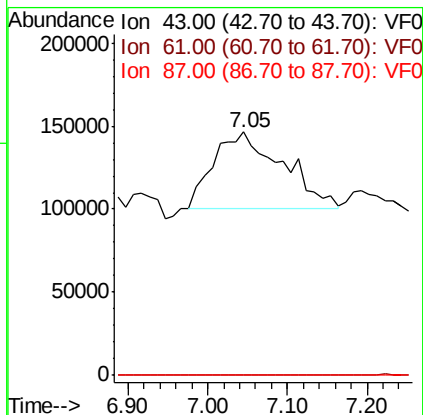
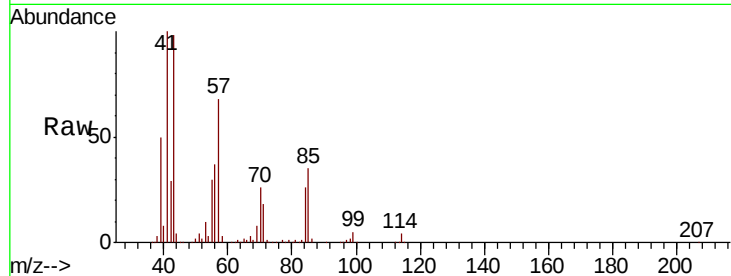


#43

Isopropyl Acetate
 Concen: 293.36 ug/l
 RT: 7.05 min Scan# 661
 Delta R.T. -0.08 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-WC4-UST-0818

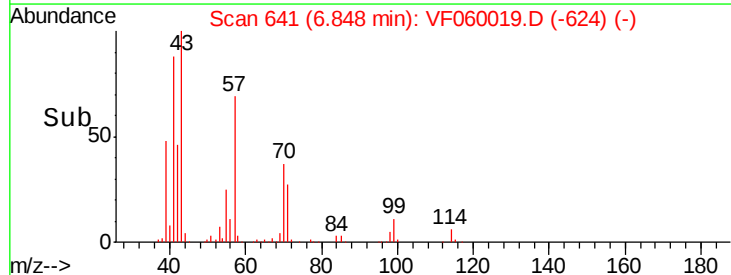
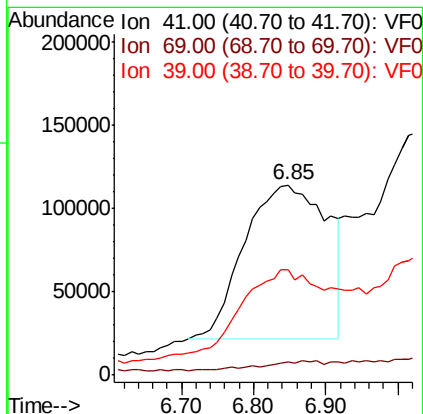
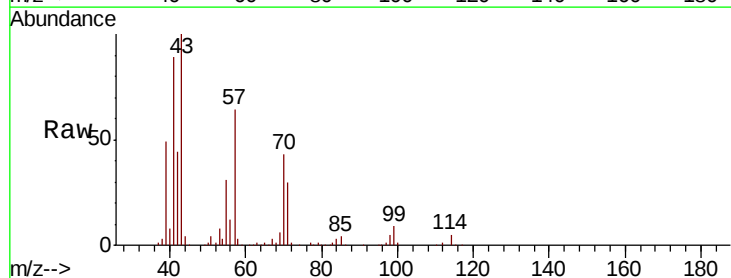
Tot Ion: 43 Resp: 277372
 Ion Ratio Lower Upper
 43 100
 61 0.1 15.8 23.8#
 87 0.0 0.6 0.8#

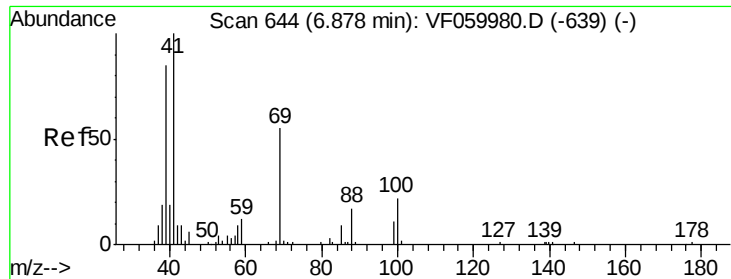


#48

Methyl methacrylate
 Concen: 1043.65 ug/l
 RT: 6.85 min Scan# 641
 Delta R.T. -0.03 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

Tgt Ion: 41 Resp: 734455
 Ion Ratio Lower Upper
 41 100
 69 6.6 44.4 66.6#
 39 55.6 67.8 101.6#





#49

1,4-Dioxane

Concen: 66.54 ug/l

RT: 7.00 min Scan# 656

Delta R.T. 0.12 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

EP1-WC4-UST-0818

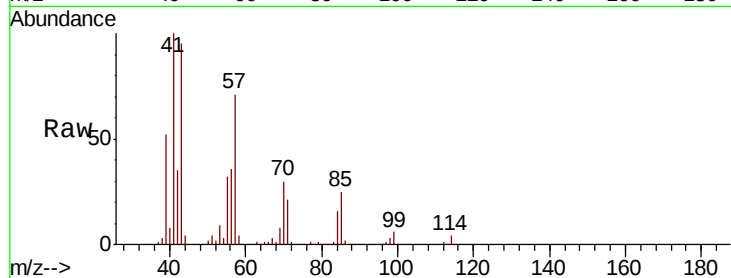
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 117882.4 43.2 64.8#

58 4452.9 42.0 63.0#



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

150000

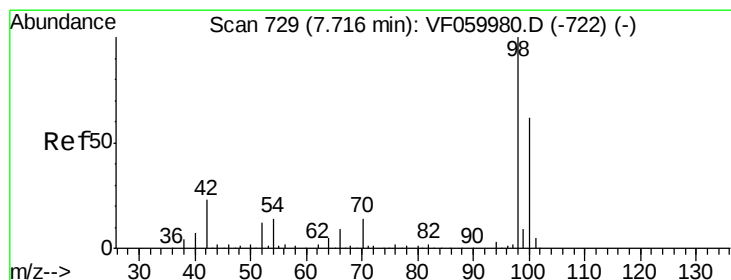
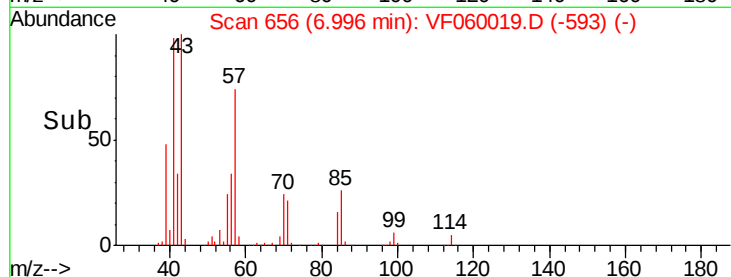
100000

50000

0

7.00

Time-->



#50

Toluene-d8

Concen: 55.59 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.07 min

Lab File: VF060019.D

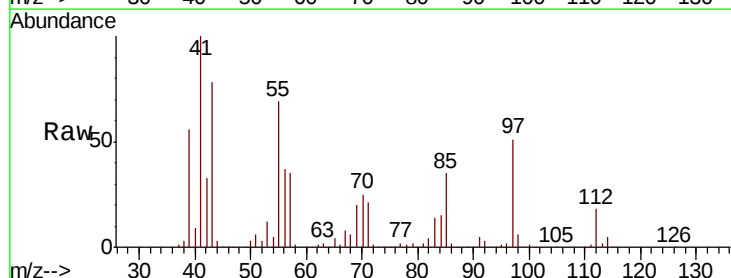
Acq: 20 Aug 2018 23:06

Tgt Ion: 98 Resp: 172387

Ion Ratio Lower Upper

98 100

100 13.8 49.8 74.8#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

30000

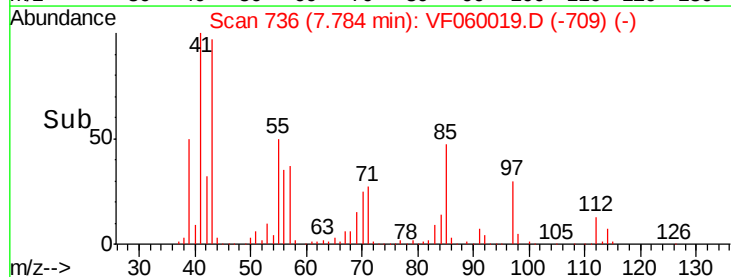
20000

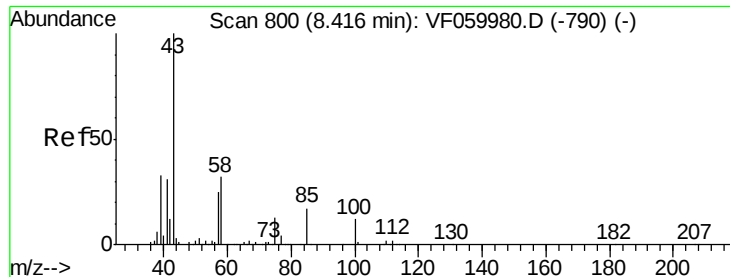
10000

0

7.78

Time-->





#51

4-Methyl-2-Pentanone

Concen: 760.33 ug/l

RT: 8.33 min Scan# 791

Delta R.T. -0.09 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

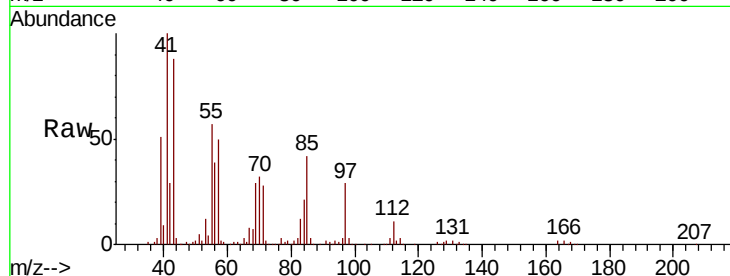
EP1-WC4-UST-0818

Tot Ion: 43 Resp: 671528

Ion Ratio Lower Upper

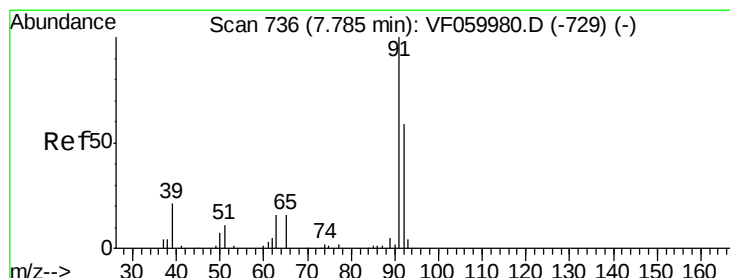
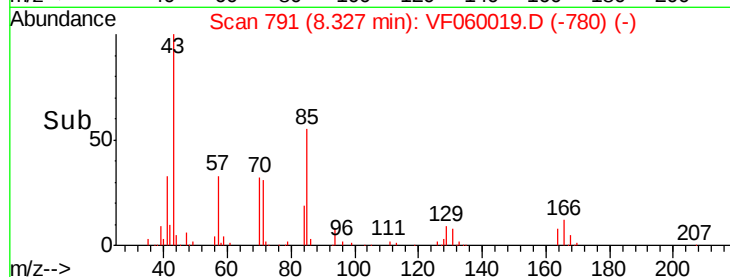
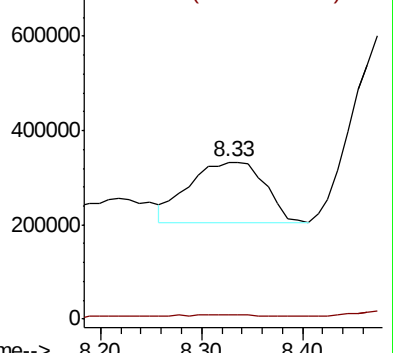
43 100

58 2.4 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 137.27 ug/l

RT: 7.82 min Scan# 740

Delta R.T. 0.04 min

Lab File: VF060019.D

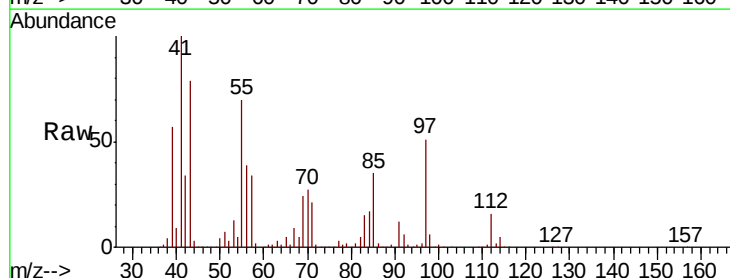
Acq: 20 Aug 2018 23:06

Tgt Ion: 92 Resp: 270257

Ion Ratio Lower Upper

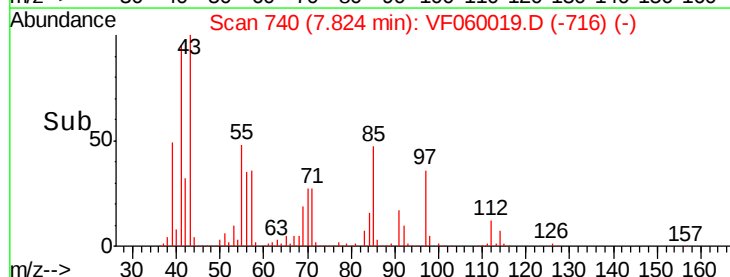
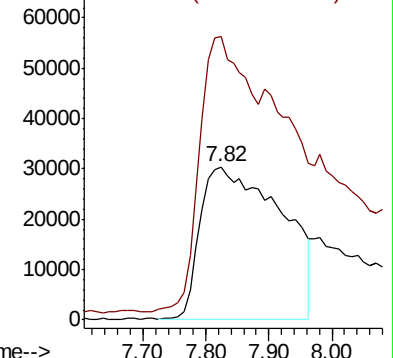
92 100

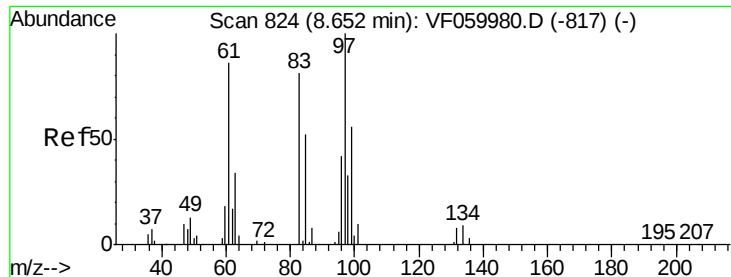
91 185.2 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

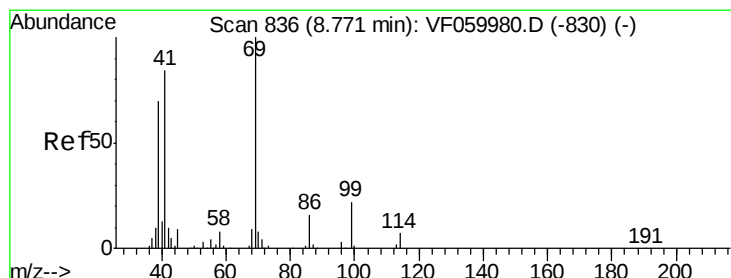
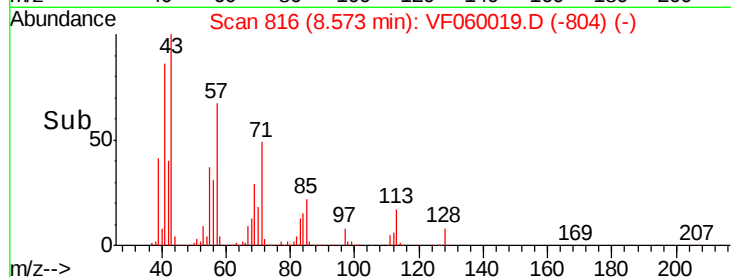
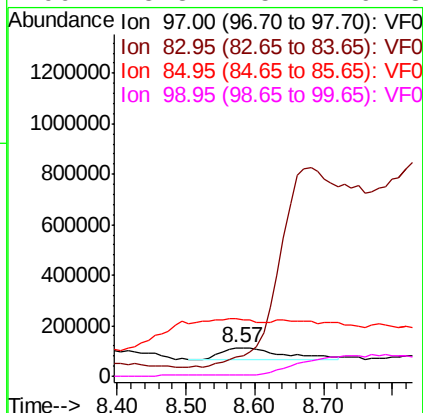
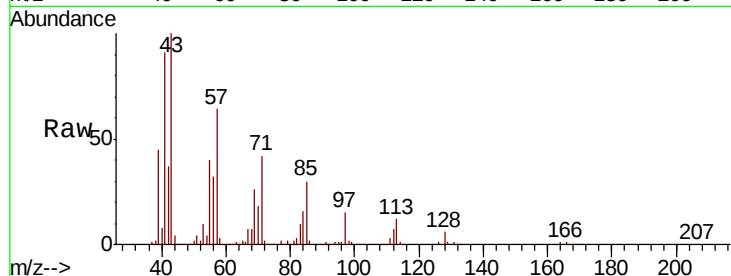




#55
 1,1,2-Trichloroethane
 Concen: 379.55 ug/l
 RT: 8.57 min Scan# 816
 Delta R.T. -0.08 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

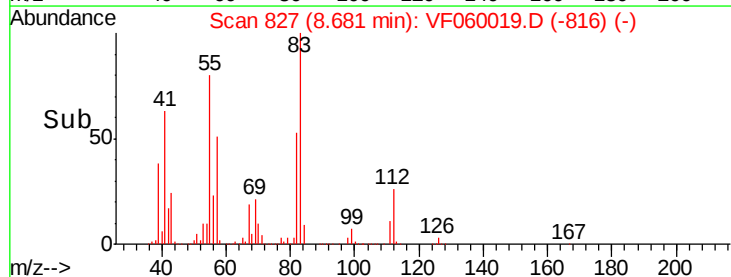
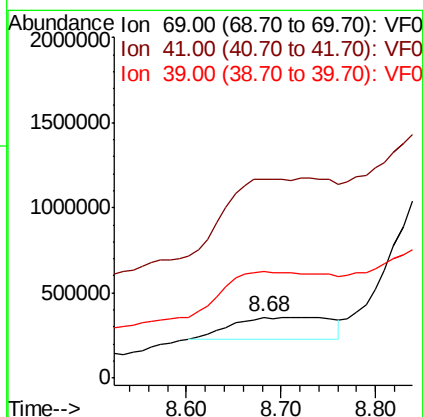
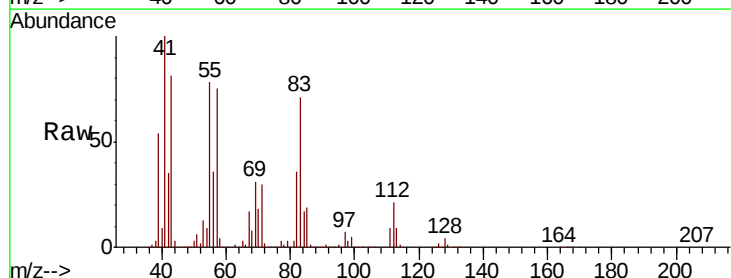
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-WC4-UST-0818

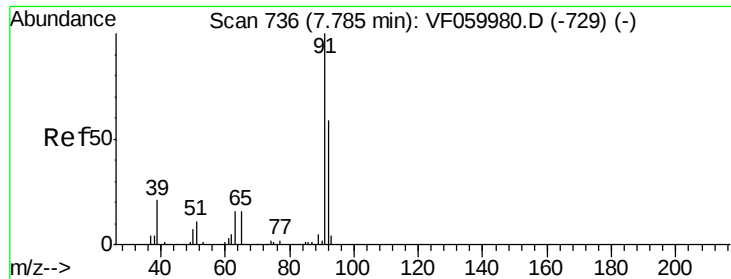
Tot Ion:	97	Resp:	299792
Ion	Ratio	Lower	Upper
97	100		
83	68.7	64.9	97.3
85	202.4	41.8	62.6#
99	5.8	45.2	67.8#



#56
 Ethyl methacrylate
 Concen: 989.67 ug/l
 RT: 8.68 min Scan# 827
 Delta R.T. -0.09 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

Tgt Ion:	69	Resp:	905647
Ion	Ratio	Lower	Upper
69	100		
41	325.7	67.8	101.6#
39	174.7	55.8	83.6#

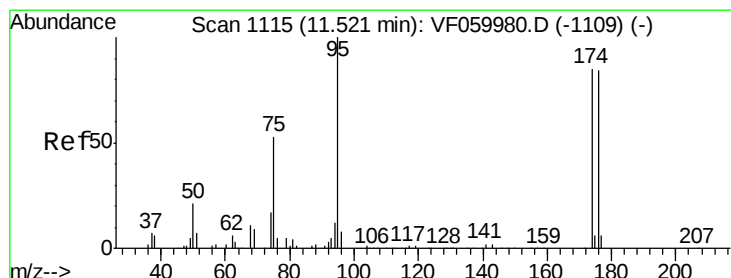
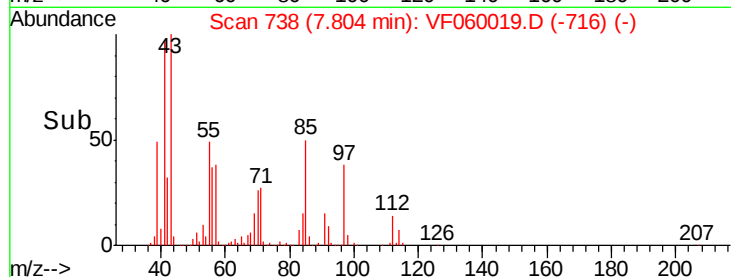
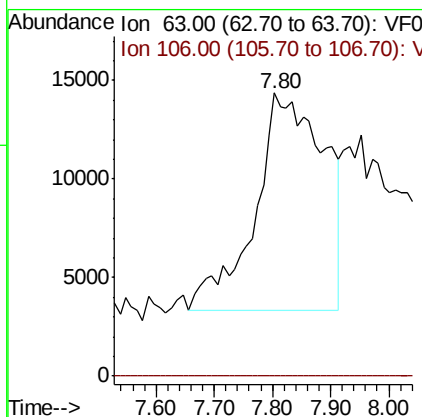
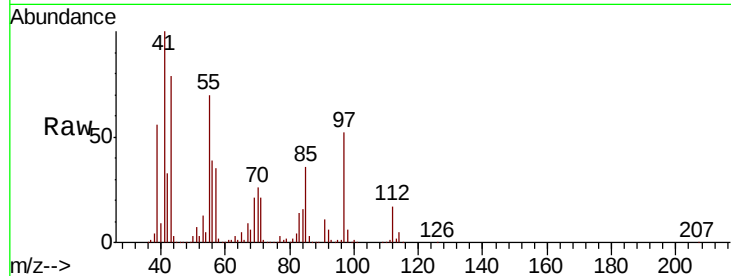




#58
 2-Chloroethyl Vinyl ether
 Concen: 1196.60 ug/l
 RT: 7.80 min Scan# 738
 Delta R.T. 0.02 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

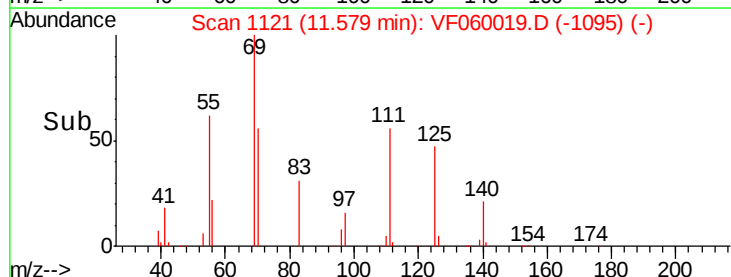
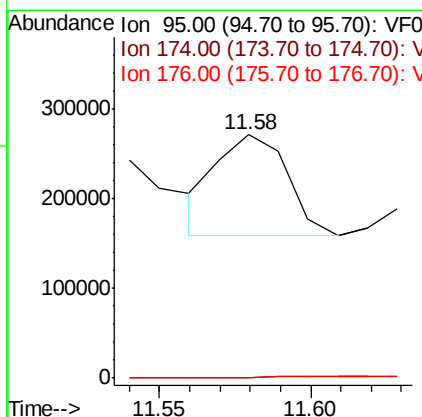
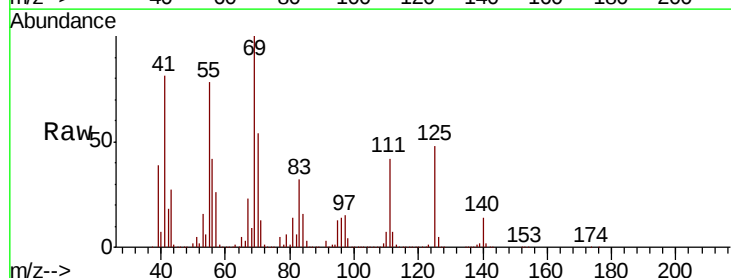
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-WC4-UST-0818

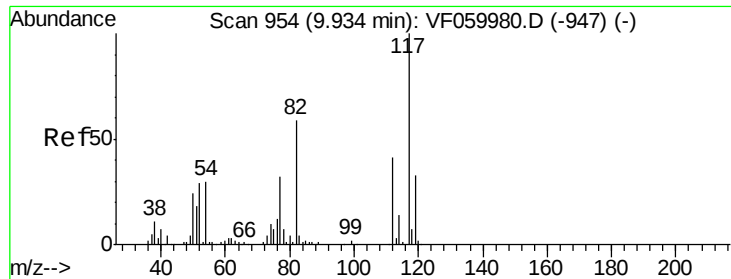
Tot Ion: 63 Resp: 91837
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 96.72 ug/l
 RT: 11.58 min Scan# 1121
 Delta R.T. 0.06 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

Tgt Ion: 95 Resp: 184063
 Ion Ratio Lower Upper
 95 100
 174 0.2 0.0 169.8
 176 0.2 0.0 167.8

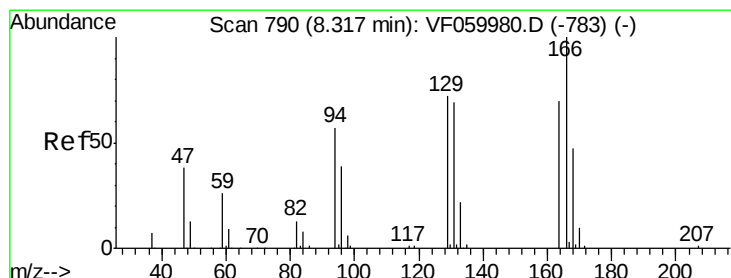
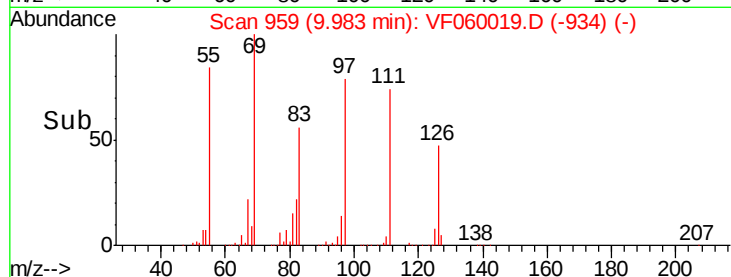
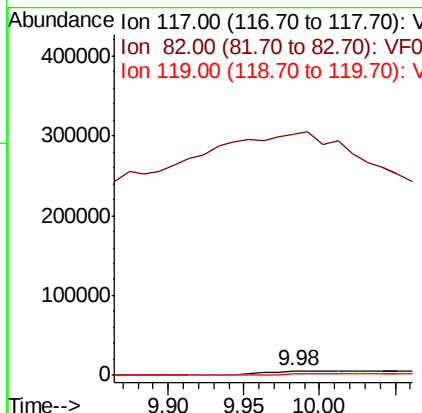
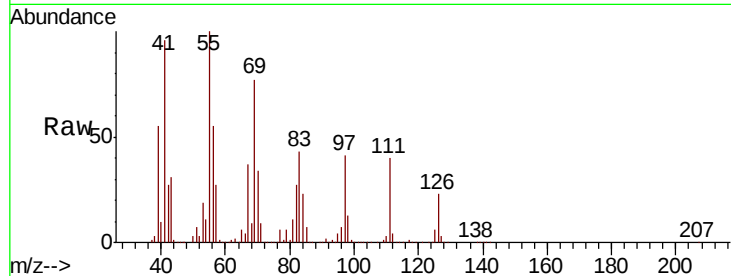




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.98 min Scan# 959
Delta R.T. 0.05 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

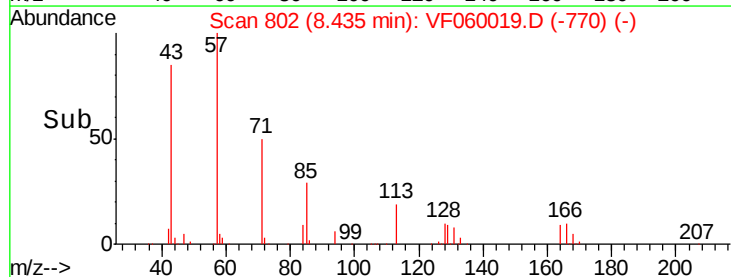
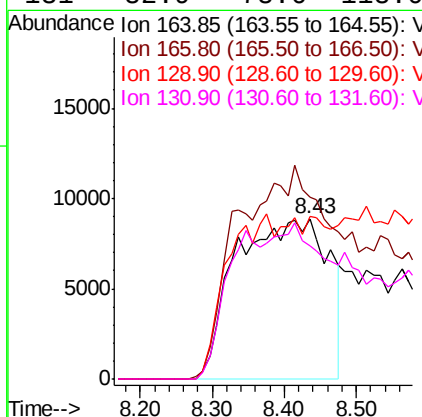
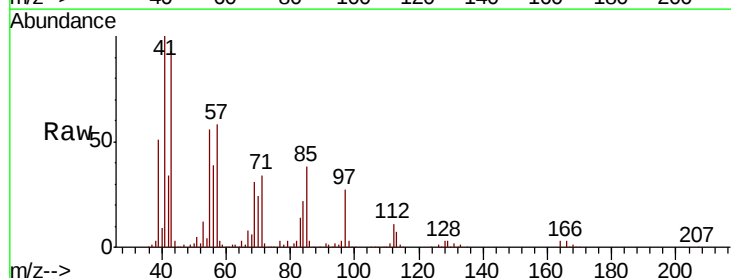
Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

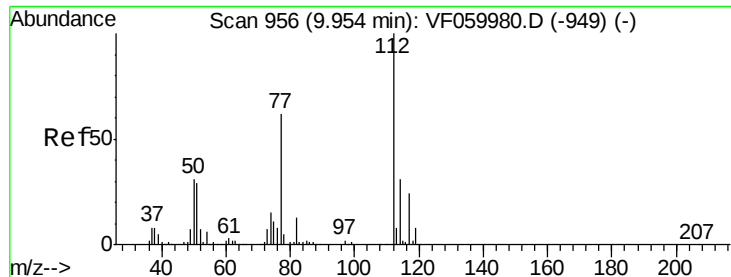
Tot Ion:117 Resp: 19343
Ion Ratio Lower Upper
117 100
82 5415.6 47.2 70.8#
119 31.9 26.1 39.1



#64
Tetrachloroethene
Concen: 532.67 ug/l
RT: 8.43 min Scan# 802
Delta R.T. 0.12 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion:164 Resp: 78509
Ion Ratio Lower Upper
164 100
166 112.9 114.5 171.7#
129 101.6 82.3 123.5
131 82.9 78.6 118.0

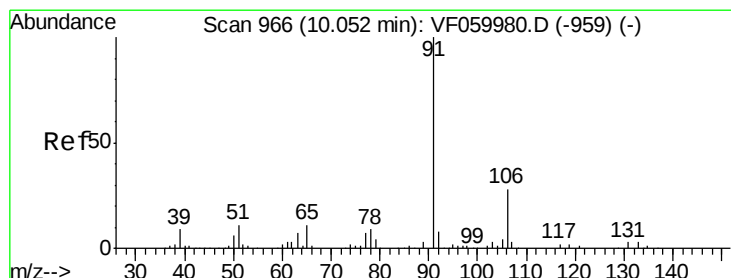
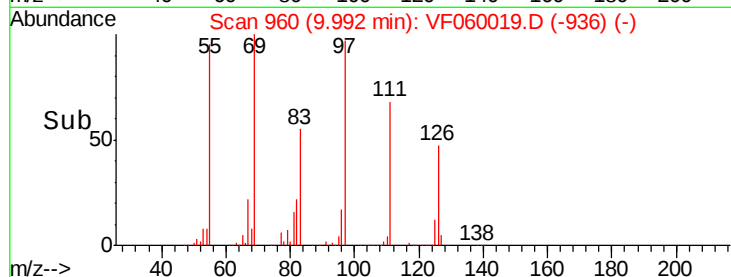
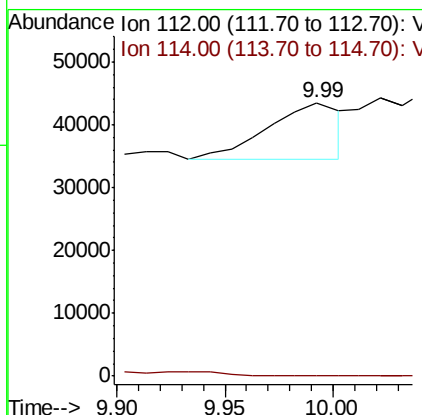
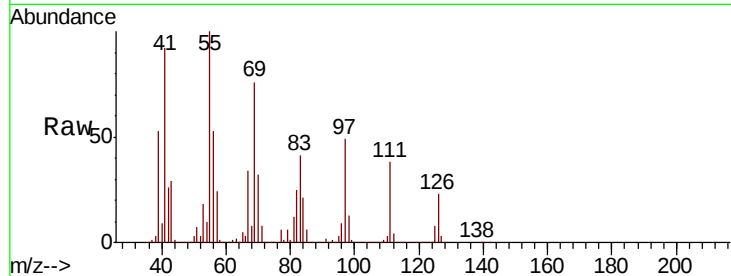




#65
Chlorobenzene
Concen: 54.73 ug/l
RT: 9.99 min Scan# 960
Delta R.T. 0.04 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

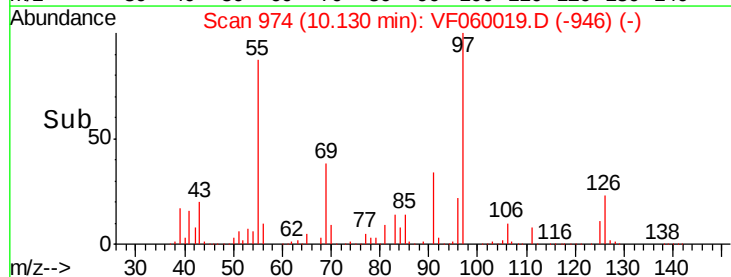
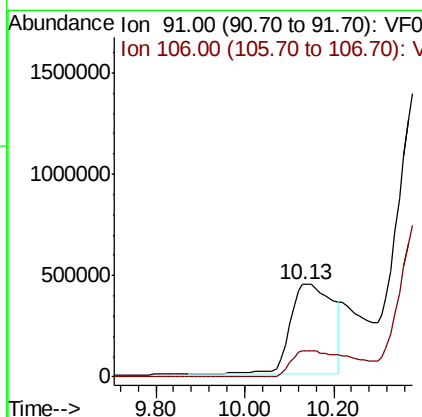
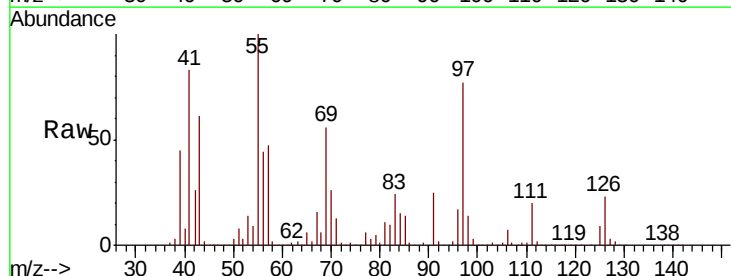
Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

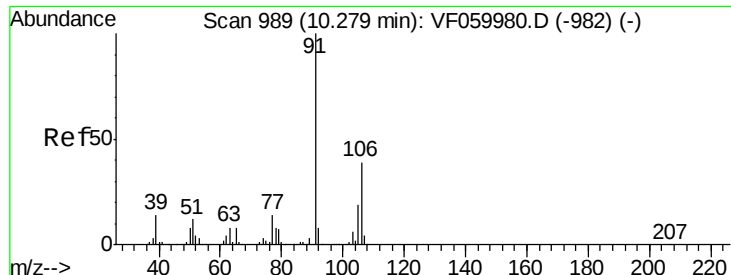
Tot Ion:112 Resp: 20894
Ion Ratio Lower Upper
112 100
114 0.3 25.0 37.4#



#67
Ethyl Benzene
Concen: 4274.52 ug/l
RT: 10.13 min Scan# 974
Delta R.T. 0.08 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion: 91 Resp: 2962873
Ion Ratio Lower Upper
91 100
106 28.8 22.0 33.0

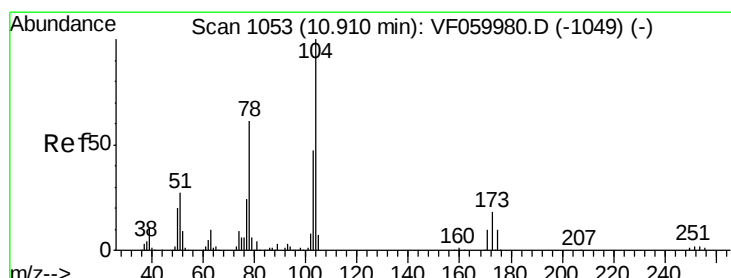
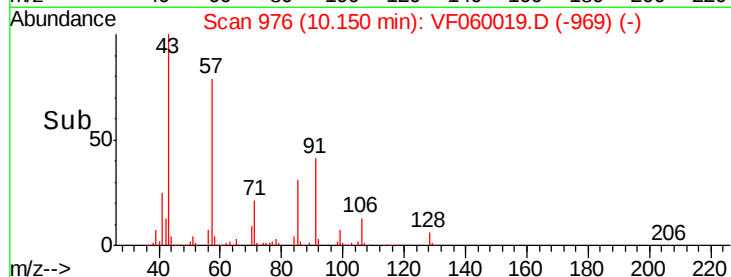
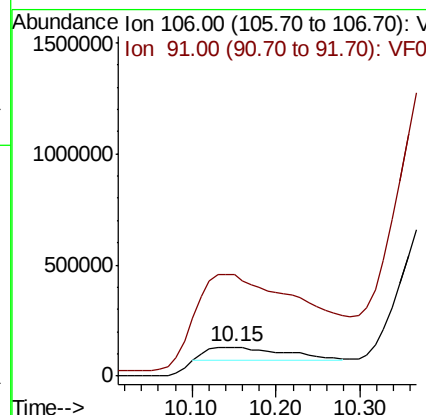
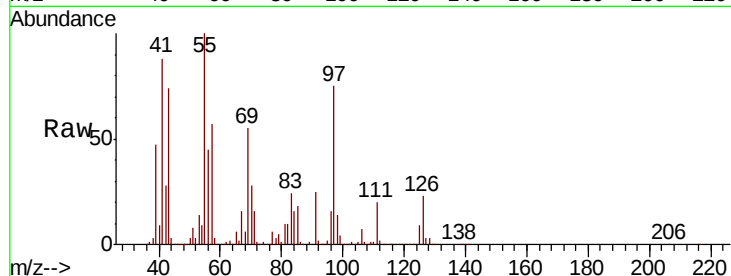




#68
m/p-Xvlenes
Concen: 1607.86 ug/l
RT: 10.15 min Scan# 976
Delta R.T. -0.13 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

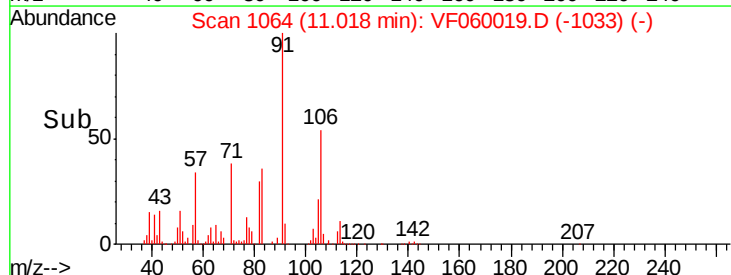
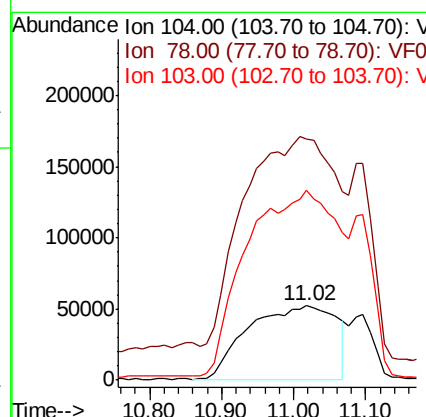
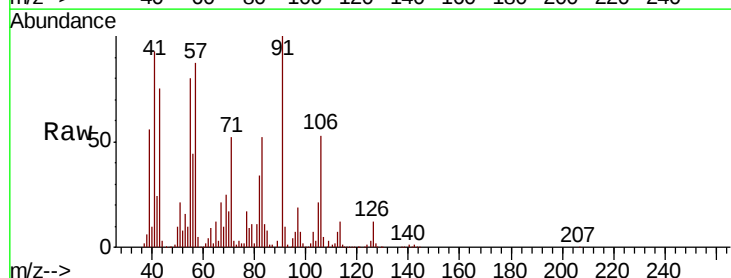
Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

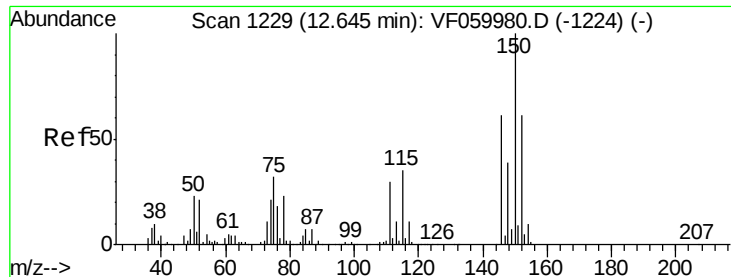
Tot Ion:106 Resp: 386142
Ion Ratio Lower Upper
106 100
91 345.4 203.5 305.3#



#70
Styrene
Concen: 1103.32 ug/l
RT: 11.02 min Scan# 1064
Delta R.T. 0.11 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion:104 Resp: 435188
Ion Ratio Lower Upper
104 100
78 323.4 49.0 73.6#
103 255.3 38.2 57.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. 0.02 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

EP1-WC4-UST-0818

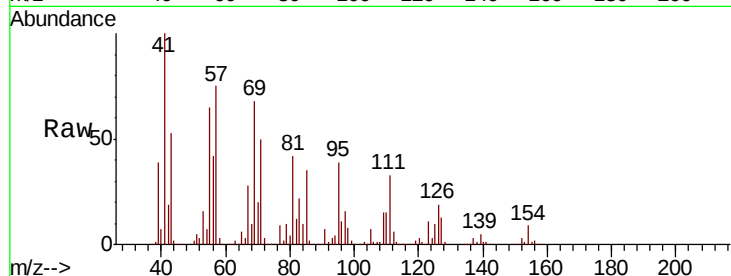
Tot Ion:152 Resp: 9759

Ion Ratio Lower Upper

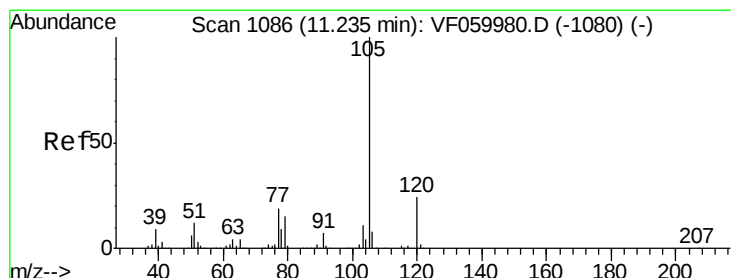
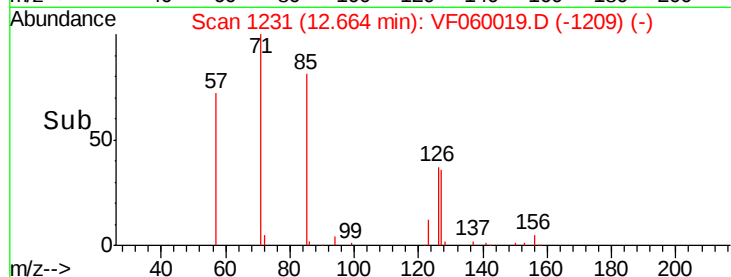
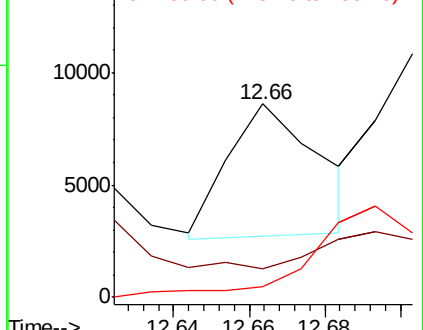
152 100

115 14.6 29.1 87.3#

150 5.3 0.0 330.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene

Concen: 8225.99 ug/l

RT: 11.34 min Scan# 1097

Delta R.T. 0.11 min

Lab File: VF060019.D

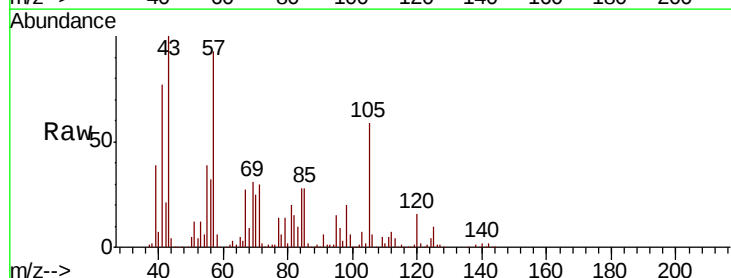
Acq: 20 Aug 2018 23:06

Tgt Ion:105 Resp: 4812537

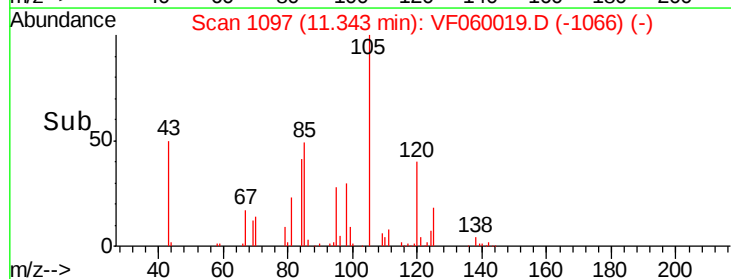
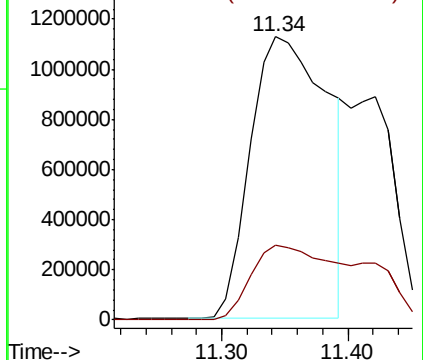
Ion Ratio Lower Upper

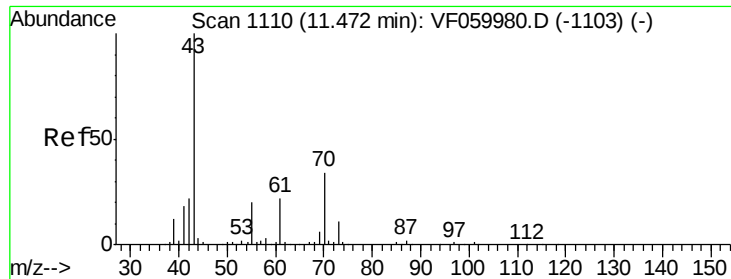
105 100

120 26.5 11.9 35.5



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





#74

N-amvl acetate

Concen: 100931.03 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.04 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

EP1-WC4-UST-0818

Tot Ion: 43 Resp:16756546

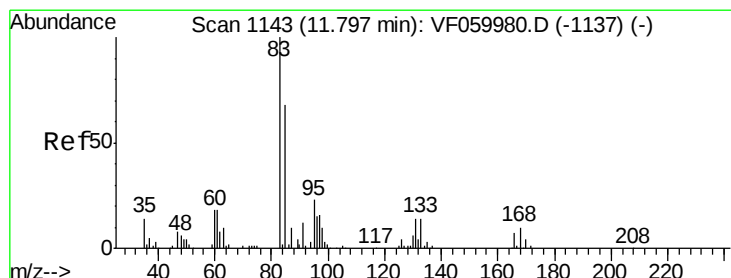
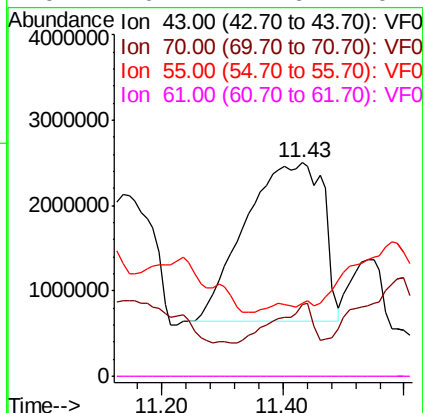
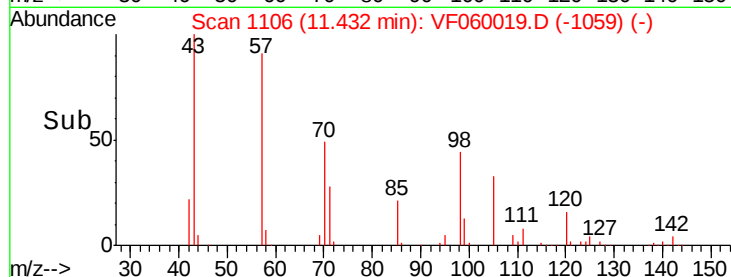
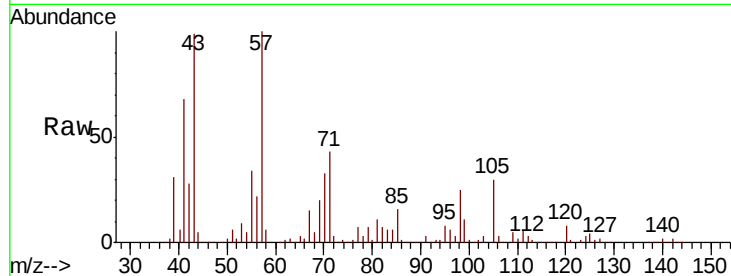
Ion	Ratio	Lower	Upper
43	100		
70	33.3	27.2	40.8
55	34.3	16.4	24.6
61	0.2	17.6	26.4

43 100

70 33.3 27.2 40.8

55 34.3 16.4 24.6

61 0.2 17.6 26.4



#75

1,1,2,2-Tetrachloroethane

Concen: 37525.83 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.03 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

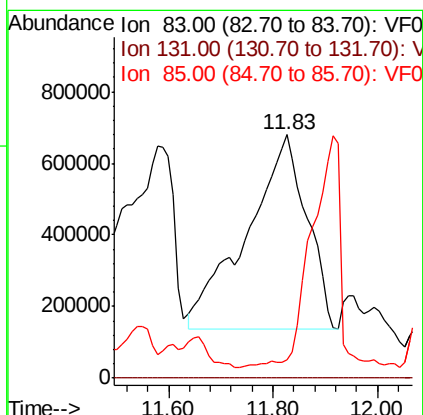
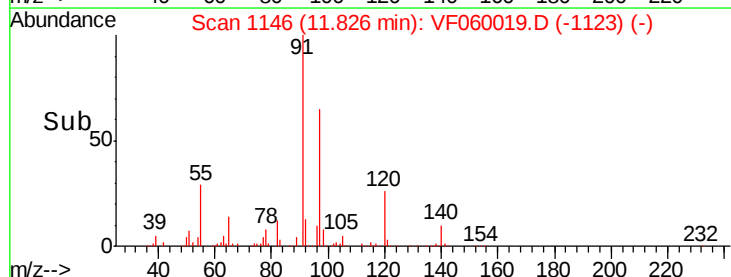
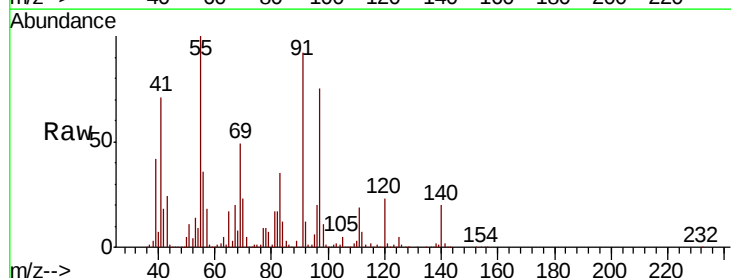
Tgt Ion: 83 Resp: 4310664

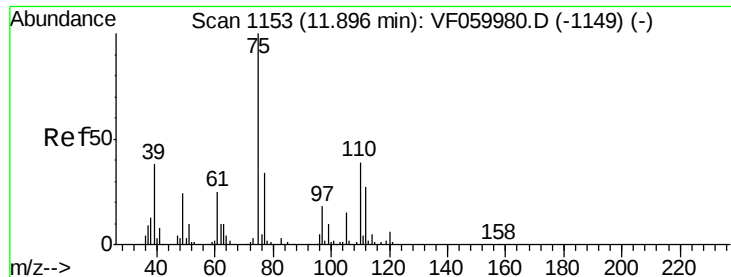
Ion	Ratio	Lower	Upper
83	100		
131	0.0	7.2	21.6
85	7.4	34.1	102.2

83 100

131 0.0 7.2 21.6

85 7.4 34.1 102.2





#76

1,2,3-Trichloropropane

Concen: 872.84 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.05 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

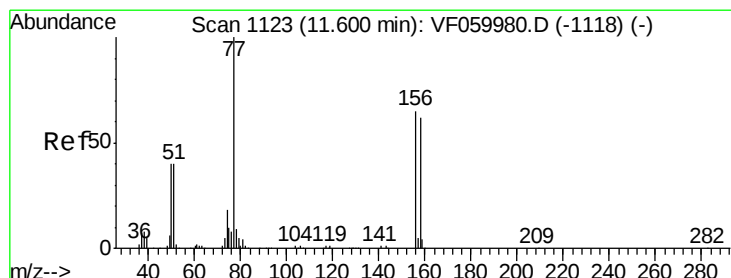
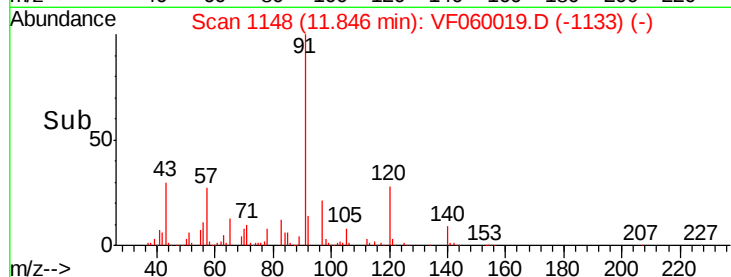
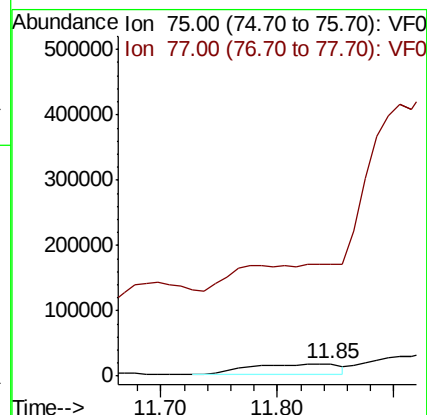
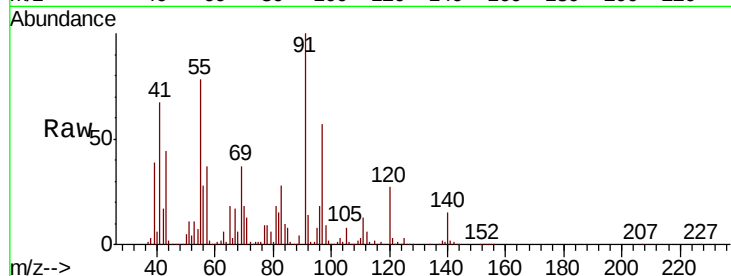
EP1-WC4-UST-0818

Tot Ion: 75 Resp: 88803

Ion Ratio Lower Upper

75 100

77 894.1 17.1 51.3#



#77

Bromobenzene

Concen: 54.64 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. 0.05 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

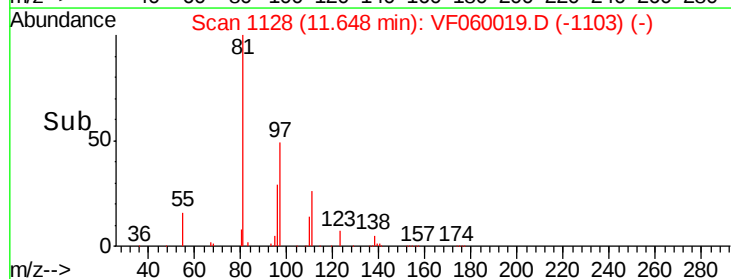
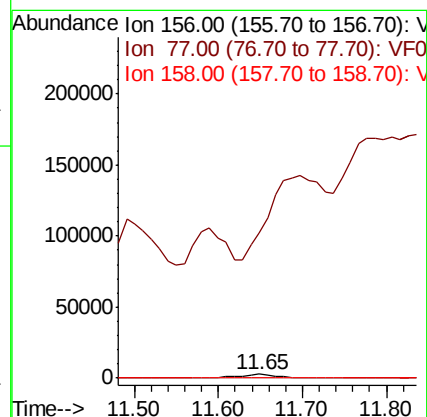
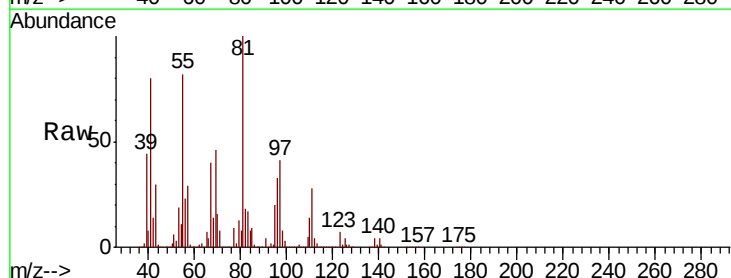
Tgt Ion: 156 Resp: 8915

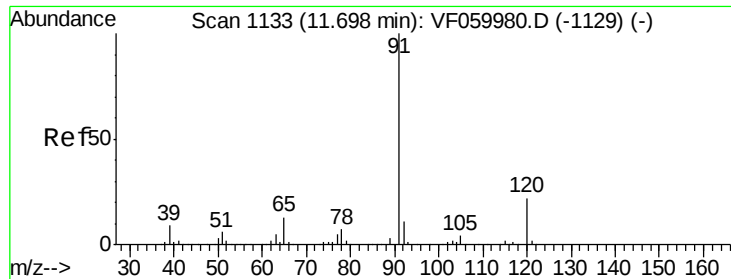
Ion Ratio Lower Upper

156 100

77 3983.2 76.9 230.7#

158 0.0 47.7 143.1#

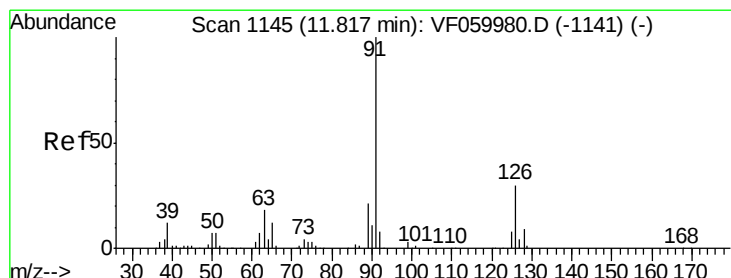
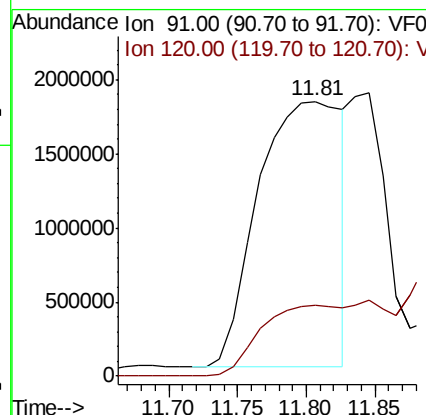
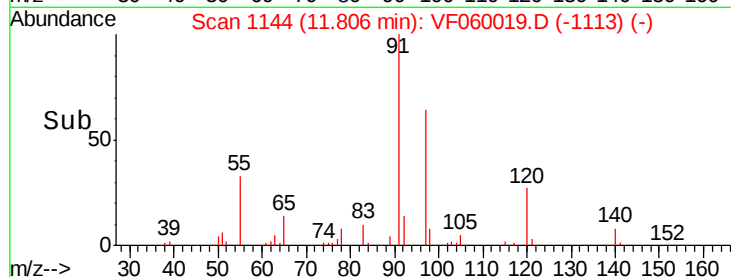
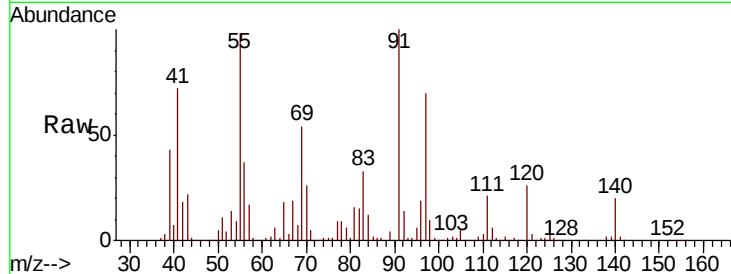




#78
n-propylbenzene
Concen: 10391.87 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.11 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

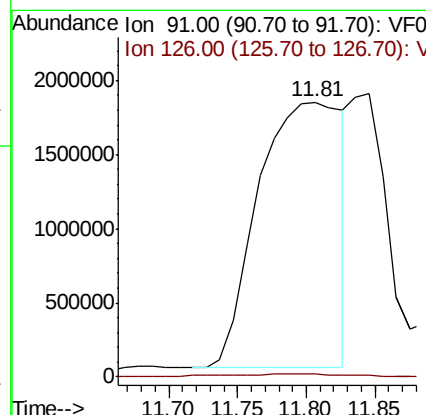
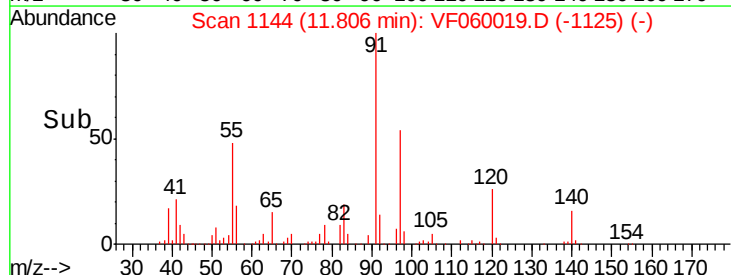
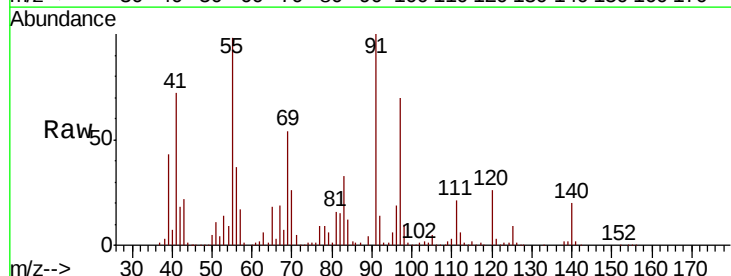
Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

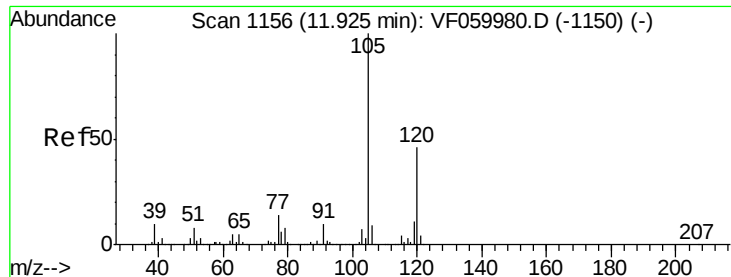
Tot Ion: 91 Resp: 7547641
Ion Ratio Lower Upper
91 100
120 25.8 11.0 33.0



#79
2-Chlorotoluene
Concen: 17104.90 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion: 91 Resp: 7547641
Ion Ratio Lower Upper
91 100
126 1.0 14.7 44.1#





#80

1,3,5-Trimethylbenzene

Concen: 38722.69 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.03 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

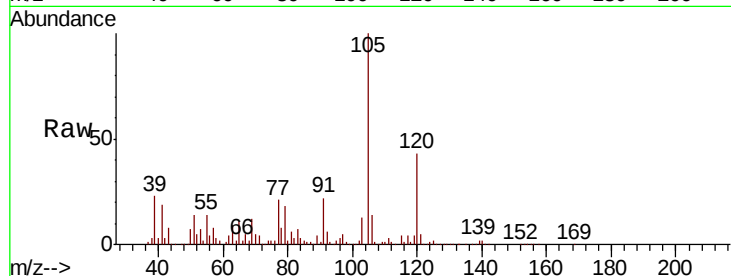
EP1-WC4-UST-0818

Tot Ion:105 Resp:20482918

Ion Ratio Lower Upper

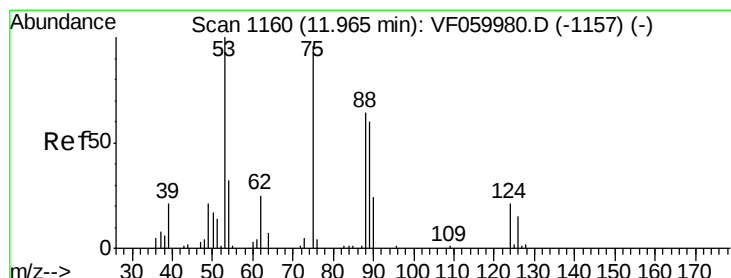
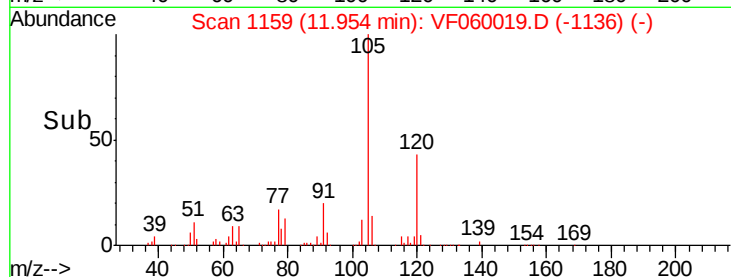
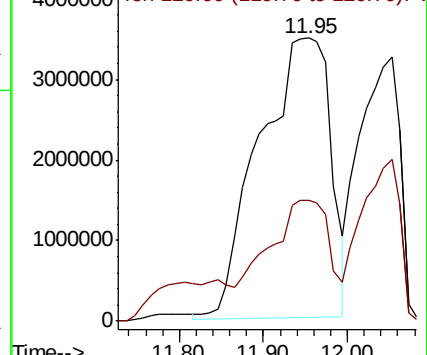
105 100

120 42.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 4511.29 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

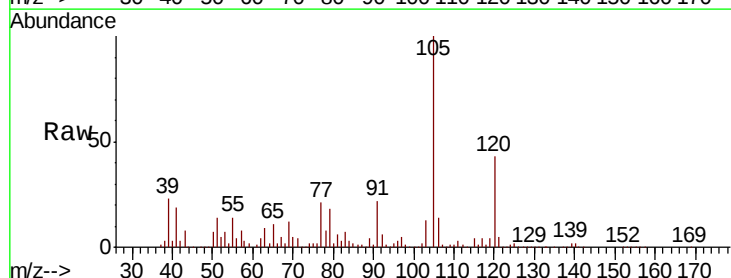
Tgt Ion: 75 Resp: 193731

Ion Ratio Lower Upper

75 100

53 414.9 87.4 131.0#

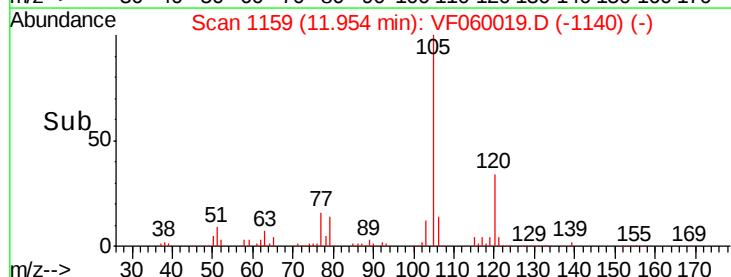
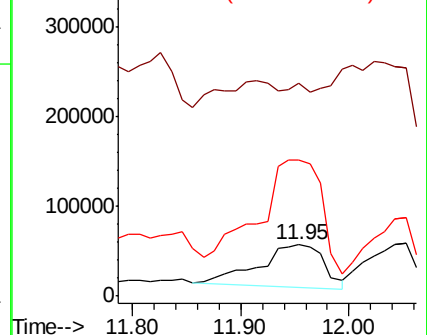
89 266.5 52.8 79.2#

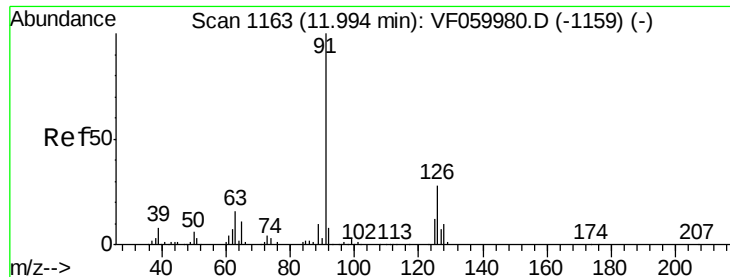


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0





#82

4-Chlorotoluene

Concen: 4571.49 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.04 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

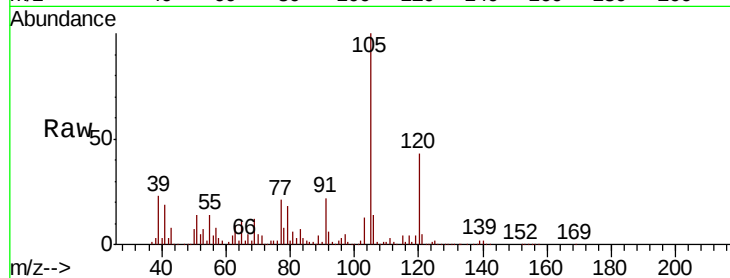
EP1-WC4-UST-0818

Tot Ion: 91 Resp: 2207479

Ion Ratio Lower Upper

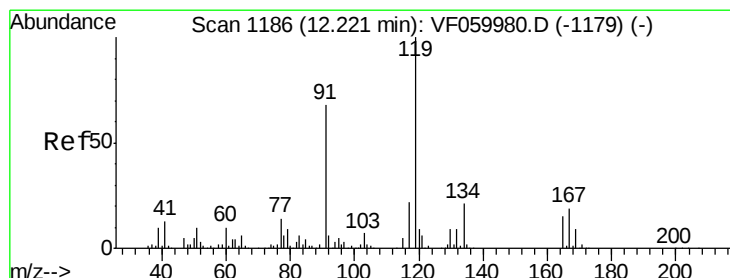
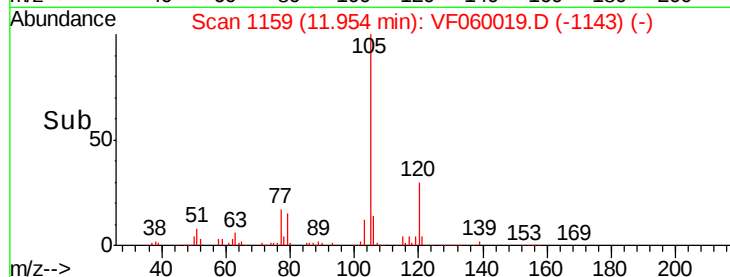
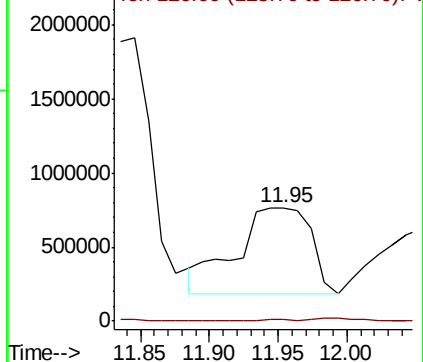
91 100

126 1.1 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#83

tert-Butylbenzene

Concen: 1630.98 ug/l

RT: 12.31 min Scan# 1195

Delta R.T. 0.09 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

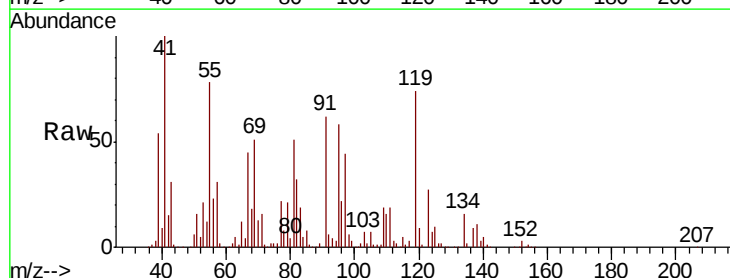
Tgt Ion: 119 Resp: 847624

Ion Ratio Lower Upper

119 100

91 83.3 34.1 102.2

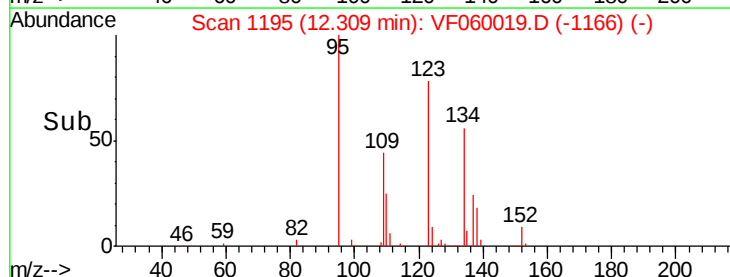
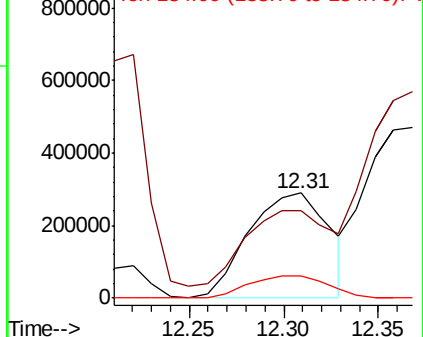
134 21.5 10.5 31.6

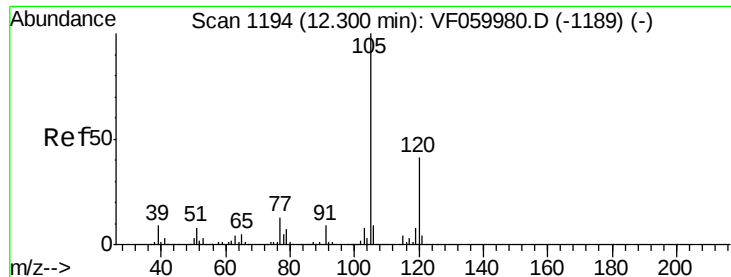


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 17351.71 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. -0.08 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

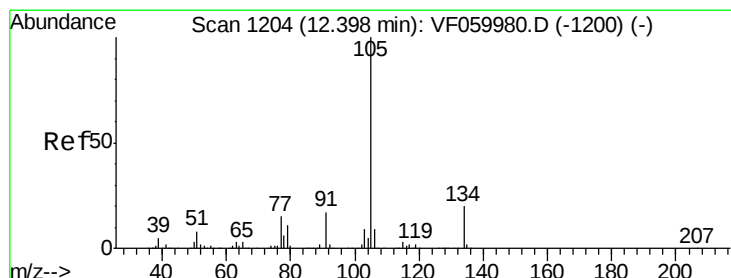
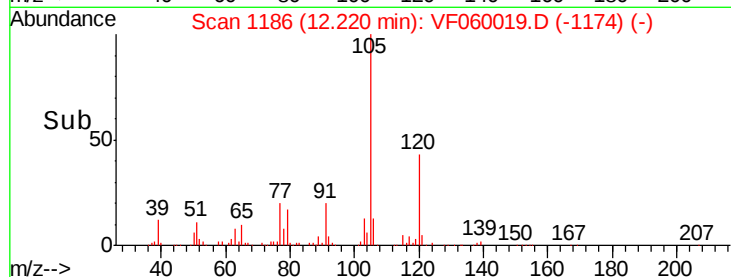
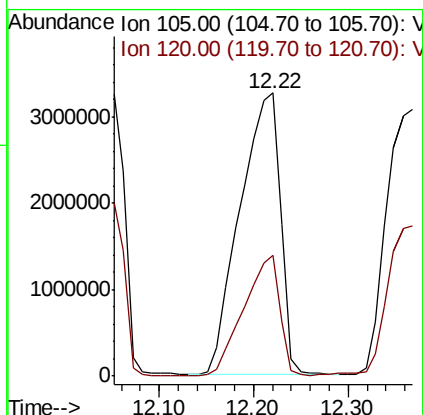
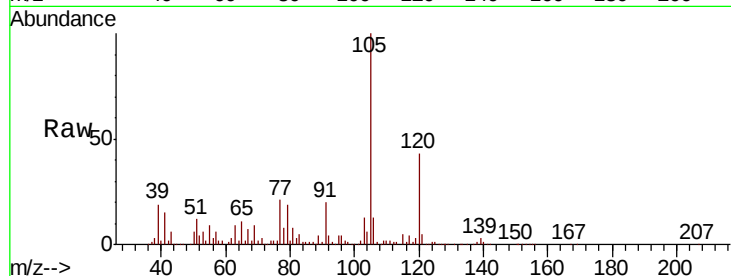
EP1-WC4-UST-0818

Tot Ion:105 Resp: 9664652

Ion Ratio Lower Upper

105 100

120 42.8 20.9 62.7



#85

sec-Butylbenzene

Concen: 23430.71 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VF060019.D

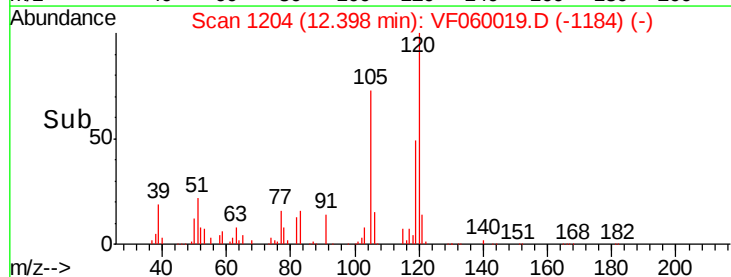
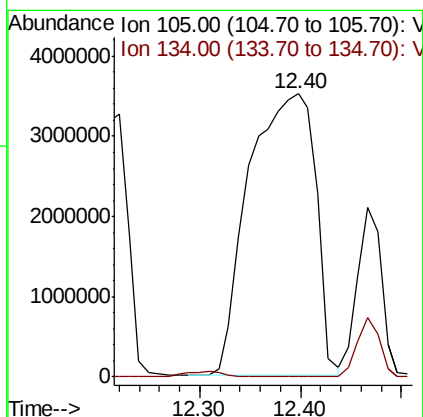
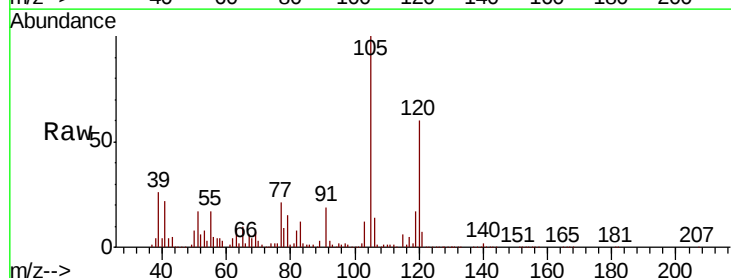
Acq: 20 Aug 2018 23:06

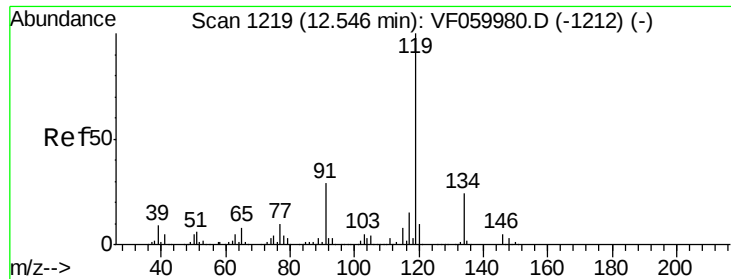
Tgt Ion:105 Resp:16096477

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.5#

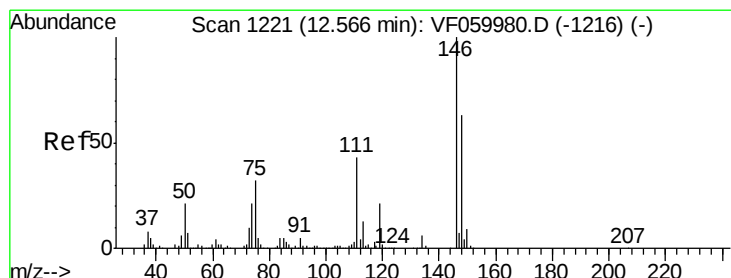
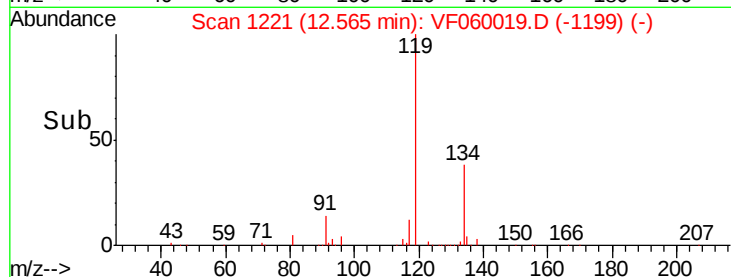
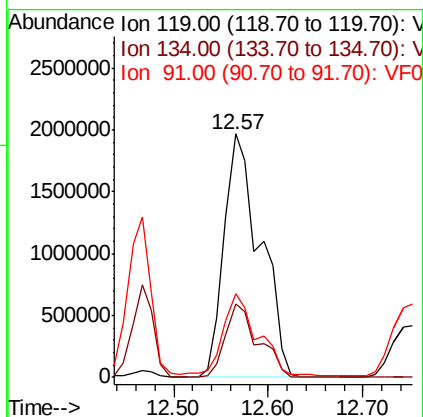
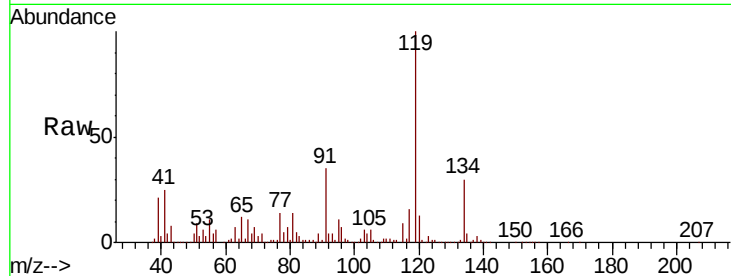




#86
p-Isopropyltoluene
Concen: 8618.92 ug/l
RT: 12.57 min Scan# 1221
Delta R.T. 0.02 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

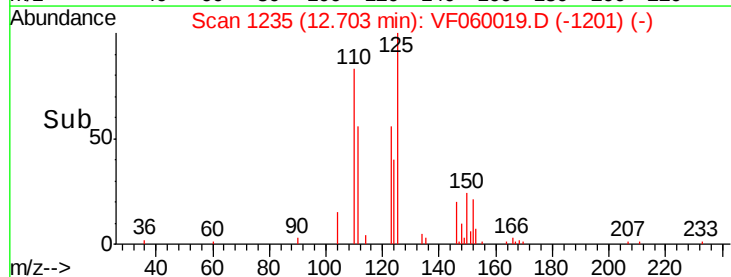
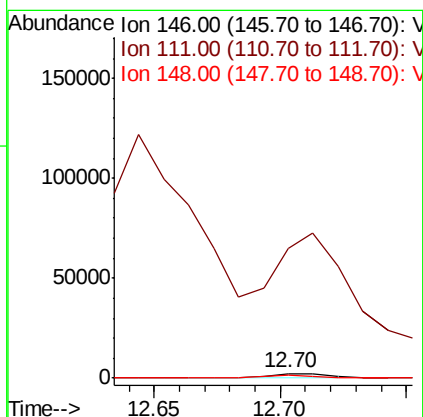
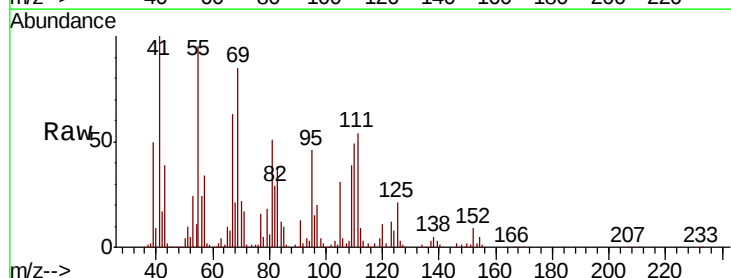
Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

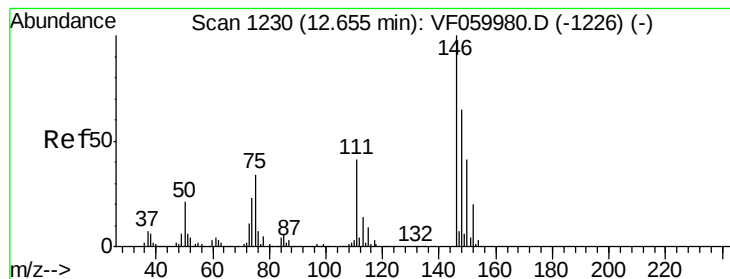
Tot Ion:119 Resp: 5236800
Ion Ratio Lower Upper
119 100
134 30.2 12.1 36.3
91 34.6 14.4 43.4



#87
1,3-Dichlorobenzene
Concen: 11.74 ug/l
RT: 12.70 min Scan# 1235
Delta R.T. 0.14 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion:146 Resp: 3657
Ion Ratio Lower Upper
146 100
111 2684.9 21.3 63.7#
148 49.8 31.6 95.0

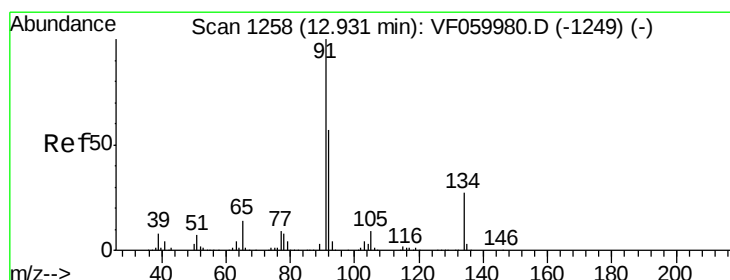
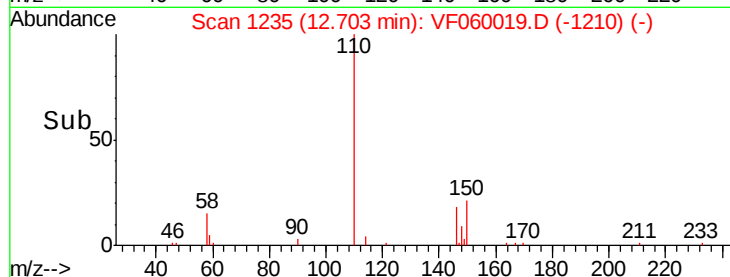
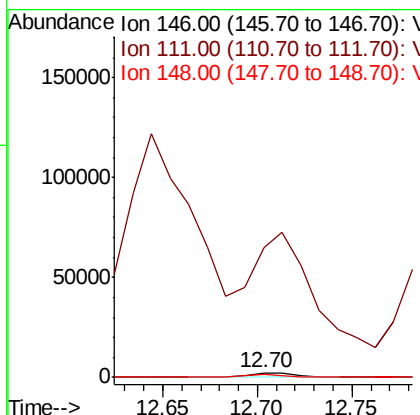
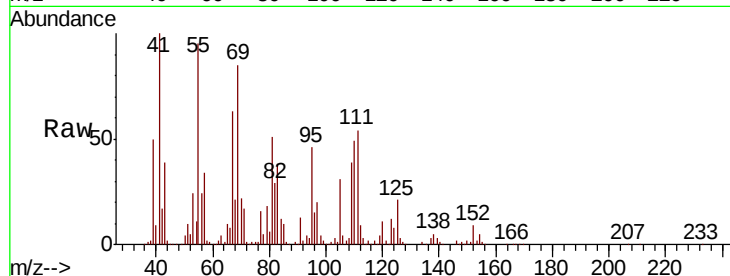




#88
 1,4-Dichlorobenzene
 Concen: 11.99 ug/l
 RT: 12.70 min Scan# 1235
 Delta R.T. 0.05 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

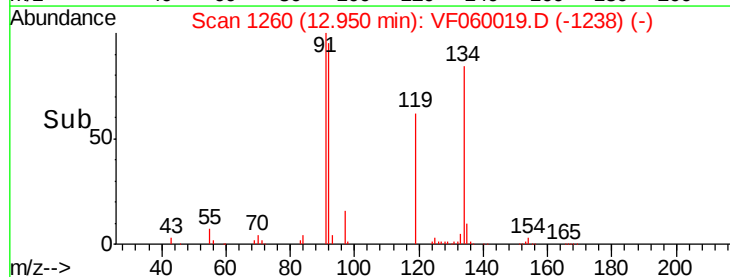
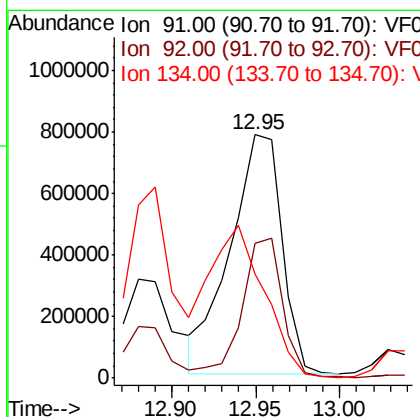
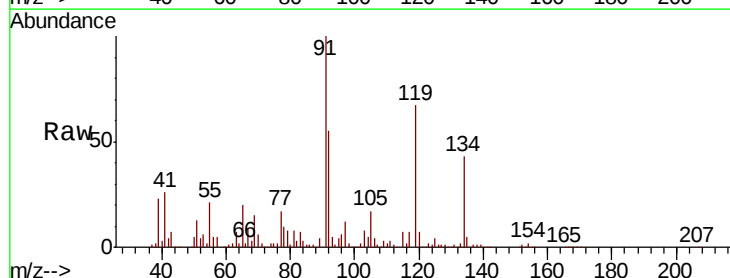
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-WC4-UST-0818

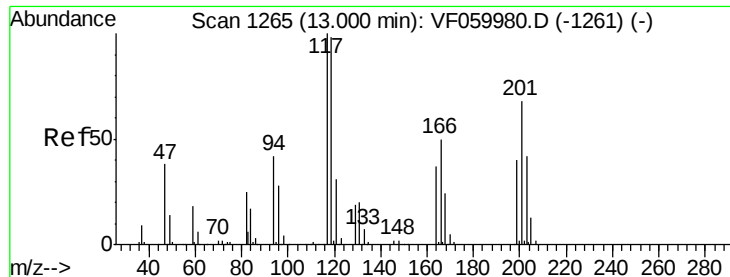
Tot Ion:146 Resp: 3657
 Ion Ratio Lower Upper
 146 100
 111 2684.9 20.3 61.0#
 148 49.8 32.6 97.8



#89
 n-Butylbenzene
 Concen: 2827.60 ug/l
 RT: 12.95 min Scan# 1260
 Delta R.T. 0.02 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

Tgt Ion: 91 Resp: 1660099
 Ion Ratio Lower Upper
 91 100
 92 55.2 28.7 86.3
 134 42.5 13.3 39.9#





#90

Hexachloroethane

Concen: 464.94 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.03 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

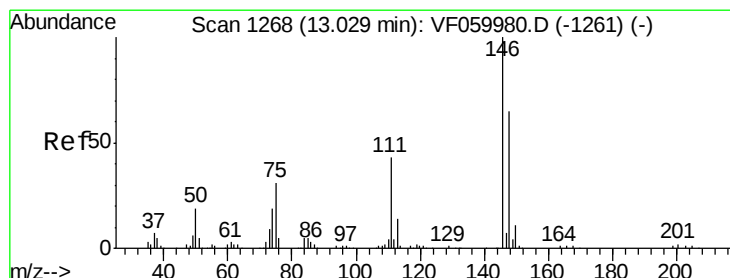
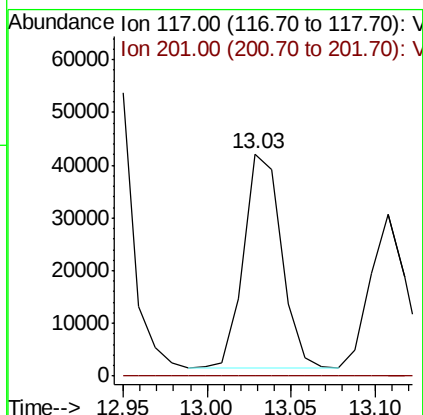
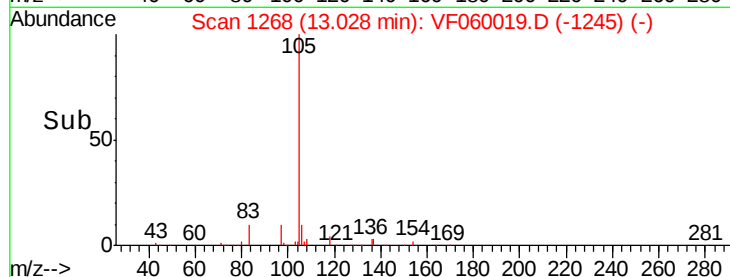
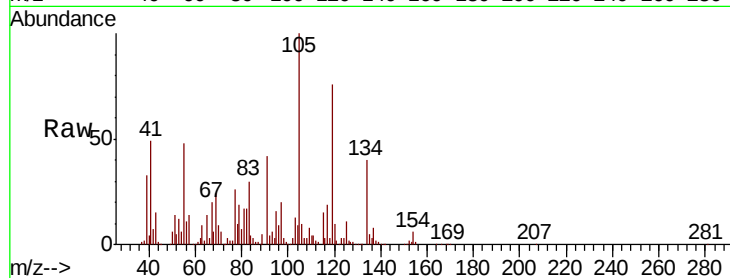
EP1-WC4-UST-0818

Tot Ion:117 Resp: 63634

Ion Ratio Lower Upper

117 100

201 0.0 34.5 103.5#



#91

1,2-Dichlorobenzene

Concen: 1.46 ug/l

RT: 13.07 min Scan# 1272

Delta R.T. 0.04 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

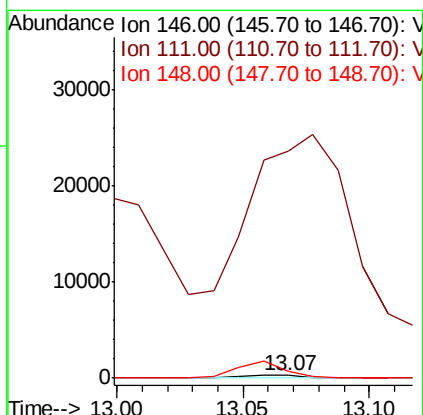
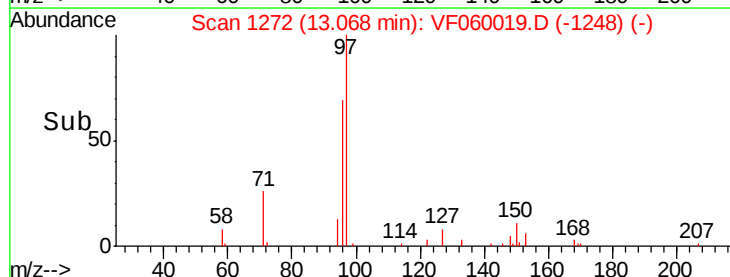
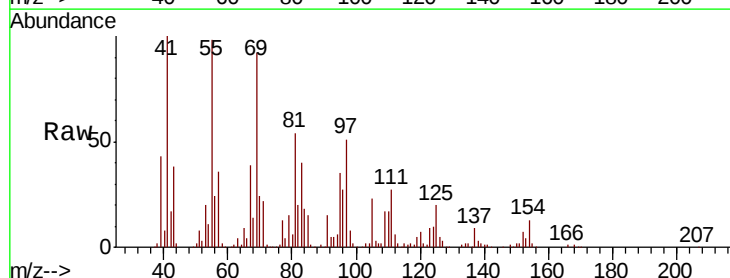
Tgt Ion:146 Resp: 436

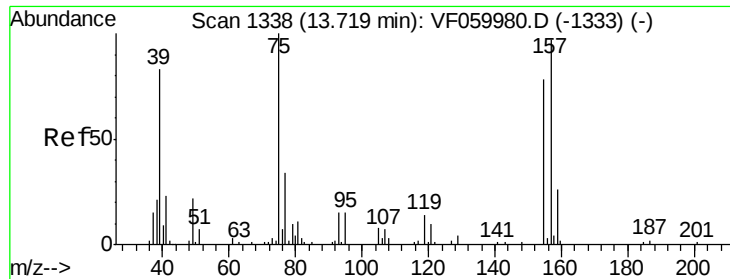
Ion Ratio Lower Upper

146 100

111 9390.5 21.4 64.3#

148 305.2 32.5 97.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 11.74 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. -0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

EP1-WC4-UST-0818

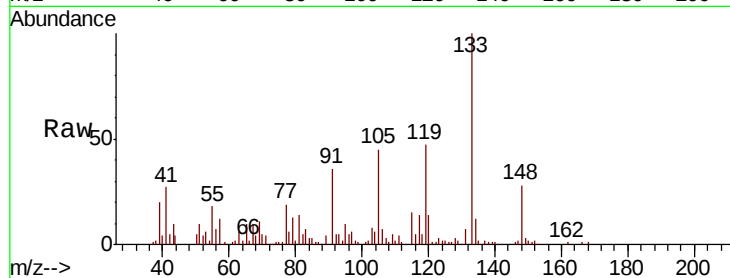
Tot Ion: 75 Resp: 373

Ion Ratio Lower Upper

75 100

155 0.0 38.9 116.7#

157 0.0 50.8 152.5#

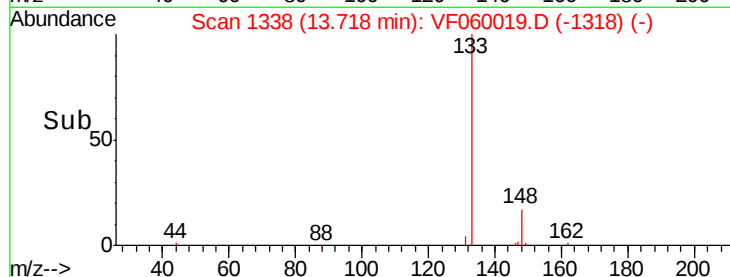


Abundance Ion 75.00 (74.70 to 75.70): VF0

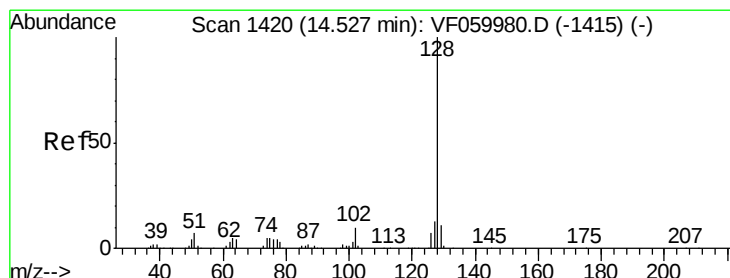
Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

Time--> 13.68 13.70 13.72 13.74



Time--> 13.68 13.70 13.72 13.74



#95

Naphthalene

Concen: 286.19 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

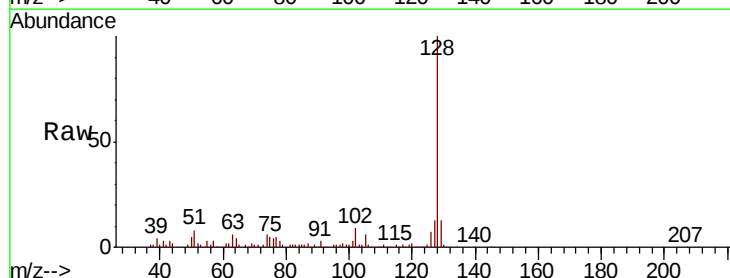
Tgt Ion: 128 Resp: 97989

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 12.6 9.0 13.4

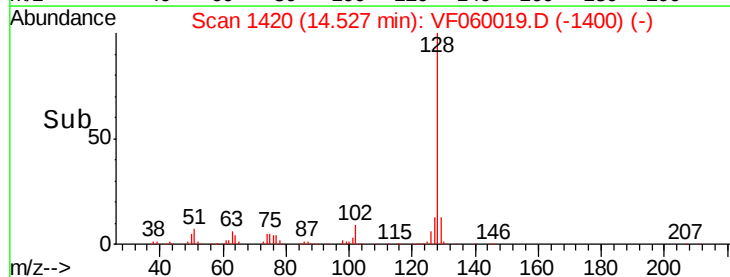


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time--> 14.40 14.50 14.60 14.70



Time--> 14.40 14.50 14.60 14.70