

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
 Data File : VU027573.D
 Acq On : 10 Oct 2018 16:23
 Operator : MD/SY
 Sample : J5326-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-2

Quant Time: Oct 11 04:05:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	148393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	250743	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	220236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94526	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	107455	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	
35) Dibromofluoromethane	4.88	113	80194	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
50) Toluene-d8	7.57	98	312734	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	10.31	95	101431	42.44	ug/l	0.00
Spiked Amount			Recovery	=	84.88%	

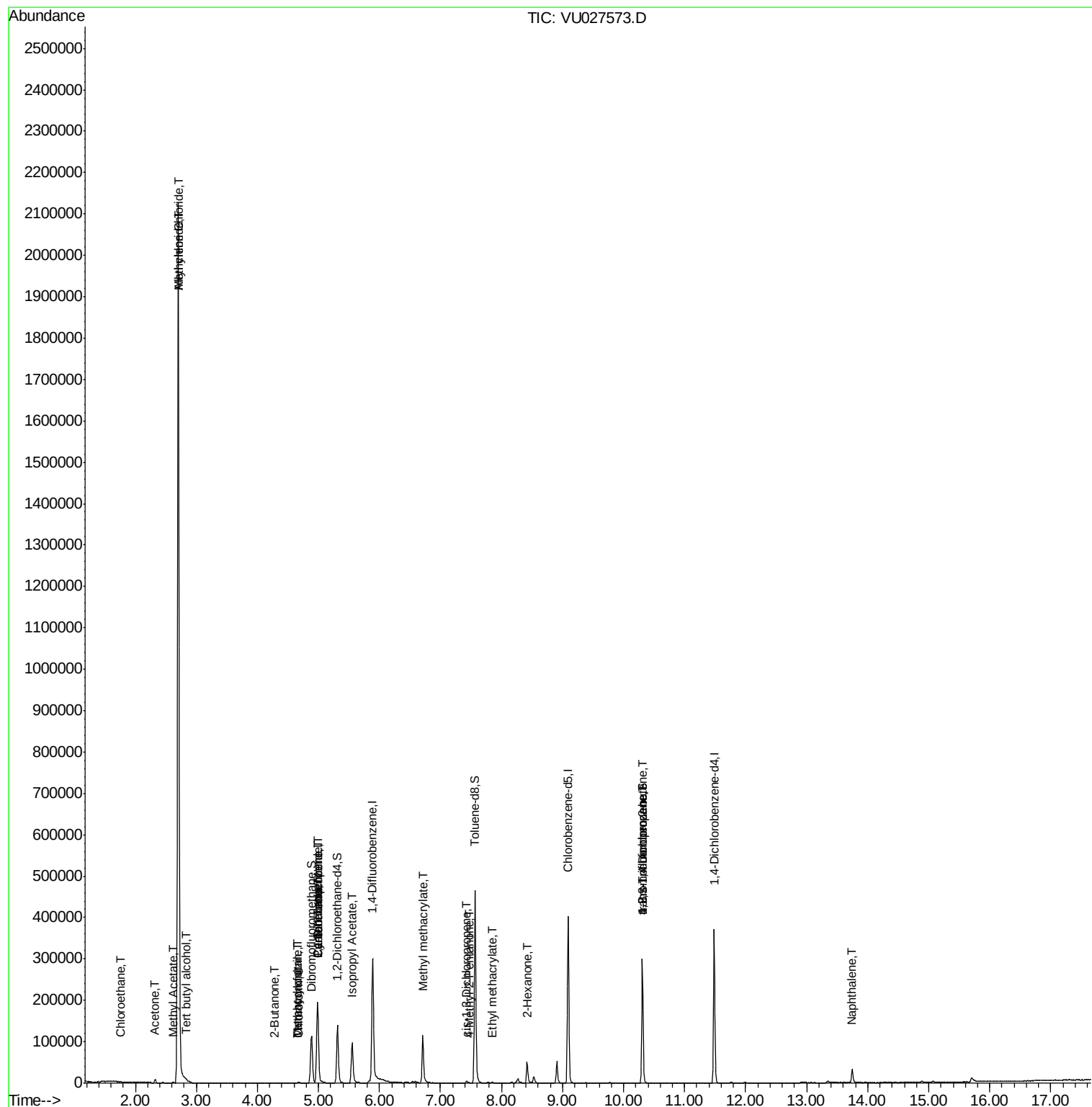
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.76	64	351	0.215	ug/l #	44
11) Tert butyl alcohol	2.84	59	111	0.213	ug/l #	72
14) Allyl chloride	2.70	41	44346	11.914	ug/l #	26
16) Acetone	2.32	43	8643	5.904	ug/l	92
18) Methyl Acetate	2.62	43	3448	1.033	ug/l	91
20) Methylene Chloride	2.70	84	916523	449.481	ug/l	94
25) 2-Butanone	4.28	43	1276	0.639	ug/l #	54
29) Tetrahydrofuran	4.66	42	812	0.645	ug/l #	52
30) Chloroform	4.68	83	1254	0.363	ug/l	88
31) Cyclohexane	4.99	56	3329	0.603	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	12224	4.490	ug/l #	50
38) Carbon Tetrachloride	4.98	117	14563	5.922	ug/l #	18
41) Methacrylonitrile	4.66	41	398	0.200	ug/l #	42
43) Isopropyl Acetate	5.55	43	122598	22.435	ug/l	99
48) Methyl methacrylate	6.71	41	10579	3.893	ug/l #	45
51) 4-Methyl-2-Pentanone	7.47	43	975	0.275	ug/l #	77
54) cis-1,3-Dichloropropene	7.42	75	722	0.214	ug/l #	53
56) Ethyl methacrylate	7.84	69	142	2.310	ug/l #	2
59) 2-Hexanone	8.42	43	7542	2.738	ug/l #	53
76) 1,2,3-Trichloropropane	10.31	75	51388	20.972	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	51388	54.886	ug/l #	100
95) Naphthalene	13.75	128	28150	5.468	ug/l	99

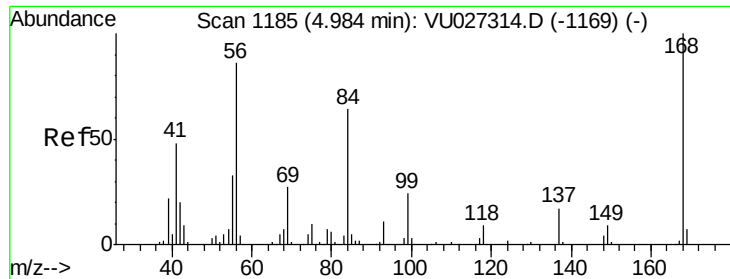
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027573.D

Acq: 10 Oct 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

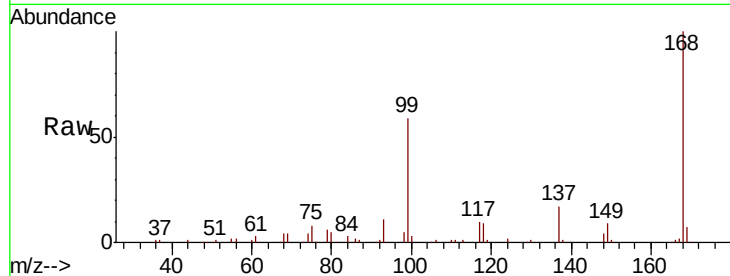
FL-PIT-2

Tgt Ion:168 Resp: 148393

Ion Ratio Lower Upper

168 100

99 58.5 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

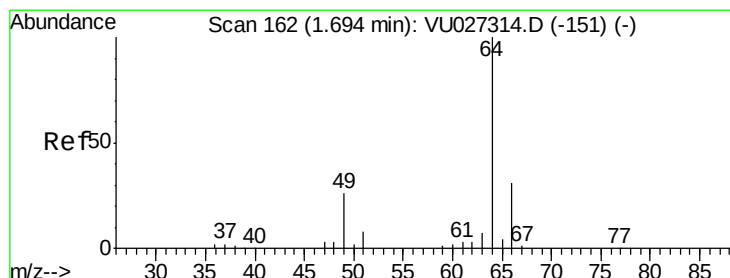
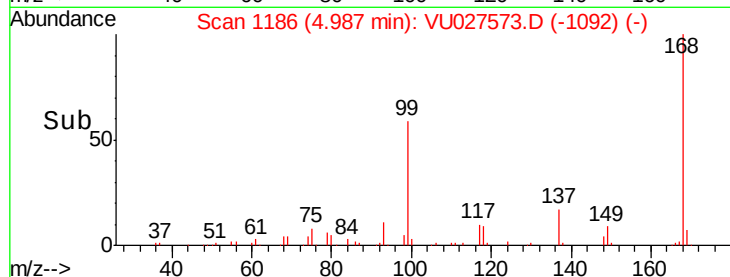
40000

20000

0

Time-->

4.90 4.95 5.00 5.05



#6

Chloroethane

Concen: 0.215 ug/l

RT: 1.76 min Scan# 182

Delta R.T. 0.06 min

Lab File: VU027573.D

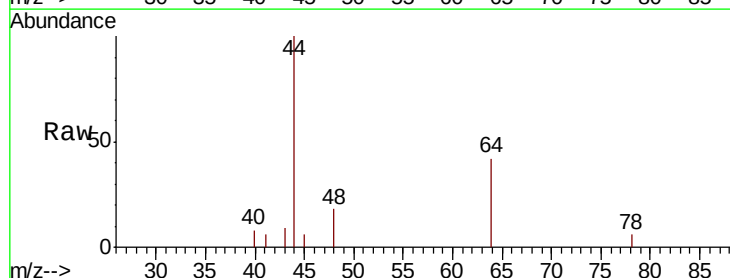
Acq: 10 Oct 2018 16:23

Tgt Ion: 64 Resp: 351

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)

1.76

800

600

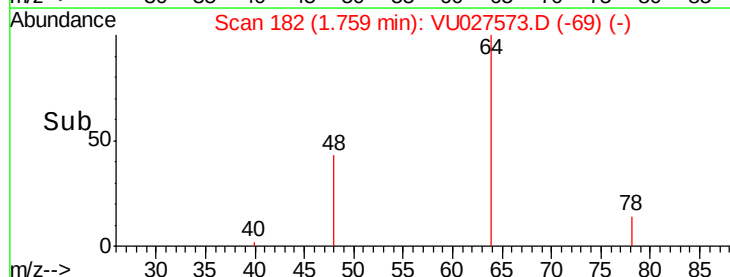
400

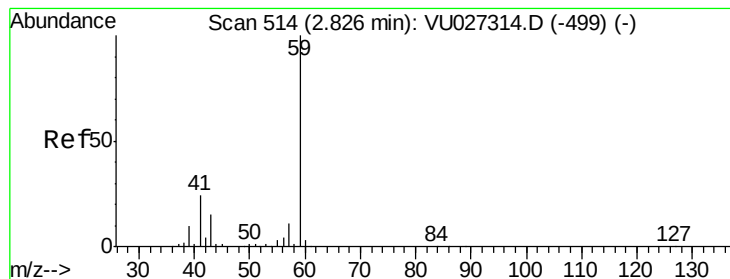
200

0

Time-->

1.74 1.76 1.78 1.80



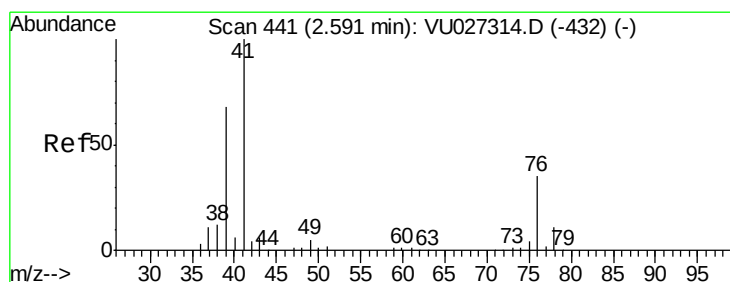
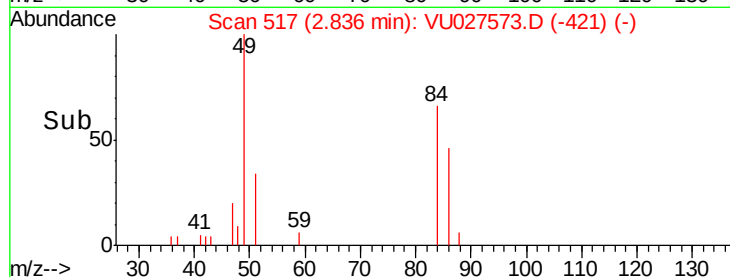
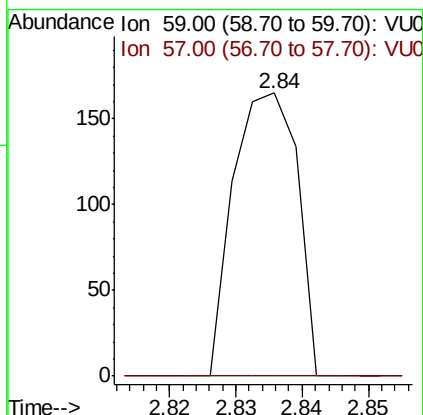
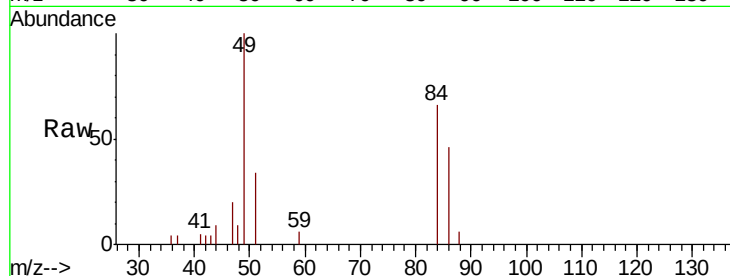


#11

Tert butyl alcohol
 Concen: 0.213 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU027573.D
 Acq: 10 Oct 2018 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-2

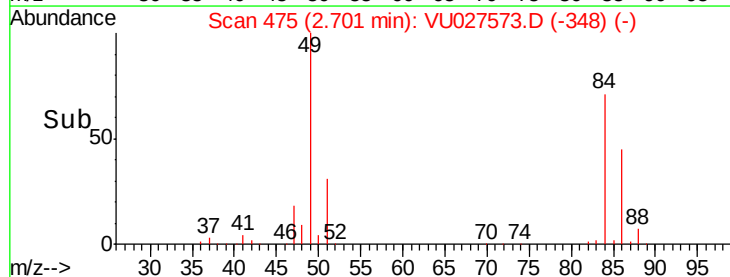
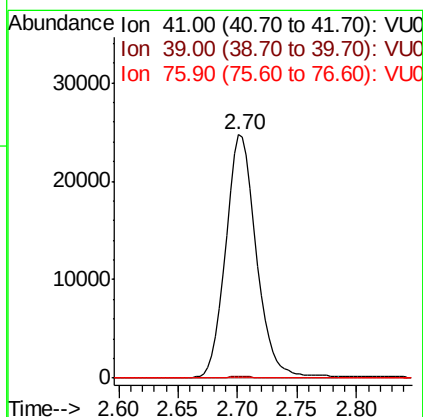
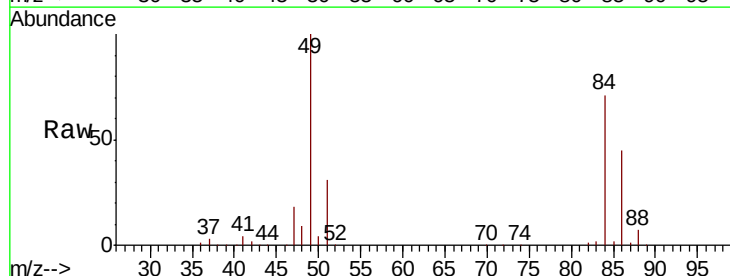
Tgt Ion: 59 Resp: 111
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

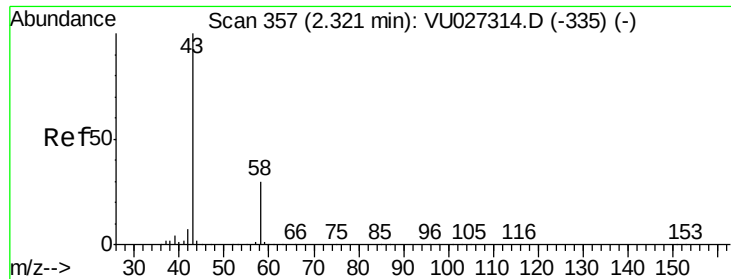


#14

Allyl chloride
 Concen: 11.914 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.11 min
 Lab File: VU027573.D
 Acq: 10 Oct 2018 16:23

Tgt Ion: 41 Resp: 44346
 Ion Ratio Lower Upper
 41 100
 39 0.4 51.8 77.8#
 76 0.0 25.9 38.9#





#16

Acetone

Concen: 5.904 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027573.D

Acq: 10 Oct 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

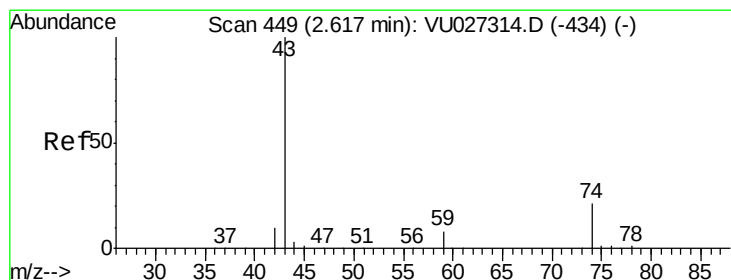
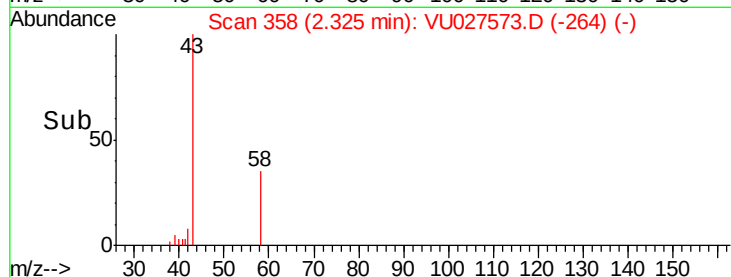
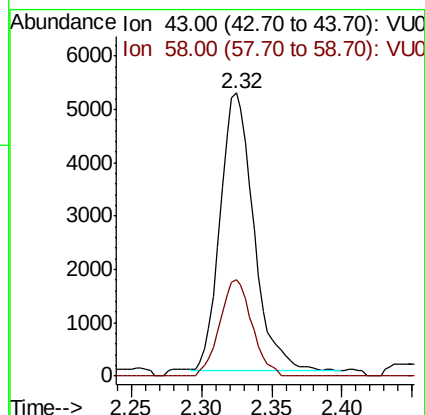
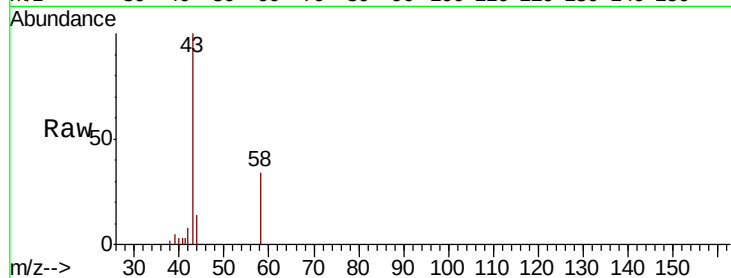
FL-PIT-2

Tgt Ion: 43 Resp: 8643

Ion Ratio Lower Upper

43 100

58 34.6 24.2 36.4



#18

Methyl Acetate

Concen: 1.033 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027573.D

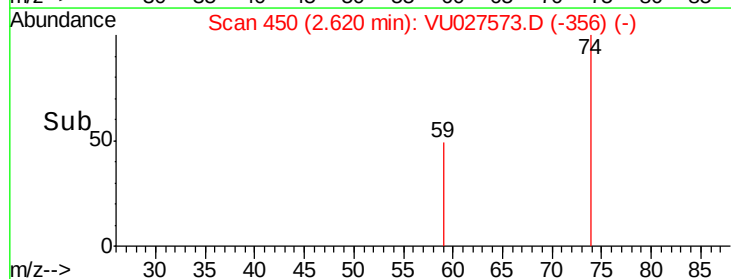
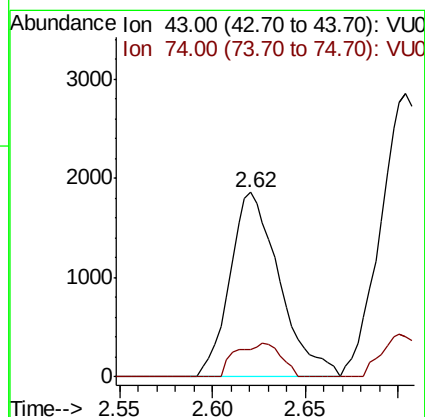
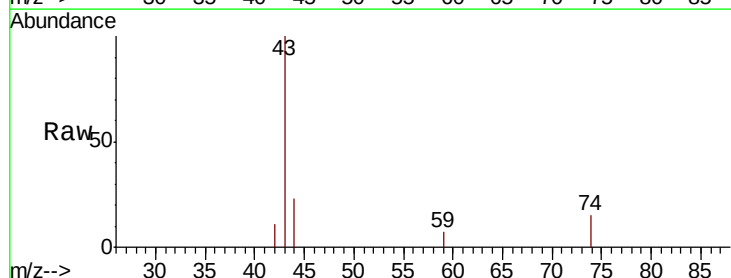
Acq: 10 Oct 2018 16:23

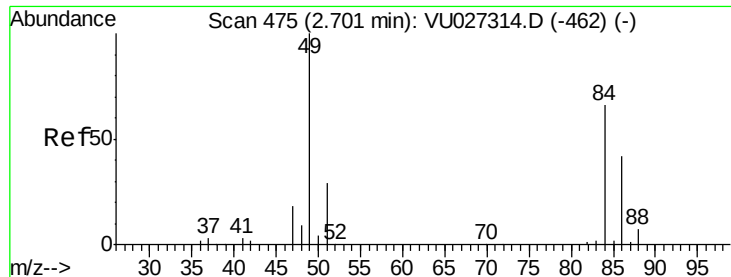
Tgt Ion: 43 Resp: 3448

Ion Ratio Lower Upper

43 100

74 16.6 16.5 24.7

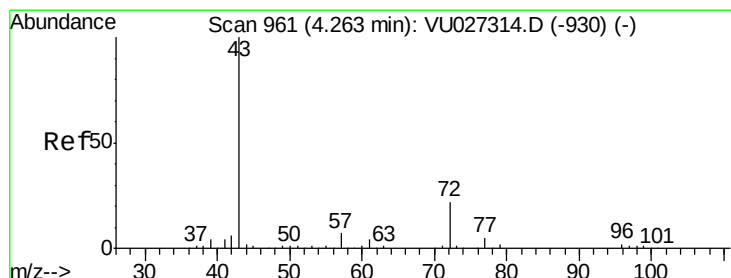
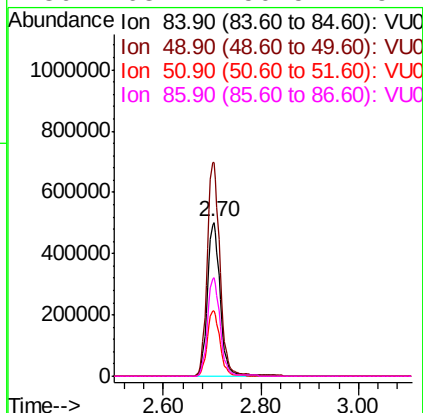
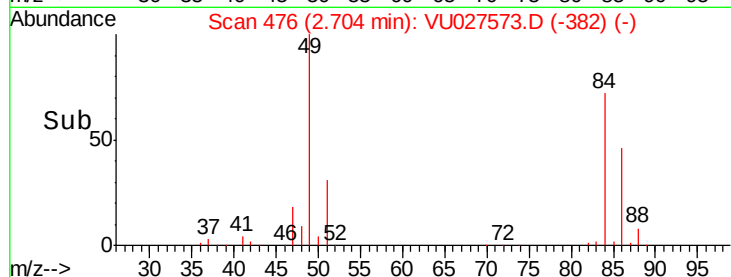
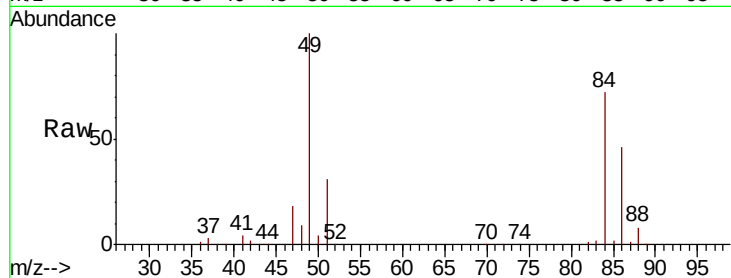




#20
Methylene Chloride
Concen: 449.481 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

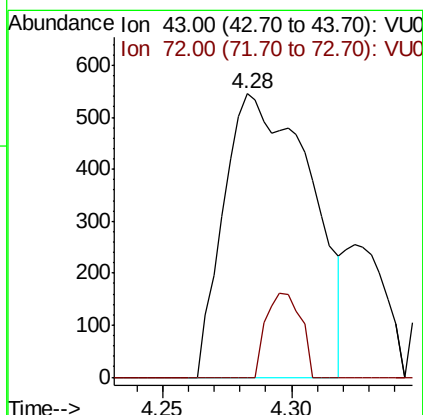
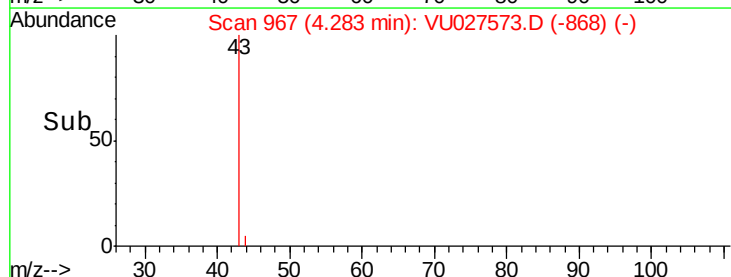
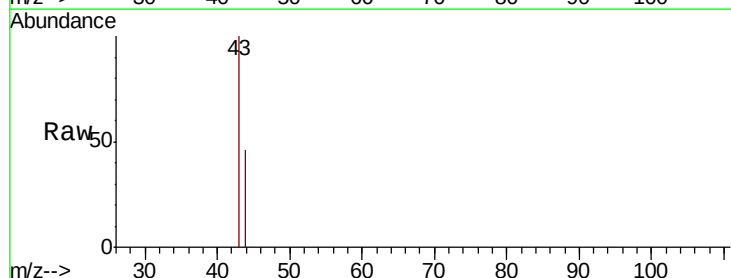
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-2

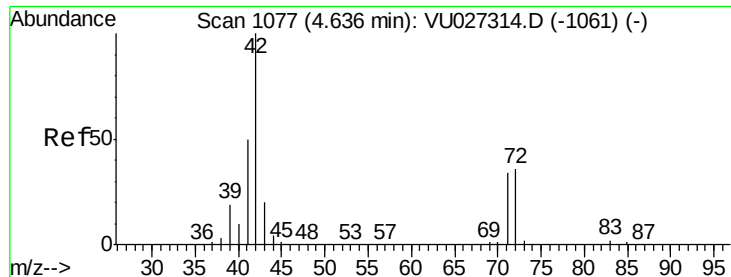
Tgt Ion: 84 Resp: 916523
Ion Ratio Lower Upper
84 100
49 138.5 120.5 180.7
51 42.6 35.1 52.7
86 63.7 50.5 75.7



#25
2-Butanone
Concen: 0.639 ug/l
RT: 4.28 min Scan# 967
Delta R.T. 0.02 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

Tgt Ion: 43 Resp: 1276
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.6#





#29

Tetrahydrofuran

Concen: 0.645 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VU027573.D

Acq: 10 Oct 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

FL-PIT-2

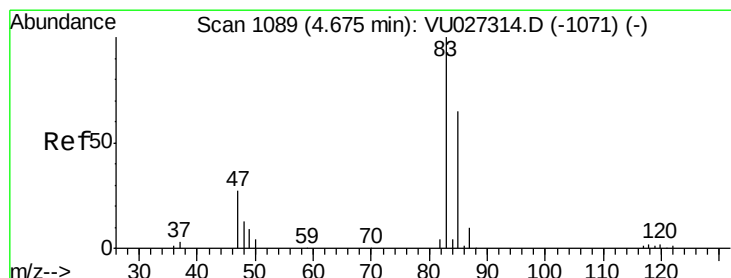
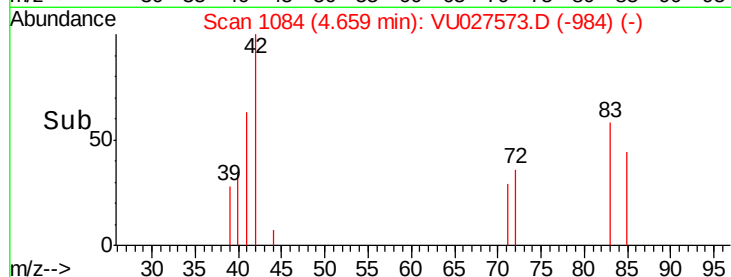
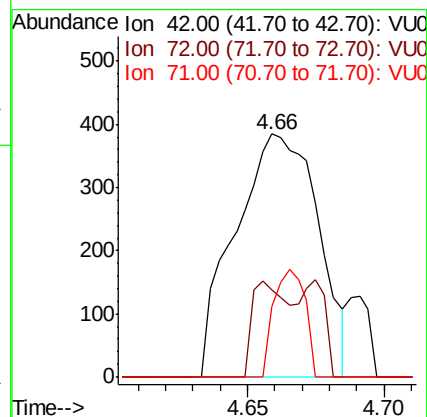
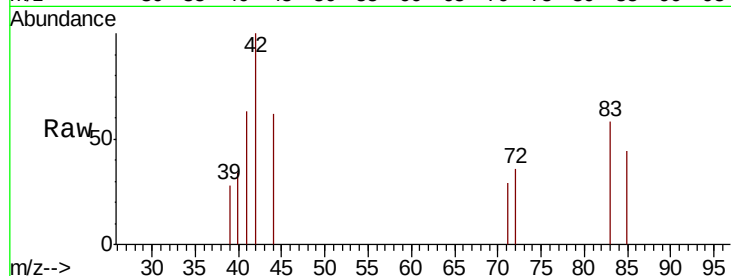
Tgt Ion: 42 Resp: 812

Ion Ratio Lower Upper

42 100

72 15.9 30.1 45.1#

71 0.0 27.7 41.5#



#30

Chloroform

Concen: 0.363 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU027573.D

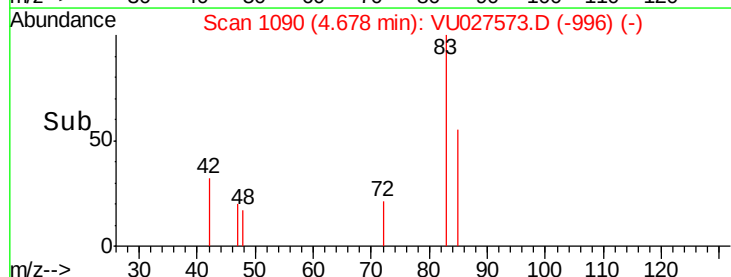
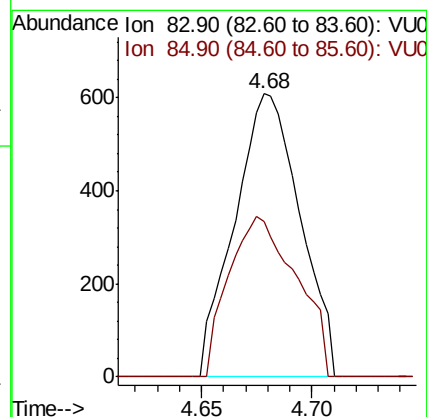
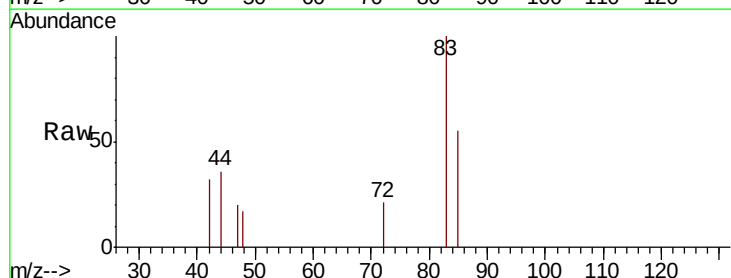
Acq: 10 Oct 2018 16:23

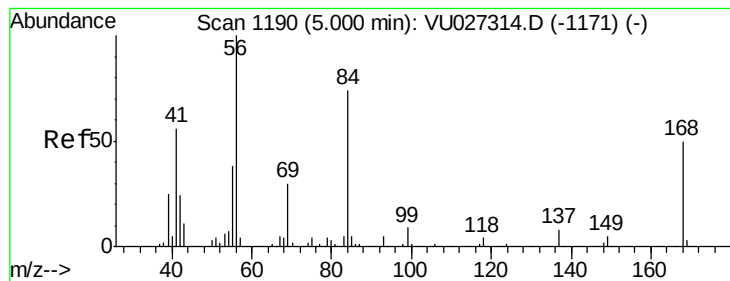
Tgt Ion: 83 Resp: 1254

Ion Ratio Lower Upper

83 100

85 55.1 51.8 77.6





#31

Cyclohexane

Concen: 0.603 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027573.D

Acq: 10 Oct 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

FL-PIT-2

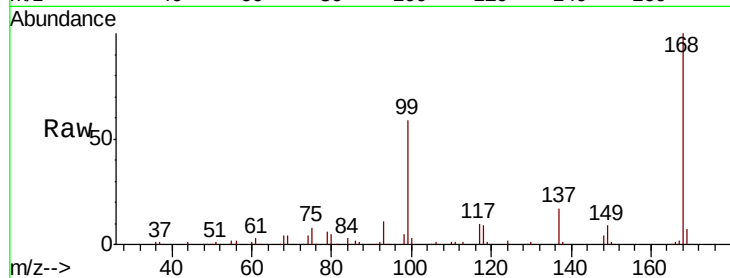
Tgt Ion: 56 Resp: 3329

Ion Ratio Lower Upper

56 100

69 168.1 24.1 36.1#

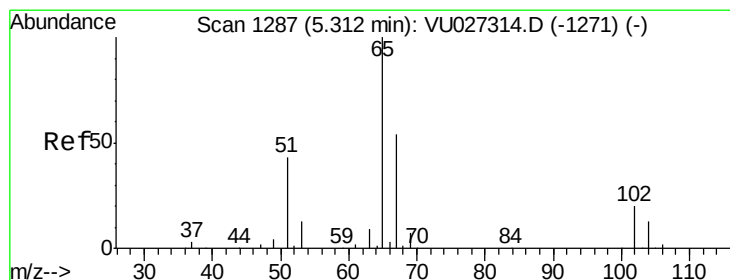
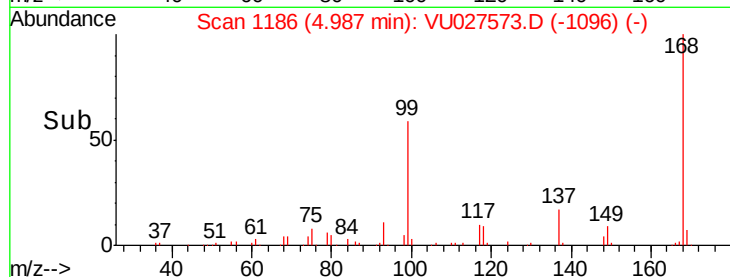
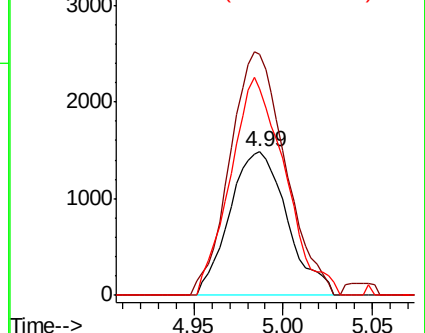
84 144.5 59.1 88.7#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 43.365 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027573.D

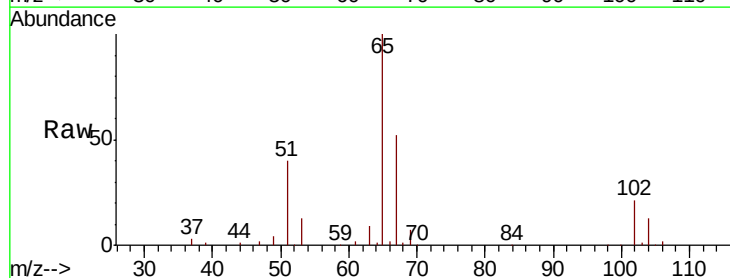
Acq: 10 Oct 2018 16:23

Tgt Ion: 65 Resp: 107455

Ion Ratio Lower Upper

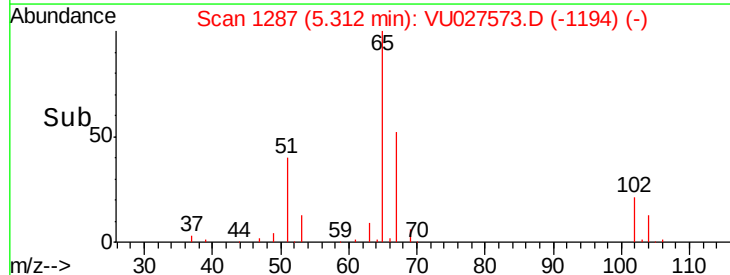
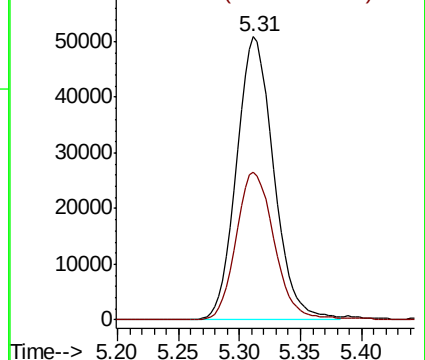
65 100

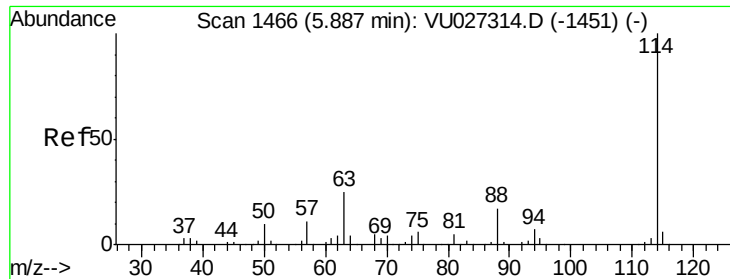
67 54.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

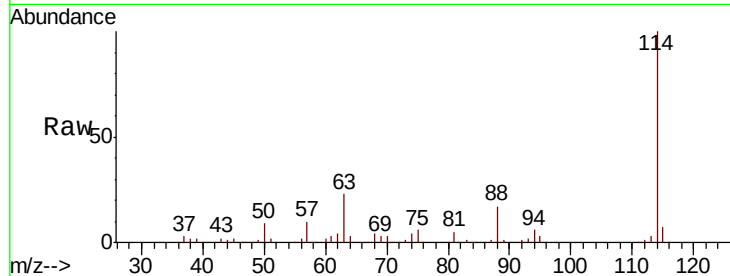




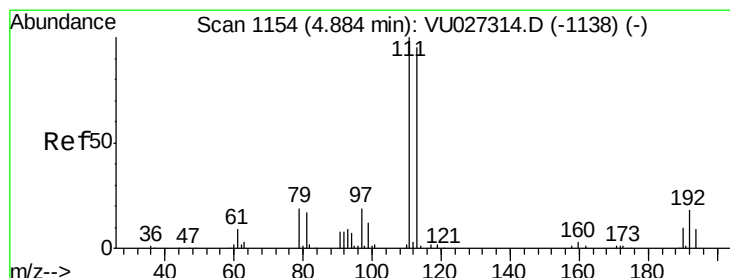
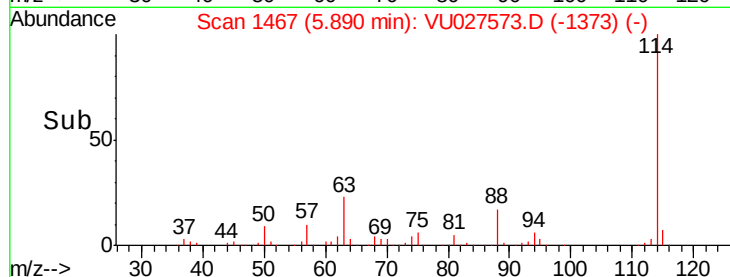
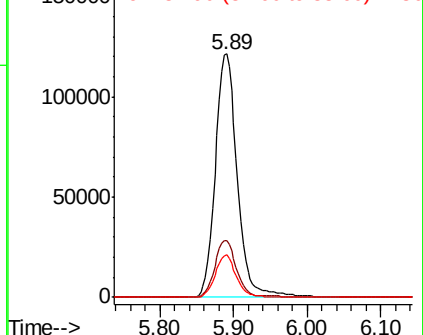
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027573.D
 Acq: 10 Oct 2018 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-2

Tgt Ion:114 Resp: 250743
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 50.2
 88 17.4 0.0 33.8

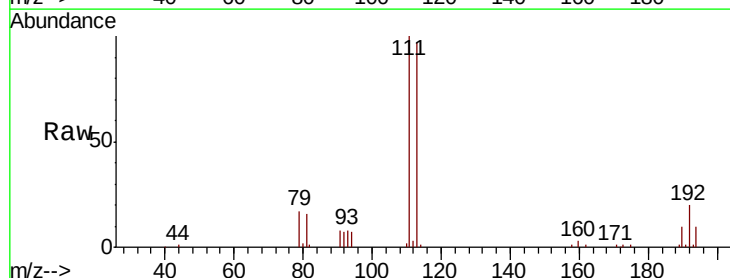


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

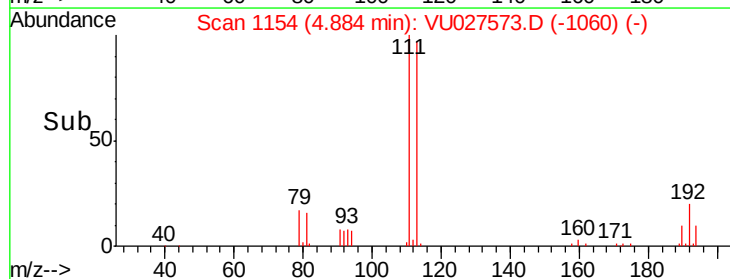
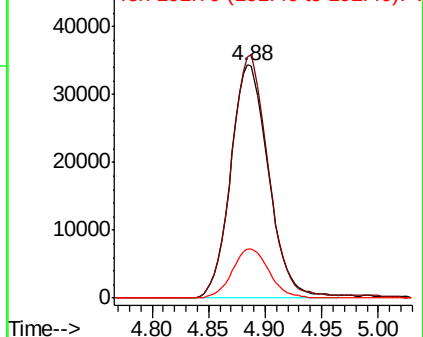


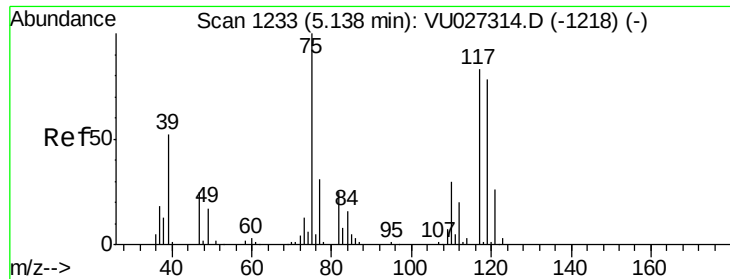
#35
 Dibromofluoromethane
 Concen: 46.667 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027573.D
 Acq: 10 Oct 2018 16:23

Tgt Ion:113 Resp: 80194
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.1 124.7
 192 20.6 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.490 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027573.D

Acq: 10 Oct 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

FL-PIT-2

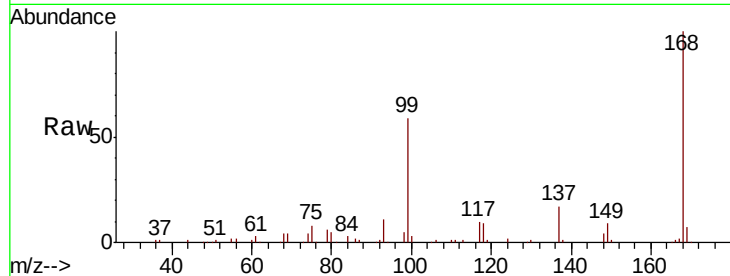
Tgt Ion: 75 Resp: 12224

Ion Ratio Lower Upper

75 100

110 7.2 15.5 46.5#

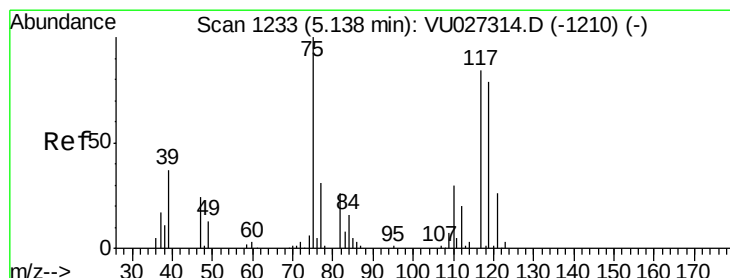
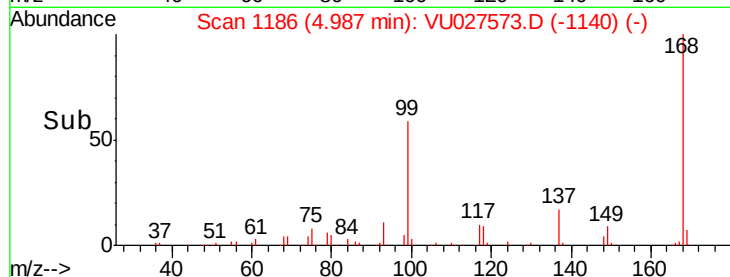
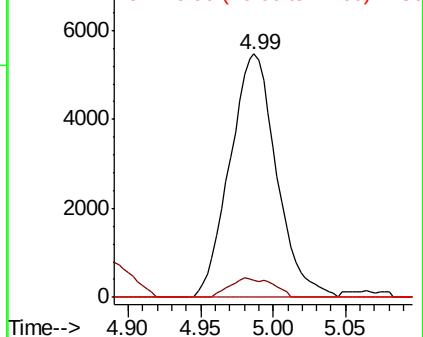
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0



#38

Carbon Tetrachloride

Concen: 5.922 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027573.D

Acq: 10 Oct 2018 16:23

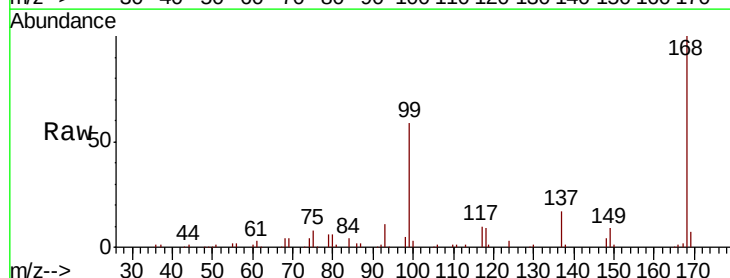
Tgt Ion: 117 Resp: 14563

Ion Ratio Lower Upper

117 100

119 5.6 74.5 111.7#

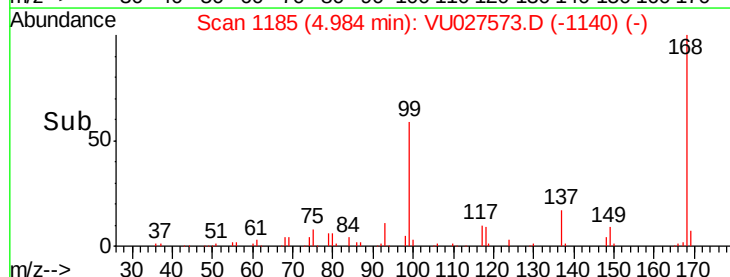
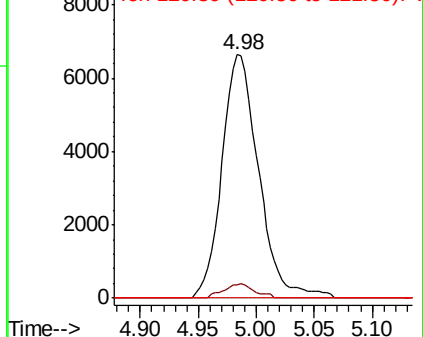
121 0.0 24.6 37.0#

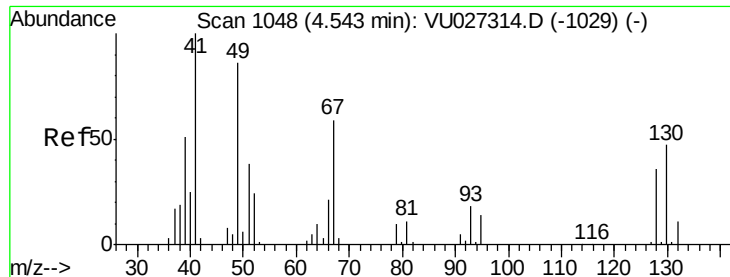


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

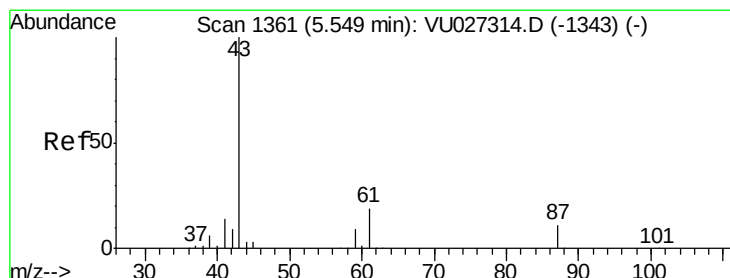
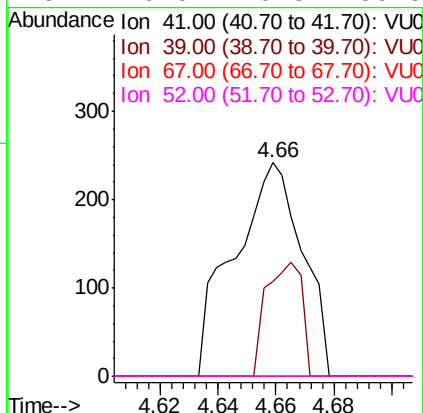
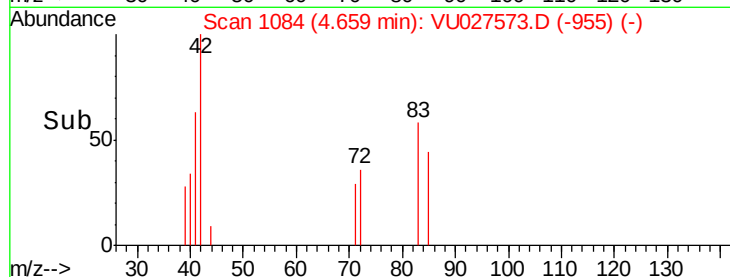
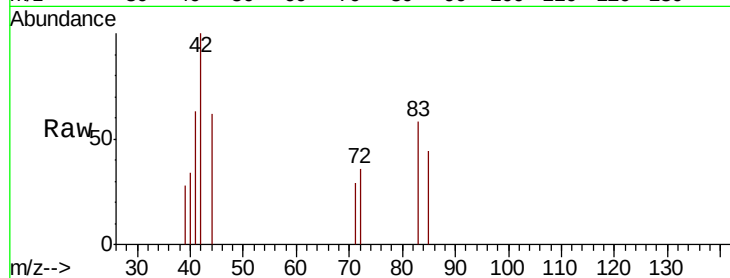




#41
Methacrylonitrile
Concen: 0.200 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.12 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

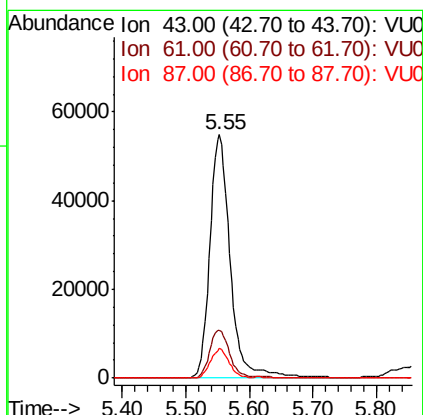
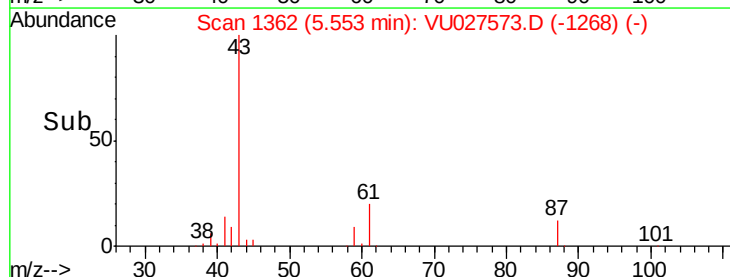
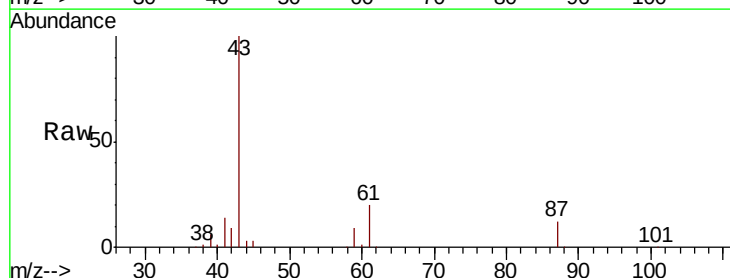
Instrument :
MSVOA_U
ClientSampled :
FL-PIT-2

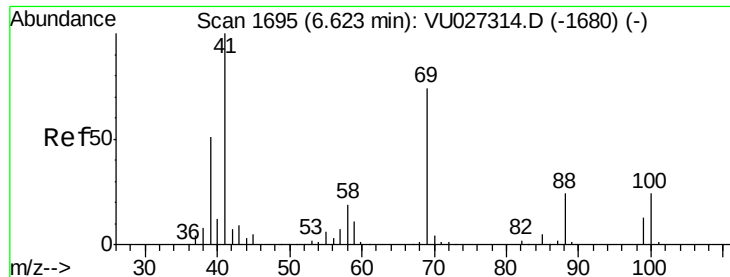
Tgt Ion: 41 Resp: 398
Ion Ratio Lower Upper
41 100
39 27.6 41.1 61.7#
67 0.0 50.4 75.6#
52 0.0 20.3 30.5#



#43
Isopropyl Acetate
Concen: 22.435 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

Tgt Ion: 43 Resp: 122598
Ion Ratio Lower Upper
43 100
61 19.8 15.3 22.9
87 11.0 8.6 13.0

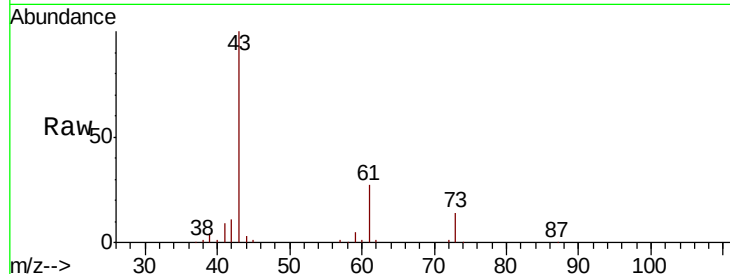




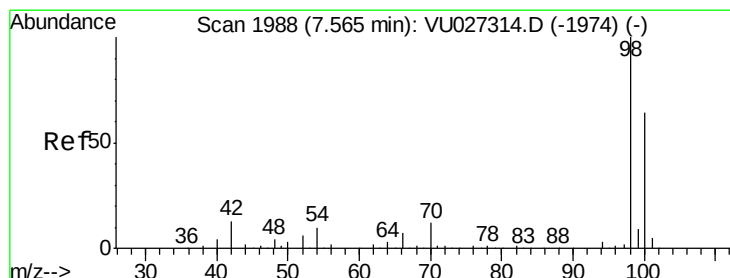
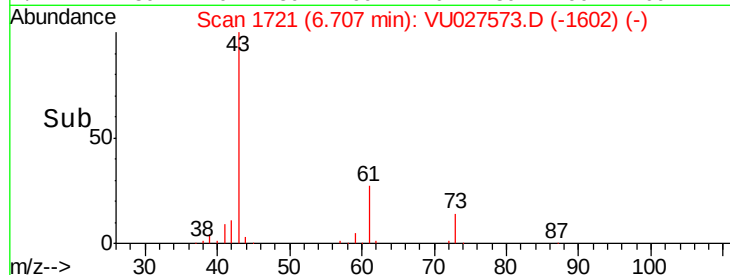
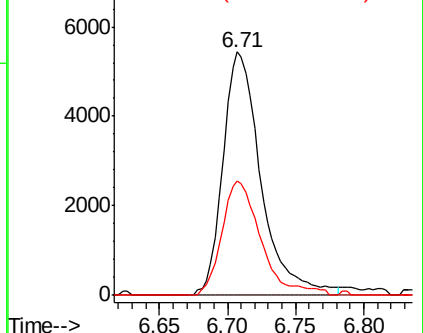
#48
Methyl methacrylate
Concen: 3.893 ug/l
RT: 6.71 min Scan# 1721
Delta R.T. 0.08 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-2

Tgt Ion: 41 Resp: 10579
Ion Ratio Lower Upper
41 100
69 0.0 61.0 91.4#
39 47.9 39.9 59.9

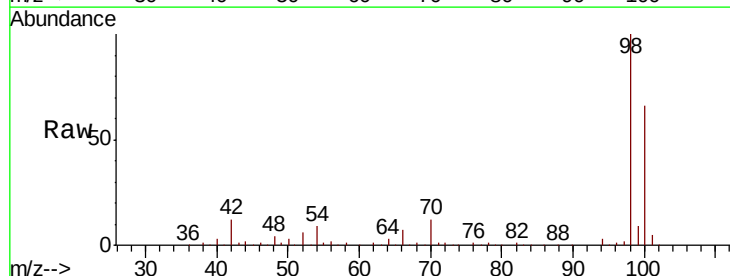


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

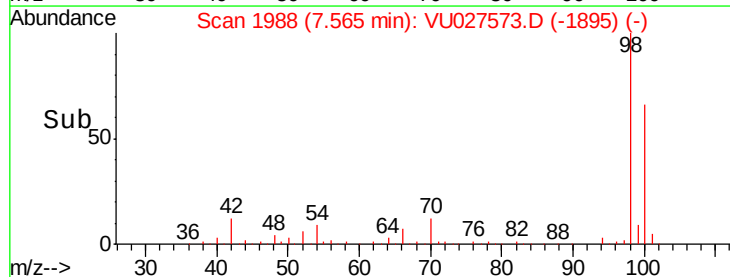
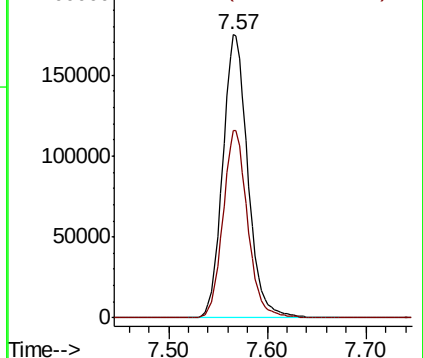


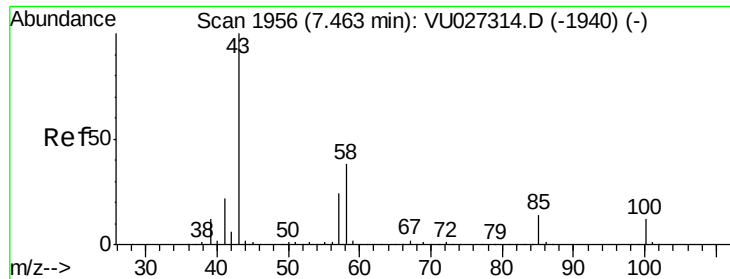
#50
Toluene-d8
Concen: 48.625 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

Tgt Ion: 98 Resp: 312734
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

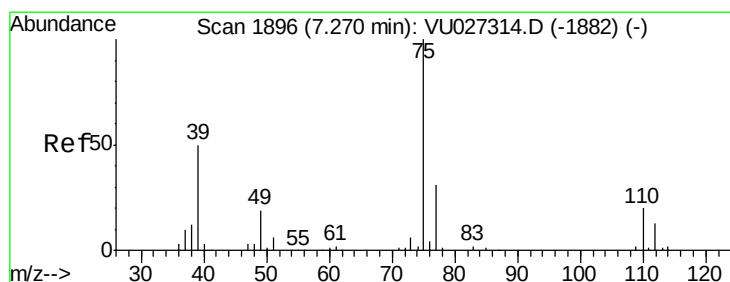
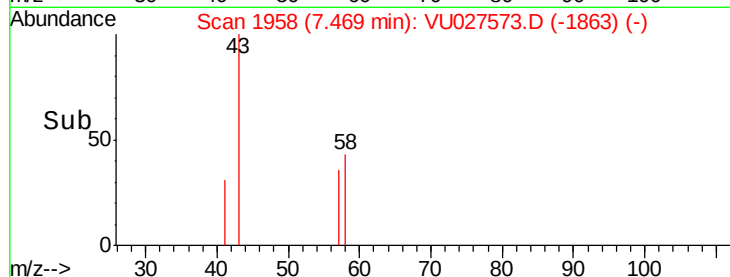
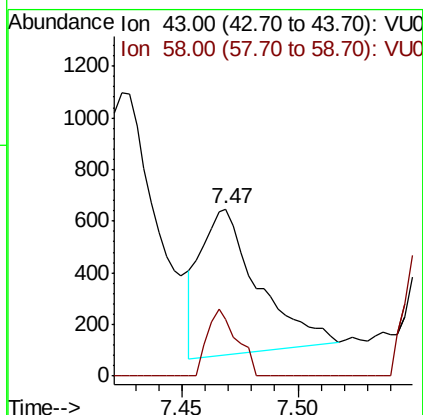
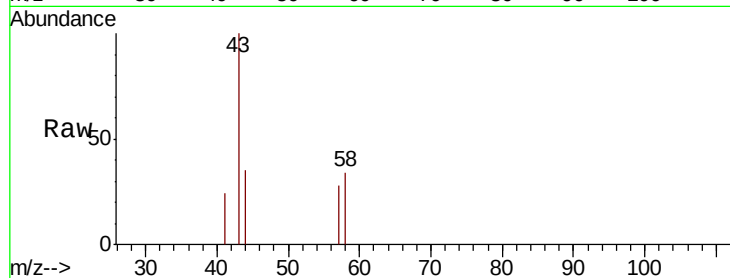




#51
 4-Methyl-2-Pentanone
 Concen: 0.275 ug/l
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: VU027573.D
 Acq: 10 Oct 2018 16:23

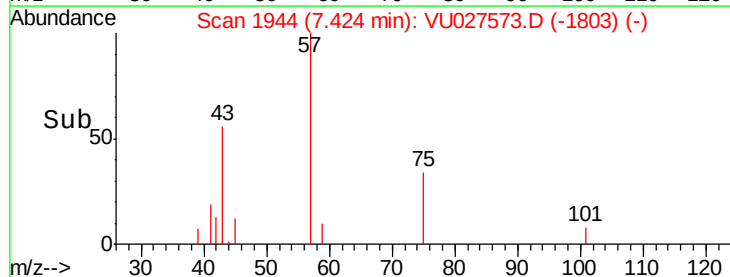
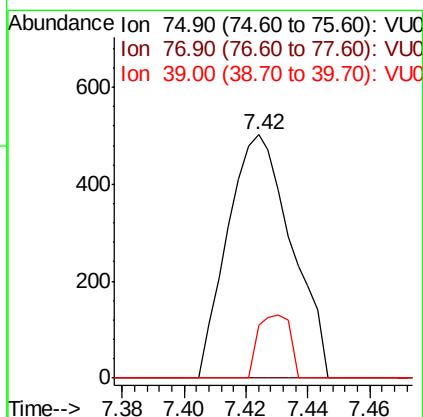
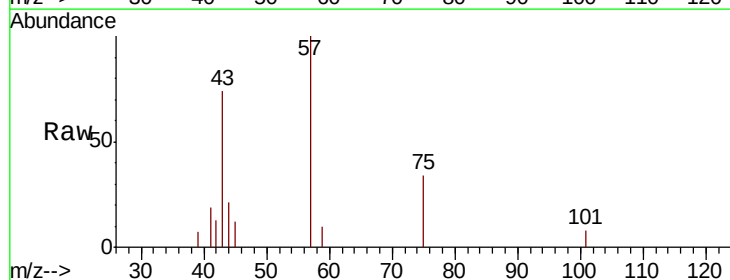
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-2

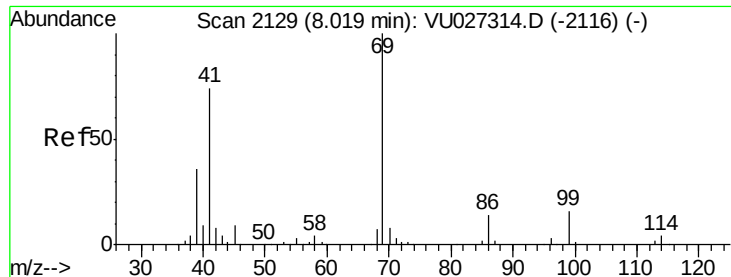
Tgt Ion: 43 Resp: 975
 Ion Ratio Lower Upper
 43 100
 58 23.7 29.8 44.8#



#54
 cis-1,3-Dichloropropene
 Concen: 0.214 ug/l
 RT: 7.42 min Scan# 1944
 Delta R.T. 0.15 min
 Lab File: VU027573.D
 Acq: 10 Oct 2018 16:23

Tgt Ion: 75 Resp: 722
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.5 36.7#
 39 21.7 40.1 60.1#

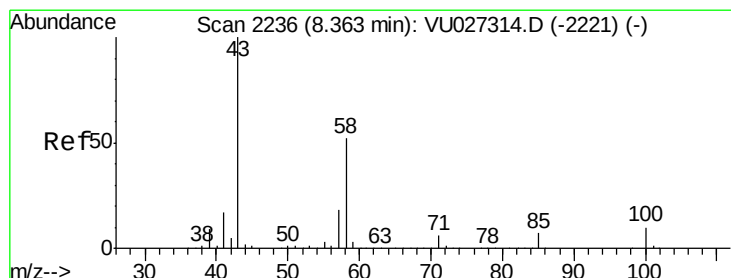
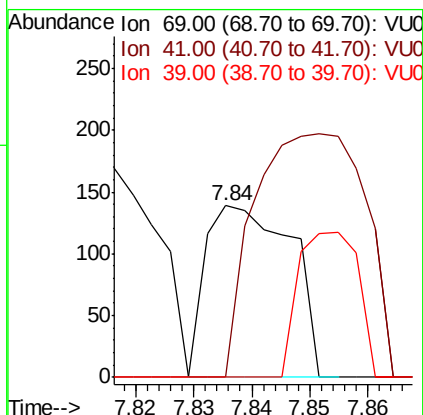
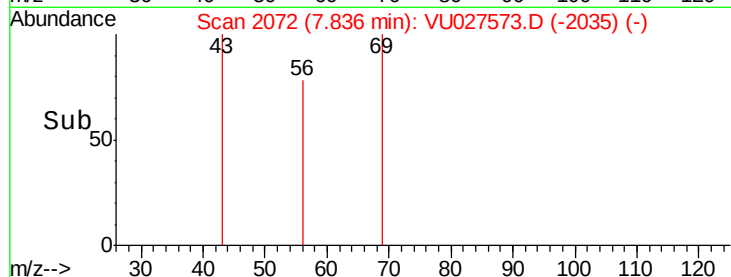
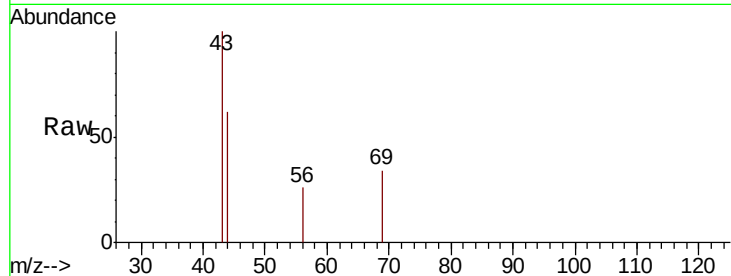




#56
Ethyl methacrylate
Concen: 2.310 ug/l
RT: 7.84 min Scan# 2072
Delta R.T. -0.18 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

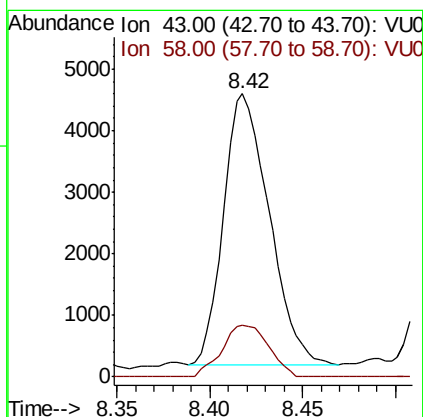
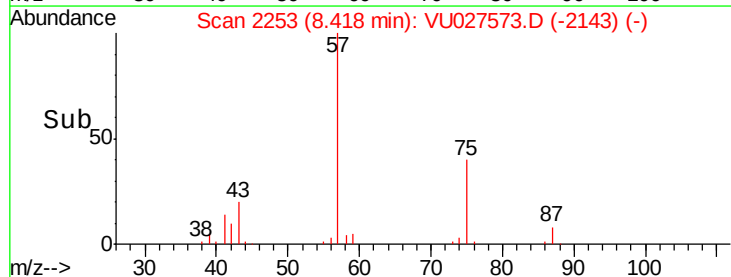
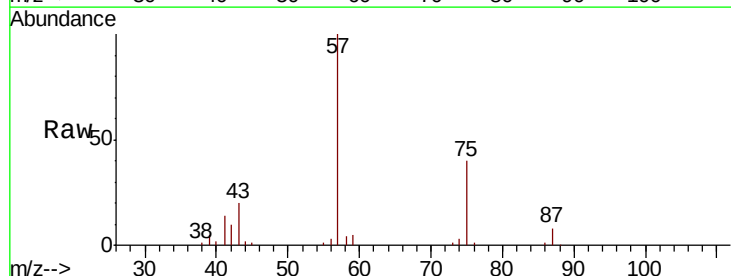
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-2

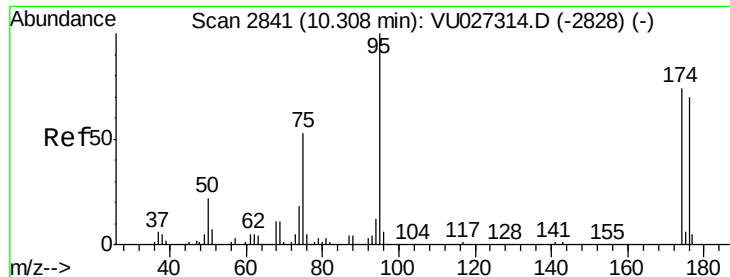
Tgt Ion: 69 Resp: 142
Ion Ratio Lower Upper
69 100
41 183.8 60.0 90.0#
39 59.2 29.5 44.3#



#59
2-Hexanone
Concen: 2.738 ug/l
RT: 8.42 min Scan# 2253
Delta R.T. 0.05 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

Tgt Ion: 43 Resp: 7542
Ion Ratio Lower Upper
43 100
58 19.4 26.1 78.3#

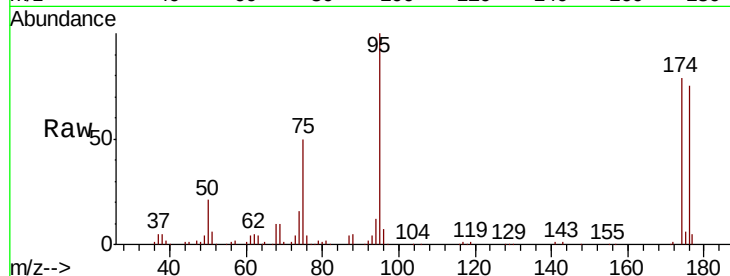




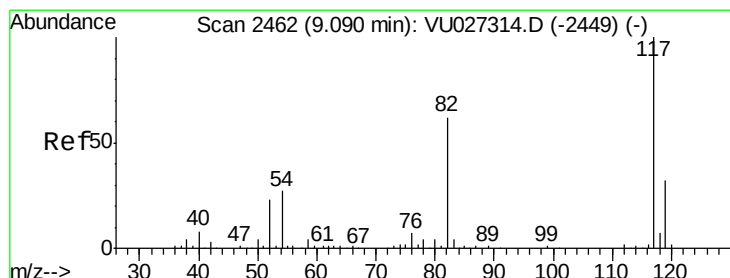
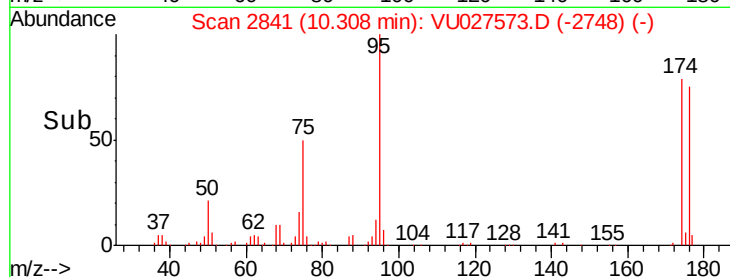
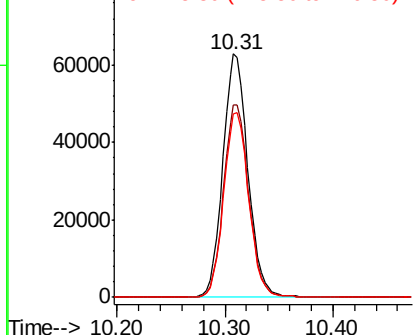
#62
4-Bromofluorobenzene
Concen: 42.436 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-2

Tgt Ion: 95 Resp: 101431
Ion Ratio Lower Upper
95 100
174 79.6 0.0 147.8
176 76.2 0.0 140.8

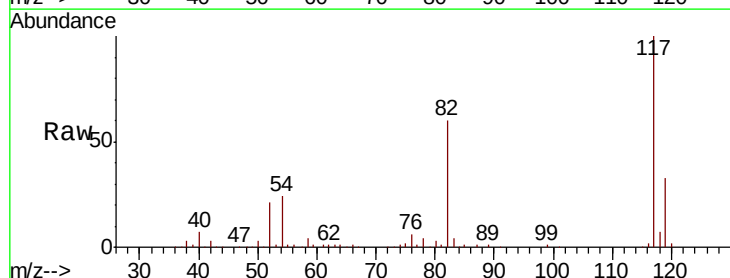


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): VU0
Ion 175.80 (175.50 to 176.50): VU0

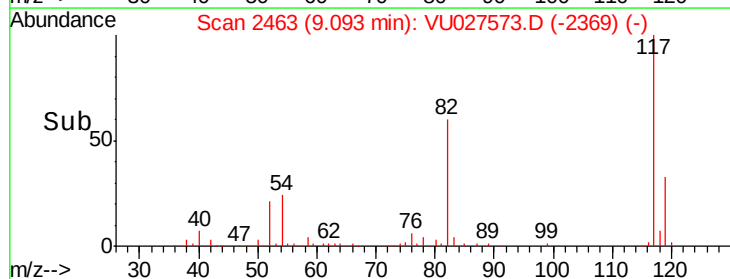
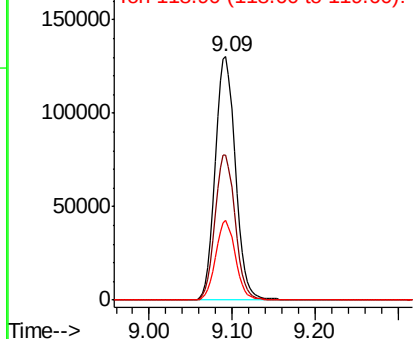


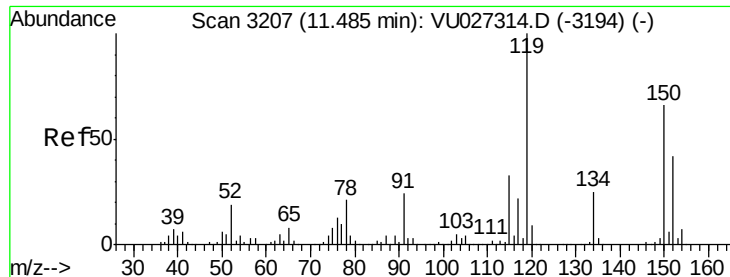
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

Tgt Ion: 117 Resp: 220236
Ion Ratio Lower Upper
117 100
82 59.8 49.2 73.8
119 32.6 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU0
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027573.D

Acq: 10 Oct 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

FL-PIT-2

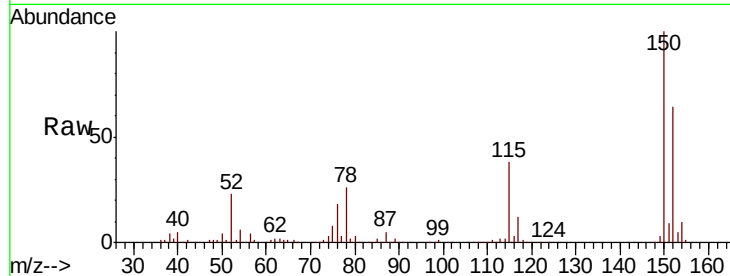
Tgt Ion: 152 Resp: 94526

Ion Ratio Lower Upper

152 100

115 58.6 43.4 130.2

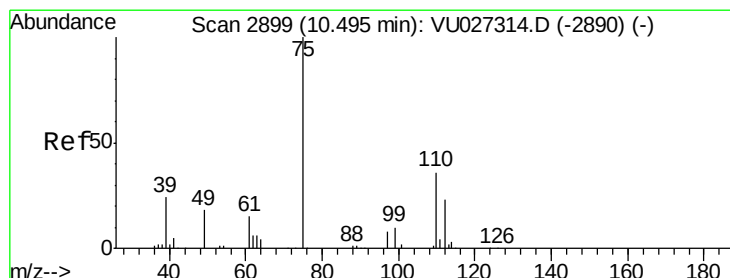
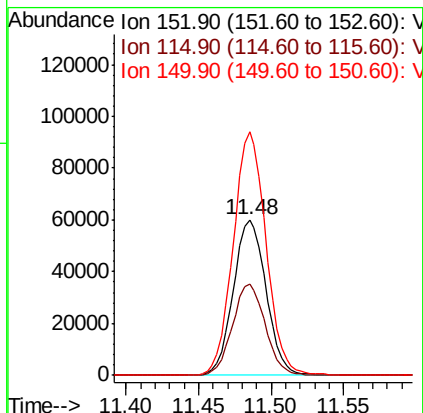
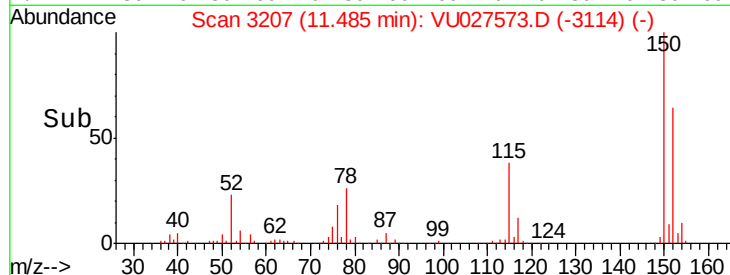
150 156.0 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 20.972 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027573.D

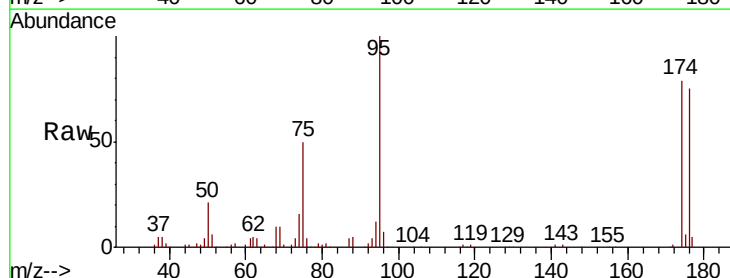
Acq: 10 Oct 2018 16:23

Tgt Ion: 75 Resp: 51388

Ion Ratio Lower Upper

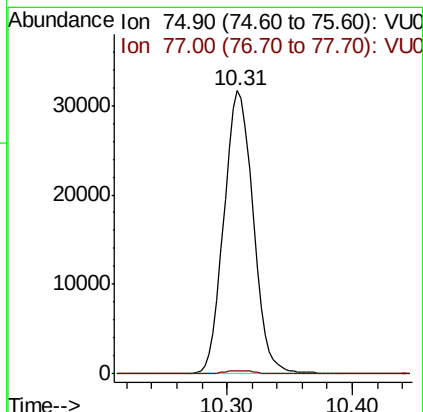
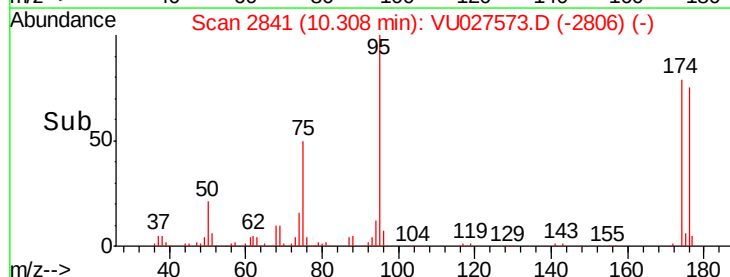
75 100

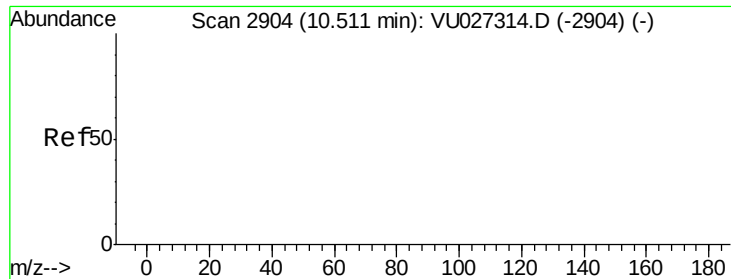
77 0.9 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

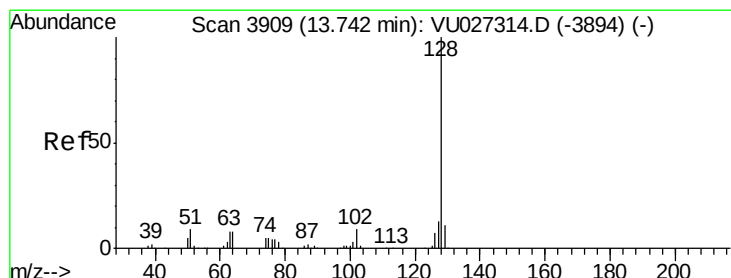
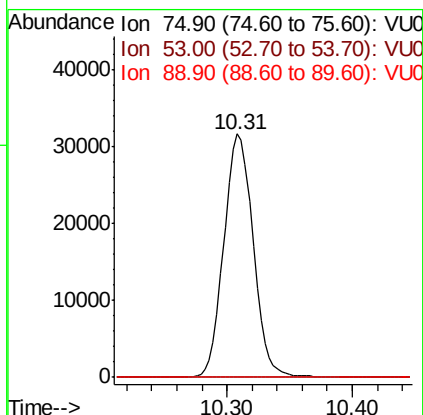
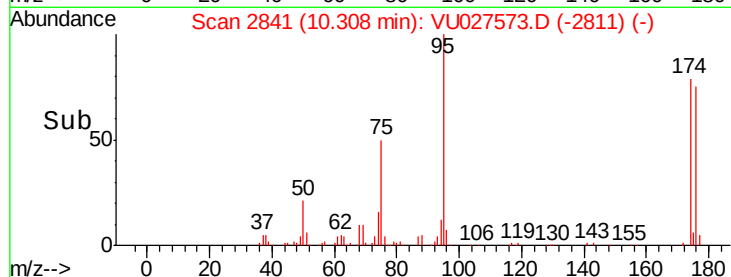
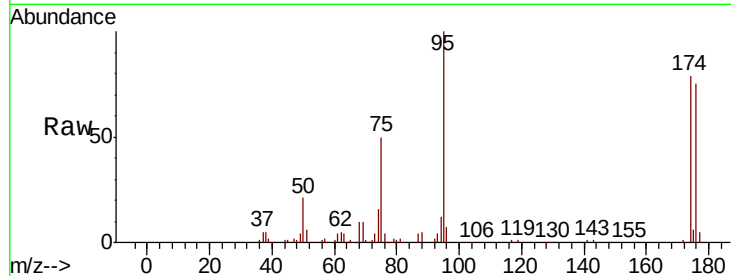




#81
trans-1,4-Dichloro-2-butene
Concen: 54.886 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-2

Tgt Ion: 75 Resp: 51388
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 5.468 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027573.D
Acq: 10 Oct 2018 16:23

Tgt Ion: 128 Resp: 28150
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.1 8.6 12.8

